FINAL

Office of River Protection
Consent Decree 08-5085-FVS

Monthly Summary Report

December 2014

Office of River Protection

Consent Decree 08-5085-FVS
Monthly Summary Report

December 2014 (Monthly Summary Report/Project Earned Value Management System reflects October 2014 information)

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		Ongoing*
D-00B-02	Advise Ecology of the 9 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		Ongoing*
D-00A-19	Complete elevation 98 feet Concrete Floor Slab Placements in PT Facility	12/31/2014		Ongoing*

*** 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.**

DOE = U.S. Department of Energy.
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 2014 Semiannual Report was issued on July 31, 2014, via U.S. Department of Energy (DOE), Office of River Protection Letter 14-ECD-0040."

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	Ongoing*
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, 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:

- C-102 continued retrieval operations
- Initiated field activities for the replacement of the plugged slurry distributor at AN-106
- Continued fabrication of new replacement sluicers for C-111.

Significant Planned Activities in the Next 6 Months:

- Complete retrieval of C-102 using modified sluicing
- 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
- 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	In Process	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.

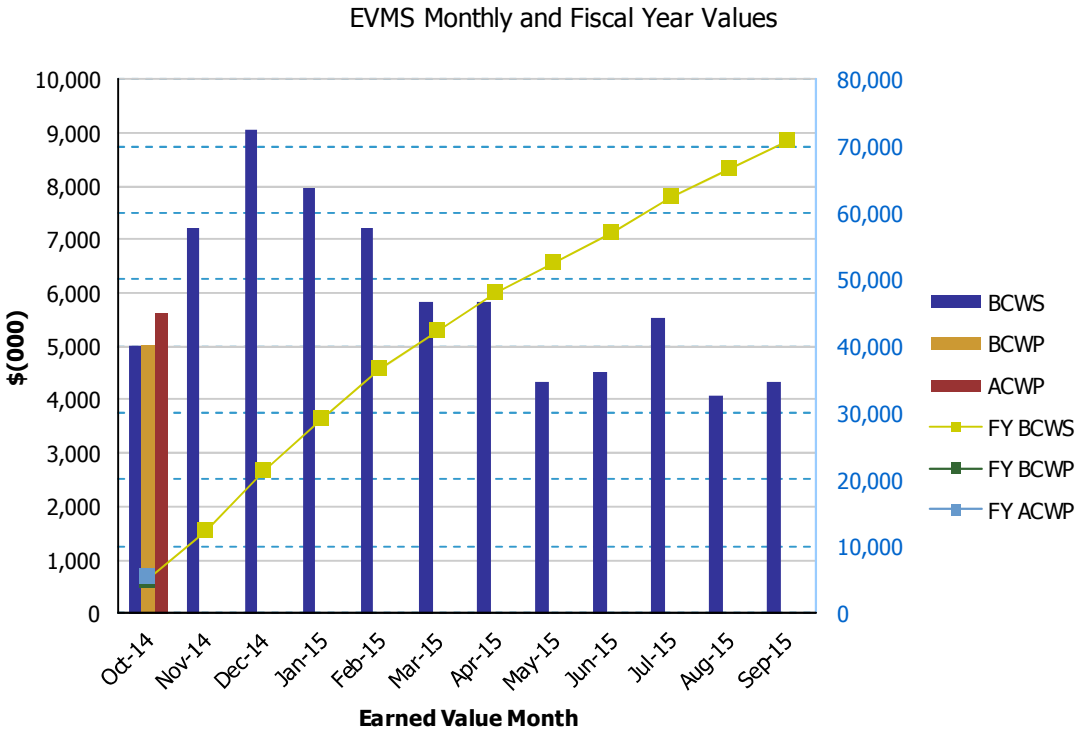
Significant Planned Activities in the Next 6 Months:

None.

Issues:

None.

