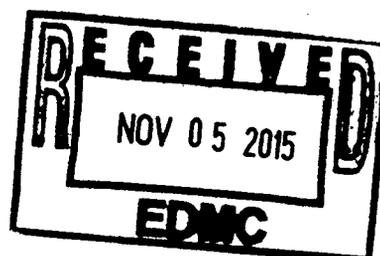


Office of River Protection Tri-Party Agreement Milestone Review Meeting Minutes

Federal Building
Richland, Washington

September 8, 2015



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SIGNATURES

Approval:


J.A. Hedges
Washington State Department of Ecology

Date:

11/4/15

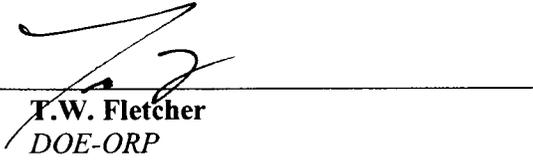
Approval:


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11/2/15

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10/26/15

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TRI-PARTY AGREEMENT MILESTONE REVIEW AND MONTHLY SUMMARY REPORT

1.0 ADMINSTRATIVE ITEMS/MILESTONE STATUS

The reports, agreements, issues, actions, and key documents list were discussed and updated as follows.

Upcoming Meetings

The next ORP quarterly milestone review meeting is scheduled for November 19, 2015 from 8:30 to 10:15 a.m. at the Washington State Department of Ecology (Ecology) office in Richland, Washington.

Recent Items Entered/To Be Entered into the Administrative Record

The U.S. Department of Energy (DOE), Office of River Protection (ORP) provided the monthly Tri-Party Agreement (TPA) and Consent Decree (CD) reports, which will be submitted to the Administrative Record.

Tri-Party Agreement Milestone Status

The Office of River Projection (ORP) noted that three milestones were completed under milestone status, and pointed out that the status of M-045-82 should be in dispute instead of to be missed.

Agreement No. 1

The Washington State Department of Ecology (Ecology) stated that ORP and Ecology do not need an agreement to follow the Tri-Party Agreement (TPA) process, and requested striking this agreement. The parties agreed to strike this agreement.

Action No. 1 (TF-14-06-02)

ORP noted that there are several updates identified in the action table regarding Waste Management Area (WMA)-C performance assessment (PA) modeling. ORP stated that information was provided in response to Ecology's question about the low end of the hydraulic conductivity curve, although the question may not have been answered adequately to Ecology's expectations. ORP noted that most of the focus during August 2015 was preparing for the Integrated Disposal Facility (IDF) PA scoping session that was held two weeks ago. ORP stated that this action remains open, including providing an explanation on the low end of the hydraulic conductivity curve.

Action No. 2 (TF-14-02-02)

Action No. 2 (TF-14-02-02) – ORP stated that in addition to providing a schedule/project management plan to Ecology for the closure of WMA-C, a commitment was made to provide Ecology a rough order of magnitude schedule for closure of C Farm by the end of December.

ORP noted that the closure of WMA-C falls under milestone M-045-83, which is being reported as to be missed. ORP stated that a contract modification is being processed for preparation of the schedule. Ecology asked if the closure plan will be provided by the end of September 2015 without a schedule. ORP responded that the tier 1 closure plan will be provided with no schedule.

Action No. 3 (TF-13-12-01)

ORP stated that Ecology provided a list of team members, and that this action would be kept open as a reminder to keep the list of team members up to date.

Action No. 4 (TF-13-02-03)

ORP stated that this action is associated with milestone M-045-82, which is in dispute at the project manager level until October 20, 2015. This action remains open.

Action No. 5 (TF-15-03-02)

ORP stated that this action could be closed based on the information that was provided to Ecology. This action was closed.

Action No. 6 (TF-15-03-05)

There were no updates provided today regarding Low-Activity Waste Pretreatment System (LAWPS). This action remains open.

Action No. 7 (TF-15-06-01)

There were no updates provided today regarding LAWPS. This action remains open.

Action No. 8 (TF-15-06-02)

ORP stated that a meeting still needs to be scheduled. This action remains open.

Key Documents List

An updated key documents list was provided today.

2.0 SYSTEM PLAN

ORP stated that there were no updates to provide today. Ecology had no questions for ORP on the system plan.

3.0 ACQUISITION OF NEW FACILITIES

There were no new updates to provide, and Ecology had no questions.

ORP stated that the retrieve and close single-shell tanks (SSTs) (5.02) had a negative cost variance, but noted that since today's meeting was delayed from last month, the financial data is almost three months behind. ORP noted that when retrieval is down, that doesn't mean that the crews aren't doing work. ORP stated that in June, work was down on C-105 related to temperature effect on the end effector with the hydraulic unit, and the crews were able to work through that. ORP stated that last week, retrieval was just under 41 percent for tank C-105, which is undergoing vacuum retrieval. ORP stated that there is a lot of work going on in AX Farm, including work on the night shift, and two exhausters were being installed in June. ORP noted that work is proceeding to install portable exhausters 126 and 127 on schedule.

ORP noted that a lot of the closure work under 5.03 has not been funded.

10.0 SINGLE-SHELL TANK CORRECTIVE ACTION

ORP stated that M-045-92, 92N and 92O are in dispute, and the dispute is being worked at the project manager level and has been extended to October 15, 2015. ORP noted that there has been some discussions with ORP and Ecology senior management. ORP stated that the milestones for the design of barrier 3 and 4 were missed and the construction of barriers 1 and 2 were delayed, primarily due to lack of funding. ORP noted that Ecology has expressed concern with the timely reporting of milestones that are going to be missed along with the decision to not fund the milestones, so the parties are still in dispute at the project manager level.

11.0 SINGLE-SHELL TANK RETRIEVAL AND CLOSURE PROGRAM

ORP stated that the status of M-045-82 should be in dispute, which was noted earlier today (see milestone status). ORP reported that the retrieval data report (RDR) for tank C-112 will be submitted to Ecology on schedule, but the RDR for C-107 is in question for timely submittal, and the C-101 RDR will not be submitted until the end of October 2015. ORP stated that the post retrieval samples needed for the RDR could not be obtaining in a timely manner due to vapor issues.

ORP noted that M-045-83 is to be missed, which is the closure of C Farm by 2019. ORP indicated that it is technically feasible to complete closure by late 2021, or early 2022, assuming continuous level funding is received. ORP added that it will be providing a closure schedule to Ecology by the end of December 2015 (see action No. 2).

12.0 TANK WASTE RETRIEVAL WORK PLAN STATUS

ORP stated that the TWRWP table is on track. ORP noted that there is a potential of doing a chemical dissolution as a third retrieval technology for tank C-105. ORP added that the third retrieval technology is in the preliminary stages of evaluation, and there will be discussions with Ecology.

13.0 TANK TRI-PARTY AGREEMENT APPENDIX H STATUS

ORP stated that there was no change in status for tank C-106.

14.0 TANK RETRIEVALS WITH INDIVIDUAL MILESTONES

ORP stated that there was no change in status to tanks A-103 or S-112.

CONSENT DECREE MONTHLY SUMMARY REPORT REVIEW

1.0 CONSENT DECREE MILESTONE STATISTICS/STATUS

The reports, agreements, issues, and actions were discussed and updated as follows.

Action No. 1 (WTP-14-10-01)

ORP stated that there have been some discussions with Ecology. This action remains open.

Action No. 2 (WTP-14-10-02)

ORP stated that this action is impacted by the CD judicial process and an update cannot be provided. The action remains on the table for tracking purposes until the action can be discussed. This action remains open.

Action No. 3 (WTP-14-10-03)

See status of action No. 2. Action remains open.

Action No. 4 (WTP-14-10-04)

See status of action No. 2. Action remains open.

Action No. 5 (WTP-14-10-05)

See status of action No. 2. Action remains open.

Action No. 6 (WTP-14-06-02)

ORP stated that any discussion about technical issues will be somewhat limited. ORP indicated that a briefing regarding the safety design strategy (SDS) could be scheduled, and that it will follow up on the SDS. This action remains open.

Action No. 7 (WTP-14-06-03)

ORP noted that a briefing on the design and operability (D&O) review did not occur before the September time frame. ORP stated that management received the D&O report, and it is currently in legal review and also undergoing a factual accuracy review. ORP stated that a briefing on the D&O review is dependent on whether legal will allow a briefing. This action remains open.

Action No. 8 (WTP-14-04-01)

This action remains open.

Action No. 9 (WTP-15-01-01)

ORP stated that a presentation on the standard high solids vessel design (SHSVD), including impacts and optimization in planning areas 2, 3 and 4, cannot be provided until the testing is

completed. ORP added that legal will have to determine if a presentation can be given. This action remains open.

Action No. 10 (WTP-15-01-03)

ORP stated that its position is that the technical update on the analytical laboratory (LAB) radioactive liquid waste disposal (RLD) vessels has been completed, and there were to be discussions with Ecology to determine what completion of this action entails. This action remains open.

Action No. 11 (WTP-15-06-01)

ORP will follow up on the status of the corrosion simulant basis document. This action remains open.

Action No. 12 (WTP-15-06-02)

ORP will follow up on scheduling a discussion about identifying the bounding conditions for the HEPA filters.

2.0 SINGLE-SHELL TANK RETRIEVAL AND CLOSURE

ORP stated that milestone D-00B-01 for the retrieval of C Farm is past due, and it is expected to be completed by the end of September 2016. ORP stated that C-105 retrieval was just under 41 percent early last week, and retrieval has started back up this week in C-105. ORP noted that in two to three weeks, C-105 retrieval will be laid up to change an end effector nozzle and possibly the sluicing nozzle, which have worn down. Retrieval will move over to C-111 in October 2015, and then move back over to C-105.

3.0 TANK WASTE RETRIEVAL WORK PLAN STATUS

The CD TWRWP table is identical to the table in the TPA monthly summary report.

4.0 SINGLE-SHELL TANK RETRIEVAL MONTHLY FISCAL YEAR EARNED VALUE MANAGEMENT SYSTEM DATA

See page 6 of CD Monthly Summary Report.

5.0 WASTE TREATMENT AND IMMOBILIZATION PLANT PROJECTS

ORP noted that the cumulative-to date schedule variance was a negative 13.2 million and the cumulative-to-date project cost variance was a positive 51.2 million. ORP noted the cumulative-to-date cost and schedule variance is based on the progress of Low Activity Waste Facility (LAW), Balance of Facilities (BOF) and LAB (LBL collectively) internal forecast, although progress has been made with the contract changes needed to make direct feed LAW (DFLAW) happen. ORP stated that in June 2015, negotiations with Bechtel were completed on contract line item number (CLIN) 2.1, which is the design for DFLAW. ORP is currently working on the pre-negotiation memorandum and other data for CLIN 1.0. ORP received the proposal from Bechtel in August for CLIN 2.2 and 2.3 for DFLAW, which is construction and procurement.

The proposal is in review by DOE, in support of the next round of negotiations to make DFLAW complete within the contract.

ORP noted that completion of the first isolations for the BOF systems, in support of DFLAW, are considered a major accomplishment. ORP added that significant progress has been made on the hazard analysis for the new Effluent Management Facility (EMF) that supports DFLAW. The hazard analysis leads to the Preliminary Documented Safety Analysis (PDSA) which is needed to start design and construction.

6.0 Pretreatment Facility

ORP noted the three past accomplishments listed in today's monthly summary report, and stated that progress is being made on the testing for the pulse jet mixers (PJM) and mixing concepts. Ecology referred to the T7 hold points that were released, and noted that when hold points are released on engineering portions, if those releases cause changes in engineering design, permit changes will be required.

7.0 High-Level Waste Facility

ORP stated that efforts continue in working towards obtaining full production authorization for Bechtel for the High Level Waste (HLW) Facility. Limited civil construction is continuing with concrete placements, installation of support steel, and crane rails in the canister decontamination cave. ORP reported that work continues on the design for the HEPA filters, and progress is being made at Mississippi State University (MSU) in preparation for filter testing. ORP added that the main goal is to design and test a filter that will work for all of the facilities. ORP noted that under significant past accomplishments, a correction should be made to the sixth bullet that the HEPA filter testing is at Mississippi State University, not Michigan State.

8.0 Low-Activity Waste Facility

ORP referred to the nuclear safety engineering hazards analysis of the C3V and C2V ventilation systems, and noted that there is a C5, but not a C1 or a C4. ORP stated that the hazards analysis for these ventilation systems is evaluating not just nuclear and radiological hazards, but also chemical and other industrial hazards.

Oregon Department of Energy (ODOE) noted ORP's reference about the goal of designing a HEPA filter that will work for all of the facilities (see HLW), and stated that the indication has been there would be specificity in terms of having multiple designs, depending on the needs of a specific facility. ODOE stated that the goal now to have one filter that fits every facility would require a filter that is so robust it would be more expensive than necessary in some situations. ODOE asked about the decision process to design one HEPA filter. ORP responded that the best case scenario would be one filter to accommodate the different systems at the different facilities. ORP added that if the testing doesn't work out for one filter media, there may have to be different media for the different facilities. ORP stated that one of the reasons the performance of the filters is being looked at is due to discussions about natural disaster hazards and the evaluation of volcanic ash. ORP stated that the potential of volcanic ash impacts resulted in the consideration of a single filter that is strong enough to handle that type of situation, and it wasn't specifically consider in the original testing. ORP noted that different filters will be required for HLW.

9.0 Balance of Facilities

ORP noted that the monthly summary for BOF is short, which reflects how much progress has been made. As of June 2015, BOF was 53 percent complete overall. ORP also noted that LAB is twice as far along with startup and commissioning than the other facilities.

10.0 Analytical Laboratory

ORP noted that the monthly summary for the LAB Facility is also short due to the progress that has been made. ORP stated that the LAB Facility construction is basically complete for receiving waste from the LAW Facility. The hot cells won't be installed until its closer to when the waste will be received from the HLW Facility in order to have the most up-to-date and qualified equipment. ORP stated that engineering efforts are focused on LAB system reviews to evaluate potential modifications or isolations in support of DFLAW, and those efforts will consider how the LAB will receive waste only from the LAW facility during its initial startup. ORP stated that planned actions in the next six months include placing the LAB construction punch list activities on hold to allow for other activities to catch up, initiating component level testing of select LAB systems, and beginning LAB system walk-downs in support of DFLAW modification.

DISTRIBUTION AND ATTENDEES:

| | | |
|-------------------|---------------|-------|
| W. Abdul | ORP | H6-60 |
| R. E. Beach | ORP | H6-60 |
| S. M. Braswell | Northwind/ORP | H6-60 |
| J. M Bruggeman | ORP | H6-60 |
| K. W. Burnett | ORP | H6-60 |
| C. J. Carter | ORP | H6-60 |
| B. L. Charboneau | ORP | H6-60 |
| B. M. Crock | ORP | H6-60 |
| J. A. Diediker | ORP | H6-60 |
| J. A. Dowell | ORP | H6-60 |
| K. A. Ebert | ORP | H6-60 |
| R. L. Evans* | ORP | H6-60 |
| J. F. Grindstaff* | ORP | H6-60 |
| C. C. Harrington | ORP | H6-60 |
| P. R. Hernandez* | OPR | H6-60 |
| D. R. Hildebrand | RL | A5-11 |
| F. B. Hidden | ORP | H6-60 |
| B. J. Harp | ORP | H6-60 |
| K. L. Higgins | ORP | H6-60 |
| L. A. Huffman | ORP | H6-60 |
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| K. Kidder | USACE/ORP | H6-60 |
| D. P. Knight | ORP | H6-60 |
| J. J. Lynch | ORP | H6-60 |
| D. M. MacDonald* | ORP | H6-60 |
| B. M. Mauss | ORP | H6-60 |
| E. M. Mattlin | ORP | H6-60 |
| D. L. Noyes | ORP | H6-60 |
| S. H. Pfaff | ORP | H6-60 |
| G. B. Olsen | ORP | H6-60 |
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| G. D. Trenchard* | ORP | H6-60 |
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| R. J. Valle | ORP | H6-60 |
| K. G. Wade | ORP | H6-60 |
| I. Wheeler | ORP | H6-60 |
| W. R. Wrzesinski | ORP | H6-60 |
| J. D. Young | ORP | H6-60 |
| D. A. Faulk* | EPA | A3-46 |

| | | |
|-----------------|---------|-------|
| J. Alzheimer* | Ecology | H0-57 |
| M. Barnes | Ecology | H0-57 |
| R. K. Biyani | Ecology | H0-57 |
| C. Carlson | Ecology | H0-57 |
| N. Chandron | Ecology | H0-57 |
| T. Z. Gao | Ecology | H0-57 |
| J. Hedges* | Ecology | H0-57 |
| M. Jones | Ecology | H0-57 |
| A. Kapell* | Ecology | H0-57 |
| S. Lowe* | Ecology | H0-57 |
| J. J. Lyon* | Ecology | H0-57 |
| J. D. McDonald | Ecology | H0-57 |
| J. Price* | Ecology | H0-57 |
| B. Rockette* | Ecology | H0-57 |
| M. Skorska* | Ecology | H0-57 |
| A. Tortoso | Ecology | H0-57 |
| C. Whalen* | Ecology | H0-57 |
| M. Walmsley* | Ecology | H0-57 |
| | | |
| T. Beam | WRPS | H0-55 |
| H. M. Bowers | WRPS | H0-55 |
| J. W. Donnelly | WRPS | H0-55 |
| J. A. Joyner* | WRPS | H0-55 |
| J. J. Luke | WRPS | H0-55 |
| R. S. Wiegman* | WRPS | H0-56 |
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| D. H. Butler | MSA | A3-01 |
| J. M. Colborn* | MSA | A3-01 |
| J. L. Copeland* | MSA | A3-10 |
| C. P. Noonan | MSA | A3-01 |
| R. E. Piippo* | MSA | A3-01 |
| M. J. Turner* | MSA | A3-01 |
| J. G. Woolard* | MSA | A3-01 |
| | | |
| S. Cimon* | ODOE | |

ADMINISTRATIVE RECORD – Heather Childers: H6-08

*Attendees

Tri-Party Agreement Quarterly Milestone Review

| <u>Name</u> | <u>Organization</u> |
|--------------------------|-----------------------|
| <u>Bryan Trimberger</u> | <u>ORP-ECO</u> |
| <u>Dennis Faulk</u> | <u>EPA</u> |
| <u>JANE HEDGES</u> | <u>Ecology</u> |
| <u>Stacey Simpson</u> | <u>ODOE</u> |
| <u>GILYN TRENCHARD</u> | <u>ORP TF</u> |
| <u>Kathy Knox</u> | <u>court reporter</u> |
| <u>ROB PIPPO</u> | <u>MSA TF</u> |
| <u>Dawn MacDonald</u> | <u>ORP -TF</u> |
| <u>John Price</u> | <u>Ecology</u> |
| <u>Michael Turner</u> | <u>MSA</u> |
| <u>Jennifer Copeland</u> | <u>MSA</u> |
| <u>Jennifer Colborn</u> | <u>MSA</u> |
| <u>Jessica Joyner</u> | <u>WRPS</u> |
| <u>Becky Wiegman</u> | <u>WRPS</u> |
| <u>Mign Walmsley</u> | <u>Ecology</u> |
| <u>Beth Rochette</u> | <u>Ecology</u> |
| <u>Jim Alzheimer</u> | <u>Ecology</u> |
| <u>Artie Kypel</u> | <u>Ecology</u> |
| <u>Rana Evans</u> | <u>ORP-ECO</u> |
| <u>Stu Lowe</u> | <u>Ecology</u> |
| <u>JOAN WOOLARD</u> | <u>MSA</u> |
| <u>Jeff Lyon</u> | <u>Ecology</u> |

