U.S. Department of Energy, Hanford Field Office

Tri-Party Agreement Report Monthly Reporting Period August 1−August 31, 2026[1]

[1] The narrative descriptions of progress in this report cover the reporting period. Information outside the reporting period may also be included for purposes of providing continuity or useful context. Information may be repeated in multiple sections of this report for continuity and clarity. Earned value management system data and descriptions cover the period through July 2026.

Topic **Page**

ACRONYMS AND ABBREVIATIONS ii
ADMINISTRATIVE ITEMS/MILESTONE STATUS 1
222-S LABORATORY 4
SYSTEM PLAN 5
ACQUISITION OF NEW FACILITIES 6
ALTERNATIVE TREATMENT FOR 200 WEST AREA 7
SUPPLEMENTAL TREATMENT AND RESOURCE CONSERVATION AND RECOVERY ACT PART B PERMIT APPLICATIONS 9
WASTE TREATMENT AND IMMOBILIZATION PLANT OPERATIONS 10
LOW-ACTIVITY WASTE PRETREATMENT SYSTEM 11
TANK-SIDE CESIUM REMOVAL SYSTEM 13
242-A EVAPORATOR STATUS 15
LIQUID EFFLUENT RETENTION FACILITY AND 200 AREA EFFLUENT TREATMENT FACILITY 16
TANK SYSTEM UPDATE 18
INDEPENDENT QUALIFIED REGISTERED PROFESSIONAL ENGINEER ACTIVITIES 20
IN-TANK CHARACTERIZATION AND SUMMARY 22
SINGLE-SHELL TANK CLOSURE PROGRAM 24
SINGLE-SHELL TANK RETRIEVAL PROGRAM 29
INTEGRATED TANK DISPOSITION CONTRACT OVERVIEW 33
ADMINISTRATIVE RECORD METADATA 43

ACRONYMS AND ABBREVIATIONS

AMPS	Advanced Modular Pretreatment System Project
CCF	change control form
CMS	corrective measures study
CV	cost variance
DFLAW	direct-feed low-activity waste
DOE	U.S. Department of Energy
DST	double-shell tank
EC	evaporator campaign
EPA	U.S. Environmental Protection Agency
ETF	Effluent Treatment Facility
FY	fiscal year
Ecology	Washington State Department of Ecology
HFO	U.S. Department of Energy, Hanford Field Office
IQRPE	independent qualified registered professional engineer
ITDC	*Integrated Tank Disposal Contract*
RCRA	*Resource Conservation and Recovery Act of 1976*
RFI	*Resource Conservation and Recovery Act of 1976* facility investigation
SST	single-shell tank
SV	schedule variance
TPA	Tri-Party Agreement (officially the *Hanford Federal Facility Agreement and Consent Order*)
TSCR	tank-side cesium removal
WARM	West Area Risk Management Project
WMA	Waste Management Area
WTP	Waste Treatment and Immobilization Plant

ADMINISTRATIVE ITEMS/MILESTONE STATUS

Milestone	Title	Due Date	DOE PM	Completion Date	Status
Fiscal Year 2026 (October 1, 2025 – September 30, 2026)					
M-062-40K	Select a Minimum of 3 Scenarios	11/30/2025	R. Bang	11/25/2025	Complete
M-045-108	Submit RCRA Tier 3 Component Closure Plan for the 241-C-301 Catch Tank	11/30/2025	R. Bang	10/22/2025	Complete
M-045-112	Submit Integration Study for WMA U	12/31/2025	R. Bang	10/22/2025	Complete
M-045-118	Submit Integration Study for WMA S-SX	12/31/2025	R. Bang	10/22/2025	Complete
M-062-01AZ	Submit Semi-Annual Project Compliance Report to Ecology	01/31/2026	R. Bang	01/30/2026	Complete
M-062-60	Submit Disposition Pathways Evaluation for Spent IX Columns as Primary Document to Ecology	06/30/2026	R. Bang	06/25/2026	Complete
M-062-64	Make Alternative Selection for Facilities/Infrastructure for Off-Site Disposal of Low-Activity Waste	07/01/2026	R. Bang	06/29/2026	Complete
M-045-56V	Ecology and DOE Agree, at a Minimum, to Meet Yearly (by July 2026)	07/31/2026	R. Bang	07/30/2026	Complete
M-062-01BA	Submit Semi-Annual Project Compliance Report to Ecology	07/31/2026	R. Bang	06/25/2026	Complete
M-062-56	Submit Permit Application for Design and Construction of the LAWP Capability	08/31/2026	R. Bang	08/12/2026	Complete
M-045-103	Submit to Ecology a PMR with Tier 2 RCRA Closure Plan for WMA A/AX and Schedule for Tier 3 Schedule	09/30/2026	R. Bang	07/22/2026	Complete
Fiscal Year 2027 (October 1, 2026 – September 30, 2027)					
M-045-86N	Submit Retrieval Data Report for Tank AX-101 to Ecology	10/14/2026	R. Bang	05/14/2026	Complete

Milestone	Title	Due Date	DOE PM	Completion Date	Status
M-045-92AJ	Submit Yearly Reports Summarizing the Results of Maintenance and Performance Monitoring Activities	10/31/2026	R. Bang	07/13/2026	Complete
M-042-10	Complete Tank Integrity Examination of DST Components to Assess Integrity	12/31/2026	R. Bang	-	On Schedule
M-045-109	Submit RCRA Tier 3 Component Closure Plan for All Remaining WMA C Ancillary Equipment	12/31/2026	R. Bang	08/04/2026	Complete
M-062-40L	Submit System Plan to Ecology	12/31/2026	R. Bang	-	On Schedule
M-062-65	Submit Critical Path Schedule for Off-Site Disposal of Low-Activity Waste from 200 West Area SSTs	12/31/2026	R. Bang	-	On Schedule
M-062-01BB	Submit Semi-Annual Project Compliance Report to Ecology	01/31/2027	R. Bang	-	On Schedule
M-026-07E	Evaluation of Tritium Treatment Technology to EPA & Ecology	03/31/2027	R. Bang	-	On Schedule
M-062-47	Negotiate Tank Waste Retrieval Sequencing and Milestones	04/30/2027	R. Bang	-	On Schedule
M-062-66	Complete Negotiations to Establish New Milestones for Off-Site Disposal of Low-Activity Waste	06/30/2027	R. Bang	-	On Schedule
M-045-56W	Ecology and DOE Agree, at a Minimum, to Meet Yearly (by July 2027)	07/31/2027	R. Bang	-	On Schedule

Milestone	Title	Due Date	DOE PM	Completion Date	Status
M-062-01BC	Submit Semi-Annual Project Compliance Report to Ecology	07/31/2027	R. Bang	-	On Schedule
M-045-91E7	Provide SST Farms Dome Deflection Surveys Every 2 Years to Ecology	09/30/2027	R. Bang	-	On Schedule
M-062-68	Complete the Necessary Removal of the DST 241-SY-101 Mixer Pump	09/30/2027	R. Bang	07/14/2026	Complete

DOE = U.S. Department of Energy.
DST = double-shell tank.
Ecology = Washington State Department of Ecology.
EPA = U.S. Environmental Protection Agency.
IX = ion exchange.
LAWP = low-activity waste pretreatment.
PM = project manager.
PMR = permit modification request.
RCRA = *Resource Conservation and Recovery Act*.
SST = single-shell tank.
WMA = Waste Management Area.

222-S LABORATORY

***Tank Waste Operations Assistant Manager*:** Mat Irwin
Technical Lead: Jeff Cheadle
***Washington State Department of Ecology Project Manager*:** Debra Alexander

Significant Past Accomplishments

Facility:

Initiated renovation of room 1GA/GC.

Sample receipts:

- Tank A-102 residual solids grab samples for closure
- Tank AW-102 evaporator feed grab samples.

Final reports:

- Tank AP-101 grab samples for chemistry control
- Tank AP-104 direct-feed low-activity waste (DFLAW) feed characterization
- Tank AP-106 DFLAW post-tank-side cesium removal (TSCR) verification
- Tank AZ-102 solid phase characterization
- S-SX Tank Farm vadose soil characterization, Core D0650.