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



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	$7,212					$12,236				
Dec 2014	$9,069					$21,304				
Jan 2015	$7,970					$29,275				
Feb 2015	$7,208					$36,482				
Mar 2015	$5,831					$42,313				
Apr 2015	$5,829					$48,142				
May 2015	$4,316					$52,458				
Jun 2015	$4,503					$56,961				
Jul 2015	$5,525					$62,486				
Aug 2015	$4,071					$66,558				
Sep 2015	$4,329					$70,887				

CTD	$510,523	$500,428	$514,952	0.98	0.97

Retrieval and Close Single-Shell Tanks

The current month unfavorable cost variance (CV) of ($13k) is within the reporting threshold.

The current month unfavorable schedule variance (SV) of ($598k) is due to nonperformance of Single-Shell Tank C-105 retrieval activities due to the plugged slurry distributor in receiver Tank AN-106 and shutdown of C-105 vacuum retrieval and stepping back and doing a path forward analysis using a systems engineering approach.

Corrective Action: Slurry distributor to be replaced. Complete the systems engineering evaluation for C-105 and startup retrieval using high pressure water and modified sluicing along with potential evaluation of another third retrieval technology method.

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 2,636 full-time equivalent contractor (Bechtel National, Inc. [BNI]) and subcontractor personnel. This includes 592 craft, 394 nonmanual, and 170 subcontractor full-time equivalent personnel working at the WTP construction site (all facilities).

As of October 2014, the combined Low-Activity Waste (LAW) Facility, Analytical Laboratory (LAB), and Balance of Facilities (BOF) (collectively LBL) were 65 percent complete, design and engineering was 79 percent complete, procurement was 83 percent complete, construction was 73 percent complete, and startup and commissioning was 11 percent complete.

In September 2012, the baseline change proposal that implemented the LBL replan was incorporated into the project over-target 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 Pretreatment (PT) and High-Level Waste (HLW) Facilities 2-Year Interim Work Plan was incorporated into the project over-target baseline and the percent-complete values for PT and HLW Facilities were frozen at the September 2012 rate. The WTP Project continues to progress in accordance with the LBL replan and PT/HLW 2-Year Interim Work Plan.

In October 2014, the cumulative to-date WTP Project schedule variance was a negative $54.7 million, and the cumulative to-date WTP Project cost variance was a negative $17.6 million. The major contribution to the cumulative to-date cost and schedule variance is based on the progress of the LBL replan and PT/HLW 2-Year Interim Work Plan.

The following is the project status through the end of October 2014.

Significant Past Accomplishments:

- Finalized technical team strategic plans (PT)
- Installed 13 tons of structural steel – mostly steel to support slabs 4019 and 4020 over the canister handling cave (HLW)
- Completed South wall castable refractory in melters 1 and 2 (LAW)
- Completed lower glass pool refractory build out in melters 1 and 2 (LAW)
- Completed air integrity test of the fire protection sprinkler system (LAB).

Significant Planned Actions in the Next 6 Months:

- Complete modification at Full-Scale Vessel Testing (FSVT) Facility to support Phase 2 testing for the pulse jet mixer (PJM) controls (PT)

- DOE approval of PT Facility Resumption Plan to support DOE authorization to proceed with production engineering (PT)
- Complete the LAW Facility design and operability review (LAW)
- Complete construction of the Analytical Laboratory (LAB)
- Complete construction of the Glass Former Storage Facility (BOF).

Issues:

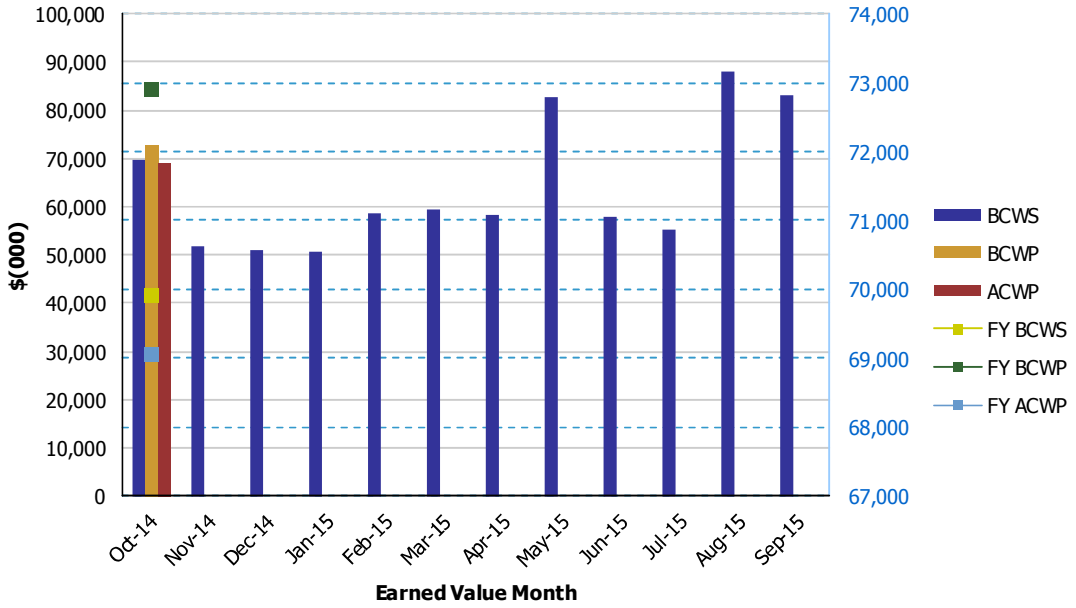
*DOE has notified the State of Washington and State of Oregon that a serious risk has arisen that DOE may be unable to meet this Consent Decree milestone. Technical issues related to WTP include, among others, PJMs, corrosion/erosion in piping and vessels, hydrogen accumulation, criticality, and ventilation.

EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2015 Earned Value Data Data as of: October 2014

River Protection Project
Waste Treatment Plant (WTP) Project

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	$69,893	$72,879	$69,039	1.04	1.06	$69,893	$72,879	$69,039	1.04	1.06
Nov 2014	$51,713									
Dec 2014	$51,124									
Jan 2015	$50,777									
Feb 2015	$58,648									
Mar 2015	$59,518									
Apr 2015	$58,452									
May 2015	$82,721									
Jun 2015	$57,902									
Jul 2015	$55,322									
Aug 2015	$88,069									
Sep 2015	$83,038									

PTD	$8,441,372	$8,448,217	$8,441,824	1.00	1.00

Pretreatment Facility

Number	Title	Due Date	Status
D-00A-19	Complete Elevation 98' Concrete Floor Slab in PT Facility	12/31/2014	Ongoing*
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 PT/HLW 2-Year Interim Work Plan.

Phase 1 of the FSVT 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. 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.

BNI has transmitted the Pretreatment Safety Design Strategy Plan to DOE for review.

Significant Past Accomplishments:

- Continued testing of PJM controls at the FSVT Facility
- Continued conceptual design for a standardized high-solids vessel
- Finalized technical team strategic plans.

Significant Planned Actions in the Next 6 Months:

- DOE approval of the Pretreatment Resumption Plan to support the authorization to proceed with production engineering
- HLW heating, ventilation, and air-conditioning (HVAC) C3V and C5V System Design Description, Rev. A
- Complete modification at FSVT Facility to support Phase 2 testing for the PJM controls
- Finalize test plan, simulant composition, and test instrument list for full-scale vessel mixing tests