Chris Kent

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ECOLOGY

Cheng I Whalen

Ecology

FINAL

Office of River Protection
Consent Decree 08-5085-FVS

Monthly Summary Report

August 2015

Office of River Protection

Consent Decree 08-5085-FVS
Monthly Summary ReportAugust 2015 (Monthly Summary Report/Project Earned Value Management System
reflects June 2015 information)

| Page | Topic | Leads |
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| 3 | CD Milestone Statistics/Status | Bryan Trimberger/Dan McDonald/Jeff Lyon |
| 4 | Single-Shell Tank Retrieval Program • D-00B-01, D-00B-02, D-00B-03, D-00B-04 | Chris Kemp/Jeff Lyon |
| 5 | Tank Waste Retrieval Work Plan Status • Consent Decree Appendix C | Chris Kemp/Jeff Lyon |
| 8 | Waste Treatment and Immobilization Plant Project • D-00A-06, D-00A-17, D-00A-01 | DeImar Noyes/Dan McDonald |
| 10 | Pretreatment Facility • D-00A-18, D-00A-19, D-00A-13, D-00A-14, D-00A-15, D-00A-16 | Wahed Abdul/Dan McDonald |
| 13 | High-Level Waste Facility • D-00A-20, D-00A-21, D-00A-02, D-00A-03 | Wahed Abdul/Dan McDonald |
| 16 | Low-Activity Waste Facility • D-00A-07, D-00A-08, D-00A-09 | Jeff Bruggeman/Dan McDonald |
| 18 | Balance of Facilities • D-00A-12 | Jason Young/Dan McDonald |
| 20 | Analytical Laboratory • D-00A-005 | |
| 22 | Waste Treatment Plant Project Percent Complete Status (Table) | |

CD Milestone Statistics/Status

| Milestone | Title | Due Date | Completion Date | Status |
|-------------------------|--|------------|-----------------|-----------|
| Fiscal Year 2014 | | | | |
| D-00B-01 | Complete Retrieval of Tank Waste from 10 SSTs in WMA-C | 09/30/2014 | | Past Due |
| D-00B-02 | Advise Ecology of the Nine SSTs Waste will be Retrieved by 2022 | 09/30/2014 | 08/24/2011 | Completed |
| Fiscal Year 2015 | | | | |
| D-00A-07 | LAW Facility Construction Substantially Complete | 12/31/2014 | | Past Due |
| D-00A-19 | Complete elevation 98 feet Concrete Floor Slab Placements in PT Facility | 12/31/2014 | | Past Due |

Ecology = Washington State Department of Ecology.

LAW = low-activity waste.

PT = pretreatment.

SST = single-shell tank.

WMA-C = C Farm waste management area.

Consent Decree Reports/Reviews

D-00C-01 series, Submit to State of Washington and State of Oregon Semi-Annual Report, Due: Semiannually – January 31 and July 31 of each year, Status: Ongoing. The July 2015 Semiannual Report was issued on July 31, 2015, via U.S. Department of Energy (DOE), Office of River Protection (ORP) letter 15-ECD-0037, “July 2015 Semi-Annual Report for State of Washington vs. U.S. Department of Energy, Case No. 08-5085-FVS, for Waste Treatment and Immobilization Plant Construction and Startup Activities and Tank Retrieval Activities – November 1, 2014, thorough April 30, 2015.”

D-00C-02 series, Submit to State of Washington and State of Oregon Monthly Summary Reports, Due: End of each month, Status: Ongoing.

D-006-00-A, Meet Approximately Every Three Years after Entry of Decree to review requirements of the Consent Decree, Held: December 10, 2013, Status: Completed.

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, Sent: November 8, 2013, Status: Completed.

Single-Shell Tank Retrieval Program

| Milestone | Title | Due Date | Status |
|-----------------------------|--|---|-----------|
| D-00B-01 | Complete Retrieval of Tank Wastes from 10 Remaining SSTs in WMA-C | September 30, 2014 | Past Due |
| D-00B-01A through D-00B-01J | Submit Tank Retrieval Complete Certification | One year following each retrieved tank retrieval completion report ^a | Ongoing |
| D-00B-02 | Advise Ecology of the Nine SSTs from which Waste Will Be Retrieved by 2022 | September 30, 2014 | Completed |
| D-00B-03 | Initiate Startup of Retrieval in At Least 5 of 9 SSTs in D-00B-02 | December 31, 2017 | Ongoing* |
| D-00B-04 | Complete Retrieval of Tank Wastes from the nine SSTs in D-00B-02 | September 30, 2022 | Ongoing* |
| D-00B-04A through D-00B-04I | Submit Tank Retrieval Complete Certification | TBD | TBD |

- a. Pursuant to Section IV-B-5 of the Consent Decree, the U.S. Department of Energy (DOE) must submit to the Washington State Department of Ecology (Ecology) a written certification that DOE has completed retrieval of a tank in accordance with the requirements of Appendix C, Part 1, of the Consent Decree.
 Completed for Single-Shell Tank (SST) C-104 on March 21, 2013, via DOE Office of River Protection (ORP) letter 13-TF-0018. Completed for SST C-108 on May 1, 2013, via ORP letter 13-TF-0025. Completed for SST C-109 on June 4, 2013, via ORP letter 13-TF-0037. Completed for SST C-110 on January 29, 2014, via ORP letter 14-TF-0007. Completed for SST C-107 on September 30, 2014, via ORP letter 14-TF-0114. Completed for SST C-112 on September 30, 2014, via ORP letter 14-TF-0115.

TBD = to be determined.
 WMA-C = C Farm waste management area.

Significant Past Accomplishments:

- Completed video for volume analysis of waste remaining in C-102, with the supporting calculations being completed by engineering.
- Continued operation of C-105 Mobile Arm Retrieval System – Vacuum (MARS V) retrieval system using high-pressure water, volume retrieved is approximately 20 percent.
- Temperature concerns for the primary transfer hose (induced by the hydraulic hoses) has delayed installation activities for C-111 extended reach sluicer system (ERSS) sluicers. Engineering calculations are being conducted, for these temperature issues prior to installation of the sluicers.

Significant Planned Activities in the Next Six Months:

- Finish a C-105 systems engineering evaluation of the current retrieval method; will potentially need a revised tank waste retrieval work plan
- Continue retrieval of C-105 using Mobile Arm Retrieval System – Vacuum(MARS-V)
- Begin startup of hard heel retrieval in C-111 using high-pressure water, with caustic/water dissolution available.

Issues:

*DOE has notified the State of Washington and State of Oregon that a serious risk has arisen that DOE may be unable to meet this Consent Decree milestone.

Tank Waste Retrieval Work Plan Status

| Tank | TWRWP | Expected Revisions | First Retrieval Technology | Second Technology | Third Technology |
|-------------|-------------------|---------------------------|-----------------------------------|---|--|
| C-101 | RPP-22520, Rev. 8 | Complete | Modified Sluicing with ERSS | High-Pressure Water deployed with the ERSS | - |
| C-102 | RPP-22393, Rev. 7 | Complete | Modified Sluicing with ERSS | High-Pressure Water deployed with the ERSS | - |
| C-104 | RPP-22393, Rev. 7 | Complete | Modified Sluicing | Chemical Retrieval Process complete per 13-TF-0018 | - |
| C-105 | RPP-22520, Rev. 8 | Complete | MARS-V | MARS-V-High Pressure Water Spray | - |
| C-107 | RPP-22393, Rev. 7 | Complete | MARS-S | MARS-S-High Pressure Water Spray | Water Dissolution |
| C-108 | RPP-22393, Rev. 7 | Complete | Modified Sluicing | Chemical Retrieval Process complete per 13-TF-0025 | - |
| C-109 | RPP-21895, Rev. 5 | Complete | Modified Sluicing | Chemical Retrieval Process complete per 13-TF-0037 | - |
| C-110 | RPP-33116, Rev. 3 | Complete | Modified Sluicing | Mechanical Waste Conditioning with an In-Tank Vehicle | High Pressure Water |
| C-111 | RPP-37739, Rev. 2 | Complete | Modified Sluicing | High pressure water using the ERSS | Chemical Dissolution Process with ERSS |
| C-112 | RPP-22393, Rev. 7 | Complete | Modified Sluicing | Chemical Retrieval Process | - |

ERSS = extended reach sluicing system.
MARS = Mobile Arm Retrieval System.
S = sluicing.

TWRWP = Tank Waste Retrieval Work Plan.
V = vacuum.

Significant Accomplishments:

None.

Significant Planned Activities in the Next Six Months:

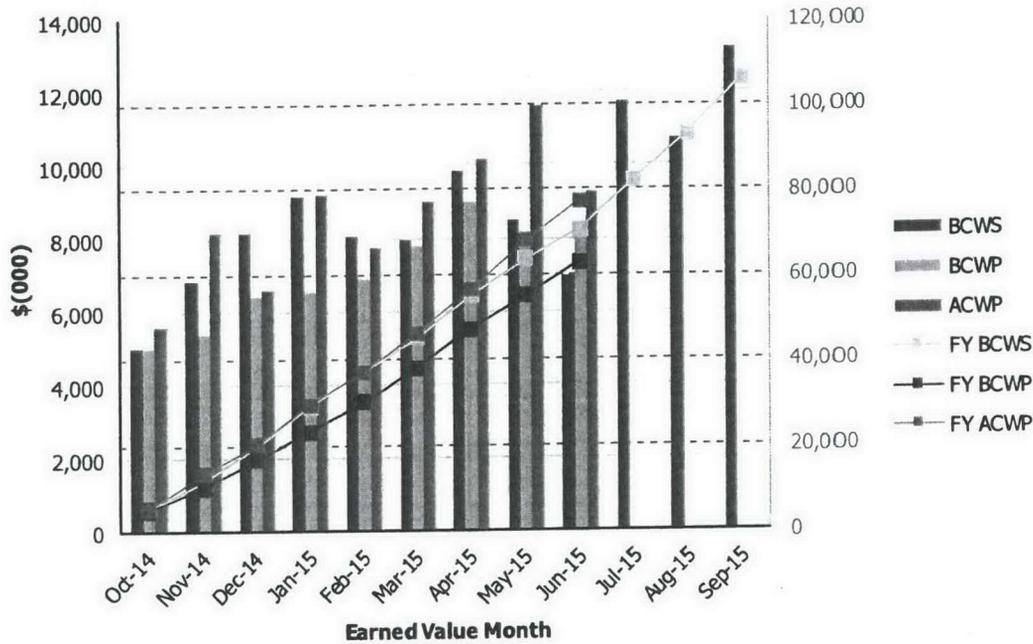
- Develop AX Farm tank waste retrieval work plans.

Issues:

None.

**Tank Farms ORP-0014
Retrieve and Close SST's 5.02**

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 2014 | \$5,024 | \$5,011 | \$5,609 | 1.00 | 0.89 | \$5,024 | \$5,011 | \$5,609 | 1.00 | 0.89 |
| Nov 2014 | \$6,852 | \$5,392 | \$8,174 | 0.79 | 0.66 | \$11,876 | \$10,403 | \$13,783 | 0.88 | 0.75 |
| Dec 2014 | \$8,171 | \$6,453 | \$6,612 | 0.79 | 0.98 | \$20,047 | \$16,856 | \$20,395 | 0.84 | 0.83 |
| Jan 2015 | \$9,167 | \$6,524 | \$9,195 | 0.71 | 0.71 | \$29,215 | \$23,380 | \$29,589 | 0.80 | 0.79 |
| Feb 2015 | \$8,075 | \$6,924 | \$7,719 | 0.86 | 0.90 | \$37,290 | \$30,304 | \$37,309 | 0.81 | 0.81 |
| Mar 2015 | \$7,971 | \$7,801 | \$9,009 | 0.98 | 0.87 | \$45,261 | \$38,105 | \$46,318 | 0.84 | 0.82 |
| Apr 2015 | \$9,818 | \$9,019 | \$10,148 | 0.92 | 0.89 | \$55,079 | \$47,124 | \$56,466 | 0.86 | 0.83 |
| May 2015 | \$8,475 | \$7,830 | \$11,613 | 0.92 | 0.67 | \$63,554 | \$54,954 | \$68,079 | 0.86 | 0.81 |
| Jun 2015 | \$6,981 | \$8,021 | \$9,247 | 1.15 | 0.87 | \$70,535 | \$62,975 | \$77,326 | 0.89 | 0.81 |
| Jul 2015 | \$11,715 | | | | | \$82,250 | | | | |
| Aug 2015 | \$10,714 | | | | | \$92,964 | | | | |
| Sep 2015 | \$13,179 | | | | | \$106,143 | | | | |
| CTD | \$576,033 | \$558,393 | \$586,669 | 0.97 | 0.95 | | | | | |

EVMS = Earned Value Management System
 BCWP = Budgeted cost of work performed
 SP = Schedule Performance Index

BCWS = Budgeted cost of work scheduled.
 ACWP = Actual cost of work performed
 CPI = Cost Performance Index

Retrieve and Close Single-Shell Tanks

The current month unfavorable cost variance (CV) of (\$1,226K) is due to:

- Limited amount of waste retrieved was retrieved from Tank 241-C-105 during June due to work a stoppage related to a potential hose cage temperature issue (AN-06 Red Arrow). The project team was required to carry the full retrieval crew during this work stoppage.
- Increased/Additional subcontractor utilization related to field activities for the exhaustor installation, tower/stack extension and platform installation located within A/AX Farm due to self-contained breathing apparatus (SCBA) requirements.

The current month favorable schedule variance (SV) of \$1,041K is due to:

- Schedule acceleration for the removal of 10 hose-in-hose transfer lines (HIHTL) from C Farm.
- Retrieval operation continued at Tank 241-C-105. An estimated 19Kgallons of waste has been retrieved since the last reporting period.

Waste Treatment and Immobilization Plant Project

| Number | Title | Due Date | Status |
|----------|--|------------|----------|
| D-00A-06 | Complete Methods Validations | 12/31/2017 | Ongoing* |
| D-00A-17 | Hot Start of Waste Treatment Plant | 12/31/2019 | Ongoing* |
| D-00A-01 | Achieve Initial Plant Operations for WTP | 12/31/2022 | Ongoing* |

WTP = Waste Treatment and Immobilization Plant.

The Waste Treatment and Immobilization Plant (WTP) Project currently employs approximately 2,843 full-time equivalent contractor (Bechtel National, Inc. [BNI]) and subcontractor personnel. This includes 606 craft, 401 non-manual, and 144 subcontractor full-time equivalent personnel working at the WTP construction site (all facilities).

In October 2012, the percent-complete values for Pretreatment (PT) and High-Level Waste (HLW) facilities were frozen at the September 2012 rate. Construction, procurement, and production engineering activities were placed on hold for PT and significantly slowed down for HLW. In August 2014, DOE approved continuation of production engineering activities for HLW. Subsequently, DOE has approved the fiscal year (FY) 2015 and FY 2016 2-Year Interim Work Plan. In April 2015, a 3-year Interim Work Plan for the PT Facility was implemented emphasizing prioritization of technical issue resolution activities. The WTP Project is focused on resolving PT Facility technical issues and finalizing HLW Facility design.

The WTP Project continues to focus on completion of the Low-Activity Waste (LAW) Facility, Analytical Laboratory (LAB), and Balance of Facilities (BOF) (collectively LBL). As of June 2015, LBL facilities were 47 percent complete, design and engineering was 75 percent complete, procurement was 75 percent complete, construction was 73 percent complete, and startup and commissioning was 6 percent complete.

In June 2015, the cumulative to-date WTP Project schedule variance was a negative \$13.2 million, and the cumulative to-date WTP Project cost variance was a positive \$51.2 million. The cumulative to-date cost and schedule variance is based on the progress of the LBL internal forecast.

The following is the project status through the end of June 2015.

Significant Past Accomplishments:

- Completed the first isolations of BOF systems in support of direct-feed low-activity waste (DFLAW) (BOF)
- Initiated the hazard analysis process for the Effluent Management Facility (BOF)
- Installed over 190 linear feet of process piping and hydro-tested 730 linear feet of piping on the LAW Concentrate Receipt Process System (LCP) and the LAW Primary Offgas Process System (LOP)
- Completed one concrete wall placement (Wall 4103) (HLW)
- Installed 34 tons of structural steel (HLW).

Significant Planned Actions in the Next Six Months:

- Complete the LAW Facility design and operability review (LAW)
- Receive caustic scrubber (LAW)
- Complete Effluent Management Facility hazard analysis (BOF)
- Perform multi-discipline review of Effluent Management Facility design (BOF)
- Turnover all major systems of the Nonradioactive Liquid Waste Disposal Facility, WTP switchgear, and BOF switchgear buildings for component level testing (BOF)
- DOE approval of the radioactive liquid waste disposal (RLD) safety basis change package (HLW)
- Complete vendor documentation reviews in preparation for the installation of auto sampling system (ASX) framing (HLW)
- Complete modification at Full-Scale Vessel Testing Facility to continue testing for the pulse-jet mixer (PJM) control system (PT)
- Finalize standard high solids vessels design vessel testing planning, test specification/plan, and define simulate and supplemental mixing engineering study (PT)
- Begin LAB system walk downs in support of direct feed LAW modifications (LAB).

Issues:

*DOE has notified the State of Washington and State of Oregon that a serious risk has arisen that DOE may be unable to meet this Consent Decree milestone. Technical issues related to WTP include, among others, PJMs, corrosion/erosion in piping and vessels, hydrogen accumulation, criticality, and ventilation.

Pretreatment Facility

| Number | Title | Due Date | Status |
|----------|---|------------|----------|
| D-00A-19 | Complete Elevation 98' Concrete Floor Slab in PT Facility | 12/31/2014 | Past Due |
| D-00A-13 | Complete Installation of Pretreatment Feed Separation Vessels | 12/31/2015 | Ongoing* |
| D-00A-14 | PT Facility Construction Substantially Complete | 12/31/2017 | Ongoing* |
| D-00A-15 | Start PT Facility Cold Commissioning | 12/31/2018 | Ongoing* |
| D-00A-16 | PT Facility Hot Commissioning Complete | 12/31/2019 | Ongoing* |

PT = pretreatment.

The PT Facility will separate radioactive tank waste into HLW and LAW fractions, and transfer each waste type to the respective vitrification facility for immobilization. As of September 2012, the PT Facility was 56 percent complete overall, with engineering design 85 percent complete, procurement 56 percent complete, construction 43 percent complete, and startup and commissioning 3 percent complete. Construction, procurement, and production engineering activities remain on hold, resulting in no change to the percent-complete status since September 2012. BNI and DOE continue to focus on resolving technical issues, performing hazard analyses, and completing safety evaluations for process systems in accordance with the revised PT Facility 3-year work plan.