Significant Planned Activities in the Next Six Months

- Receive and analyze samples from:
  - Tank AP-104 core samples for chemistry control
  - Tank AP-101 grab samples for chemistry control
  - Tank A-106 residual solids grab samples for closure
  - Tank AZ-101 core samples for chemistry control
  - Tank AZ-101 grab samples for chemistry control
- Initiate 222-S Building vacuum system replacements
- Relocate and construct Laboratory Operations Center
- Transfer 219-S Tank 102 to Tank SY-101.

Issues

None.

SYSTEM PLAN

***Tank Waste Operations Assistant Manager*:** Mat Irwin
***Technical Lead*:** Emily Millikin
***Washington State Department of Ecology Project Manager*:** Dan McDonald, Amie Green

M-062-40K **Select a Minimum of 3 Scenarios**
Due: November 30, 2025
Status: Complete

M-062-40L **Submit System Plan to Ecology**
Due: December 31, 2026
Status: On Schedule

M-062-47 **Negotiate Tank Waste Retrieval Sequencing and Milestones**
Due: April 30, 2027
Status: On Schedule

M-062-45A **Complete Negotiations 6-Months After Last Issuance of System Plan**
Due: April 30, 2030
Status: On Schedule

M-062-45YY **Within 18 Months of Achieving HLW Facility Hot Commissioning, the Parties Will Complete Negotiations**
Due: June 30, 2035
Status: On Schedule

Significant Past Accomplishments

None.

Significant Planned Actions in the Next Six Months

Submit the System Plan 11 document to complete milestone M-062-40L.

Issues

On July 20, 2026, Ecology transmitted letter 26-NWP-087, "Response to Request for Washington State Department of Ecology Approval of Selected Scenarios for the System Plan, Revision 11 to Meet Hanford Federal Facility Agreement and Consent Order Milestone M-062-40," to DOE requesting updates to ORP-11242, *System Plan*, Rev. 11 Scenarios 1 and 4; including a new sensitivity run for Scenario 1. HFO and Ecology approved Tri-Party Agreement (TPA) change control form (CCF) M-62-26-01 on August 31, 2026, to extend the due date of interim milestone M-062-40L by 2 months, from October 31, 2026, to December 31, 2026.

ACQUISITION OF NEW FACILITIES

***Tank Waste Operations Assistant Manager*:** Mat Irwin
***Technical Lead*:** Andy Wiborg
***Washington State Department of Ecology Project Manager*:** Dan McDonald

M-090-13 Submit Critical Path Schedule and 90% Design for the IHLW Storage Facility
Due: March 30, 2029
Status: On Schedule

M-090-15 Submit PMR for Construction/Operation of the Hanford Site Immobilized High-Level Storage Facility
Due: September 30, 2029
Status: On Schedule

M-090-16 Hanford Site Immobilized High-Level Storage Facility Construction Substantially Complete
Due: December 31, 2032[2]
Status: On Schedule

M-090-00 Acquire/Modify Facilities for Storage of First Two Years of IHLW from the WTP Operations
Due: December 31, 2033[3]
Status: On Schedule

M-047-00 Completion of Work for Management of Secondary Waste from the WTP
Due: December 31, 2033
Status: On Schedule

Significant Past Accomplishments

None.

Significant Planned Actions in the Next Six Months

None.

Issues

None.

[2] Milestone due date is 12 months prior to date for completing hot commissioning of the High-Level Waste Facility under the consent decree (*State of Washington v. Chu*, 2010).
[3] Milestone due date is the date for completing hot commissioning of the High-Level Waste Facility under the sixth amended consent decree (*State of Washington v. Granholm*, 2025).

ALTERNATIVE TREATMENT FOR 200 WEST AREA

***Tank Waste Operations Assistant Manager*:** Mat Irwin
***Technical Lead*:** Dawn MacDonald
***Washington State Department of Ecology Project Manager*:** Dan McDonald

M-062-64 Make Alternative Selection for Facilities/Infrastructure for Off-Site Disposal of Low-Activity Waste
Due: July 1, 2026
Status: Complete

M-062-65 Submit Critical Path Schedule for Off-Site Disposal of Low-Activity Waste
Due: December 31, 2026
Status: On Schedule

M-062-66 Complete Negotiations to Establish New Milestones for Off-Site Disposal of Low-Activity Waste
Due: June 30, 2027
Status: On Schedule

M-062-68 Complete the Necessary Removal of the DST 241-SY-101 Mixer Pump
Due: September 30, 2027
Status: Complete

M-062-67 Submit a Permit Modification(s), if Necessary, to Support SY Farm Infrastructure Upgrades
Due: April 30, 2030
Status: On Schedule

Significant Past Accomplishments

- On June 29, 2026, the U.S. Department of Energy (DOE), Hanford Field Office (HFO) notified Ecology via letter 26-TWO-0049, "Notification of the Completion of 'Hanford Federal Facility Agreement and Consent Order,' Milestone M-062-64," dated June 29, 2026, of the alternative selection for facilities and infrastructure needed to perform separation, pretreatment, and/or treatment and mode of transport, for off-site disposal of low-activity waste from 200 West Area single-shell tanks (SST), to complete milestone M-062-64
- Completed the removal of the SY-101 mixer pump on July 14, 2026, and notified Ecology of the completion of milestone M-064-68 via HFO letter 26-TWO-0083, "U.S. Department of Energy, Hanford Field Office Notification of Completion of 'Hanford Federal Facility Agreement and Consent Order' Milestone M-062-68," dated August 25, 2026.
- Awarded commercial grout subcontracts on August 11, 2026.

Significant Planned Actions in the Next Six Months

- Initiate fabrication of long-lead process equipment, and miscellaneous equipment for the West Area Risk Management Project (WARM)
- Initiate site preparation for WARM
- Complete WARM final design
- Complete disposal of the SY-101 mixer pump at the Environmental Restoration Disposal Facility
- Initiate fabrication of pretreated waste storage tank.

Issues

DOE and Ecology met on May 7, 2026, to discuss the WARM permitting plan and schedule. A *Resource Conservation and Recovery Act of 1976* (RCRA) permit, temporary authorization, or other regulatory relief will be needed no later than October 2027 before construction can begin in the 200 West Area to support tank waste pretreatment, grouting, and off-site disposal activities. DOE submitted the WARM permitting plan to Ecology to capture the DOE and Ecology permitting timelines to support the construction and operations of WARM via letter 26-ECD-0098, “West Area Risk Management System Dangerous Waste Permitting Plan,” dated August 10, 2026.

SUPPLEMENTAL TREATMENT AND RESOURCE CONSERVATION AND RECOVERY ACT PART B PERMIT APPLICATIONS

***Tank Waste Operations Assistant Manager*:** Mat Irwin
***Technical Lead*:** Ricky Bang
***Washington State Department of Ecology Project Manager*:** Dan McDonald

M-062-31-T01 **Complete Final Design and Submit RCRA Part B Permit Modification Request for Enhanced WTP & Supplemental Treatment**
Due: To be determined (TBD) – Established upon completion of M-062-45YY
Status: On Schedule

M-062-32-T01 **Start Construction of Supplemental Vitrification Facility and/or WTP Enhancements**
Due: TBD – Established upon completion of M-062-45YY
Status: On Schedule

M-062-33-T01 **Complete Construction of Supplemental Treatment Vitrification Facility and/or WTP Enhancements**
Due: TBD – Established upon completion of M-062-45YY
Status: On Schedule

M-062-34-T01 **Complete Hot Commissioning of Supplemental Treatment Vitrification Facility and/or WTP Enhancements**
Due: TBD – Established upon completion of M-062-45YY
Status: On Schedule

Significant Past Accomplishments

None.

Significant Planned Actions in the Next Six Months

None.

Issues

None.