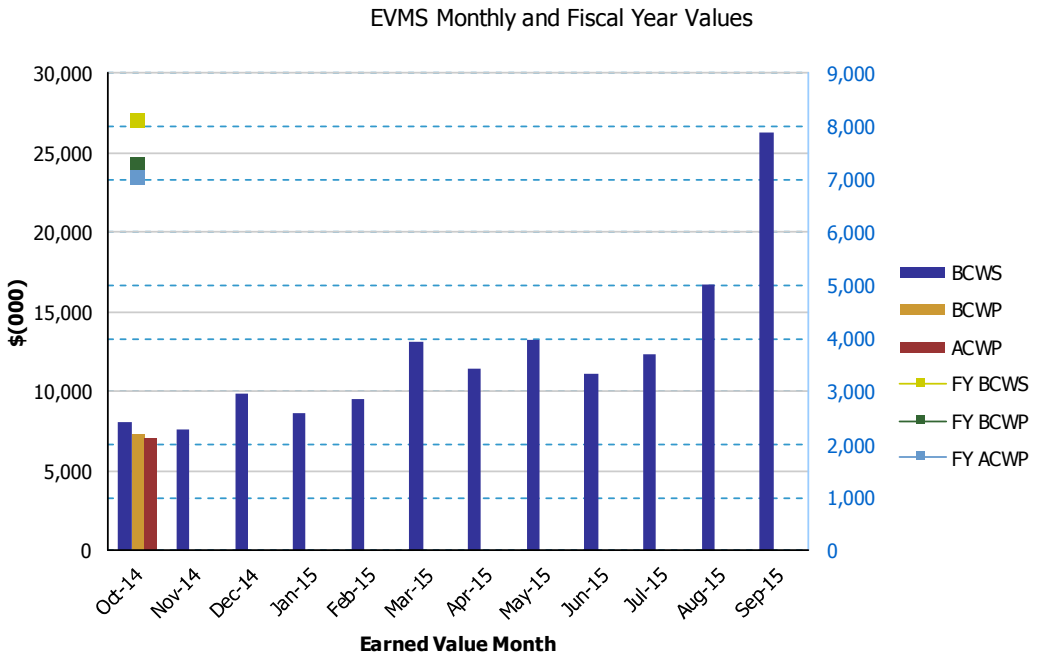
- Complete SHSVD Design Analysis Technical Pre-Qualification
- Define standardized vessel selection criteria in support of vessel mixing resolution
- Start informational testing in 8-ft test vessel for down selection of features pertaining to standardized high-solids vessel design.

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.

Data Set: FY 2015 Earned Value Data Data as of: October 2014

River Protection Project
Pretreatment Facility (WBS 1.01)



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									
Dec 2014	$9,882									
Jan 2015	$8,566									
Feb 2015	$9,549									
Mar 2015	$13,119									
Apr 2015	$11,373									
May 2015	$13,263									
Jun 2015	$11,122									
Jul 2015	$12,320									
Aug 2015	$16,653									
Sep 2015	$26,265									

PTD	$1,614,771	$1,613,904	$1,613,677	1.00	1.00

Mon - SV	Mon - CV
($815)	$235
($867)	$227

FY - SV	FY - CV
($815)	$235

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 shipment 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.

Construction is continuing on concrete placements and installation of support steel and crane rails in the canister handling cave. Testing of high-efficiency particulate air (HEPA) filters at Mississippi State University (MSU) is continuing to select the filters that would meet the design and operations requirements.

BNI is focused on radioactive liquid waste disposal (RLD) system redesign and hazards analysis, engineering studies to develop path forwards for resolution of issues regarding an HVAC system, melter and other solid waste handling system, and development of facility design description and system design descriptions as required by the newly implemented Systems Engineering Management Plan.

Significant Past Accomplishments:

- One concrete placement was made (wall 3123)
- Completed pour of slab (4014)
- Continued testing on HEPA filter at MSU
- Installed 13 tons of structural steel – mostly steel to support slabs 4019 and 4020 over the canister handling cave
- Continued installation of the crane rails in canister handling cave
- Completed RLD Vessel Hazard Analysis.

Significant Planned Actions in the Next 6 Months:

- Issue request for proposal for vendor design of RLD-8 vessel
- Complete glove box 29 and 42 assembly/fabrication for auto samplers
- Complete draft analysis of single-point failures in support of failure mode analysis

- Perform HEPA filter qualification testing at MSU
- Continue activities to support the RLD system redesign
- Process Safety Basis Change Package for RLD system to support procurement
- Start mold remediation.

Issues:

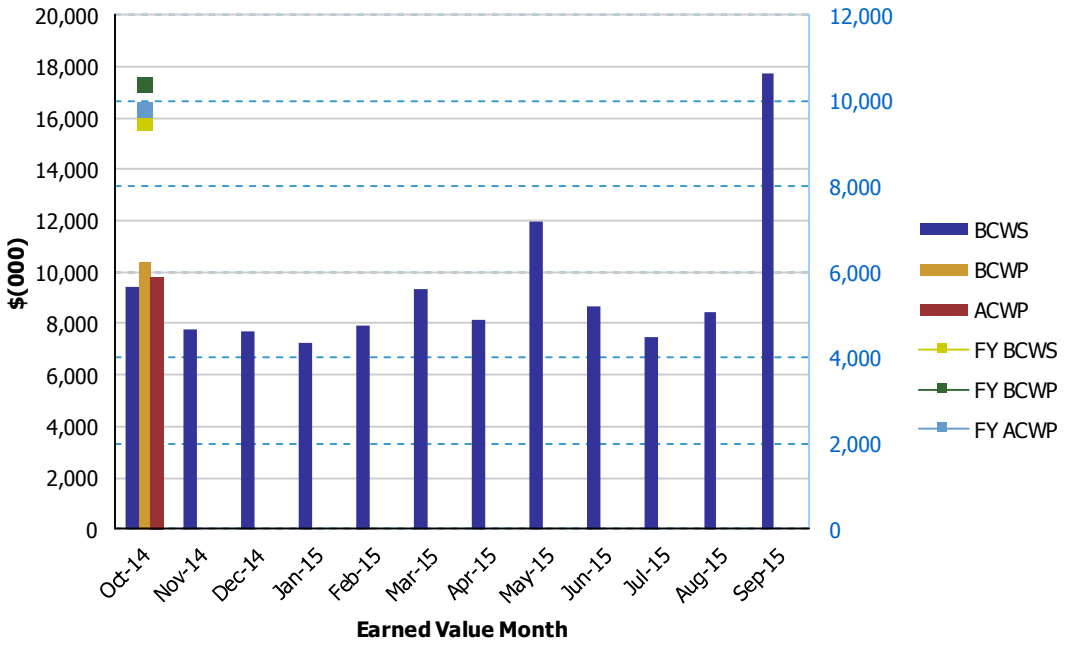
*DOE has notified the State of Washington and State of Oregon that a serious risk has arisen that DOE may be unable to meet this Consent Decree milestone. Technical issues related to the WTP include, among others, PJMs, corrosion/erosion in piping and vessels, hydrogen accumulation, criticality, and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

EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2015 Earned Value Data Data as of: October 2014

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									
Dec 2014	$7,717									
Jan 2015	$7,257									
Feb 2015	$7,935									
Mar 2015	$9,349									
Apr 2015	$8,158									
May 2015	$11,986									
Jun 2015	$8,694									
Jul 2015	$7,487									
Aug 2015	$8,426									
Sep 2015	$17,721									
PTD	$1,063,562	$1,064,739	$1,063,845	1.00	1.00					

Mon - SV	Mon - CV
$918	$584
$1,177	$894

FY - SV	FY - CV
$918	$584

Low-Activity Waste Facility

Number	Title	Due Date	Status
D-00A-07	LAW Facility Construction Substantially Complete	12/31/2014	Ongoing*
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 the 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 October 2014, the LAW Facility was 66 percent complete overall, with engineering design 77 percent complete, procurement 76 percent complete, construction 75 percent complete, and startup and commissioning 7 percent complete.

Significant Past Accomplishments:

- Completed south wall castable refractory in melters 1 and 2
- Completed lower glass pool refractory build out in melters 1 and 2
- Installed over 1,840 linear feet of conduit and pulled approximately 16,490 linear feet of cable
- Installed over 450 linear feet of process piping and hydro-tested 10,120 linear feet of facility piping
- Received 50 LAW tags (i.e., pressure transmitters, racks, expansion joints restriction orifices, and control valves).

Significant Planned Actions in the Next 6 Months:

- Complete subcontractor work scope in the annex
- Award the purchase order for the active gas analyzers
- Complete the LAW Facility design and operability review
- Complete castable refractory installation in the melters.