BNI has submitted resolution plans for eight technical issues: T1, Hydrogen in Vessels; T2, Criticality; T3, Hydrogen in Piping and Ancillary Vessels (HPAV); T4, Mixing; T5, Erosion Corrosion; T6, PT Facility Optimization; T7, Vessel Analysis; and T8, Ventilation. Phase 1 of the Full-Scale Vessel Testing is continuing for the PJM controls utilizing the RLD-8T vessel. Technical review teams continue to evaluate open PT Facility technical issues. An evaluation is ongoing relative to a standardized design for high-solids vessels within the PT Facility.

Significant Past Accomplishments:

- Released T7 hold points for PJM dimensions vessel skirt/anchorage and lifting/tailling lugs
- Completed Nuclear Safety Engineering(NSE) hydrogen consequence calculation
- Received and reviewed corrosion simulant basis document to support localized corrosion testing.

Significant Planned Actions in the Next Six Months:

- Complete technical work plan for hydrogen gas release T1
- Conduct H2 control gap analysis for T1
- Receive criticality report for final review for T2
- Receive technical issue closure work package
- Complete T4 technical work plan
- Review conceptual design flow sheet study for changes in baseline design.

Issues:

*DOE has notified the State of Washington and State of Oregon that a serious risk has arisen that DOE may be unable to meet this Consent Decree milestone. Technical issues related to WTP include, among others, PJMs, corrosion/erosion in piping and vessels, hydrogen accumulation, criticality, and ventilation.

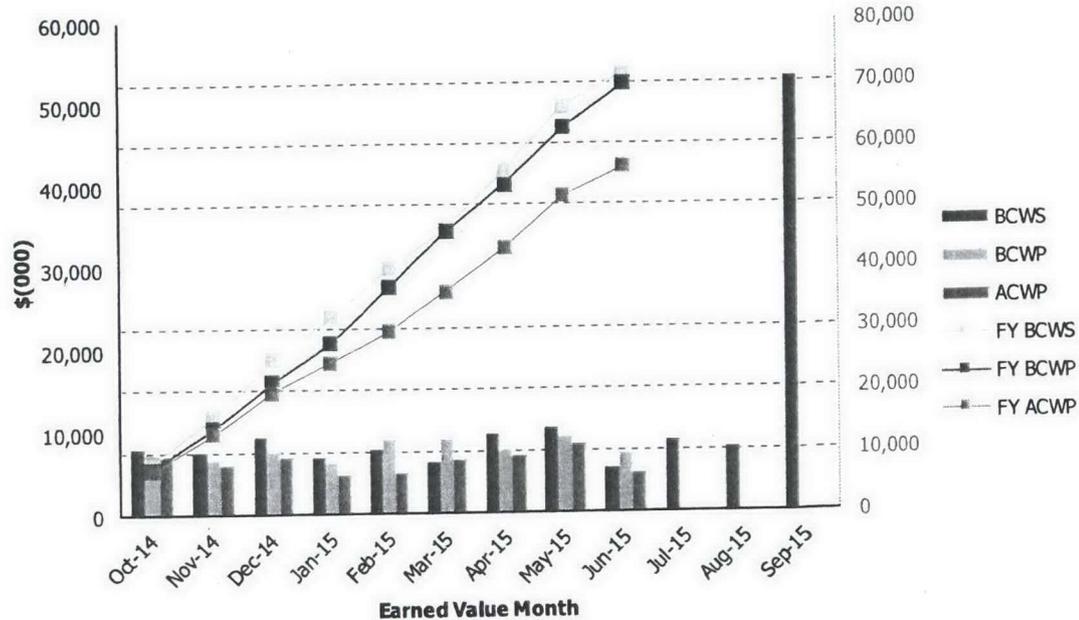
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2015 Earned Value Data

Data as of: June 2015

**River Protection Project
Pretreatment Facility (WBS 1.01)**

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 2014 | \$8,100 | \$7,285 | \$7,050 | 0.90 | 1.03 | \$8,100 | \$7,285 | \$7,050 | 0.90 | 1.03 |
| Nov 2014 | \$7,582 | \$6,657 | \$5,917 | 0.88 | 1.13 | \$15,682 | \$13,942 | \$12,967 | 0.89 | 1.08 |
| Dec 2014 | \$9,361 | \$7,472 | \$6,841 | 0.80 | 1.09 | \$25,043 | \$21,414 | \$19,808 | 0.86 | 1.08 |
| Jan 2015 | \$6,819 | \$6,293 | \$4,765 | 0.92 | 1.32 | \$31,862 | \$27,707 | \$24,574 | 0.87 | 1.13 |
| Feb 2015 | \$7,877 | \$9,034 | \$4,869 | 1.15 | 1.86 | \$39,740 | \$36,742 | \$29,442 | 0.92 | 1.25 |
| Mar 2015 | \$6,180 | \$8,917 | \$6,567 | 1.44 | 1.36 | \$45,920 | \$45,659 | \$36,009 | 0.99 | 1.27 |
| Apr 2015 | \$9,661 | \$7,631 | \$7,008 | 0.79 | 1.09 | \$55,581 | \$53,290 | \$43,017 | 0.96 | 1.24 |
| May 2015 | \$10,243 | \$9,161 | \$8,322 | 0.89 | 1.10 | \$65,823 | \$62,451 | \$51,340 | 0.95 | 1.22 |
| Jun 2015 | \$5,406 | \$7,122 | \$4,769 | 1.32 | 1.49 | \$71,229 | \$69,573 | \$56,109 | 0.98 | 1.24 |
| Jul 2015 | \$8,740 | | | | | | | | | |
| Aug 2015 | \$7,846 | | | | | | | | | |
| Sep 2015 | \$53,060 | | | | | | | | | |

PTD \$1,677,901 \$1,676,191 \$1,662,735 1.00 1.01

EVMS = Earned Value Management System
 BCWP = Budgeted cost of work performed
 SP = Schedule Performance Index

BCWS = Budgeted cost of work scheduled.
 ACWP = Actual cost of work performed
 CPI = Cost Performance Index

High-Level Waste Facility

| Number | Title | Due Date | Status |
|----------|--|------------|----------|
| D-00A-21 | Complete Construction of Structural Steel to 37' in HLW Facility | 12/31/2012 | Complete |
| D-00A-02 | HLW Facility Construction Substantially Complete | 12/31/2016 | Ongoing* |
| D-00A-03 | Start HLW Facility Cold Commissioning | 6/30/2018 | Ongoing* |
| D-00A-04 | HLW Facility Hot Commissioning Complete | 12/31/2019 | Ongoing* |

HLW = high-level waste.

The HLW Facility will receive the separated HLW concentrate from the PT Facility. This concentrate will be blended with glass formers, converted into molten glass in one of the two HLW melters, and then poured into cylindrical stainless steel canisters. After cooling, the canisters will be sealed and decontaminated before shipping to interim storage.

As of September 2012, the HLW Facility was 62 percent complete overall, with engineering design 89 percent complete, procurement 81 percent complete, construction 43 percent complete, and startup and commissioning 4 percent complete. Construction, procurement, and production engineering activities have been significantly slowed down, resulting in minimal change to the percent completion status since September 2012.

Currently, all activities are being performed in accordance with the FY 2015/FY 2016 2-year work plan. Focus for HLW is to support obtaining full production authorization by DOE. Limited construction is continuing with the concrete placements, installation of support steel, and crane rails in the canister decontamination cave.

To support construction, engineering continues to execute detailed evaluations to release wall and slab placements and installation of heating, ventilation, and air-conditioning (HVAC); fire protection; process piping; and electrical commodities. Engineering also continues to review vendor documentation to support receipt and future installation of auto-sampler system (ASX) units. Preparation is underway for the first preliminary design review, being accomplished on the plant cooling water system.

System design descriptions (SDD) are being developed in accordance with the implementation of the Systems Engineering Management Plan. Other than the construction support, design activities are focused to support safety design strategy gap analysis, technical core team recommendations, and studies to resolve design and operability review. Studies are being performed to determine the ventilation system capability, waste handling capability, etc. Hazard and accident analyses have been initiated, after the BNI nuclear safety analysis processes have been modified and accepted by DOE, to support the Preliminary Documented Safety Analysis update to align design and the safety basis.

Test strategy and test plan are being updated for the ventilation and off-gas system high-efficiency particulate air (HEPA) filter testing and qualification. Multiple filter media designs will be tested to ensure that the qualified filters support the needs for HLW and LBL facilities.

Design is progressing for RLD vessels 7 and 8. Preliminary Documented Safety Analysis (PDSA) change packages for these vessel designs have been submitted to DOE for approval and comment resolution has commenced.

Significant Past Accomplishments:

- Issued four system design descriptions this month for a total of 18
- BNI submitted the HEPA filter testing strategy and test plan documents for DOE review
- Initiated material procurements to support upcoming HEPA filter testing
- Completed DOE review of RLD Safety Basis Change Package, progressing comment resolution
- Completed commercial grade dedication vendor survey for the emergency turbine generator procurement
- Continuing vendor documentation reviews in preparation for the delivery and future installation of ASX framing
- Initiated HLW Canister Decontamination Handling System Operability Review Study
- Completed one concrete wall placement (Wall 4103)
- Installed 34 tons of structural steel.

Significant Planned Actions in the Next Six Months:

- DOE approval of the RLD Safety Basis Change Package
- Complete vendor documentation reviews in preparation for the delivery and installation of ASX framing
- Complete installation of crane rails and supports in the canister decontamination cave
- Issue remaining system design descriptions
- Issue personnel access door and HVAC system evaluation report
- Finalize the HEPA filter test plan and begin testing at the Michigan State University facility
- Initiate the preliminary design review of the plant cooling water system.

Issues:

*DOE has notified the State of Washington and State of Oregon that a serious risk has arisen that DOE may be unable to meet this Consent Decree milestone. Technical issues related to the WTP include, among others, PJMs, corrosion/erosion in piping and vessels, hydrogen accumulation, criticality, and ventilation.

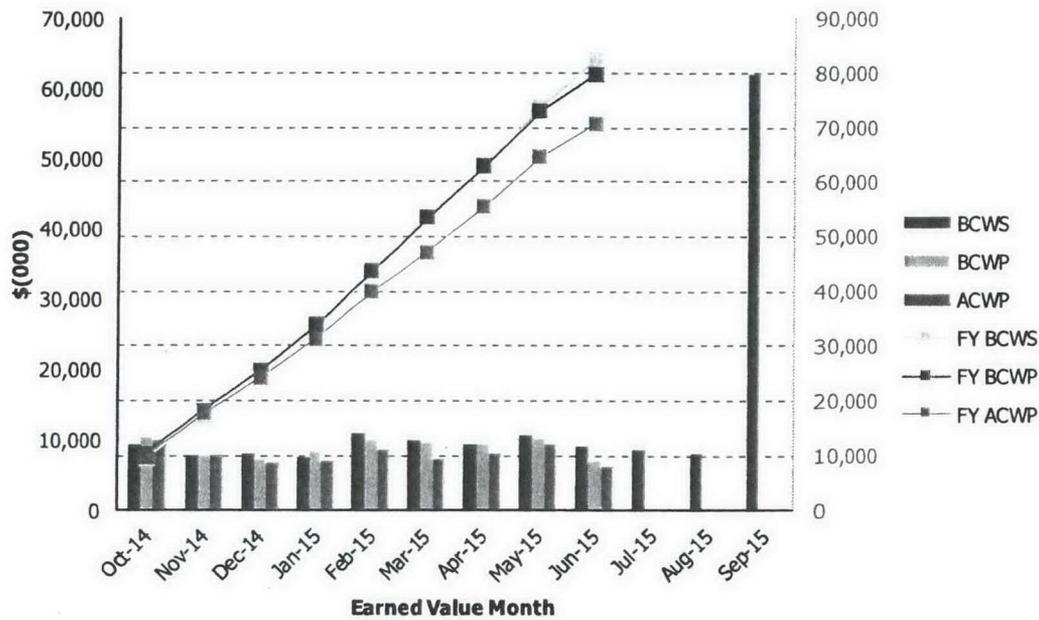
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2015 Earned Value Data

Data as of: June 2015

**River Protection Project
High-Level Waste Facility (WBS 1.03)**

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 2014 | \$9,449 | \$10,367 | \$9,783 | 1.10 | 1.06 | \$9,449 | \$10,367 | \$9,783 | 1.10 | 1.06 |
| Nov 2014 | \$7,743 | \$7,833 | \$7,880 | 1.01 | 0.99 | \$17,192 | \$18,200 | \$17,663 | 1.06 | 1.03 |
| Dec 2014 | \$7,973 | \$7,359 | \$6,631 | 0.92 | 1.11 | \$25,165 | \$25,559 | \$24,294 | 1.02 | 1.05 |
| Jan 2015 | \$7,490 | \$8,342 | \$6,994 | 1.11 | 1.19 | \$32,655 | \$33,901 | \$31,288 | 1.04 | 1.08 |
| Feb 2015 | \$10,995 | \$9,796 | \$8,662 | 0.89 | 1.13 | \$43,650 | \$43,698 | \$39,949 | 1.00 | 1.09 |
| Mar 2015 | \$9,792 | \$9,760 | \$7,295 | 1.00 | 1.34 | \$53,442 | \$53,458 | \$47,244 | 1.00 | 1.13 |
| Apr 2015 | \$9,391 | \$9,411 | \$8,115 | 1.00 | 1.16 | \$62,834 | \$62,868 | \$55,359 | 1.00 | 1.14 |
| May 2015 | \$10,774 | \$10,029 | \$9,242 | 0.93 | 1.09 | \$73,608 | \$72,897 | \$64,601 | 0.99 | 1.13 |
| Jun 2015 | \$9,004 | \$6,949 | \$6,124 | 0.77 | 1.13 | \$82,611 | \$79,846 | \$70,725 | 0.97 | 1.13 |
| Jul 2015 | \$8,529 | | | | | | | | | |
| Aug 2015 | \$7,976 | | | | | | | | | |
| Sep 2015 | \$62,166 | | | | | | | | | |

PTD \$1,136,724 \$1,134,217 \$1,124,786 1.00 1.01

EVMS = Earned Value Management System
 BCWP = Budgeted cost of work performed
 SP = Schedule Performance Index

BCWS = Budgeted cost of work scheduled.
 ACWP = Actual cost of work performed
 CPI = Cost Performance Index

Low-Activity Waste Facility

| Number | Title | Due Date | Status |
|----------|--|------------|----------|
| D-00A-07 | LAW Facility Construction Substantially Complete | 12/31/2014 | Past Due |
| D-00A-08 | Start LAW Facility Cold Commissioning | 12/31/2018 | Ongoing* |
| D-00A-09 | LAW Facility Hot Commissioning Complete | 12/31/2019 | Ongoing* |

LAW = low-activity waste.

The LAW Facility will process LAW that will be mixed with glass formers, vitrified into glass at a design capacity of 30 metric tons per day and placed in stainless steel containers anticipated to be disposed of on the Hanford Site in the Integrated Disposal Facility. As of June 2015, the LAW Facility was 51 percent complete overall, with engineering design 79 percent complete, procurement 74 percent complete, construction 75 percent complete, and startup and commissioning 4 percent complete.

Significant Past Accomplishments:

- Installed over 190 linear feet of process piping and hydro-tested 730 linear feet of piping on the LAW Concentrate Receipt Process System (LCP) and the LAW Primary Offgas Process System (LOP)
- Installed over 1,040 linear feet of conduit and pulled approximately 18,500 linear feet of cable
- Continued installation of insulation on process piping on the plus 3-foot elevation
- Continued installation of HVAC transfer ducts, test ports, instrument taps, grilles, registers, diffusers, and closure angle.

Significant Planned Actions in the Next Six Months:

- Complete subcontractor work scope in the annex
- Complete Nuclear Safety Engineering Hazards Analysis of C3V/C2V
- Receive caustic scrubber
- Assemble and install wet electrostatic precipitator internals.

Issues:

*DOE has notified the State of Washington and State of Oregon that a serious risk has arisen that DOE may be unable to meet this Consent Decree milestone.

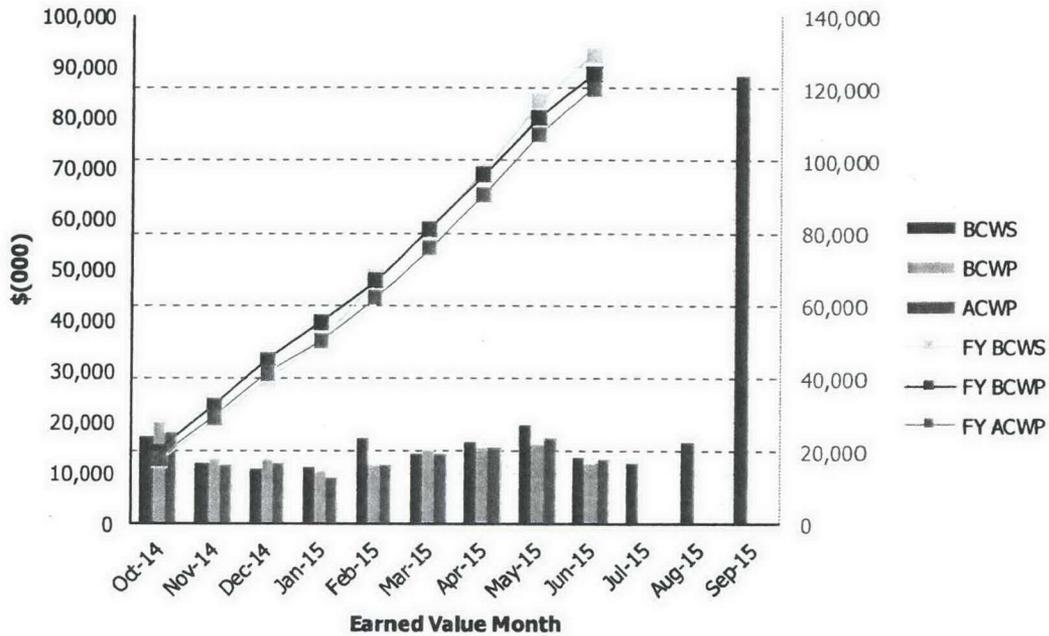
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2015 Earned Value Data

Data as of: June 2015

**River Protection Project
Low-Activity Waste Facility (WBS 1.02)**

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 2014 | \$16,994 | \$19,896 | \$17,781 | 1.17 | 1.12 | \$16,994 | \$19,896 | \$17,781 | 1.17 | 1.12 |
| Nov 2014 | \$11,700 | \$12,666 | \$11,597 | 1.08 | 1.09 | \$28,694 | \$32,562 | \$29,378 | 1.13 | 1.11 |
| Dec 2014 | \$10,760 | \$12,499 | \$11,927 | 1.16 | 1.05 | \$39,454 | \$45,061 | \$41,305 | 1.14 | 1.09 |
| Jan 2015 | \$11,248 | \$10,387 | \$9,033 | 0.92 | 1.15 | \$50,702 | \$55,448 | \$50,338 | 1.09 | 1.10 |
| Feb 2015 | \$16,654 | \$11,341 | \$11,676 | 0.68 | 0.97 | \$67,356 | \$66,789 | \$62,014 | 0.99 | 1.08 |
| Mar 2015 | \$13,681 | \$14,539 | \$13,778 | 1.06 | 1.06 | \$81,037 | \$81,329 | \$75,792 | 1.00 | 1.07 |
| Apr 2015 | \$16,031 | \$14,925 | \$15,002 | 0.93 | 0.99 | \$97,068 | \$96,254 | \$90,794 | 0.99 | 1.06 |
| May 2015 | \$19,533 | \$15,802 | \$16,674 | 0.81 | 0.95 | \$116,601 | \$112,056 | \$107,468 | 0.96 | 1.04 |
| Jun 2015 | \$12,899 | \$11,881 | \$12,626 | 0.92 | 0.94 | \$129,500 | \$123,936 | \$120,094 | 0.96 | 1.03 |
| Jul 2015 | \$12,063 | | | | | | | | | |
| Aug 2015 | \$16,094 | | | | | | | | | |
| Sep 2015 | \$88,137 | | | | | | | | | |
| PTD | \$1,103,694 | \$1,100,937 | \$1,098,262 | 1.00 | 1.00 | | | | | |

EVMS = Earned Value Management System
 BCWP = Budgeted cost of work performed
 SP = Schedule Performance Index

BCWS = Budgeted cost of work scheduled.
 ACWP = Actual cost of work performed
 CPI = Cost Performance Index

Balance of Facilities

| Number | Title | Due Date | Status |
|----------|-----------------------------------|------------|----------|
| D-00A-12 | Steam Plant Construction Complete | 12/31/2012 | Complete |

The BOF will provide services and utilities to support operation of the main production facilities: PT, HLW, LAW, and LAB. As of June 2015, BOF was 53 percent complete overall, with engineering design 81 percent complete, procurement 71 percent complete, construction 81 percent complete, and startup and commissioning 13 percent complete.