WASTE TREATMENT AND IMMOBILIZATION PLANT OPERATIONS

***Tank Waste Operations Assistant Manager*:** Mat Irwin
***Technical Lead*:** Justin Carter
***Washington State Department of Ecology Project Manager*:** Dan McDonald

M-062-21 **Annually Submit Data Which Demonstrates Operation of the WTP at a Rate Sufficient to Meet M-062-00**
Due: TBD – Established as 3 years after completion of M-062-45YY
Status: On Schedule

M-062-21A **Annually Submit Data Which Demonstrates Operation of the WTP at a Rate Sufficient to Meet M-062-00**
Due: TBD – Established as 1 year after completion of M-062-21
Status: On Schedule

M-062-21B **Annually Submit Data Which Demonstrates Operation of WTP at a Rate Sufficient to Meet M-062-00**
Due: TBD – Established as 1 year after completion of M-062-21A
Status: On Schedule

M-062-00 **Complete Pretreatment Processing and Vitrification of HLW and LAW Tank Wastes**
Due: December 31, 2047[4]
Status: On Schedule

Significant Past Accomplishments

None.

Significant Planned Actions in the Next Six Months

None.

Issues

None.

[4] Without excusing the U.S. Department of Energy from any obligation to exercise due diligence toward satisfying this milestone obligation as expeditiously as possible (as that phrase is defined in milestone M-062-45 with regard to tank waste treatment), the parties acknowledge that the current milestone due date must be revised. The milestone due date will be revised as described in milestone M-062-45, paragraph 7, bullet 3.

LOW-ACTIVITY WASTE PRETREATMENT SYSTEM

***Tank Waste Operations Assistant Manager*:** Mat Irwin
***Technical Lead*:** Bibek Tamang
***Washington State Department of Ecology Project Manager*:** Dan McDonald

M-062-56 **Submit Permit Application for Design and Construction of the LAWP Capability**
Due: August 31, 2026
Status: Complete

M-062-60 **Submit Disposition Pathways Evaluation for Spent IX Columns as Primary Document to Ecology**
Due: June 30, 2026
Status: Complete

M-062-61 **Submit Updated TSCR Closure Plan as a Permit Modification Request to Ecology**
Due: April 30, 2029
Status: On Schedule

M-062-60A **Submit Disposition Pathways Evaluation for Spent IX Columns as Primary Document to Ecology**
Due: June 30, 2031
Status: On Schedule

M-062-62 **Complete Negotiations to Establish HFFACO Milestones for Disposition of Spent IX Columns**
Due: January 31, 2035
Status: On Schedule

M-062-62-T01 **Submit Conceptual Design Package (30% Design) for Facility to Remove/Prepare/Process IX Waste Media**
Due: December 30, 2040
Status: On Schedule

M-062-62-T02 **Submit Conceptual Design Package (60% Design) for Facility to Remove/Prepare/Process IX Waste Media**
Due: June 30, 2042
Status: On Schedule

M-062-63 **Submit as PMR, Final Design (90-100% Design) for Facility to Remove/Prepare/Process IX Waste Media**
Due: September 30, 2043
Status: On Schedule

Significant Past Accomplishments

- HFO submitted TPA primary document RPP-RPT-66189, *Disposition Pathways Evaluation for the Spent Ion Exchange (IX) Columns and Associated Waste Media*, Rev. 0 to Ecology, via letter 26-TWO-0051, "U.S. Department of Energy, Hanford Field Office Submittal of RPP-RPT-66189, 'Disposition Pathways Evaluation for the Spent Ion Exchange Columns and Associated Waste Media (TPA Milestone M-062-60),' Revision 0 to Fulfill, 'Hanford Federal Facility Agreement and Consent Order,' Interim Milestone M-062-60," dated June 25, 2026, to complete milestone M-062-60
- Completed Advanced Modular Pretreatment System Project (AMPS) design
- On August 12, 2026, HFO submitted letter 26-ECD-0015, "Hanford Facility Resource Conservation and Recovery Act Permit Hanford Facility Non-Compliance Report for Calendar Year 2025 (Permit Condition I.E.19)," transmitting the Class 3 RCRA permit modification request C3-LAWPS-2026-01 to add AMPS to the Low-Activity Waste Pretreatment System, Operating Unit Group 1 to Ecology, to complete milestone M-062-56
- Awarded procurement of long-lead equipment and early site preparation work.

Significant Planned Actions in the Next Six Months

- Start site preparation and excavation activities for construction of process modules and balance of facilities concrete pads.

Issues

None.

TANK-SIDE CESIUM REMOVAL SYSTEM

***Tank Waste Operations Assistant Manager*:** Mat Irwin
Technical Lead: Bibek Tamang
***Washington State Department of Ecology Project Manager*:** Dan McDonald

This section only covers the Tank Waste Operations scope of the DFLAW mission. Please refer to the consent decree monthly report for the Waste Treatment and Immobilization Plant (WTP) Project scope pertaining to DFLAW.

Significant Past Accomplishments

- A total of 206,000 gallons of available space was generated out of the required 230,000 gallons in Tank AP-106 to support the upcoming TSCR batch by transferring waste to WTP
- On August 22, 2026, TSCR began processing DFLAW 02 Batch 3 in anticipation of WTP creating enough space in AP-106 prior to the end of the batch.

Significant Planned Actions in the Next Six Months

Complete two waste processing batches to support WTP Low-Activity Waste Facility operation, pending available space in Tank AP-106.

Issues

On October 28, 2025, DOE briefed Ecology on the status of SST retrievals in the 200 East Area as well as an emergent challenge associated with limited availability of double-shell tank (DST) space and that retrieval operations may be impacted without sufficient DST space in the AP Tank Farm. DOE, Ecology, and the U.S. Environmental Protection Agency (EPA) met to brief and discuss tank waste processing status and options to prevent operational impacts to tank waste treatment and SST retrievals. HFO submitted an RCRA permit modification on February 24, 2026, to enable one of the discussed options of solidifying a portion of the concentrated byproduct in glass to solidify it in grout locally and ship it out of Washington State for commercial disposal. The permit modification was approved by Ecology on May 26, 2026. The first shipment of concentrated byproduct was planned for July 1, 2026. HFO and its contractor continue to evaluate opportunities to provide additional operational flexibility in 200 East Area and make space in the DST system. Retrieval of SSTs A-101 and A-102 was completed, and Tank A-106 is forecasted to be completed by August 2026. As a result, all available DST space in the 200 East Area is nearly filled. Without an additional alternative treatment pathway (in parallel with WTP), retrieval and pretreatment operations will likely be impacted. On May 22, 2026, the Ecology Director, Casey Sixkiller, transmitted a letter regarding DOE's proposed alternative treatment pathway for tank waste in the 200 East Area. Ecology expressed concerns regarding diverting resources from DFLAW and the amount of waste to be treated. On June 26, 2026, the DOE Assistant Secretary for Environmental Management, Tim Walsh, transmitted a letter reiterating the urgency to allow the proposed dual path glass-plus-grout approach strategy for the 200 East Area. HFO will continue to engage with Ecology and EPA regarding these challenges and to pursue potential opportunities for a dual path glass-plus-grout approach in the

200 East Area. With the completion of Batch 2 on February 25, 2026, the limited space in Tank AP-106 resulted in a pause in TSCR operations for subsequent batches. Through the end of July 2026, TSCR has not been able to complete a planned batch of pretreatment of approximately 600,000 gallons of tank waste. On August 22, 2026, TSCR restarted pretreatment operations after 200,000 gallons of Tank AP-106 became available.

242-A EVAPORATOR STATUS

***Tank Waste Operations Assistant Manager*:** Mat Irwin
***Technical Lead*:** William Ruane
***Washington State Department of Ecology Project Manager*:** Ambika Chakravartty

Table 1. 242-Evaporator Campaign Strategy.

Fiscal Year	Campaign No.	Feed Source	Slurry Tank	Comments
2025	EC-11	AW-102	AW-102	Completed April 1, 2025, with approximate waste volume reduction of 208,900 gallons.
2025	EC-12	AW-102	AP-103	Completed April 12, 2025, with approximate waste volume reduction of 243,400 gallons.
2025	EC-13	AW-102	AP-103	Completed May 18, 2025, with approximate waste volume reduction of 234,200 gallons.
2025	EC-14	AW-102	AP-103	Completed August 26, 2025, with approximate waste volume reduction of 261,400 gallons.
2025	EC-15	AW-102	AP-103	Completed September 18, 2025, with approximate waste volume reduction of 179,200 gallons.
2026	EC-16	AW-102	AW-102	Completed July 24, 2026, with approximate waste volume reduction of 353,400 gallons.