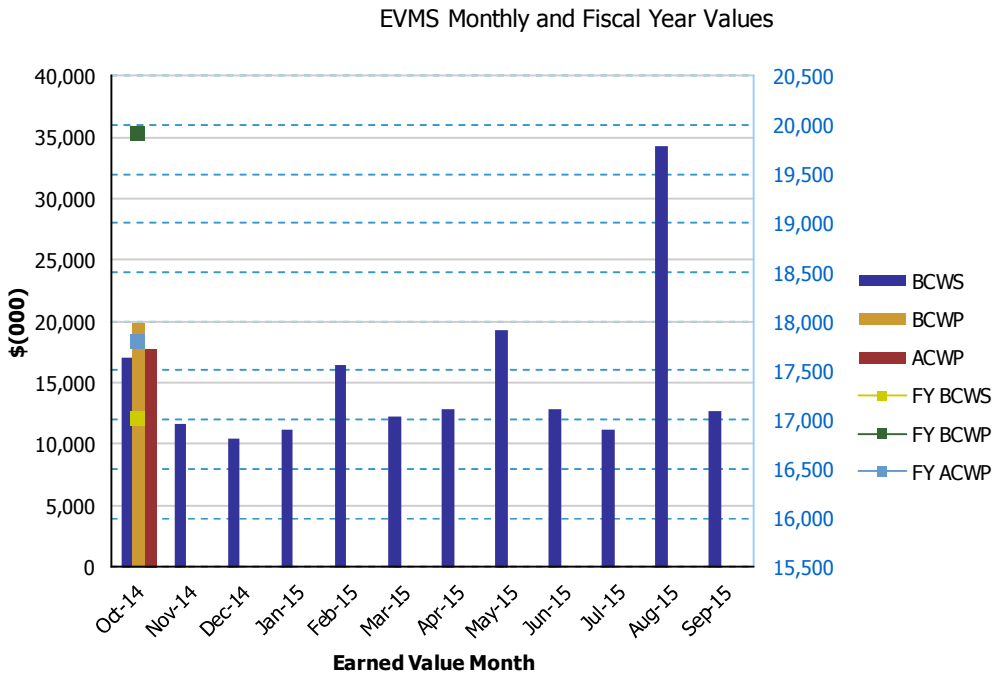
Issues:

*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: October 2014

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



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									
Dec 2014	$10,483									
Jan 2015	$11,190									
Feb 2015	$16,409									
Mar 2015	$12,294									
Apr 2015	$12,797									
May 2015	$19,337									
Jun 2015	$12,794									
Jul 2015	$11,146									
Aug 2015	$34,250									
Sep 2015	$12,635									

PTD	$991,189	$996,897	$995,949	1.01	1.00

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 October 2014, BOF was 56 percent complete overall, with engineering design 74 percent complete, procurement 67 percent complete, construction 81 percent complete, and startup and commissioning 12 percent complete.

Commercial grade dedication activities in support of the emergency turbine generator procurement are the primary focus for the quality, design engineering, and procurement organizations. Construction efforts are focused on completion of the Glass Former Facility and construction of the Standby Diesel Generator Facility. BNI is initiating design activities to incorporate a permanent capability to directly feed LAW.

Significant Past Accomplishments:

- Completed 5,900 linear feet of cable and 650 linear feet of conduit
- Completed 480 linear feet of utility rack and 120 linear feet of Chiller Compressor Building insulation (subcontractor DKB)
- Completed touch-up in Chiller Compressor Building (subcontractor FD Thomas).

Significant Planned Actions in the Next 6 Months:

- Complete construction of the Glass Former Storage Facility
- Receive the replacement nonradioactive liquid waste disposal system motor control panel
- Complete component testing of the low-voltage, medium-voltage, and fire detection systems for switchgear Buildings 87 and 91.