Engineering activities are in progress to develop the preliminary design for BOF systems in support of DFLAW. Current efforts are focused on progressing the design of the Effluent Management Facility, defining the required BOF system isolations, preparing procurements, and initiating the hazard analysis process. Construction efforts are focused on initiation of BOF system isolations and completion of the remaining punch list items required to support turnover of all major systems within the Nonradioactive Liquid Waste Disposal Facility, WTP Switchgear, and BOF switchgear buildings for component level testing.

Significant Past Accomplishments:

- Completed the first isolations of BOF systems in support of DFLAW
- Initiated the hazard analysis process for the Effluent Management Facility
- Completed the roof leak test on the switchgear building (87)
- Pulled 11,750 linear feet of cable in the Glass Former Storage Facility (21).

Significant Planned Actions in the Next Six Months:

- Complete Effluent Management Facility hazard analysis
- Perform multi-discipline review of Effluent Management Facility design
- Turnover all major systems of the Nonradioactive Liquid Waste Disposal Facility, WTP switchgear, and BOF switchgear buildings for component level testing.

Issues:

No major issues at this time.

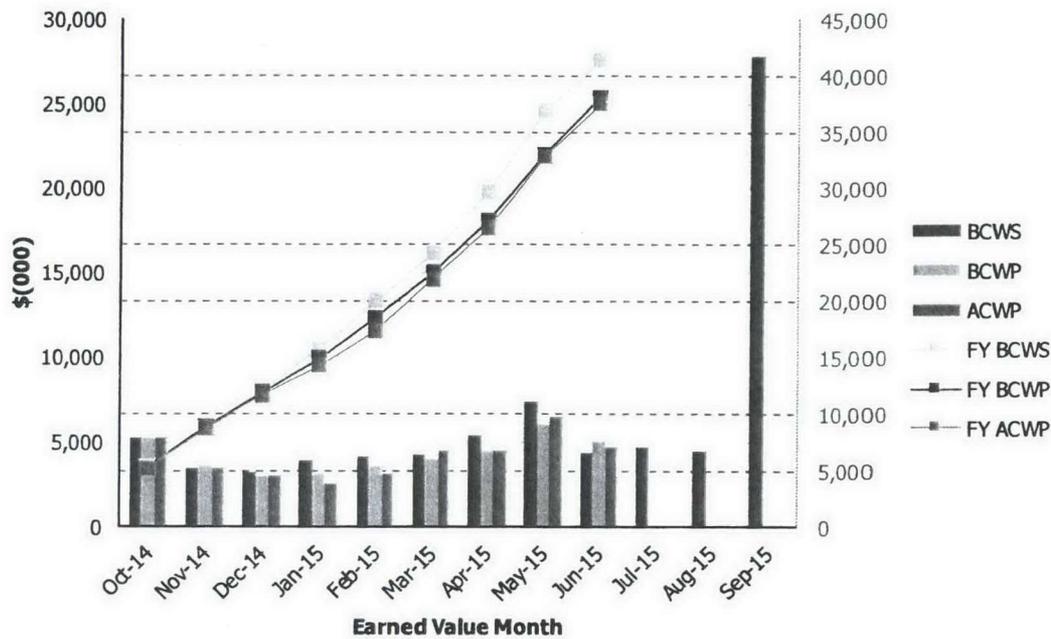
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2015 Earned Value Data

Data as of: June 2015

**River Protection Project
Balance of Facilities (WBS 1.05)**

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 2014 | \$5,300 | \$5,238 | \$5,223 | 0.99 | 1.00 | \$5,300 | \$5,238 | \$5,223 | 0.99 | 1.00 |
| Nov 2014 | \$3,429 | \$3,578 | \$3,454 | 1.04 | 1.04 | \$8,729 | \$8,816 | \$8,677 | 1.01 | 1.02 |
| Dec 2014 | \$3,240 | \$3,023 | \$2,976 | 0.93 | 1.02 | \$11,969 | \$11,839 | \$11,653 | 0.99 | 1.02 |
| Jan 2015 | \$3,885 | \$3,098 | \$2,584 | 0.80 | 1.20 | \$15,854 | \$14,937 | \$14,237 | 0.94 | 1.05 |
| Feb 2015 | \$4,074 | \$3,578 | \$3,151 | 0.88 | 1.14 | \$19,928 | \$18,515 | \$17,388 | 0.93 | 1.06 |
| Mar 2015 | \$4,270 | \$4,016 | \$4,491 | 0.94 | 0.89 | \$24,198 | \$22,531 | \$21,879 | 0.93 | 1.03 |
| Apr 2015 | \$5,384 | \$4,497 | \$4,491 | 0.84 | 1.00 | \$29,582 | \$27,029 | \$26,370 | 0.91 | 1.02 |
| May 2015 | \$7,347 | \$6,027 | \$6,470 | 0.82 | 0.93 | \$36,930 | \$33,056 | \$32,841 | 0.90 | 1.01 |
| Jun 2015 | \$4,403 | \$4,990 | \$4,649 | 1.13 | 1.07 | \$41,333 | \$38,046 | \$37,489 | 0.92 | 1.01 |
| Jul 2015 | \$4,695 | | | | | | | | | |
| Aug 2015 | \$4,429 | | | | | | | | | |
| Sep 2015 | \$27,795 | | | | | | | | | |
| PTD | \$388,000 | \$385,145 | \$384,619 | 0.99 | 1.00 | | | | | |

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 BCWP = Budgeted cost of work performed
 SP = Schedule Performance Index

BCWS = Budgeted cost of work scheduled.
 ACWP = Actual cost of work performed
 CPI = Cost Performance Index

Analytical Laboratory

| Number | Title | Due Date | Status |
|----------|---|------------|----------|
| D-00A-05 | LAB Construction Substantially Complete | 12/31/2012 | Complete |

LAB = Analytical Laboratory.

The LAB will support WTP operations by analyzing feed, vitrified waste, and effluent streams. As of June 2015, the LAB was 58 percent complete overall, with engineering design 84 percent complete, procurement 84 percent complete, construction 95 percent complete, and startup and commissioning 9 percent complete.

During this reporting period engineering efforts are focused on LAB system reviews to evaluate potential modifications or isolations in support of direct feed of LAW. Closure of nonconformance reports and construction deficiency reports continued. Construction efforts within the LAB are minimal. The remaining construction work scope will be completed in parallel with system modifications and construction activities required to support the direct feed of LAW.

Significant Past Accomplishments:

- Completed installation of LAB hangers
- Pulled 2,630 linear feet of cable
- Received and installed C5 flow element end supports.

Significant Planned Actions in the Next Six Months:

- Place LAB construction punch list activities on hold
- Initiate component level testing of select LAB systems
- Begin LAB system walk downs in support of DFLAW modifications.

Issues:

No major issues at this time.

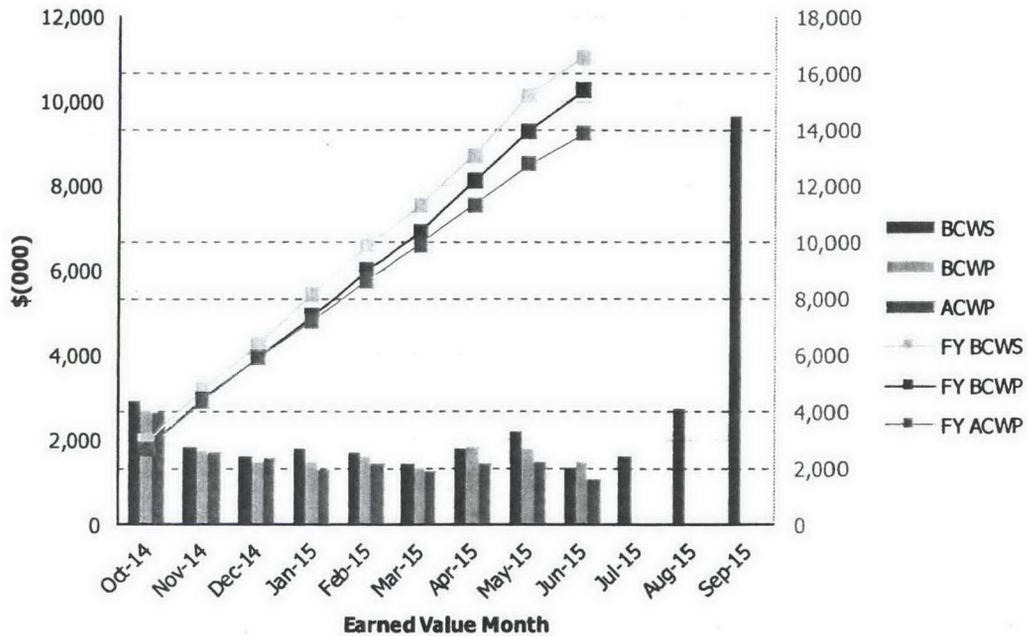
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2015 Earned Value Data

Data as of: June 2015

**River Protection Project
Analytical Laboratory (WBS 1.06)**

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 2014 | \$2,920 | \$2,670 | \$2,645 | 0.91 | 1.01 | \$2,920 | \$2,670 | \$2,645 | 0.91 | 1.01 |
| Nov 2014 | \$1,827 | \$1,748 | \$1,695 | 0.96 | 1.03 | \$4,747 | \$4,418 | \$4,340 | 0.93 | 1.02 |
| Dec 2014 | \$1,614 | \$1,482 | \$1,552 | 0.92 | 0.95 | \$6,361 | \$5,900 | \$5,892 | 0.93 | 1.00 |
| Jan 2015 | \$1,788 | \$1,490 | \$1,304 | 0.83 | 1.14 | \$8,149 | \$7,390 | \$7,196 | 0.91 | 1.03 |
| Feb 2015 | \$1,716 | \$1,618 | \$1,447 | 0.94 | 1.12 | \$9,865 | \$9,008 | \$8,643 | 0.91 | 1.04 |
| Mar 2015 | \$1,413 | \$1,322 | \$1,266 | 0.94 | 1.04 | \$11,278 | \$10,330 | \$9,909 | 0.92 | 1.04 |
| Apr 2015 | \$1,781 | \$1,833 | \$1,407 | 1.03 | 1.30 | \$13,059 | \$12,163 | \$11,316 | 0.93 | 1.07 |
| May 2015 | \$2,186 | \$1,773 | \$1,459 | 0.81 | 1.21 | \$15,245 | \$13,936 | \$12,775 | 0.91 | 1.09 |
| Jun 2015 | \$1,338 | \$1,453 | \$1,077 | 1.09 | 1.35 | \$16,584 | \$15,390 | \$13,852 | 0.93 | 1.11 |
| Jul 2015 | \$1,608 | | | | | | | | | |
| Aug 2015 | \$2,735 | | | | | | | | | |
| Sep 2015 | \$9,635 | | | | | | | | | |
| PTD | \$299,098 | \$298,320 | \$296,979 | 1.00 | 1.00 | | | | | |

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BCWS = Budgeted cost of work scheduled.
 ACWP = Actual cost of work performed
 CPI = Cost Performance Index

Waste Treatment Plant Project Percent Complete Status (Table)

Waste Treatment Plant Project - (LBL/Project Services) Percent Complete Status Through June 2015

| (Dollars - Millions) | Overall Facility Percent Complete Unallocated Dollars | | | Design/Engineering Unallocated Dollars | | | Procurement Unallocated Dollars | | | Construction Unallocated Dollars | | | Startup & Plant Operations Unallocated Dollars | | | Project Management & Shared Services 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 | Performance Measurement Baseline (PMB) | Budgeted Cost of Work Performed (BCWP) | % Complete |
| Facilities | | | | | | | | | | | | | | | | | | |
| Low-Activity Waste | 2,167.8 | 1,100.9 | 51% | 450.5 | 355.3 | 79% | 336.8 | 249.8 | 74% | 625.2 | 467.7 | 75% | 677.6 | 24.1 | 4% | 77.7 | 4.0 | 5% |
| Balance of Facilities | 730.1 | 385.1 | 53% | 125.8 | 101.6 | 81% | 75.4 | 53.6 | 71% | 243.4 | 196.0 | 81% | 261.5 | 33.4 | 13% | 24.1 | 0.5 | 2% |
| Analytical Lab | 512.0 | 298.3 | 58% | 91.3 | 76.4 | 84% | 65.6 | 55.4 | 84% | 155.7 | 148.4 | 95% | 190.8 | 17.6 | 9% | 8.6 | 0.5 | 5% |
| Direct Feed LAW | 65.3 | 7.9 | 12% | 53.9 | 6.6 | 12% | 0.53 | 0.14 | 26% | 1.2 | 0.1 | 6% | 0.0 | 0.0 | 0% | 9.7 | 1.07 | 11% |
| LBL Facility Services | 427.2 | 35.8 | 8% | 0.0 | 0.0 | 0% | 1.4 | 0.0 | 0% | 122.5 | 20.5 | 17% | 187.1 | 8.9 | 5% | 116.2 | 6.47 | 6% |
| Total LBL | 3,902.4 | 1,828.1 | 47% | 721.5 | 539.9 | 75% | 479.8 | 358.9 | 75% | 1,148.0 | 832.7 | 73% | 1,316.9 | 84.0 | 6% | 236.2 | 12.5 | 5% |
| Project Services | 155.7 | 163.9 | 105% | 48.5 | 20.3 | 42% | 35.7 | 14.4 | 40% | 73.0 | 49.5 | 68% | 2.9 | 1.6 | 56% | 78.2 | -1786% | |
| Total Project Services | 155.7 | 163.9 | 105% | 48.5 | 20.3 | 42% | 35.7 | 14.4 | 40% | 73.0 | 49.5 | 68% | 2.9 | 1.6 | 56% | 78.2 | -1786% | |
| Total LBL & Project Services | 4,058.1 | 1,992.0 | 49% | 770.0 | 560.2 | 73% | 515.5 | 373.3 | 72% | 1,221.0 | 882.1 | 72% | 1,319.8 | 85.7 | 6% | 231.9 | 90.7 | 39% |
| PT/HLW/SS Percent Complete Status Frozen as of September 2012 (due to project rebaselining efforts) | | | | | | | | | | | | | | | | | | |
| High-Level Waste | 1,478.6 | 922.1 | 62% | 364.4 | 325.2 | 89% | 433.9 | 349.4 | 81% | 561.1 | 243.2 | 43% | 119.2 | 4.4 | 4% | n/a | n/a | n/a |
| Pretreatment | 2,517.3 | 1,410.5 | 56% | 761.7 | 645.8 | 85% | 679.9 | 380.4 | 56% | 890.0 | 378.6 | 43% | 185.8 | 5.6 | 3% | n/a | n/a | n/a |
| Shared Services | 4,726.9 | 3,632.6 | 77% | 1,047.0 | 977.9 | 93% | 451.7 | 395.0 | 87% | 1,436.5 | 1,143.0 | 80% | 453.5 | 133.2 | 29% | 1,338.1 | 983.5 | 73% |
| Total HLW/PT/SS | 8,722.8 | 5,965.2 | 68% | 2,173.1 | 1,948.9 | 90% | 1,565.5 | 1,124.8 | 72% | 2,887.6 | 1,764.8 | 61% | 758.5 | 143.2 | 19% | 1,338.1 | 983.5 | 73% |
| Undistributed Budget | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| Total WTP | 12,780.9 | 7,957.2 | 62% | 2,943.1 | 2,509.1 | 85% | 2,081.0 | 1,498.1 | 72% | 4,108.6 | 2,646.9 | 64% | 2,078.3 | 228.9 | 11% | 1,570.0 | 1,074.2 | 68% |

Source: Preliminary WTP Contract Performance Report - Format 1, Data for June 2015

Note: In September 2012, the LBL Replan was incorporated into the project OTB baseline resulting in increases/decreases to the LBL facility budgets, which correspondingly increased/decreased the facility/function to-date percent complete values. In October 2012, the PT/HLW/SS Interim Work Plan was incorporated into the project OTB baseline resulting in decreases to the PT/HLW/SS facility budgets, this was due to a work scope shift from the Distributed budget to UB. Percent Complete Values shown for PT, HLW and SS have been frozen with the September 2012 values due to the Interim Work Plan and budgets being moved into UB. UB value for the project for PT/HLW/SS is \$2,014M. The percent complete values for the Total WTP are the current total LBL BCWP added to the frozen HLW/PT/SS BCWP values. In March 2014, Project Controls and Project Management work scope was moved out of Shared Services control accounts into the facilities with new control accounts being set up in the facilities. These will now be seen under Project Management/Shared Services by facility. The Shared Services PMB value has not been changed to reflect this change due to the freeze on HLW/PT and SS and the budgets remaining in UB. October 2014 data reflects the incorporation of Direct Feed LAW and the split of Shared Services into LBL Facility Services and Project Services.