EC = evaporator campaign.

Significant Past Accomplishments

- Performed facility maintenance in preparation for evaporator campaign (EC) 16
- Initiated EC-16.

Significant Planned Actions in the Next Six Months

- Perform facility maintenance in preparation for EC-17
- Initiate EC-17.

Issues

None.

LIQUID EFFLUENT RETENTION FACILITY AND 200 AREA EFFLUENT TREATMENT FACILITY

***Tank Waste Operations Assistant Manager*:** Mat Irwin
Technical Lead: William Ruane
***Washington State Department of Ecology Project Manager*:** Ambika Chakravartty

M-026-07E **Evaluation of Tritium Treatment Technology to EPA & Ecology**
Due: March 31, 2027
Status: On Schedule

Significant Past Accomplishments

Operations

Completed processing from Basin 44 for the FY 2026 campaign on August 23, 2026.

Projects

None.

Significant Planned Actions in the Next Six Months

Operations

Decontaminate Effluent Treatment Facility (ETF) after Basin 44 FY 2026 campaign.

Projects

- Initiate Basin 41 repairs
- Complete installation of ETF CO2 membrane
- Begin phase 2 of acetonitrile hot operational acceptance test.

Issues

None.

Liquid Effluent Retention Facility Volumes

Liquid Effluent Retention Facility liquid levels, inventory, and received waste are shown in the table below. Volumes in the table are estimated.

Table 2. Liquid Effluent Retention Facility Volumes.

Description	242AL-42 (Basin 42)	242AL-43 (Basin 43)	242AL-44 (Basin 44)
Basin 44 Campaign	-	-	+994,900
Mixed Waste Burial Trench 31 and 34	-	-	+30,886
WTP Hot Effluent	-	+317,654	-
Integrated Disposal Facility	-	-	+21,793
242-A Process Condensate EC-16	+430,030	-	-
Total Volume	4,446,000	1,458,000	1,581,856

Data Date: August 31, 2026.
Values shown in gallons.

EC = evaporator campaign. WTP = Waste Treatment and Immobilization Plant.

TANK SYSTEM UPDATE

***Tank Waste Operations Assistant Manager*:** Mat Irwin
Technical Lead: Emily Millikin
***Washington State Department of Ecology Project Manager*:** Amie Green, Ambika Chakravartty

Reports are identified as completed (internal access only) or released (external access).

M-042-10 **Complete Tank Integrity Examination of DST Components to Assess Integrity**
Due: December 31, 2026
Status: On Schedule

M-045-91E7 **Provide SST Farms Dome Deflection Surveys Every 2 Years to Ecology**
Due: September 30, 2027
Status: On Schedule

M-045-91L **Obtain Assessment Reviewed/Certified by an IQRPE Attesting to SST Structural Integrity**
Due: September 30, 2034
Status: On Schedule

Double-Shell Tank Integrity

Significant Past Accomplishments

- Completed DST annulus visual inspections of the following:
  - Tanks AW-101, AW-102, AW-103, AW-104, AW-105, and AW-106
  - Tanks SY-101, SY-102, and SY-103
- Completed DST National Association of Corrosion Engineers inspections at DST pits AN-03A, AN-04A, and AN-05A
- Completed DST ultrasonic test and visual inspections in Tanks AZ-101 and AZ-102
- Completed visual inspection at DST pit SY-02E
- Completed DST pneumatic pressure integrity test of line SY SN-278.

Significant Planned Actions in the Next Six Months

- Complete DST National Association of Corrosion Engineers' inspections of the following:
  - Tank Pit AN-A
  - Tank Pits AW-02D, AW-02E, and AW-06A
  - Tank Pits AP-01A, AP-02A, and AP-08A
  - Tank Pits SY-01A
- Perform DST ultrasonic test and visual inspections in Tanks AY-101

- Perform DST pneumatic pressure integrity test of lines:
  - AN SL-168 and SN-268
  - AP SL-511, SL-512, SL-518, SN-611, SN-612, and SN-618
  - AW DR-334/338 and DR-335
  - AW SL-166, SN-266, SN-267, SN-268, and SN-272
  - AW/AP SL-509, SN-609, and SN-610
  - SY SN-279.

Ultrasonic Testing Report Status

RPP-RPT-66339, *Ultrasonic Testing and Air Slot Visual Inspection Results for Tank 241-AZ-101 – FY2026,* was issued on July 13, 2026.

Issues

None.

Single-Shell Tank Integrity

Significant Past Accomplishments

- FY 2026 SST visual inspections completed in:
  - Tank A-101
  - Tanks BX-102, BX-106, and BX-107
  - Tanks S-103, S-104, S-105, and S-108
  - Tank SX-108, SX-111(5X), and SX-112
  - Tanks T-104, T-105, T-106, T-107, T-109, T-110, and T-112.
- FY 2026 SST laser scans completed in:
  - Tank A-101
  - Tank BX-107
  - Tanks S-103, S-104, S-105, and S-108
  - Tanks T-104, T-105, T-106, T-107, T-109, and T-110.
- SST laser scans are complete for FY 2026.

Significant Planned Actions in the Next Six Months

Perform SST visual inspections in Tanks SX-102 and SX-104.

RPP-9937, Single-Shell Tank System Leak Detection and Monitoring Functions and Requirements Document, Rev. 5 Updates

Refer to most recent quarterly RPP-9937 requirement reporting dashboard included in the TPA project manager meeting minutes. The last update was provided during the project managers' meeting on August 13, 2026.

Issues

None.

INDEPENDENT QUALIFIED REGISTERED PROFESSIONAL ENGINEER ACTIVITIES

Double-Shell Tank System

RPP-IQRPE-50156, *Double-Shell Tank System Integrity Assessment Report (DSTAR)*, Rev. 1a was released on July 15, 2026. The independent qualified registered professional engineer (IQRPE) recommended the next DST system integrity assessment report be completed in 10 years.

Single-Shell Tank System

- Completed milestone M-045-91I report RPP-IQRPE-50028, *Single-Shell Tank System Structural Integrity Assessment Report*, Rev. 0 on September 30, 2018.
- In RPP-IQRPE-50028, the IQRPE recommended the next SST structural integrity assessment be completed in 16 years. Ecology transmitted letter 19-NWP-009, "*Single-Shell Tank Structural Integrity Assessment*, RPP-IQRPE-50028," on January 16, 2019. The letter noted Ecology's agreement with the IQRPE's 16-year recommendation.

Alternative Treatment for 200 West Area

Completed IQRPE assessment RPP-RPT-66430, *Cross Site Transfer Line SNL-3150 Investigative Integrity Report*, Rev. 1.

242-A Evaporator

- Completed RPP-RPT-60098, *242-A Evaporator System Integrity Assessment Report*, Rev. 0 in 2018. The IQRPE recommended the next 242-A Evaporator system integrity assessment be completed in 15 years. Ecology transmitted letter 18-NWP-114, "Department of Ecology's (Ecology's) Comments on the *242-A Evaporator System Integrity Assessment Report*, RPP-RPT-60098, Revision 0," on July 19, 2018. The letter noted Ecology's disagreement with the IQRPE's 15-year recommendation. The Hanford sitewide permit, Rev. 8C currently provides for 242-A Evaporator system integrity assessments at a frequency of 10 years. HFO will continue to comply with the permit conditions.
- Field work for the 242-A Evaporator IQRPE has been initiated and the final report is expected to be issued in 2027.

Tank-Side Cesium Removal System

RPP-IQRPE-50170, *Tank Side Cesium Removal Independent Qualified Registered Professional Engineer Integrity Assessment,* for the TSCR system is in progress. Completion is expected by the end of FY 2026.