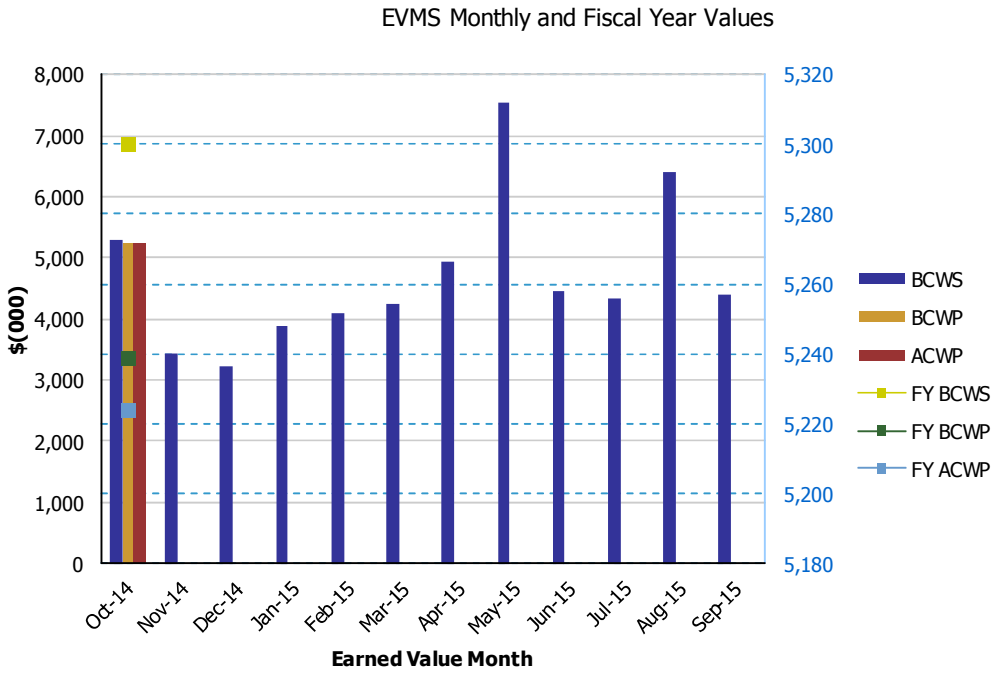
Issues:

No major issues at this time.

EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2015 Earned Value Data Data as of: October 2014

River Protection Project
Balance of Facilities (WBS 1.05)



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									
Dec 2014	$3,240									
Jan 2015	$3,900									
Feb 2015	$4,085									
Mar 2015	$4,233									
Apr 2015	$4,945									
May 2015	$7,550									
Jun 2015	$4,458									
Jul 2015	$4,347									
Aug 2015	$6,414									
Sep 2015	$4,410									
PTD	$351,966	$352,336	$352,354	1.00	1.00					

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 October 2014, the LAB was 73 percent complete overall, with engineering design 80 percent complete, procurement 87 percent complete, construction 92 percent complete, and startup and commissioning 19 percent complete.

Engineering efforts are focused on closure of nonconformance reports and construction deficiency reports. In addition engineering is supporting completion of construction punchlist items. Construction efforts are focused on installation of remaining electrical commodities and penetration seals to support the completion of LAB construction.

Significant Past Accomplishments:

- Continued cable pulls and terminations (930 linear feet in October – 86% complete)
- Continued installation of conduit (320 linear feet in October – 99% complete)
- Completed pipe closure welds and pipe support installation post vessel repairs
- Completed air integrity test of the fire protection sprinkler system (subcontractor Patriot).

Significant Planned Actions in the Next 6 Months:

- Complete electrical commodity installation
- Complete penetration seal installation
- Initiate component level testing of select LAB systems.

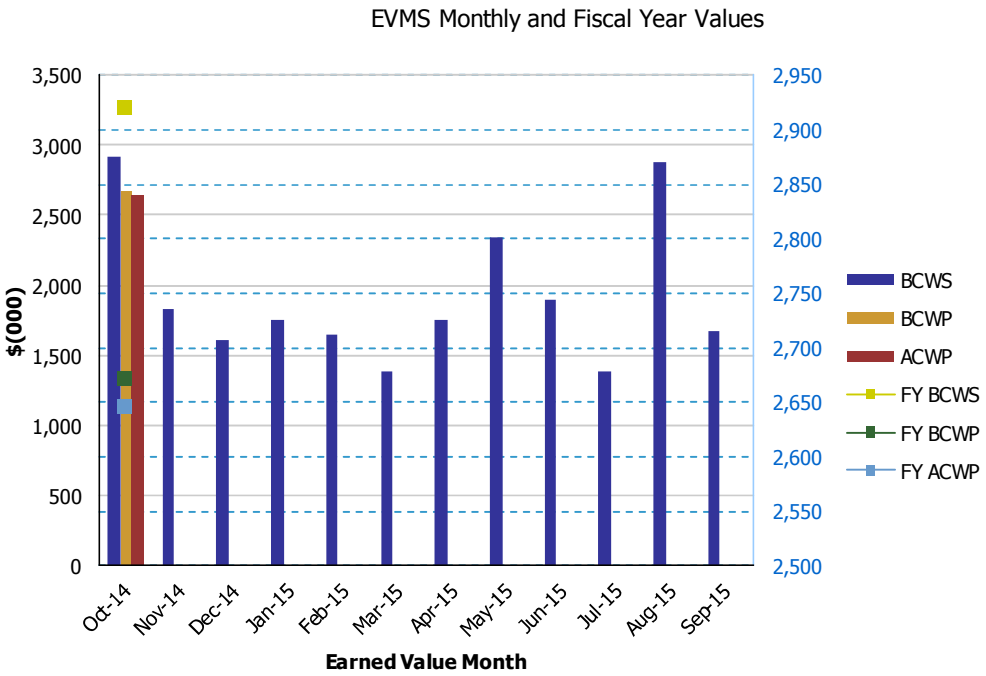
Issues:

No major issues at this time.

EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2015 Earned Value Data Data as of: October 2014

River Protection Project
Analytical Laboratory (WBS 1.06)



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									
Dec 2014	$1,614									
Jan 2015	$1,757									
Feb 2015	$1,647									
Mar 2015	$1,392									
Apr 2015	$1,758									
May 2015	$2,341									
Jun 2015	$1,902									
Jul 2015	$1,388									
Aug 2015	$2,879									
Sep 2015	$1,676									

PTD	$285,435	$285,601	$285,774	1.00	1.00

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

Through October 2014

(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		
Facilities	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete
Low-Activity Waste	1,508.6	996.9	66%	411.0	316.0	77%	315.2	239.7	76%	566.2	423.0	75%	212.3	14.3	7%	4.0	4.0	100%
Balance of Facilities	625.5	352.3	56%	122.5	91.1	74%	77.4	51.9	67%	228.4	185.6	81%	196.8	23.3	12%	0.5	0.5	100%
Analytical Lab	388.9	285.6	73%	89.7	71.3	80%	63.3	55.0	87%	156.1	143.6	92%	79.3	15.2	19%	0.4	0.4	100%
Direct Feed LAW	0.8	0.1	17%	0.6	0.1	10%	0.04	0.02	60%	0.0	0.0	0%	0.0	0.0	0%	0.1	0.05	44%
LBL Facility Services	93.6	5.3	6%	0.0	0.0	0%	20.3	1.1	6%	0.0	0.0	0%	31.3	1.7	5%	42.0	2.50	6%
Total LBL	**2,617.3**	**1,640.3**	**63%**	**623.8**	**478.4**	**77%**	**476.1**	**347.8**	**73%**	**950.6**	**752.2**	**79%**	**519.8**	**54.5**	**10%**	**47.0**	**7.4**	**16%**
Project Services	401.7	30.1	7%	45.6	2.7	6%	37.9	2.0	5%	123.9	11.9	10%	3.0	0.9	29%	191.3	12.5	7%
Total Project Services	**401.7**	**30.1**	**7%**	**45.6**	**2.7**	**6%**	**37.9**	**2.0**	**5%**	**123.9**	**11.9**	**10%**	**3.0**	**0.9**	**29%**	**191.3**	**12.5**	**7%**
Total LBL & Project Services	**3,019.0**	**1,670.4**	**55%**	**669.4**	**481.1**	**72%**	**514.1**	**349.8**	**68%**	**1,074.5**	**764.1**	**71%**	**522.8**	**55.4**	**11%**	**238.3**	**20.0**	**8%**
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%	n/a	n/a	n/a
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%**	**n/a**	**n/a**	**n/a**
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	**11,741.8**	**7,635.6**	**65%**	**2,842.5**	**2,430.0**	**85%**	**2,079.6**	**1,474.6**	**71%**	**3,962.1**	**2,528.9**	**64%**	**1,281.3**	**198.6**	**15%**	**238.3**	**20.0**	**8%**

Source: Preliminary WTP Contract Performance Report - Format 1, Data for September 2014

***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 faculties 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.*