Final
Office of River Protection
Tri-Party Agreement
Monthly Summary Report
August 2015



**Office of River Protection
Tri-Party Agreement Milestone Review
August 2015 (Monthly Summary Report/Project Earned Value Management System reflects
June 2015 information)**

| Page | Topic | Leads |
|------|--|---|
| 1 | Administrative Items/Milestone Status | Bryan Trimberger/Dan McDonald/Jeff Lyon |
| 2 | System Plan | DaBrisha Smith/Jeff Lyon/Dan McDonald |
| 3 | Acquisition of New Facilities | Janet Diediker/Jeff Lyon/Dan McDonald |
| 4 | Supplemental Treatment and Part B Permit Applications | Steve Pfaff/Jeff Lyon/Dan McDonald |
| 5 | 242-A Evaporator Status | Richard Valle/Paul Hernandez/Jeff Lyon |
| 7 | Double-Shell Tank System Update | Jeremy Johnson/Jeff Lyon |
| 7 | Single-Shell Tank Integrity Assurance | Jeremy Johnson/ Jim Alzheimer |
| 8 | In Tank Characterization and Summary | Billie Mauss/Michael Barnes |
| 10 | Tank Operations Contract Overview | ORP TPA PMs/Jeff Lyon |
| 17 | Work Breakdown Structure 5.2 Retrieve and Close Single-Shell Tanks | Chris Kemp/Jeff Lyon |
| 18 | Single Shell Tanks Retrieval and Closure Program | Chris Kemp/Jeff Lyon |
| 20 | Tank Waste Retrieval Work Plan Status | Chris Kemp/Jeff Lyon |
| 21 | Tank in Appendix H, "Status - Single Shell Waste Retrieval Criteria" | Chris Kemp/Jeff Lyon |
| 21 | Tank Retrievals with Individual Milestones | Chris Kemp/Jeff Lyon |
| CD | Waste Treatment and Immobilization Plant (WTP) Overall TPA Summary and Milestone Status; see the U.S. Department of Energy, Office of River Protection Consent Decree 08-5085-FVS Monthly Summary Report for WTP Facility-specific information | Delmar Noyes/Dan McDonald |

CD = Consent Decree 08-5085-FVS

| |
|--|
| Administrative Items/Milestone Status |
|--|

| Milestone | Title | Due Date | Completion Date | Status |
|-------------------------|--|------------|-----------------------|--------------|
| Fiscal Year 2015 | | | | |
| M-062-40D | Submit System Plan | 10/31/2014 | 10/31/2014 | Completed |
| M-062-40ZZ | Submit One Time Tank Waste Supp Treatment Technologies Report | 10/31/2014 | Deleted on 08/12/2014 | Deleted |
| M-045-91G-T03 | Provide AOR Final Doc. for SSTs on 1,000,000 Gallon Tanks | 10/31/2014 | 07/07/2014 | Completed |
| M-045-91F-T04 | Provide Report on 100-Series SSTs as having Leaked in RPP-32681 | 12/26/2014 | 11/14/14 | Completed |
| M-045-61 | Phase 2 RCRA Facility Investigation | 12/31/2014 | 12/23/2014 | Completed |
| M-045-86H | Submit Retrieval Data Report to Ecology for C-110 | 01/29/2015 | 08/06/2014 | Completed |
| M-045-91G-T04 | Provide AOR Final Doc. for SSTs on 55,000 Gallon Tanks | 01/30/2015 | 12/3/2014 | Completed |
| M-045-91B-T01 | Provide Ecology report on the Concrete Core from Tank A-106 or alt | 01/31/2015 | 12/3/2014 | Completed |
| M-062-01AD | Submit Semi-Annual Compliance Report | 1/31/2015 | 1/29/2015 | Completed |
| M-045-91F-T02 | Provide Report of Liner Failures for SSTs | 03/31/2015 | 3/16/2015 | Completed |
| M-062-45-T01 | Comp. Neg's 6-Mo After Last Issuance of System Plan | 04/30/2015 | | In Dispute |
| M-062-45-ZZ | Negotiate a One Time Supplemental Treatment Selection | 04/30/2015 | | In Dispute |
| M-062-45-ZZ-A | Convert M-062-31-T01 Thru M-062-34-T01 to Interim Milestones | 04/30/2015 | | In Dispute |
| M-045-91F | Provide Summary Conclusions Report on Leak Integrity | 06/30/2015 | 4/29/15 | Completed |
| M-045-62 | Phase 2 Corrective Measures Implementation Work Plan For WMA-C | TBD | | On Schedule |
| M-045-92O | Barrier 3 Design/Monitoring Approval From Ecology | 06/30/2015 | | In Dispute |
| M-045-91G | Provide Summary Conclusions Report of AOR for SSTs | 07/28/2015 | 6/17/15 | Completed |
| M-045-56K | Ecology and DOE Agree, at a Minimum, to Meet Yearly (By July) | 07/31/2015 | 7/15/15 | Completed |
| M-045-91H | Submit Change Pkg (if necessary) to est. Additional Milestones | 07/31/2015 | 3/15/15 | Completed |
| M-062-01AE | Submit Semi-Annual Compliance Report | 7/31/2015 | 7/29/15 | Completed |
| M-045-82 | Submit Comp. Permit Modification Request for Tiers 1,2,3 | 09/30/2015 | | To Be Missed |
| M-045-91E1 | Provide SST Farms Dome Deflection Surveys Every Two Years | 9/30/2015 | | On Schedule |

| Milestone | Title | Due Date | Completion Date | Status |
|-------------------------|--|------------|-----------------|-------------|
| Fiscal Year 2016 | | | | |
| M-045-92N | Construct Barriers 1 and 2 in 241-SX Farm | 10/31/2015 | | In Dispute |
| M-062-01AF | Submit Semi-Annual Project Compliance Report | 1/31/2016 | | On Schedule |
| M-047-07 | CD-1 for Secondary Liquid Waste Treatment and CR for CD-2 to ECY | 3/31/2016 | | On Schedule |
| M-090-13 | CD-1 for Interim Hanford Storage Project and CR for CD-2 to ECY | 3/31/2016 | | On Schedule |
| M-062-31-T01 | Comp. Final Design & Submit RCRA Part B Permit Mod Request for Enhanced WTP & Supplemental Treatment | 4/30/2016 | | On Schedule |
| M-045-92Q | Submit Barrier 4 Design/Monitoring Plan | 6/30/2016 | | In Dispute |
| M-062-01AG | Submit Semi-Annual Project Compliance Report | 7/31/2016 | | On Schedule |
| M-045-56L | Ecology And DOE A Ecology And DOE Agree, At A Minimum, To Meet Yearly (By July) | 7/31/2016 | | On Schedule |

AOR = Analyses of Record.

CD-1/-2 = critical decision-1/-2

CR = change request.

DOE = U.S. Department of Energy.

Ecology = Washington State Department of Ecology.

RCRA = Resource Conservation and Recovery Act.

SST = single-shell tank.

TPA = Tri-Party Agreement.

WMA-C = Waste Management Area C.

System Plan

M-062-45-T01, Every six years, within six months after last revision of the System Plan, negotiate tank waste retrieval sequencing, Due: April 30, 2015, Status: In Dispute.

Significant Past Accomplishments:

- On October 24, 2013, Washington State Department of Ecology (Ecology) and U.S. Department of Energy (DOE), Office of River Protection (ORP) signed the Tri-Party Agreement (TPA) Change Control Form M-62-13-02, moving out the due date for this embedded milestone from October 31, 2013 to December 15, 2013, for selection of three, or more, scenarios to be modeled in the System Plan.
- Ecology has defined five scenarios to be analyzed in System Plan 7. Washington River Protection Solutions LLC (WRPS) has included a description of each scenario in the Selected Scenarios for the River Protection Project System Plan, Rev. 7 document released to ORP on December 4, 2013. See joint ORP and Ecology letter 13-TPD-0070, dated December 12, 2013, for completion and description of M-062-40C scenarios.
- Detailed assumption review was completed, and has been approved by Ecology.

4. On February 11, 2014, DOE-ORP transmitted a letter (14-TPD-0003) to Washington River Protection Solutions LLC in response to letter (WRPS-1400313) to approve the use of Ecology's Appendix B, "Key Assumptions and Success Criteria," for the ORP 11242, River Protection Project System Plan, Rev. 7.
5. On February 13, 2014 Washington State Department of Ecology presented the five selected scenarios to the Hanford Advisory Board Tank Waste Committee.
6. Ecology, DOE-ORP and WRPS reviewed and provided comments for sections 1 and 2 of the System Plan 7 during the week of February 17, 2014.
7. Ecology, DOE-ORP and WRPS reviewed and provided comments for section 3 of the System Plan 7 during the week of March 21, 2014.
8. Ecology, DOE-ORP and WRPS reviewed and provided comments for Appendix C of the System Plan 7 during the week of April 1, 2014.
9. During the week of April 28, 2014, WRPS and DOE-ORP facilitated meetings for Ecology to define detail spending assumptions for Case 5.
10. On July 29, 2014, WRPS Case authors presented the results of the five cases to Ecology and DOE-ORP.
11. System Plan 7 was reviewed, all comments resolved and incorporated into the document.
12. On October 31, 2014, ORP transmitted System Plan 7 to Ecology.
13. ORP received Ecology's January 14, 2015 transmitted letter 15-NWP-004, regarding the Department of Ecology review of *River Protection System Plan*, ORP-11242, Revision 7.
14. DOE-ORP met with Ecology at the Tank Farms TPA and CD monthly status meeting on February 25, 2015.
15. ORP transmitted Letter 15-WSC-0027, ORP's response to Ecology's Letter 15-NWP-004 to Ecology on June 2, 2015. ORP letter provided clarification and several attachments of additional information requested in Ecology's January 14, 2015 letter.

Significant Planned Actions in the Next 6 Months:

None

Issues:

None.

Acquisition of New Facilities

M-090-13, Submit Critical Decision-1 for Interim Hanford Storage Project and TPA Change Request for CD-2 to Ecology, Due: March 31, 2016, Status: On Schedule. Created by TPA Change Control Form M-90-12-02, signed by ORP and Ecology on November 19, 2012, to "Submit to Ecology, a Conceptual Design Report Package (Critical Decision-1) for the Interim Hanford Storage Project (storage of the first two years of Hanford Site Immobilized High-Level Waste from WTP operations) and a TPA Change Request (in accordance with TPA Action Plan Section 12.0) to submit to Ecology, a Preliminary Design Report package (Critical Decision-2)."

M-090-00, Acquire/Modify Facilities for Storage of Immobilized High-Level Waste (IHLW), Due: December 31, 2019, Status: On schedule.

M-047-07, Submit CD-1 for Secondary Liquid Waste Treatment and Change Request (CR) for CD-2 to Ecology, Due: March 31, 2016, Status: On Schedule. Created by TPA Change Control Form M-47-12-02, signed by ORP and Ecology on November 19, 2012, to "Submit to Ecology, a Conceptual Design Report package (Critical Decision-1) for the Secondary Liquid Waste Treatment Project and a TPA Change Request (in accordance with TPA Action Plan Section 12.0) to submit to Ecology, a Preliminary Design Report package (Critical Decision-2)."

M-047-00, Complete Work Necessary to Provide Facilities for Management of Secondary Waste from the Waste Treatment and Immobilization Plant (WTP), Due: December 31, 2022, Status: On schedule.

Significant Past Accomplishments:

ORP and Ecology signed TPA Change Packages M-47-14-01 and M-90-14-01 on July 14, 2014 moving the due date for M-047-07 and M-090-13 to March 31, 2016.

Significant Planned Actions in the Next 6 Months:

None.

Issues:

None.

Supplemental Treatment and Part B Permit Applications

M-062-45ZZ (designation for M-062-45 item #3), Negotiate a one-time supplemental treatment selection, Due: April 30, 2015, Status: In dispute.

M-062-45ZZ-A, Convert M-062-31-T01 through M-062-34-T01 to Interim Milestones, Due: April 30, 2015, Status: In dispute.

M-062-31-T01, Complete final design and submit Resource Conservation and Recovery Act Part B permit modification request, Due: April 30, 2016, Status: On schedule.

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

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

M-062-45XX, No later than December 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: December 31, 2021, Status: On schedule.

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

M-062-21, Annually submit data that demonstrates operation of the WTP, Due: February 28, 2023, Status: On schedule.

M-062-00, Complete Pretreatment Processing and Vitrification of High-Level Waste and LAW Tank Wastes, Due: December 31, 2047, Status: On schedule.

Significant Past Accomplishments:

*Per ORP letter 14-TF-0052, signed by ORP on May 6, 2014 and provided to Ecology on May 7, 2014, ORP documented the ORP/Ecology discussions for the One-Time Hanford Tank Waste Supplemental Treatment Technologies Report and that ORP does not intend to submit this report. ORP received Ecology's response letter, 14-NWP-110, on May 29, 2014. ORP Letter 14-TF-0088, dated and delivered to Ecology on July 31, 2014, submitted a signed TPA Change Package to delete the requirement of the One-Time Hanford Tank Waste Supplemental Treatment Technologies Report from TPA Milestone M-062-40. Ecology signed TPA Change Package M-62-14-01 deleting M-062-40ZZ on August 12, 2014.

Significant Planned Actions in the Next 6 Months:

None.

Issues:

On 01/30/15, ORP provided Ecology Change Control Form M-62-14-02, which proposed adding language under TPA Milestone M-062-45 to defer negotiations required under M-062-45. Ecology did not respond with the 14 day review period that ended February 13, 2015 which is deemed disapproval in accordance with the TPA. In letter 15-TF-0014, dated 02/20/15, ORP initiated dispute resolution. Ecology provided a justification for their disapproval on March 12, 2015 via letter 15-NWP-036. Ecology and ORP signed an extension of the dispute resolution period at the TPA project manager level until August 15, 2015.

242-A Evaporator Status

(previously reported under Milestone M-48, which has been closed out)

242-A Evaporator Status:

The 242-A campaign strategy for fiscal year (FY) 2010 through FY 2015 depicted in the following table has been updated based on ORP-11242, *River Protection Project Plan* and ongoing schedule integration efforts.

| Fiscal Year | Campaign No. | Feed Source | Slurry Tank | Comments |
|-------------|--------------|------------------|-------------|--|
| FY 2010 | 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. |
| FY 2010 | 10-02 | AW-106 | AW-106 | |
| FY 2011 | N/A | N/A | N/A | No campaign conducted in FY 2011 due to ongoing 242-A and tank farm facility life extension and American Recovery and Reinvestment Act funded upgrades. |
| FY 2012 | N/A | N/A | N/A | No campaign conducted in FY 2012 due to ongoing 242-A and tank farm facility upgrades and revision to the 242-A Documented Safety Analysis. |
| FY 2013 | N/A | N/A | N/A | No campaigns to be conducted in FY 2013 due to ongoing 242 A and tank farm facility upgrades and revision to the 242-A Documented Safety Analysis. |
| FY 2014 | 13-01 | AP-107 | AP-107 | Campaign started September 9, 2014. Campaign completed on October 9, 2014. |
| FY 2015 | EC-01 | AP-103 AP-104 | AP-107 | Campaign and flush activities completed on June 21, 2015. |
| FY 2015 | EC-02 | AZ-102 | AP-103 | Completed 7/21/15. |
| FY 2015 | EC-03 | AZ-102 | AP-103 | Estimated to begin September 2015. |
| FY 2016 | EC-04 | AW-106 | AP-103 | Estimated to begin February/March 2016 . |

FY = fiscal year.
N/A = not applicable.

Significant Planned Actions in the Next 6 Months:

The EC-02 campaign began 7/10/15 and completed 7/21/15. Waste Volume Reduction was 384,000 including all flush activities. Upon completion of the EC-02 campaign, Steam system SIS upgrades are planned to begin.

Issues:

None

Double-Shell Tank System Update

Ultrasonic Testing Inspection

- Ultrasonic testing for tank AN-103 is complete and inspection of the annulus floor has indicated thinning. The report is drafted and going through the approval process.
- Ultrasonic inspection operations are ongoing for tank AN-104. Initial scans have indicated some thinning along the annulus floor. To further evaluate the condition, additional scanning of the annulus floor is currently being performed and the UT work is being completed by ITIVS of South Carolina.

Visual Inspection

- Continuing bi-weekly inspections of AY-102 waste accumulation sites.
- Continuing bi-monthly comprehensive inspection of AY-102 annulus.
- Annulus visual inspections are completed in tanks AP-102, AP-103, AP-104, AP-105, AP-106, AP-108 AW-101, AW-102, and AW-104. This completes the FY 2015 annulus inspections for the DSTs.

Single-Shell Tank Integrity Assurance

M-045-91F-T02, Provide to Ecology as a Hanford Federal Facility Agreement and Consent Order 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: March 31, 2015, Status: Complete. RPP-RPT-55804, Common Factors Relating to Liner Failures in Single-Shell Tanks, was transmitted from ORP to Ecology on 03/16/2015 under letter 15-TF-0005.

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 M-045-91F-T04, Due: June 30, 2015 Status: Complete. Report transmitted to Ecology on April 29, 2015 under ORP letter 15-TF-0043

M-045-91G, Provide a Summary Conclusions Report of Structural Analysis of Record for SSTs, Due: July 28, 2015, Status: Complete. Report transmitted to Ecology on June 17, 2015 under ORP letter 15-TF-0059.

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 of milestones to date, Due: July 31, 2015, Status: Complete 3/25/2015.

M-045-91I, Provide to Ecology an Independent, Qualified, Registered Professional Engineer (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: September 30, 2018, Status: On schedule.

Significant Past Accomplishments:

Completion of M-045-91H. The work completed to date under M-045-91F and M-045-91G does not necessitate the creation of any additional milestones. In accordance with a 3/25/15 meeting with Ecology, ORP considers M-045-91H complete and does not intend to submit a change package for the creation of any additional milestones for SST Integrity.

Significant Planned Actions in the Next 6 Months:

Begin planning for the SST Integrity Assessment by an IQRPE (M-045-91I).

Issues:

None

In Tank Characterization and Summary

For the period from July 1 through July 31, 2015:

Accomplishments:

- Completed RPP-RPT-52516, *Derivation of Best-Basis Inventory for Tank 241-C-112 as of March 3, 2015*, Rev 3.
- Completed RPP-RPT-48745, *Derivation of Best-Basis Inventory for Tank 241-C-107 as of March 1, 2015*, Rev 9.
- Completed RPP-PLAN-55529, *Grab Sampling and Analysis plan for the 241-AY-102A Leak Detection Pit*, Rev 3.
- Completed RPP-RPT-58692, *Tank 241-C-112 Residual Waste Inventory Estimates for Component Closure Risk Assessment*, Rev 1, was released July 27, 2015.
- Completed RPP-RPT-58514, *Tank 241-C-107 Residual Waste Inventory Estimates for Component Closure Risk Assessment*, Rev 1, was released July 27, 2015.
- Performed 241-SY-103 core sampling July 14 through July 27, 2015. Eleven samples were received at the lab.

Planned Action within the Next 6 Months:

Tank sampling:

- Tank 241-AY-102 Leak-Detection Pit grab sampling is planned for August 2015.
- Tank 241-SY-103 Riser 19 core sampling is planned for August 2015.
- Tank 241-AP-105 grab sampling is planned for September 2015.

- Tank 241-C-105 in-process grab sampling is planned for September 2015.

Best-Basis Inventory (BBI) updates:

BBI updates for the following tanks were completed in July:

- 241-C-107
- 241-C-112

BBI updates for the following tanks currently are planned to be completed in August:

- 241-AN-106
- 241-AN-107
- 241-AP-107
- 241-AW-102
- 241-AX-101
- 241-C-101
- 241-SX-102

Data Quality Objectives (DQO):

- RPP-44057, *Data Quality Objectives to Support Strategic Planning*, Rev 2, is in-process to clarify DQO applicability and obtain data used to update the BBIs.
- RPP-SPEC-33590, *Data Quality Objectives for Evaluation of Stack Chemical Emissions*, Rev 2, is in-process to incorporate updated requirements for evaluation of stack chemical emissions after AY/AZ tank farm ventilation upgrades.
- HNF-SD-WM-DQO-001, *Data Quality Objectives for the Tank Farms Waste Compatibility Program*, Rev 21, is in-process to simplify quality control parameters.
- RPP-8532, *Double-Shell Tanks Chemistry Control Data Quality Objectives*, Rev 15, is in-process to identify additional analyses for corrosion mitigation and to simplify quality control parameters.