Effluent Treatment Facility

- Completed RPP-IQRPE-50043, *Effluent Treatment Facility IQRPE Integrity Assessment*, Rev. 0 in 2019
- The IQRPE recommended the next ETF integrity assessment be completed in 10 years.

219-S Tank System (222-S Laboratory)

- Completed RPP-IQRPE-50029, *219-S Integrity Assessment Report*, Rev. 0 in February 2020
- The IQRPE recommended the next 219-S tank system integrity assessment be completed in 20 years.

IN-TANK CHARACTERIZATION AND SUMMARY

***Tank Waste Operations Assistant Manager*:** Mat Irwin
Technical Lead: Emily Millikin
***Washington State Department of Ecology Project Manager*:** Amie Green, Ambika Chakravartty

Reports Completed or Released

- For August 2026, the following reports were completed for internal access only:
  - RPP-PLAN-68146, *Tank 241-AP-104 Core Sampling and Analysis Plan – Fiscal Year 2026*, Rev. 1
  - RPP-PLAN-68194, *Tank 241-AW-102 Grab Sampling and Analysis Plan in Support of Evaporator Campaign EC-17 – Fiscal Year 2026*, Rev. 0
  - RPP-PLAN-68253, *Tank 241-AP-101 Grab Sampling and Analysis Plan to Support Chemistry Control Assessment – Fiscal Year 2026*, Rev. 0.

Tank Sampling

Significant Past Accomplishments

- A total of four solid grab samples were obtained from Tank A-102 in August 2026 for SST retrieval closure
- A total of eight liquid grab samples were obtained from Tank AW-102 in August 2026 for 242-A EC-17 feed analysis.

Significant Planned Actions in the Next Six Months

- Complete residual solids grab sampling of Tanks A-102 and A-106
- Complete core sampling of:
  - Tank AP-104
  - Tank AZ-101
- Complete liquid grab sampling of:
  - Tanks AP-104 and AP-106
  - Tank AZ-101.

Issues

None.

Best-Basis Inventory Updates

Significant Past Accomplishments

Best-basis inventory updates for Tank AP-106 were completed in August 2026.

Significant Planned Actions in the Next Month

Best-basis inventory updates for the following tanks are anticipated to be completed in September 2026:

- Tank A-106
- Tanks AP-101, AP-102, and AP-103
- Tank AW-102
- Tank AY-102
- Tank SY-103.

Issues

None.

SINGLE-SHELL TANK CLOSURE PROGRAM

***Tank Waste Operations Assistant Manager*:** Mat Irwin
Technical Lead: Becky Blackwell
***Washington State Department of Ecology Project Manager*:** Amie Green

M-045-108 **Submit RCRA Tier 3 Component Closure Plan for the 241-C-301 Catch Tank**
Due: November 30, 2025
Status: Complete

M-045-112 **Submit Integration Study for WMA U**
Due: December 31, 2025
Status: Complete

M-045-118 **Submit Integration Study for WMA S-SX**
Due: December 31, 2025
Status: Complete

M-045-56V **Ecology and DOE Agree, at a Minimum, to Meet Yearly (by July 2026)**
Due: July 31, 2026
Status: Complete

M-045-103 **Submit to Ecology a PMR with Tier 2 RCRA Closure Plan for WMA A-AX and Schedule for Tier 3 Schedule**
Due: September 30, 2026
Status: Complete

M-045-92AJ **Submit Yearly Reports Summarizing the Results of Maintenance and Performance Monitoring Activities**
Due: October 31, 2026
Status: Complete

M-045-109 **Submit RCRA Tier 3 Component Closure Plan for All Remaining WMA C Ancillary Equipment**
Due: December 31, 2026
Status: Complete

M-045-56W **Ecology and DOE Agree, at a Minimum, to Meet Yearly (by July 2027)**
Due: July 31, 2027
Status: On Schedule

M-045-106 Submit Phase 2 RCRA Facility Investigation/Corrective Measures Study Report for WMA A-AX
Due: September 30, 2029
Status: Complete

M-045-114 Submit RCRA Tier 2 Closure Plan for WMA U
Due: December 31, 2030
Status: At Risk

M-045-122 Submit RCRA Tier 3 Component Closure Plan for the 244-CR Vault
Due: December 31, 2030
Status: On Schedule

M-045-123 Submit Phase 2 RCRA Facility Investigation/Corrective Measures Study Work Plan for WMA B-BX-BY
Due: December 31, 2033
Status: Complete

Significant Past Accomplishments

- Submitted the RCRA Tier 3 component closure plan for Waste Management Area (WMA) C ancillary equipment to Ecology via letter 26-TWO-0075, "U.S. Department of Energy, Hanford Field Office Submittal of RPP-PLAN-65708, 'Tier 3 Closure Activity Plan for Waste Management Area C Ancillary Equipment,' Revision 0 to Meet 'Hanford Federal Facility Agreement and Consent Order' Interim Milestone M-045-109," dated August 4, 2026, to fulfill milestone M-045-109.
- Responded to Ecology comments on Rev. 1 of the Phase 2 RCRA facility investigation/corrective measures study (RFI/CMS) work plan for WMA U, via letter 26-TWO-0086, "U.S. Department of Energy, Hanford Field Office Response to Washington State Department of Ecology Comments on RPP-PLAN-66053, 'Phase 2 RCRA Facility Investigation/Corrective Measures Study Work Plan for Waste Management Area U,' Revision 1," dated August 31, 2026.

Significant Planned Activities in the Next Six Months

- Ecology approve RPP-RPT-61684, *Maintenance and Performance Monitoring Plan for the Interim Surface Barriers Program*, Rev. 7 prepared in accordance with Agreed Order Docket No. 21304. RPP-RPT-61684, Rev. 7 reflects changes to the interim surface barrier performance monitoring which HFO and Ecology have agreed are warranted and beneficial for a continued interim surface barrier program.
- HFO and Ecology approve a TPA CCF to modify reporting requirements for the interim surface barriers under the M-045-92 milestone series to align with RPP-RPT-61684, Rev. 7.
- Respond to Ecology comments on the FY 2025 annual interim surface barrier monitoring report provided via letter 26-NWP-134, "Transmittal of the Department of Ecology's (Ecology) Comments for the 'Fiscal Year 2025 Interim Surface Barriers Annual Monitoring Report,' RPP-RPT-66575, Revision 0," dated August 26, 2026.

- Respond to Ecology letters 25-NWP-171, "The Department of Ecology's (Ecology) Response to Letter 25-TWO-0111 Regarding Comment Responses for Document RPP-PLAN-65977, *Phase 2 RCRA Facility Investigation/Correction Measures Study Work Plan for Waste Management Area S-SX,* Rev. 0," dated October 16, 2025, and 25-NWP-190, "Transmittal of the Department of Ecology's (Ecology) Review Comment Record (RCR) for the *Phase 2 RCRA Facility Investigation for Waste Management Area A-AX*, RPP-RPT-64743, Rev. 0," dated October 30, 2025. HFO requested an additional extension for responding to September 30, 2026, via letter 26-TWO-0054, "U.S. Department of Energy, Hanford Field Office Request for Additional Extension in Responding to Washington State Department of Ecology Letters 25-NWP-171 and 25-NWP-190," dated June 29, 2026, to allow both parties additional time to continue ongoing collaborative discussions to resolve outstanding issues. Ecology approved the additional extension request via letter 26-NWP-108, "Response to United States Department of Energy (USDOE) Letter 26-TWO-0054, U.S. Department of Energy, Hanford Field Office Request for Additional Extension in Responding to Washington State Department of Ecology Letters 25-NWP-171 and 25-NWP-190," dated July 21, 2026.
- Ecology complete review of the Phase 2 RFI/CMS work plan for WMA B-BX-BY by October 14, 2026, in accordance with Ecology's comment period extension provided via letter 26-NWP-125, "Extension of the Department of Ecology's (Ecology) Comment Review Period for the 'Phase 2 RCRA Facility Investigation/Corrective Measures Study Work Plan for Waste Management Area B-BX-BY,' RPP-PLAN-67275, Revision 0," dated August 18, 2026. The Phase 2 RFI/CMS work plan for WMA B-BX-BY was submitted to Ecology on July 28, 2026, via letter 26-TWO-0072.
- Submit the RCRA Tier 3 component closure plan for the 244-CR vault to Ecology for review in November 2026 to fulfill milestone M-045-122.
- Ecology complete review of the RCRA Tier 3 component closure plan for the C-301 catch tank by December 1, 2026, in accordance with Ecology's second comment period extension provided via letter 26-NWP-024, "Response to the Certified Supplemental Information to the 'Hanford Facility Dangerous Waste Permit for the Treatment, Storage, and Disposal of Dangerous Waste, Revision 9,' WA7890008967, (Site-wide Permit, Rev. 9A) Renewal Application for the Single-Shell Tank System, Closure Unit Group (CUG) 4, Waste Management Area C Tier 3 Closure Activity Plan," dated March 5, 2026. The RCRA Tier 3 component closure plan for the C-301 catch tank was submitted to Ecology via letter 25-TWO-0125, "The U.S. Department Of Energy, Hanford Field Office Submittal of RPP-PLAN-66054, 'Tier 3 Closure Activity Plan For The Waste Management Area C, 241-C-301 Catch Tank,' Revision 0 to Meet Hanford Federal Facility Agreement and Consent Order Interim Milestone M-045-108," dated October 22, 2025.
- Submit the TPA Appendix I Performance Assessment Volumes 1, 2, 5, and 6 for WMA A-AX to Ecology in December 2026.
- Ecology complete review of the Phase 2 CMS for WMA A-AX by January 7, 2027, in accordance with Ecology's second comment period extension provided via letter 26-NWP-091, "Additional Extension of the Department of Ecology's (Ecology)

Comment Review Period for Phase 2 Corrective Measures Study for Waste Management Area A-AX, RPP-RPT-65361, Rev. 0," dated July 16, 2026. The Phase 2 CMS for WMA A-AX was submitted to Ecology via letter 26-TWO-0033, "U.S. Department Of Energy, Hanford Field Office Submittal of RPP-RPT 65361, 'Phase 2 Corrective Measures Study for Waste Management Area A-AX,' Rev 0 to Fulfill Hanford Federal Facility Agreement and Consent Order Interim Milestone M-045-106," dated May 4, 2026.

Issues

- HFO disagrees with many of Ecology's comments on the Phase 2 RFI/CMS work plans for WMA S-SX and WMA U and the Phase 2 RFI report for WMA A-AX to the extent they are inconsistent with DOE/RL-2019-46, *Central Plateau Inner Area Cleanup Principles and Parameters* and TPA CCF F-20-01[5] which added DOE/RL-2019-46, *Central Plateau Inner Area Cleanup Principles and Parameters*, to Appendix F of the TPA Action Plan, and thus rendering it an enforceable requirement to all parties. Ecology comments were provided via letters:
  - 25-NWP-097, "Transmittal of the Department of Ecology's Review Comment Record for *Phase 2 RCRA Facility Investigation/Corrective Measures Study Work Plan for Waste Management Area S-SX*, RPP-PLAN-65977, Rev. 0," dated June 23, 2025
  - 25-NWP-190, "Transmittal of the Department of Ecology's (Ecology) Review Comment Record (RCR) for the Phase 2 *RCRA Facility Investigation for Waste Management Area A-AX*, RPP-RPT-64743, Rev. 0," dated October 30, 2025
  - 25-NWP-191, "Transmittal of the Department of Ecology's (Ecology) Review Comment Record (RCR) for the Phase 2 *RCRA Facility Investigation/Corrective Measures Study Work Plan for Waste Management Area U*, RPP-PLAN-66053, Rev. 0," dated October 30, 2025.
- HFO disagrees with Ecology comments on RPP-PLAN-65977, RPP-PLAN-66053, and RPP-PLAN-64743 to the extent they incorrectly assert "any reference to DOE/RL-2019-46 implies [a] landfill determination and is incorrect," and that clean closure performance standards must be used for WMA S-SX, WMA U, and WMA A-AX. As set forth on page 2 of CCF F-20-01, the Tri-Parties unequivocally agreed that DOE/RL-2019-46 will apply to SST WMA, including but not limited to, WMA S-SX, WMA U, and WMA A-AX. DOE/RL-2019-46 identifies the central plateau as an industrial land use area and specifies use of an outdoor worker and a construction worker scenario. All references to DOE/RL-2019-46 in RPP-PLAN-65977, RPP-PLAN-66053, and RPP-PLAN-64743 that imply or assert a landfill determination for WMA S-SX, WMA U, and WMA A-AX are consistent with:

[5] Tri-Party Agreement change control form F-20-01, pg. 2, "This document will be included by reference or as an insert to Comprehensive Environmental Response, Compensation, and Liability Remedial Investigation/Feasibility Study and Resource Conservation and Recovery Act Field Investigation/Corrective Measures Study work plans involving Hanford's Central Plateau Inner Area operable units, as well as RCRA facility investigation/corrective measures study work plans for Single-Shell Tank Waste Management Areas."

  - DOE/EIS-0391, *Final Tank Closure and Waste Management Environmental Impact Statement for the Hanford Site, Richland, Washington (TC&WM EIS)*, and its associated record of decision, 78 FR 75913, "Final Tank Closure and Waste Management Environmental Impact Statement for the Hanford Site, Richland, Washington: Record of Decision"
  - DOE/ORP-2014-02, *Clean Closure Practicability Demonstrations for SSTs and associated Supplemental Information to the Clean Closure Practicability Demonstrations for SSTs* (DOE/ORP-2014-02-SUPP1), explains clean closure for SSTs is not practicable
  - RPP-RPT-58858, *Tier 1 Closure Plan Single-Shell Tank System*, noting SST system will undergo landfill closure, which Ecology accepted as completed on February 15, 2024.

- Delay in Ecology approval of the WMA U Phase 2 RFI/CMS work plan has impacted the schedule for WMA U Phase 2 characterization, affecting several downstream milestones. These include submittal of a RCRA Tier 2 Closure Plan for WMA U (milestone M-045-114), completion of the TPA Appendix I Performance Assessment Vol. 3 for WMA U, as well as completion of RCRA Tier 2 Closure Plans for WMA B-BX-BY and WMAs T and TX-TY. WMA U Phase 2 characterization needed to begin in August 2026 to meet milestone M-045-114 and field sampling data is necessary for completion of the Data Usability Report, TPA Appendix I Performance Assessment Vol. 3, and RFI/CMS, each of which is a prerequisite to the RCRA Tier 2 Closure Plan. Ecology approval of the WMA U Phase 2 RFI/CMS work plan was not received by August 2026, putting milestone M-045-114 at risk.

SINGLE-SHELL TANK RETRIEVAL PROGRAM

***Tank Waste Operations Assistant Manager*:** Mat Irwin
Technical Lead: Katherine Wong
***Washington State Department of Ecology Project Manager*:** Amie Green

M-045-86N **Submit Retrieval Data Report for Tank AX-101 to Ecology**
Due: October 14, 2026
Status: Complete

M-045-15 **Completion of Tank A-103 SST Waste Retrieval**
Due: September 30, 2028
Status: On Schedule

M-045-15A **Submit a Retrieval Data Report Pursuant to Agreement Appendix I**
Due: September 30, 2028
Status: On Schedule

M-045-15D **Submit, if appropriate, an exception to Waste Retrieval Criteria Pursuant to Agreement Appendix H**
Due: September 30, 2028
Status: On Schedule

M-045-144 **Initiate Retrieval of One SST Located in S, SX, or U Farms**
Due: April 30, 2030
Status: On Schedule

M-045-70 **Complete Waste Retrieval from all Remaining Single Shell Tanks (SSTs)**
Due: December 31, 2040[6]
Status: On Schedule

M-045-86 **Submit Retrieval Data Report to Ecology for 19 Tanks Retrieved Under Consent Decree.**
Due: TBD[7]
Status: On Schedule

[6] Without excusing the U.S. Department of Energy from any obligation to exercise due diligence toward satisfying this milestone obligation as expeditiously as possible (as that phrase is defined in milestone M-062-45 with regard to single-shell tank retrievals), the parties acknowledge that the current milestone due date must be revised. The milestone due date will be revised as described in milestone M-062-45, paragraph 7, bullet 2.