Issues:

None.

Tank Operations Contract Overview

Project Performance

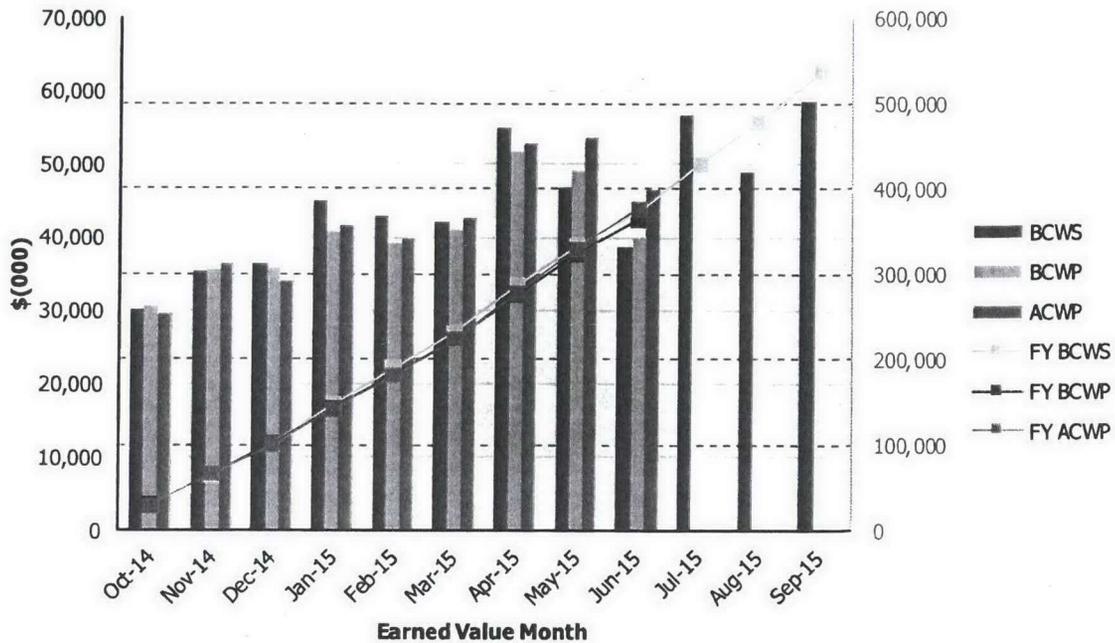
The earned value performance reporting reflects the format, work breakdown structure reporting levels, and variance thresholds as agreed to with the tank operations contractor for monthly performance reporting. The earned value analysis is not intended to be a measurement of performance against existing TPA milestones.

As of June 30, 2015, Washington River Protection Solutions LLC, the Tank Operations Contractor, has worked 253 days without a lost time workday injury and 110 days since the last recordable case. There was no Days Away, Restricted, Dart cases and no recordable cases in the month of May.

| June-15 | | | | | | | | | | |
|---------|-----------|-----------|-----------|----------|----------|------|------|-------------|-------------|----------|
| | BCWS | BCWP | ACWP | SV | CV | SPI | CPI | BAC | EAC | VAC |
| CM | 38,744 | 40,149 | 46,503 | 1,405 | (6,354) | 1.03 | 0.86 | | | |
| FYTD | 372,420 | 364,154 | 376,926 | (8,266) | (12,772) | | | 549,484.0 | | |
| CTD | 2,716,326 | 2,682,634 | 2,677,872 | (33,692) | 4,762 | | | 3,573,080.0 | 3,535,500.0 | 37,580.0 |
| | | | | | | | | | | |

Tank Farms ORP-0014

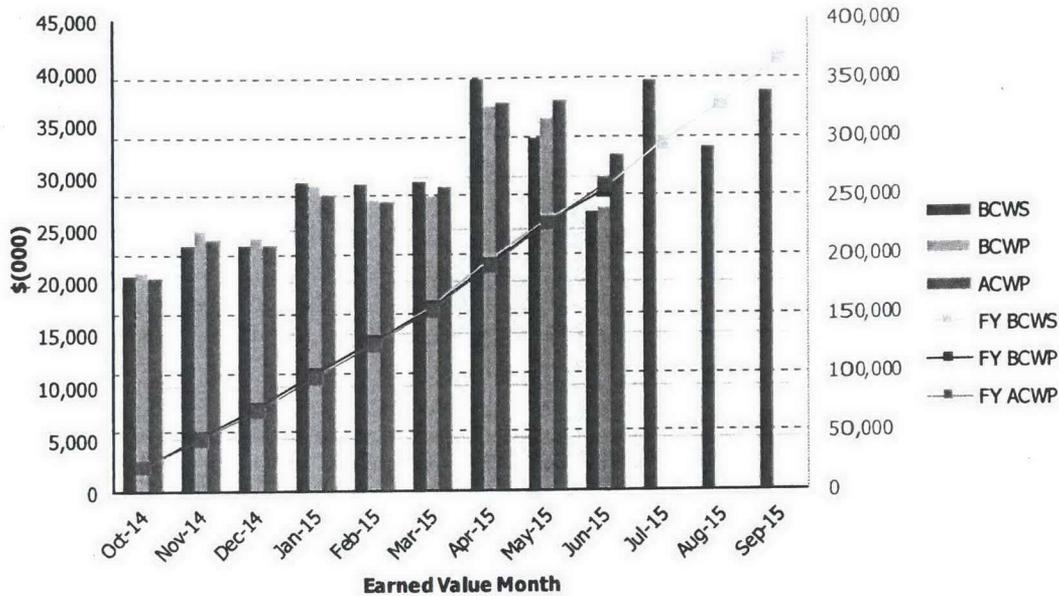
EVMS Monthly and Fiscal Year Values



| Earned Value Month | BCWS | BCWP | ACWP | SPI | CPI | FY BCWS | FY BCWP | FY ACWP | FY SPI | FY CPI |
|--------------------|-------------|-------------|-------------|------|------|-----------|-----------|-----------|--------|--------|
| Oct 2014 | \$30,052 | \$30,480 | \$29,607 | 1.01 | 1.03 | \$30,052 | \$30,480 | \$29,607 | 1.01 | 1.03 |
| Nov 2014 | \$35,246 | \$35,697 | \$36,417 | 1.01 | 0.98 | \$65,298 | \$66,178 | \$66,024 | 1.01 | 1.00 |
| Dec 2014 | \$36,377 | \$35,858 | \$33,978 | 0.99 | 1.06 | \$101,675 | \$102,036 | \$100,002 | 1.00 | 1.02 |
| Jan 2015 | \$45,083 | \$40,697 | \$41,603 | 0.90 | 0.98 | \$146,757 | \$142,733 | \$141,605 | 0.97 | 1.01 |
| Feb 2015 | \$42,913 | \$39,189 | \$39,643 | 0.91 | 0.99 | \$189,671 | \$181,922 | \$181,248 | 0.96 | 1.00 |
| Mar 2015 | \$42,159 | \$41,174 | \$42,721 | 0.98 | 0.96 | \$231,830 | \$223,096 | \$223,968 | 0.96 | 1.00 |
| Apr 2015 | \$54,958 | \$51,747 | \$52,922 | 0.94 | 0.98 | \$286,788 | \$274,843 | \$276,890 | 0.96 | 0.99 |
| May 2015 | \$46,888 | \$49,161 | \$53,532 | 1.05 | 0.92 | \$333,676 | \$324,004 | \$330,422 | 0.97 | 0.98 |
| Jun 2015 | \$38,744 | \$40,149 | \$46,503 | 1.04 | 0.86 | \$372,420 | \$364,153 | \$376,925 | 0.98 | 0.97 |
| Jul 2015 | \$56,899 | | | | | \$429,319 | | | | |
| Aug 2015 | \$48,837 | | | | | \$478,156 | | | | |
| Sep 2015 | \$58,619 | | | | | \$536,775 | | | | |
| CTD | \$2,716,326 | \$2,682,634 | \$2,677,872 | 0.99 | 1.00 | | | | | |

**Tank Farms ORP-0014
Base Operations 5.01**

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 2014 | \$20,627 | \$20,833 | \$20,428 | 1.01 | 1.02 | \$20,627 | \$20,833 | \$20,428 | 1.01 | 1.02 |
| Nov 2014 | \$23,471 | \$24,930 | \$23,988 | 1.06 | 1.04 | \$44,098 | \$45,762 | \$44,417 | 1.04 | 1.03 |
| Dec 2014 | \$23,467 | \$24,105 | \$23,547 | 1.03 | 1.02 | \$67,565 | \$69,867 | \$67,964 | 1.03 | 1.03 |
| Jan 2015 | \$29,511 | \$29,162 | \$28,218 | 0.99 | 1.03 | \$97,075 | \$99,029 | \$96,181 | 1.02 | 1.03 |
| Feb 2015 | \$29,299 | \$27,739 | \$27,582 | 0.95 | 1.01 | \$126,375 | \$126,768 | \$123,764 | 1.00 | 0.98 |
| Mar 2015 | \$29,525 | \$28,162 | \$28,967 | 0.95 | 0.97 | \$155,900 | \$154,929 | \$152,731 | 0.99 | 0.99 |
| Apr 2015 | \$39,203 | \$36,623 | \$36,998 | 0.93 | 0.99 | \$195,103 | \$191,552 | \$189,729 | 0.98 | 0.99 |
| May 2015 | \$33,584 | \$35,557 | \$37,250 | 1.06 | 0.95 | \$228,687 | \$227,109 | \$226,979 | 0.99 | 1.00 |
| Jun 2015 | \$26,594 | \$26,830 | \$32,081 | 1.01 | 0.84 | \$255,281 | \$253,939 | \$259,060 | 0.99 | 1.02 |
| Jul 2015 | \$39,031 | | | | | \$294,312 | | | | |
| Aug 2015 | \$32,790 | | | | | \$327,102 | | | | |
| Sep 2015 | \$38,151 | | | | | \$365,253 | | | | |
| CTD | \$1,792,708 | \$1,779,783 | \$1,766,744 | 0.99 | 1.01 | | | | | |

Base Operations and Tank Farm Projects

The current month favorable schedule variance (SV) of \$235K is due to the following:

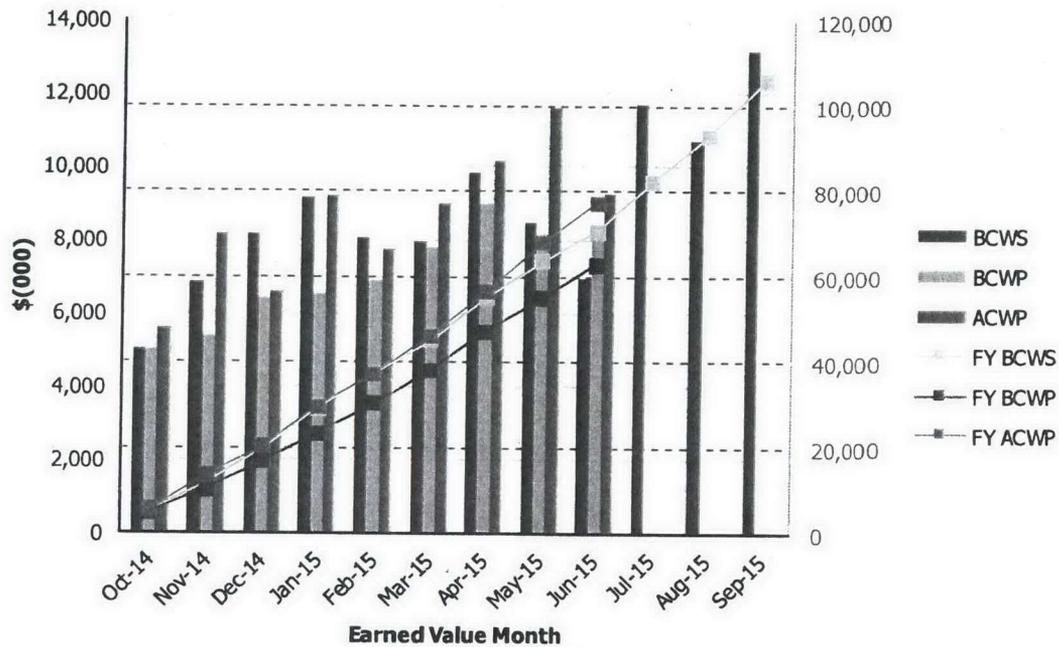
- Schedule recovery of AN-103 Integrity Ultrasonic Testing
- Early completion of the ETF heat exchanger
- Completion of SECDs and further development of the AY-102 WRS Design Integration/Authorization Basis (AB) Amendment

The current month unfavorable cost variance (CV) of (\$5,251K) is due to the following:

- Cost increases due to vapor requirements, increased equipment costs, labor needs and increase in training requirements.

**Tank Farms ORP-0014
Retrieve and Close SST's 5.02**

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 2014 | \$5,024 | \$5,011 | \$5,609 | 1.00 | 0.89 | \$5,024 | \$5,011 | \$5,609 | 1.00 | 0.89 |
| Nov 2014 | \$6,852 | \$5,392 | \$8,174 | 0.79 | 0.66 | \$11,876 | \$10,403 | \$13,783 | 0.88 | 0.75 |
| Dec 2014 | \$8,171 | \$6,453 | \$6,612 | 0.79 | 0.98 | \$20,047 | \$16,856 | \$20,395 | 0.84 | 0.83 |
| Jan 2015 | \$9,167 | \$6,524 | \$9,195 | 0.71 | 0.71 | \$29,215 | \$23,380 | \$29,589 | 0.80 | 0.79 |
| Feb 2015 | \$8,075 | \$6,924 | \$7,719 | 0.86 | 0.90 | \$37,290 | \$30,304 | \$37,309 | 0.81 | 0.81 |
| Mar 2015 | \$7,971 | \$7,801 | \$9,009 | 0.98 | 0.87 | \$45,261 | \$38,105 | \$46,318 | 0.84 | 0.82 |
| Apr 2015 | \$9,818 | \$9,019 | \$10,148 | 0.92 | 0.89 | \$55,079 | \$47,124 | \$56,466 | 0.86 | 0.83 |
| May 2015 | \$8,475 | \$7,830 | \$11,613 | 0.92 | 0.67 | \$63,554 | \$54,954 | \$68,079 | 0.86 | 0.81 |
| Jun 2015 | \$6,981 | \$8,021 | \$9,247 | 1.15 | 0.87 | \$70,535 | \$62,975 | \$77,326 | 0.89 | 0.81 |
| Jul 2015 | \$11,715 | | | | | \$82,250 | | | | |
| Aug 2015 | \$10,714 | | | | | \$92,964 | | | | |
| Sep 2015 | \$13,179 | | | | | \$106,143 | | | | |
| CTD | \$576,033 | \$558,393 | \$586,669 | 0.97 | 0.95 | | | | | |

Retrieve and Close Single Shell Tanks

The current month unfavorable cost variance (CV) of (\$1,226k) is due to:

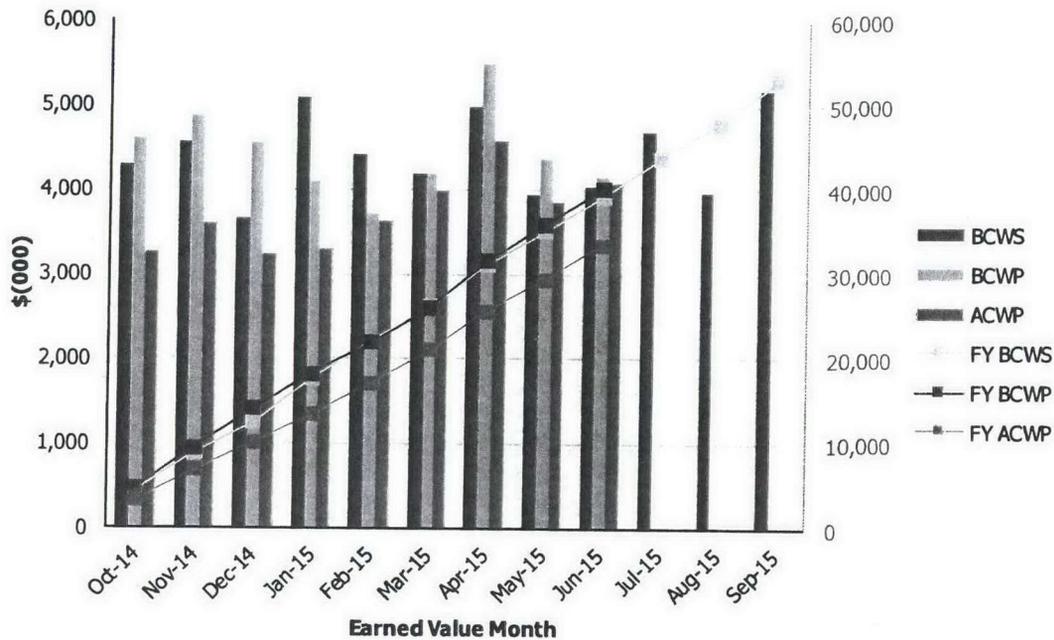
- Limited amount of waste retrieved was retrieved from Tank 241-C-105 during June due to work a stoppage related to a potential hose cage temperature issue (AN-06 Red Arrow). The project team was required to carry the full retrieval crew during this work stoppage.
- Increased/Additional subcontractor utilization related to field activities for the Exhauster Installation, Tower/Stack Extension & Platform Installation located within A/AX Farm due to SCBA requirements.

The current month favorable schedule variance (SV) of \$1,041k is due to:

- Schedule acceleration for the removal of 10 Hose in Hose Transfer Lines (HIHTL) from C-Farm.
- Retrieval operation continued at Tank 241-C-105. An estimate 19k gallons of waste has been retrieved since the last reporting period.