[7] Thirteen retrieval data reports have been submitted for tanks that were retrieved, completing milestones M-045-86A through M-045-86M. Tank 241-AX-101 milestone M-045-86N 12-month due date was established as October 14, 2026, and was completed May 14, 2026. Tanks A-101, A-102, A-104, A-105, and A-106 have submittal dates to be determined (milestones M-045-86O through M-045-86S).

M-045-135 Complete Retrieval of 22 Single-Shell Tanks Located in S, SX, and U Farms

Due: December 31, 2040
Status: On Schedule

M-045-137 Negotiate TPA Milestones for Phased Research, Testing, and Development of 2 Technologies

Due: As indicated in the descriptive text of this milestone
Status: On Schedule

Significant Past Accomplishments

- Issued the 100 percent design for the S Tank Farm ventilation system for final reviews and approvals
- Completed the 90 percent design for the first four S Tank Farm tank equipment installations
- Completed the 90 percent design for the S, SX, and U Tank Farms air and water service building
- Completed the removal of the S-102 and S-C flush pits in S Tank Farm
- Completed the removal of the abandoned utility poles in S Tank Farm
- Expert panel submitted the final retrieval technology work plan expert summary report
- Completed Tank A-103 equipment installation, in-service leak testing, and construction acceptance testing
- Initiated Tank A-103 operations acceptance testing.

Significant Planned Activities in the Next Six Months

- Complete the design for the S, SX, and U Tank Farms air and water service building
- Complete the design for the first four S Tank Farm tank equipment installations
- Complete the design for the S Tank Farm ventilation system installation
- Complete the design for the S Tank Farm exhauster skids
- Complete equipment removals and riser inspections to support the first four S Tank Farm equipment installations
- Complete the equipment removals to support S Tank Farm ventilation system installation
- Complete conceptual design and proof of concept testing for the next generation tank dome core cutter system
- Submit the final written technology evaluation document, in accordance with the retrieval technology work plan
- Complete Tank A-103 retrieval equipment operations acceptance testing and readiness activities

- Initiate Tank A-103 retrieval activities.

Issues

- On October 28, 2025, DOE briefed Ecology on the status of SST retrievals in the 200 East Area as well as an emergent challenge associated with limited availability of DST space and that retrieval operations may be impacted without sufficient DST space in AP Tank Farm. DOE, Ecology, and EPA met to brief and discuss tank waste processing status and options to prevent operational impacts to tank waste treatment and SST retrievals. HFO submitted an RCRA permit modification on February 24, 2026, to enable one of the discussed options of solidifying a portion of the concentrated byproduct in glass to solidify it in grout locally and ship it out of Washington State for commercial disposal. The permit modification was approved by Ecology on May 26, 2026. The first shipment of concentrated byproduct was planned for July 1, 2026. HFO and its contractor continue to evaluate opportunities to provide additional operational flexibility in 200 East Area and make space in the DST system. Retrieval of SSTs A-101 and A-102 was completed, and Tank A-106 is forecasted to be completed by August 2026. As a result, all available DST space in the 200 East Area is nearly filled. Without an additional alternative treatment pathway (in parallel with WTP), retrieval and pretreatment operations will likely be impacted. On May 22, 2026, the Ecology Director, Casey Sixkiller, transmitted a letter regarding DOE's proposed alternative treatment pathway for tank waste in the 200 East Area. Ecology expressed concerns regarding diverting resources from DFLAW and the amount of waste to be treated. On June 26, 2026, the DOE Assistant Secretary for Environmental Management, Tim Walsh, transmitted a letter reiterating the urgency to allow the proposed dual path glass-plus-grout approach strategy for the 200 East Area. HFO will continue to engage with Ecology and EPA regarding these challenges and to pursue potential opportunities for a dual path glass-plus-grout approach in the 200 East Area. With the completion of Batch 2 on February 25, 2026, the limited space in Tank AP-106 resulted in a pause in TSCR operations for subsequent batches. Through the end of July 2026, TSCR has not been able to complete a planned batch of pretreatment of approximately 600,000 gallons of tank waste. On August 22, 2026, TSCR restarted pretreatment operations after 200,000 gallons of Tank AP-106 became available.
- Ecology responded to DOE in letter 26-NWP-080, "Transmittal of the Department of Ecology's Review Comment Record (RCR) for the *241-A-103 Tank Waste Retrieval Work Plan* (TWRWP), RPP-PLAN-65683, Rev. 0," dated June 11, 2026, with review comment records for RPP-PLAN-65683. Installation and testing of the Tank A-103 retrieval system is planned to be completed in September 2026. Delays in Ecology's approval of RPP-PLAN-65683 would delay the initiation of Tank A-103 retrieval activities. HFO responded to Ecology in letter 26-TWO-0059, "U.S. Department of Energy, Hanford Field Office Request for Approval of RPP-PLAN-65683, *241-A-103 Tank Waste Retrieval Work Plan*, Revision 0," dated July 7, 2026. After reviewing Ecology's updated responses, HFO determined no additional changes were needed to the document. Reaffirming the need for timely approval of RPP-PLAN 65683 and that any actions other than approval before September 10, 2026, will impact the start of retrieval operations for Tank 241-A-103. Ecology responded to DOE in letter 26-NWP-118, "The

Department of Ecology's (Ecology) Response to the United States Department of Energy (DOE) Letter 26-TWP-0059," dated August 6, 2026. Ecology provided a history of the RPP-PLAN-65683 review timeline between DOE and Ecology and requested to meet again to address remaining open comments. HFO responded to Ecology in letter 26-TWO-0082, "U.S. Department of Energy, Hanford Field Office Request for Approval of RPP-PLAN-65683, '241-A-103 Tank Waste Retrieval Work Plan,'" dated August 24, 2026. This letter summarized actions taken or will be completed, based on meetings with Ecology held on August 12, 2026, and August 18, 2026, to support timely approval of RPP-PLAN-65683 no later than September 10, 2026.

INTEGRATED TANK DISPOSITION CONTRACT OVERVIEW

The earned value management system is intended to provide a status of contractor progress against its monthly planned work (i.e., schedule) and compare the actual cost of work planned to the estimated cost. The earned value analysis is not intended to be a measurement of performance against existing TPA milestones.

The project plan is measured by expressing the schedule in terms of dollars spread over the anticipated project duration and determining how much of the planned work was accomplished or earned each month, as measured in equivalent dollars. If more work is accomplished than planned, then the project is ahead of schedule and has a favorable schedule variance (SV). Similarly, if less work is accomplished, the project is behind schedule and has an unfavorable SV. Accomplished work is reported in the month it was completed. For example, work completed in a month earlier than planned would be reported as a favorable SV for the month in which it was completed. However, the work would then be reported as an unfavorable SV in the planned month. The result would be a net zero overall cumulative SV over these months. Likewise, work completed late will recover an earlier reported unfavorable SV.

The cost variance (CV) measures the actual cost of work performed against the earned dollar value of that performed work. An unfavorable or negative CV would be reported if it cost more to complete the work than the performed dollar value of the work. Likewise, a favorable or positive CV would be reported if it cost less to complete the work than the performed dollar value of the work. The SV and CV are reported for each monthly period, fiscal year to date, as well as for the contract to date value. The fiscal year to date or contract to date report provides a more accurate indicator of the overall project completion status because monthly variances can fluctuate significantly. The report over the fiscal year and contract gives a reasonable projection of how the project will finish, based on the progress to date.