Tank Farms ORP-0014
Waste Feed Delivery/Treatment/Double-Shell Tank Retrieval Closure 5.03

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 2014 | \$4,277 | \$4,605 | \$3,261 | 1.08 | 1.41 | \$4,277 | \$4,605 | \$3,261 | 1.08 | 1.41 |
| Nov 2014 | \$4,549 | \$4,876 | \$3,585 | 1.07 | 1.36 | \$8,826 | \$9,480 | \$6,846 | 1.07 | 1.38 |
| Dec 2014 | \$3,652 | \$4,559 | \$3,229 | 1.25 | 1.41 | \$12,478 | \$14,040 | \$10,075 | 1.13 | 1.39 |
| Jan 2015 | \$5,101 | \$4,113 | \$3,308 | 0.81 | 1.24 | \$17,579 | \$18,152 | \$13,383 | 1.03 | 1.36 |
| Feb 2015 | \$4,413 | \$3,734 | \$3,636 | 0.85 | 1.03 | \$21,992 | \$21,887 | \$17,019 | 1.00 | 1.29 |
| Mar 2015 | \$4,185 | \$4,206 | \$3,988 | 1.00 | 1.05 | \$26,177 | \$26,092 | \$21,007 | 1.00 | 1.24 |
| Apr 2015 | \$4,989 | \$5,497 | \$4,584 | 1.10 | 1.20 | \$31,166 | \$31,589 | \$25,591 | 1.01 | 1.23 |
| May 2015 | \$3,946 | \$4,372 | \$3,849 | 1.11 | 1.14 | \$35,112 | \$35,961 | \$29,440 | 1.02 | 1.22 |
| Jun 2015 | \$4,043 | \$4,154 | \$4,082 | 1.03 | 1.02 | \$39,155 | \$40,115 | \$33,522 | 1.02 | 1.20 |
| Jul 2015 | \$4,695 | | | | | \$43,850 | | | | |
| Aug 2015 | \$3,968 | | | | | \$47,818 | | | | |
| Sep 2015 | \$5,179 | | | | | \$52,997 | | | | |
| CTD | \$315,724 | \$312,679 | \$293,867 | 0.99 | 1.06 | | | | | |

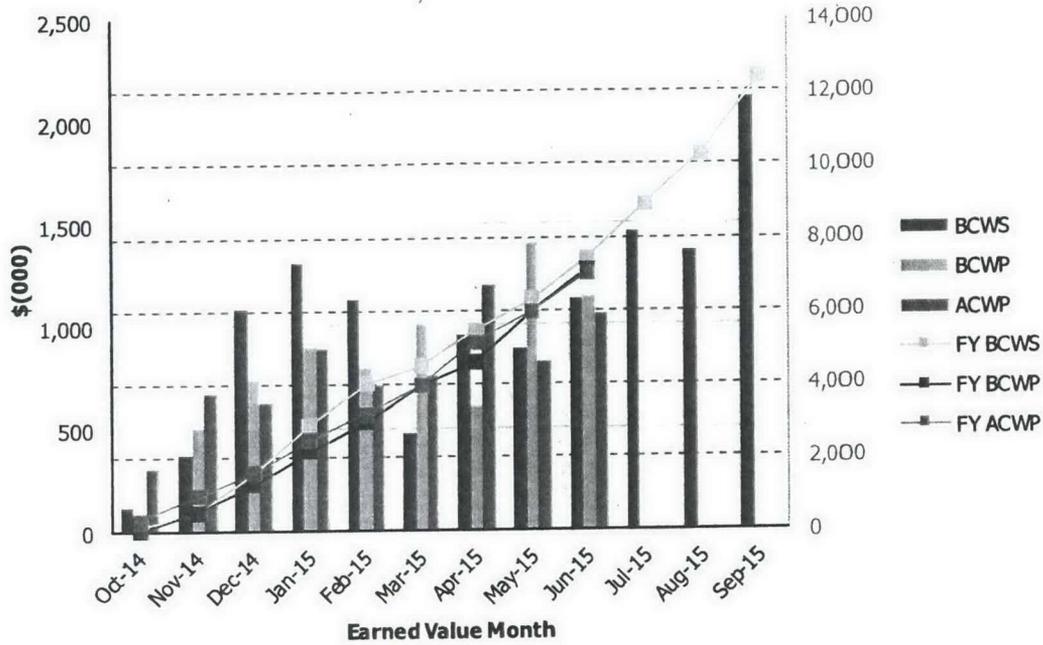
Waste Feed Delivery/Treatment/Double-Shell Tank Retrieval Closure

The current month favorable schedule variance (SV) of \$110K is within the reporting threshold.

The current month favorable cost variance (CV) of \$72K is within the reporting threshold.

**Tank Farms ORP-0014
Treat Waste 5.5**

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 2014 | \$124 | \$32 | \$308 | 0.26 | 0.10 | \$124 | \$32 | \$308 | 0.26 | 0.10 |
| Nov 2014 | \$374 | \$500 | \$674 | 1.34 | 0.74 | \$498 | \$532 | \$982 | 1.07 | 0.54 |
| Dec 2014 | \$1,087 | \$741 | \$628 | 0.68 | 1.18 | \$1,585 | \$1,273 | \$1,610 | 0.80 | 0.79 |
| Jan 2015 | \$1,304 | \$899 | \$883 | 0.69 | 1.02 | \$2,889 | \$2,172 | \$2,493 | 0.75 | 0.87 |
| Feb 2015 | \$1,126 | \$792 | \$707 | 0.70 | 1.12 | \$4,015 | \$2,964 | \$3,200 | 0.74 | 0.93 |
| Mar 2015 | \$478 | \$1,006 | \$754 | 2.11 | 1.33 | \$4,492 | \$3,970 | \$3,954 | 0.88 | 1.00 |
| Apr 2015 | \$948 | \$607 | \$1,194 | 0.64 | 0.51 | \$5,440 | \$4,577 | \$5,148 | 0.84 | 0.89 |
| May 2015 | \$884 | \$1,403 | \$818 | 1.59 | 1.72 | \$6,324 | \$5,980 | \$5,966 | 0.95 | 1.00 |
| Jun 2015 | \$1,127 | \$1,144 | \$1,057 | 1.02 | 1.08 | \$7,451 | \$7,124 | \$7,023 | 0.96 | 1.01 |
| Jul 2015 | \$1,458 | | | | | \$8,909 | | | | |
| Aug 2015 | \$1,367 | | | | | \$10,276 | | | | |
| Sep 2015 | \$2,111 | | | | | \$12,387 | | | | |
| CTD | \$11,751 | \$11,669 | \$11,420 | 0.99 | 1.02 | | | | | |

Treat Waste

The current month favorable schedule variance (SV) of \$17K is within the reporting threshold.
 The current month favorable cost variance (CV) of \$87K is within the reporting threshold.

Work Breakdown Structure 5.2 Retrieve and Close Single-Shell Tanks

M-045-56K, Complete Implementation of Agreed to Interim Measures, Due: July 31, 2015, Status: Complete. Annual meeting was held July 15, 2015

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 Waste Management Areas (WMA) (pending the Corrective Measures Study report, Milestone M-45-58, and implementation of other interim corrective measures), Due: To be determined, Status: On schedule.

M-045-61A, Submit to Ecology for review and approval as an Agreement primary document, document review process, a Phase 2 Corrective Measures Study, and revision 0 update to the RFI Report for WMA-C), Due: December 31, 2016, Status: On Schedule. The Phase 2 RCRA Facility Investigation Report Draft A for WMA-C, RPP-RPT-58339, was transmitted to Ecology on December 23, 2014, via letter 14-TF-0131. This milestone was created by HFFACO change package M-45-14-03, signed October 1, 2014.

M-045-62, Submit to Ecology for review and approval as an agreement primary document a Phase 2 Corrective Measures Study Implementation Plan for WMA-C, Due: Six (6) months after the approval of the CMS submitted under milestone M-045-61A Status: TPA Change Control form M-45-15-02 approved on April 14, 2015.

M-045-92, Complete Installation of Four (4) Additional Interim Barriers (see interim milestones below), Due: October 31, 2017, Status: In Dispute. TPA Change Control form M-45-15-01 submitted via letter 15-TF-0027 on March 31, 2015. Change was not approved and dispute resolution process was initiated via letter 15-TF-0042 on April 20, 2015. Dispute is at the project manager level and has been extended to August 16, 2015.

M-045-92N, Construct Barriers 1 and 2 in 241-SX Farm, Due: October 31, 2015, Status: In Dispute. TPA Change Control form M-45-15-01 submitted via letter 15-TF-0027 on March 31, 2015. Change was not approved and dispute resolution process was initiated via letter 15-TF-0042 on April 20, 2015. Dispute is at the project manager level and has been extended to August 16, 2015.

M-045-92O, Submit a Final Design and Monitoring Plan for Interim Barrier 3, Due: June 30, 2015, Status: In Dispute. TPA Change Control form M-45-15-01 submitted via letter 15-TF-0027 on March 31, 2015. Change was not approved and dispute resolution process was initiated via letter 15-TF-0042 on April 20, 2015. Dispute is at the project manager level and has been extended to August 16, 2015.

Significant Past Accomplishments:

- Automated data collection systems for T Farm and TY Farm interim barrier monitoring continue gathering data
- Documentation of the WMA-C Phase 2 Resource Conservation and Recovery Act Facility Investigation Report was completed, and RPP-RPT-58339 was transmitted to Ecology on December 23, 2014, completing M-045-61.

- Completed the annual interim barrier monitoring report for data collected in 2014, RPP-ENV-58420.

Significant Planned Actions in the Next 6 Months:

- Continue data collection for T Farm and TY Farm interim surface barrier monitoring.

Issues:

- Change control form M-45-15-01 was submitted by ORP via letter 15-TF-0027 to Ecology for approval. The change control form proposed modifying the due dates for construction of Barriers 1 and 2 and design and construction of Barriers 3 and 4. Construction of SX Barriers 1 and 2 has been delayed because ORP was required to shift resources to other higher priority, higher risk work scope, including among other things, safety concerns. In addition, Ecology and ORP have yet to agree upon the locations for Barriers 3 and 4. It is proposed that Ecology and ORP discuss Barrier 3 and 4 locations during the M-045-56 Milestone annual interim measure meetings held by the end of July 2015. The change control form was not approved, and the dispute resolution process was initiated via letter 15-TF-0042 on April 20, 2015. Dispute is at the project manager level and has been extended to August 16, 2015.

Single Shell Tanks Retrieval and Closure Program

M-045-82, Submit complete permit mod requests for Tiers 1, 2, and 3 of the SST, Due: September 30, 2015, Status: To be missed. Please see issues.

M-045-84, Complete negotiations of TPA interim milestones for closure of second WMA, Due: January 31, 2017, Status: On schedule.

M-045-83, Complete the closure of WMA-C, Due: June 30, 2019, Status: To be missed. Please see issues.

M-045-85, Complete negotiations of TPA interim milestones for closure of remaining WMAs, Due: January 31, 2022, Status: On schedule.

M-045-70, Complete waste retrieval from all remaining SSTs, Due: December 31, 2040, Status: On schedule.

M-045-00, Complete closure of all SST farms, Due: January 31, 2043, Status: On schedule.

M-045-86, Submit retrieval data report to Ecology for 19 tanks retrieved, Due: To be determined (12 months after retrieval certification), Status: At risk.

- M-045-86C: Retrieval Data Report for C-104 was due March 21, 2014. Completed on February 18, 2014 with letter 14-TF-0013
- M-045-86F: Retrieval Data Report for C-108 was due May 1, 2014. Completed on November 27, 2013 with letter 13-TF-0120

- M-045-86G: Retrieval Data Report for C-109 was due June 4, 2014. Completed on March 13, 2014 with letter 14-TF-0020
- M-045-86H: Retrieval Data Report for C-110 was due January 29, 2015. Completed on August 6, 2014 with letter 14-TF-0086.

Significant Past Accomplishments:

- Completed Surface Geophysical Exploration (SGE) Level 1 Work Package (A-Farm).
- Completed Draft Residual Volume for C-102, initiated development of the Request to Forgo 3rd Technology.
- Continued Retrieval Operation at C-105 (suspended on 6/18 due to AN-106 Red Arrow).
- Accelerated Quarterly Cord Outage due to An-106 Red Arrow (outage separated into two phases).
- Received C-111 Modified Long Arm ERSS.
- Completed AN-106 Failed Slurry Distributor Disposal Activities.
- Completed AX Farm Tank Retrieval System and DST #1 Receiver Tank Design (preliminary design).
- Completed AX Farm Ventilation Design Verification (ECN/Redline Incorporation).
- Completed A/AX Personnel Office/Bathroom Facility Upgrades Design and Demolition of Existing Trailers Design.
- Completed Glass Waste Forms Data Package for Workshop #3.
- Completed ETF Grout Data Package, Solid Secondary Waste Data Package, and TOC Equipment Waste Data Package for Workshop #4.

Significant Planned Activities in the Next 6 Months:

- Complete scoping meetings for a performance assessment for WMA A/AX.
- Complete the RDR for tank C-107.
- Develop RDRs for tank C-101.
- Complete the RDR for tank C-112.

Issues:

- ORP and Ecology continue to meet to develop an integrated path forward that addresses all the deliverables associated with Milestone M-045-82. ORP submitted change control form M-45-15-03 to Ecology via letter 15-TF-0065 on June 30, 2015.
- Delays in obtaining the post-retrieval samples from tanks C-112 and C-101 may result in delayed completion of the RDRs.
- The HFFACO Appendix I Performance Assessment will not be completed for submittal to ECY until October 2016, along with the submittal of the Phase 2 Corrective Measures Study and revision 0 update to the RFI Report for WMA-C due on December 31, 2016. Currently the review cycle for both the Closure Plans by ECY and the review of the Waste Incidental to Reprocessing decision by DOE do not allow adequate time for completion and to be able to perform field activities necessary to complete by June 30, 2019.

Tank Waste Retrieval Work Plan Status

| Tank | TWRWP | Expected Revisions | First Retrieval Technology | Second Technology | Third Technology |
|-------|-------------------|--------------------|-----------------------------|---|--|
| C-101 | RPP-22520, Rev. 8 | Complete | Modified Sluicing with ERSS | High-Pressure Water deployed with the ERSS | - |
| C-102 | RPP-22393, Rev. 7 | Complete | Modified Sluicing with ERSS | High-Pressure Water deployed with the ERSS | - |
| C-104 | RPP-22393, Rev. 7 | Complete | Modified Sluicing | Chemical Retrieval Process complete per 13-TF-0018 | - |
| C-105 | RPP-22520, Rev. 8 | Complete | MARS-V | MARS-V-High Pressure Water Spray | - |
| C-107 | RPP-22393, Rev. 7 | Complete | MARS-S | MARS-S -High Pressure Water Spray | Water Dissolution |
| C-108 | RPP-22393, Rev. 7 | Complete | Modified Sluicing | Chemical Retrieval Process complete per 13-TF-0025 | - |
| C-109 | RPP-21895, Rev. 5 | Complete | Modified Sluicing | Chemical Retrieval Process complete per 13-TF-0037 | - |
| C-110 | RPP-33116, Rev. 3 | Complete | Modified Sluicing | Mechanical Waste Conditioning with an In-Tank Vehicle | High Pressure Water |
| C-111 | RPP-37739, Rev. 2 | Complete | Modified Sluicing | High pressure water using the ERSS | Chemical Dissolution Process with ERSS |
| C-112 | RPP-22393, Rev. 7 | Complete | Modified Sluicing | Chemical Retrieval Process | - |

ERSS = Extended Reach Sluicing System.

MARS = Mobile Arm Retrieval System.

S = sluicing.

TWRWP = Tank Waste Retrieval Work Plan.

V = vacuum.

Significant Accomplishments:

None.

Significant Planned Activities in the Next 6 Months:

- Draft AX Farm TWRWPs.

Issues:

None.

Tank in Appendix H, "Status - Single Shell Waste Retrieval Criteria"

Tank 241-C-106

Significant Past Accomplishments:

None.

Significant Planned Activities in the Next 6 Months:

- Continue U.S. Nuclear Regulatory Commission (NRC) review of the C-106 exception request. A request for additional information was received from the NRC in February 2009.

Issues:

- It has been discussed with the NRC that much of the additional information requested is dependent upon development of C Farm residual waste Performance Assessment (PA) and, therefore, cannot be provided until the PA is published.

Tank Retrievals with Individual Milestones

Tank 241-A-103

M-045-15, Completion of Tank A-103 SST Waste Retrieval, Due: September 30, 2022, Status: On schedule. Change Package M-45-11-04 replaced Tank S-102 with Tank A-103 and changed the milestone completion date for M-045-15 to September 30, 2022.

M-045-15A, Embedded Milestone, Submit a Retrieval Data Report Pursuant to Agreement Appendix I, Due: September 30, 2022, Status: On schedule. Updated with Tank A-103 and due date of September 30, 2022, per Change Package M-45-11-04.

M-045-15D, Embedded Milestone, if appropriate, DOE will request an exception to waste retrieval criteria pursuant to Agreement Appendix H, Due: September 30, 2022, Status: On schedule. Updated with Tank A-103 and due date of September 30, 2022, per Change Package M-45-11-04.

Significant Past Accomplishments:

- Change Package M-45-11-04 was signed by ORP and Ecology on April 19, 2011.

No significant planned activities in the next 6 months and no issues for Tank 241-A-103.

Tank 241-S-112

M-045-13, Interim Completion of Tank S-112 SST Waste Retrieval and Closure Demonstration Project, Due: To be determined (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: To be determined, Status: On schedule as part of M-045-84 or M-045-85.

Significant Past Accomplishments:

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

No significant planned activities in the next 6 months and no issues for Tank 241-S-112.

Agenda
September 8, 2015
Office of River Protection Quarterly Milestone Review Meeting
 Federal Building, Conference Room 152
Chairperson: Jane Hedges

| Topic | Leads | Time |
|--|---|-------|
| Administrative Items / Milestone Status / ORP Key Documents List | Bryan Trimberger / Dan McDonald / Jeff Lyon | 8:30 |
| System Plan; M-62-40 | Dabrisha Smith / Jeff Lyon / Dan McDonald | 8:35 |
| Acquisition of New Facilities; M-90-00; M-47-00 | Janet Diediker / Jeff Lyon / Dan McDonald | 8:40 |
| Supplemental Treatment and Part B Permit Applications; M-62-00, -20, -30, -45 | Steve Pfaff / Jeff Lyon / Dan McDonald | 8:45 |
| 242-A Evaporator Status | Paul Hernandez / Jeff Lyon | 8:50 |
| SST Integrity Assurance; M-45-91, Double Shell Tank System Update | Jeremy Johnson / Jeff Lyon | 8:55 |
| In Tank Characterization and Summary | Billie Mauss / Michael Barnes | 9:00 |
| Tank Operations Contract (TOC) Overview | ORP Project Leads / Jeff Lyon | 9:05 |
| Single-Shell Tank Corrective Action; M-45, -50, -60 | Chris Kemp / Jeff Lyon | 9:10 |
| Single-Shell Retrieval and Closure Program TPA Milestones Status; M-45-00 series, - Tank in Appendix H Status - Tanks with Individual Milestones SST Retrieval and Closure CD Milestones and TWRWP Status; D-00B series | Chris Kemp / Jeff Lyon | 9:15 |
| WTP Overall TPA and CD Summary and Milestones Status; M-62-01; M-62-49; D-00A-01, -06, -17 | Joni Grindstaff / Dan McDonald | 9:20 |
| WTP Pretreatment (PT) Facility; D-00A-13, -14, -15, -16, -19 | Joni Grindstaff / Dan McDonald | |
| WTP High-Level Waste (HLW) Facility; D-00A-02, -03, -04, -21 | Joni Grindstaff / Dan McDonald | |
| WTP Low-Activity Waste (LAW) Facility; D-00A-07, -08, -09 | Joni Grindstaff / Dan McDonald | |
| WTP Analytical Laboratory (LAB); D-00A-05 | | |
| WTP Balance of Facilities (BOF); D-00A-12 | | 10:00 |

WORKING ORP Key Documents List – July 2015

| Milestone Title | Milestone Tie | Document | TPA Milestone Due Date (if applicable) ¹ | ORP Delivery to Regulators Date ² | Anticipated Regulatory Review Completion Date ³ | Final Completion Date ⁴ | DOE-ORP Lead | Contractor Lead | Ecology Lead | Comments/Issues |
|--|--|---|--|--|--|------------------------------------|--------------|-----------------|--------------|--|
| Submit to Ecology, in accordance with HFFACO secondary document review process, a phase 2 RCRA Facility Investigation (RFI) report Draft A for WMA C. | Supports M-045-61A | WMA-C PA Initial Document | | 09/30/2016 | | | C. Kemp | S. Eberlein | J. Lyon | <ul style="list-style-type: none"> • Feeds input for M-045-61A and all Closure Plans |
| | M-045-61 | Phase 2 Draft A RFI Report for WMA C | 12/31/14 | 12/31/14 | | | C. Kemp | S. Eberlein | J. Lyon | <ul style="list-style-type: none"> • TPA Change Package M-45-14-03 signed on 10/01/14 split up the WMA C RFI and CMS into separate deliverables. • New M-045-61 Complete |
| Submit to Ecology, as a primary document, a Phase 2 Corrective Measures Study (CMS), and Revision 0 update to the RFI Report for WMA C | M-045-61A | Phase 2 CMS and Revision 0 of RFI for WMA C | 12/31/16 | | | | | | | <ul style="list-style-type: none"> • TPA Change Package M-45-14-03 signed on 10/01/14 split up the WMA C RFI and CMS into separate deliverables. |
| Submit to Ecology for Review and Approval as an Agreement Primary Document, a Phase 2 Corrective Measures Implementation Work Plan for WMA-C. | M-045-62 | Phase 2 Corrective Measures Implementation Work Plan for WMA-C | Six (6) months after the approval of the CMS submitted under milestone M-045-61A | TBD | | | C. Kemp | S. Eberlein | J. Lyon | <ul style="list-style-type: none"> • Reported as To Be Missed in the March 2013 TPA PMM. Discussions ongoing at the PM level. • TPA Change Package M-45-15-02 signed on 04/14/15 modifies the due date to Six (6) months after the approval of the CMS submitted under milestone M-045-61A |
| Prior to beginning construction & at least one year before construction is to be complete, DOE will submit to Ecology a final design & monitoring plan for each interim barrier. | M-045-920 | Future Barrier Design 3 | 06/30/15 | TBD | | | C. Kemp | S. Eberlein | J. Lyon | <ul style="list-style-type: none"> • ORP/ECY TPA Change Package M-45-12-04 modified this to a due date of 06/30/15. • TPA Change Package M-045-15-01 is in dispute, per letter 15-TF-0042 |
| | M-045-92P | Future Barrier Design 4 | 06/30/16 | TBD | | | C. Kemp | S. Eberlein | J. Lyon | <ul style="list-style-type: none"> • ORP/ECY TPA Change Package M-45-12-04 modified this to a due date of 06/30/16. • TPA Change Package M-045-15-01 is in dispute, per letter 15-TF-0042 |
| M-045-91 Interim Milestones and Target Dates for SST Integrity Implementing the Expert Panel's Recommendations | M-045-91F-T04 | Provide Report on 100-Series SSTs as having Leaked in RPP-32681 | 12/26/14 | 12/26/14 | | | J. Johnson | R. Gregory | J. Lyon | |
| | M-045-91G-T04 | Provide AOR Final Doc. for SSTS on 55,000 Gallon Tanks | 01/30/15 | 01/30/15 | | | J. Johnson | R. Gregory | J. Lyon | |
| | M-045-91B-T01 | Provide Ecology report on the Concrete Core from TankA-106 or alt | 01/31/15 | 01/31/15 | | | J. Johnson | R. Gregory | J. Lyon | |
| | M-045-91F-T02 | Provide Report of Liner Failures for SSTS | 03/31/15 | 03/31/15 | | | J. Johnson | R. Gregory | J. Lyon | |
| | M-045-91F | Provide Summary Conclusions Report on Leak Integrity | 06/30/15 | 06/30/15 | | | J. Johnson | R. Gregory | J. Lyon | |
| | M-045-91G | Provide Summary Conclusions Report of AOR for SSTS | 07/28/15 | 07/28/15 | | | J. Johnson | R. Gregory | J. Lyon | |
| | M-045-91H | Submit Change Pckg (if necessary) to est. Additional Milestones | 07/31/15 | 07/31/15 | | | J. Johnson | R. Gregory | J. Lyon | |
| M-045-91I | Provide IQRPE Certification of SSTS Structural Integrity | 09/30/18 | 09/30/18 | | | J. Johnson | R. Gregory | J. Lyon | | |
| Complete final design and submit RCRA Part B Permit Modification Request | M-062-31-T01 | RCRA Part B Permit Modification--Final Design | 04/30/16 | 04/30/16 | | | S. Pfaff | | D. McDonald | |

¹ "TPA Milestone Due Dates" are the direct regulatory drivers for completion of milestones.

² "ORP Delivery to Regulators Dates" are those dates that support future milestones, are submittal dates for permitting activities, or miscellaneous submittals that support ORP actions and represent the dates when ORP submits documents to the regulators. ORP Delivery to Regulators Dates may be earlier than TPA Milestone Due Dates if work is completed ahead of schedule.

³ The "Anticipated Regulatory Review Completion Date" is generated based on TPA Milestone Agreements and TPA Section 9.0 documentation requirements for primary documents. This date will be changed and noted in "Comments/Issues" if extension of review is requested. If the document is a secondary document or for information only, the "Anticipated Regulatory Review Completion Date" may be listed as "N/A" for not applicable.

⁴ "Final Completion Date" is entered after the document is reviewed, comments are incorporated, and any disputes are resolved. Any comment resolution issues or disputes will be noted under "Comments/Issues."

Bold red = DOE submittal within the next 90 days **Bold green** = document is under initial ECY Regulatory Review **Bold black** = document under comment/review response or other actions **Bold blue** = document is completed

WORKING ORP Key Documents List – July 2015

| Topic Areas | Document | ORP Delivery to Regulators Date ¹ | Anticipated Regulatory Review Completion Date ² | Final Completion Date ³ | DOE-ORP Lead | Contractor Lead | Regulator Lead | Comments/Issues |
|------------------|--|--|--|------------------------------------|---------------|-----------------|----------------|---|
| PERMIT DOCUMENTS | Tier 1 Framework Closure Plan Update | 09/30/15 | 09/30/2015 | | C. Kemp | P. Rutland | J. Lyon | <ul style="list-style-type: none"> Tier 1, 2, 3 Submittal is associated with M-045-82, due 09/30/2015. This MS was reported as To Be Missed in the March 2013 TPA PMM. Discussions ongoing at the PM level. ORP submitted TPA Change Package M-45-15-03 for approval on June 30, 2015, modifying the dates for the Tier 2 and 3 closure plans |
| | Tier 2 WMA-C Closure Plan | TBD | | | C. Kemp | P. Rutland | J. Lyon | <ul style="list-style-type: none"> ORP submitted TPA Change Package M-45-15-03 for approval on June 30, 2015, modifying the dates for the Tier 2 and 3 closure plans |
| | All Remaining Closure Plans for WMA-C | 09/30/15 | | | C. Kemp | P. Rutland | J. Lyon | <ul style="list-style-type: none"> ORP submitted TPA Change Package M-45-15-03 for approval on June 30, 2015, modifying the dates for the Tier 2 and 3 closure plans |
| | WMA-C Closure Conceptual Design | TBD | | | C. Kemp | P. Rutland | J. Lyon | |
| | Tier 3 Closure Plans for Tanks Already Received | TBD | | | C. Kemp | P. Rutland | J. Lyon | <ul style="list-style-type: none"> Due 180-day post EIS |
| | Tier 3 Closure Plans for Additional Tanks | 09/30/15 | | | C. Kemp | P. Rutland | J. Lyon | <ul style="list-style-type: none"> Several Dates in out years ORP submitted TPA Change Package M-45-15-03 for approval on June 30, 2015, modifying the dates for the Tier 2 and 3 closure plans |
| | WMA-C Closure Design | TBD | | | C. Kemp | P. Rutland | J. Lyon | <ul style="list-style-type: none"> Final dates not yet determined; provides basis for the Tier 2 Closure Plan |
| | Supplemental Treatment Technology Notice of Construction | TBD | | | L. Huffman | | J. Lyon | |
| | Submit Part B Permit Application for Selected Supplemental Treatment Technology | TBD | | | L. Huffman | | J. Lyon | |
| | Submit Wiped Film Evaporator Class 3 Permit Modification or Part B Permit Application | TBD | | | L. Huffman | | J. Lyon | |
| | IDF Performance Assessment | TBD | | | T. Fletcher | | S. Dahl | |
| OTHER DOCUMENTS | Submit Categorical TOC HIA | TBD | | | | | J. Lyon | |
| | Temporary Waste Transfer Line Management Program Plan (also known as Hose-In-Hose Transfer Lines (HIHTL) Management Plan), RPP-12711 | TBD | | | C. Kemp | | J. Alzheimer | <ul style="list-style-type: none"> To be made into a TPA Primary Document with submittal of revision 7 per a TPA Project Managers Agreement, signed 01/22/2013 |
| | Single-Shell Tank System Leak Detection and Monitoring Functions and Requirements Document, RPP-9937 | TBD | | | J. Johnson | | J. Alzheimer | <ul style="list-style-type: none"> Discussions are underway for a number of revisions to this document |
| | WMA Quarterly Groundwater Reports | Ongoing Quarterly | | | D. Hildebrand | | J. Lyon | <ul style="list-style-type: none"> Ecology SST counterparts have been added to this distribution list as of March 2013 ORP continues to provide reports to Ecology |

AOR = Analysis of Record
 DOE = U.S. Department of Energy.
 Ecology = Washington State Department of Ecology.
 EIS = environmental impact statement.
 N/A = not applicable.
 ORP = U.S. Department of Energy, Office of River Protection.
 PM = project manager.
 PMM = project manager's meeting.

RCRA = Resource Conservation and Recovery Act.
 RDR = Retrieval Data Report
 RFI/CMS = RCRA Facility Investigation/Corrective Measures Study.
 SST = single-shell tank.
 TBD = to be determined.
 TPA = Tri-Party Agreement.
 WMA-C = Waste Management Area C.
 WRPS = Washington River Protection Solutions LLC.

¹ Note: "ORP Delivery to Regulators Dates" are those dates that support future milestones, are submittal dates for permitting activities, or miscellaneous submittals that support ORP actions and represent the dates when ORP submits documents to the regulators.

² Note: The "Anticipated Regulatory Review Completion Date" is generated based on TPA Milestone Agreements and TPA Section 9.0 documentation requirements for primary documents. This date will be changed and noted in "Comments/Issues" if extension of review is requested. If the document is a secondary document or for information only, the "Anticipated Regulatory Review Completion Date" may be listed as "N/A" for not applicable.

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Bold red = DOE submittal within the next 90 days **Bold green** = document is under initial ECY Regulatory Review **Bold black** = document under comment/review response or other actions **Bold blue** = document is completed

ORP/Ecology TPA and CD Agreements, Issues, and Action Items – August 2015

Agreements:

1. ORP will continue to meet with ECY to discuss funding and work priorities per TPA Paragraphs 148/149 process.
2. Per an ECY standing request, ORP agrees to include any written directives given by DOE to the contractors for work required by the CD in future Semi-Annual CD Reports (see CD Section IV-C-1-e, page 8).
3. The ORP and ECY PMs have developed, signed, and entered an outline for the CD Tank Completion Certification into the TPA Administrative Record. Senior management will continue to be briefed if any follow-on actions arise.

Issues:

1. Ecology has a concern with WTP data being reported exclusively in the CD Monthly Summary Report as the current CD reporting process does not allot ECY early review time of the CD Monthly Summary Report. ORP and ECY have raised this concern for discussion at the senior management levels.

ORP/Ecology TPA and CD Agreements, Issues, and Action Items – August 2015

Tank Farms Action Items

| # | Action ID | Start Date | Action | Action Status | Updates / Needs for Closure | Actionee(s) | Date Closed |
|---|-------------|------------|--|---------------|--|--------------|-------------|
| 1 | TF-14-06-02 | 06/19/14 | Schedule an oversight opportunity with ORP and ECY for the WMA C PA modeling | Open | Meetings were held on 09/11/14, 10/30/14, and 12/16/14. WMA-C PA workshop held 01/28 and 01/29/15. Additional meetings held 03/10/15, 06/02/15, 06/17/15, and 07/09/15. This action remains open and will continue status on this task in both ORP/ECY bi-weekly and a requested meeting with Whalen/Lyon on calibrating to the low end of the hydraulic conductivity curve. | Kemp / Beach | |

ORP/Ecology TPA and CD Agreements, Issues, and Action Items – August 2015

| Tank Farms Action Items | | | | | | | |
|--------------------------------|------------------|-------------------|---|----------------------|--|--------------------|--------------------|
| # | Action ID | Start Date | Action | Action Status | Updates / Needs for Closure | Actionee(s) | Date Closed |
| 2 | TF-14-02-02 | 02/18/14 | ECY would like a schedule/project management plan (if available) for the closure of WMA C. | Open | Closure contract modification still in progress. The contract pre-negotiation memorandum is with DOE-HQ and contract negotiations will begin. ORP has provided to ECY the sketches and tools available currently. Contract negotiations with WRPS will start with HQ approval of a pre-negotiation memorandum, expected in mid-June. A P4/P5 schedule is being prepared and should be completed within four weeks. | Kemp | |
| 3 | TF-13-12-01 | 12/19/13 | ECY will provide a list of team members and their roles and responsibilities to ORP so that ORP can provide all applicable invitees to future meetings. | Open | | Lyon / McDonald | |

ORP/Ecology TPA and CD Agreements, Issues, and Action Items – August 2015

| Tank Farms Action Items | | | | | | | |
|--------------------------------|------------------|-------------------|---|----------------------|--|-------------------------|--------------------|
| # | Action ID | Start Date | Action | Action Status | Updates / Needs for Closure | Actionee(s) | Date Closed |
| 4 | TF-13-02-03 | 02/21/13 | ECY and ORP will continue to meet at the project manager level to discuss work on the WMA C PA and other options for M-045-82. | Open | ORP and ECY to schedule meeting in early June to discuss options for M-045-82. ECY has a draft TPA change package and commitment from Price/Kemp to meet between TPA PMs in June when Jeff Lyon returns from leave/training. ORP and ECY met on 06/18/15 to discuss draft change control form M-45-15-03 that proposed modifying milestone M-045-82. ORP delivered signed change control form M-45-15-03 to ECY on 06/30/15. | Kemp / Eberlein / Price | |
| 5 | TF-15-03-02 | 03/18/15 | ECY has requested additional data for the next four 242-A Evaporator campaigns (i.e. tank chemistry, estimated volume reductions/goals, specific gravity before and after, etc.). | Open | ORP provided a three-page handout at the June PMM. ECY requested the handout via electronically, and committed to follow up if additional information or meetings are necessary. | Hernandez | |
| 6 | TF-15-03-05 | 03/18/15 | ECY would like to obtain technical white papers supporting LAWPS design. | Open | | Pfaff/ Diediker | |

ORP/Ecology TPA and CD Agreements, Issues, and Action Items – August 2015

| Tank Farms Action Items | | | | | | | |
|--------------------------------|------------------|-------------------|---|----------------------|--|--------------------|--------------------|
| # | Action ID | Start Date | Action | Action Status | Updates / Needs for Closure | Actionee(s) | Date Closed |
| 7 | TF-15-06-01 | 06/15/15 | ECY would like to be included in future LAWPS work discussions and meetings. | Open | | Pfaff/ Diediker | |
| 8 | TF-15-06-02 | 06/15/15 | ECY would like DOE to schedule a discussion on M-045-91E-1 to determine if the milestone needs to be closed and what the alternative reporting method would be. | Open | | Johnson | |
| 9 | TF-15-07-01 | 07/16/15 | ECY requests ORP review TPA paragraph 148 and 149 reporting requirements. | Open | ORP provided ECY with a copy of a 1996 IAMIT agreement "Interim Replacement of Site Management System Report." | Trimberger | |
| 10 | TF-15-07-02 | 07/16/15 | ECY requests a schedule for M-045-83. | Open | | Kemp | |

ORP/Ecology TPA and CD Agreements, Issues, and Action Items – August 2015

| WTP Action Items | | | | | | | |
|-------------------------|------------------|-------------------|--|----------------------|--|--------------------|--------------------|
| # | Action ID | Start Date | Action | Action Status | Updates / Needs for Closure | Actionee(s) | Date Closed |
| 1 | WTP-14-10-01 | 10/23/14 | ECY requests information on DOE's plans and timeline for the LAW (replacement) melter assembly building. | Open | | Wendell Wrzesinski | |
| 2 | WTP-14-10-02 | 10/23/14 | ECY would like to know what the plans are for operating BOF in support of DFLAW and then transitioning into full WTP operations. | Open | This issue is impacted by the ongoing CD judicial process. | Jason Young | |
| 3 | WTP-14-10-03 | 10/23/14 | ECY and ORP need to discuss how to document LAB substantially complete milestone after completion of RLD vessel repairs. | Open | This issue is impacted by the ongoing CD judicial process. | Jason Young | |
| 4 | WTP-14-10-04 | 10/23/14 | ECY requests a status update to include a schedule on the 8 technical team issues for HLW and PT. | Open | Completed for HLW. This issue is impacted by the ongoing CD judicial process. | Dan Knight | |
| 5 | WTP-14-10-05 | 10/23/14 | ECY requests on update on the details of the 2-year work plan for HLW and PT. | Open | Completed for HLW. This issue is impacted by the ongoing CD judicial process. | Dan Knight | |
| 6 | WTP-14-06-02 | 06/19/14 | ECY requests that DOE provide a presentation on how DOE incorporates, vets, and considers all technical issues (including the Safety Design Strategy). | Open | | Joni Grindstaff | |
| 7 | WTP-14-06-03 | 06/19/14 | ECY requests a briefing on the LAW Design and Operability review before the September timeframe. | Open | The Design and Operability Review Report is with the contractor for factual accuracy review. ORP will schedule a briefing once the report is issued. | Jeff Bruggeman | |

ORP/Ecology TPA and CD Agreements, Issues, and Action Items – August 2015

| WTP Action Items | | | | | | | |
|-------------------------|------------------|-------------------|--|----------------------|---|--------------------|--------------------|
| # | Action ID | Start Date | Action | Action Status | Updates / Needs for Closure | Actionee(s) | Date Closed |
| 8 | WTP-14-04-01 | 04/22/14 | ORP and ECY have a placeholder action to hold a comprehensive briefing/discussion on the PT efforts. | Open | | Joni Grindstaff | |
| 9 | WTP-15-01-01 | 1/22/15 | ECY requests a presentation on SHSVD to include impacts and optimization in planning area 2, 3, and 4. | Open | Impacts will be better understood in September with issuance of design studies. | Dan Knight | |
| 10 | WTP-15-01-03 | 1/22/15 | ECY requests a technical update on the LAB RLD vessels | Open | | Jason Young | |
| 11 | WTP-15-06-01 | 06/15/15 | ORP took an action to provide ECY a copy of the corrosion simulant basis document. | Open | | Dan Knight | |
| 12 | WTP-15-06-02 | 06/15/15 | ECY would like to understand how the bounding conditions for the HEPA filters were identified. | Open | | Wahed Abdul | |