Earned Value Data: Fiscal Year 2026 June-2026

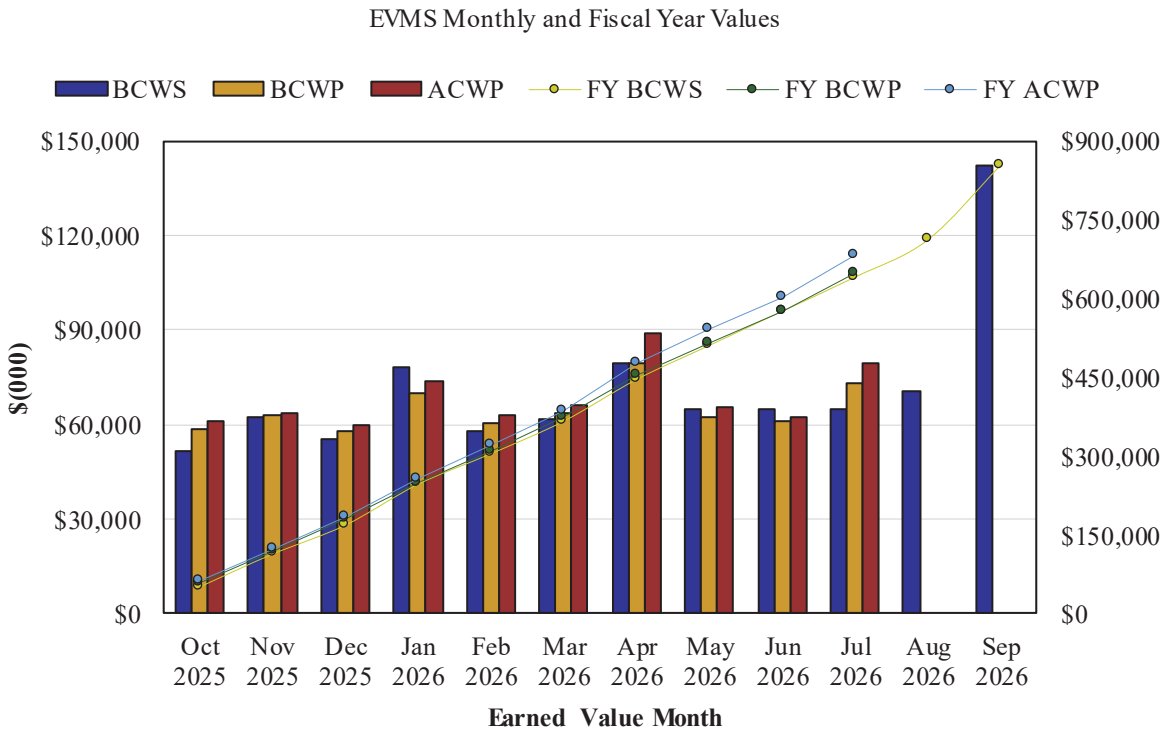
Integrated Tank Disposition Contract
Tank Waste Operations
(in $000s)

	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC	EAC	VAC
CM	$65,110	$60,995	$62,355	($4,115)	($1,360)	0.94	0.98			
FYTD	$577,067	$576,271	$604,452	($797)	($28,181)	1.00	0.95	$845,178		
CTD	$1,102,048	$1,078,199	$1,101,920	($23,849)	($23,721)	0.98	0.98	$1,370,158	$1,389,587	($19,429)

ACWP = actual cost of work performed.
BAC = budget at completion.
BCWP = budgeted cost of work performed.
BCWS = budgeted cost of work scheduled.
CM = current month.
CPI = cost performance index.
CTD = contract to date.
CV = cost variance.
EAC = estimate at completion.
FYTD = fiscal year to date.
SPI = schedule performance index.
SV = schedule variance.
VAC = variance at completion.

Earned Value Data: Fiscal Year 2026 July-2026

Integrated Tank Disposition Contract
Tank Waste Operations



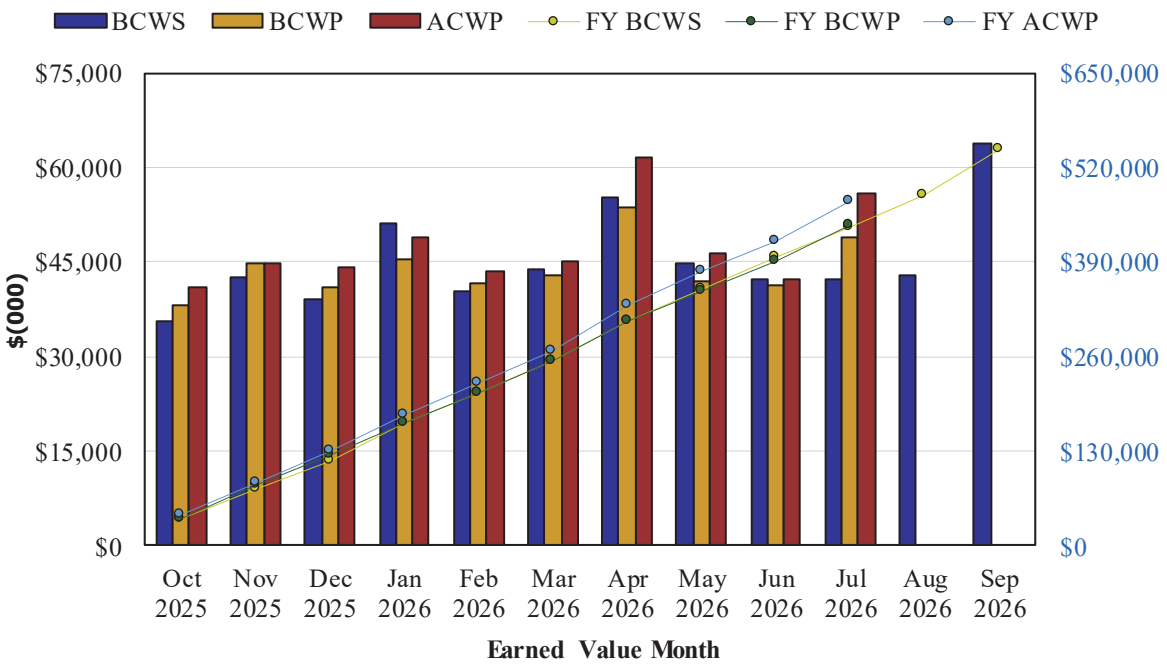
Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2025	$51,712	$58,513	$60,865	1.13	0.96	$51,712	$58,513	$60,865	1.13	0.96
Nov 2025	$62,369	$62,939	$63,779	1.01	0.99	$114,081	$121,452	$124,644	1.06	0.97
Dec 2025	$55,183	$57,674	$59,704	1.05	0.97	$169,264	$179,126	$184,348	1.06	0.97
Jan 2026	$78,075	$70,294	$73,848	0.90	0.95	$247,339	$249,420	$258,197	1.01	0.97
Feb 2026	$58,114	$60,397	$63,138	1.04	0.96	$305,453	$309,817	$321,334	1.01	0.96
Mar 2026	$62,009	$63,596	$66,190	1.03	0.96	$367,462	$373,414	$387,524	1.02	0.96
Apr 2026	$79,467	$79,611	$88,857	1.00	0.90	$446,929	$453,025	$476,381	1.01	0.95
May 2026	$65,028	$62,251	$65,715	0.96	0.95	$511,957	$515,276	$542,097	1.01	0.95
Jun 2026	$65,110	$60,995	$62,355	0.94	0.98	$577,067	$576,271	$604,452	1.00	0.95
Jul 2026	$64,983	$73,427	$79,548	1.13	0.92	$642,051	$649,698	$683,999	1.01	0.95
Aug 2026	$70,792					$712,843				
Sep 2026	$142,164					$855,006				
ITDC CTD	$1,167,031	$1,151,626	$1,181,468	0.99	0.97					

ACWP = actual cost of work performed.
BCWP = budgeted cost of work performed.
BCWS = budgeted cost of work scheduled.
CPI = cost performance index.
CTD = contract to date.
EVMS = earned value management system.
FY = fiscal year.
ITDC = *Integrated Tank Disposition Contract.*
SPI = schedule performance index.

Earned Value Data: Fiscal Year 2026 July-2026

Integrated Tank Disposition Contract
Base Operations

EVMS Monthly and Fiscal Year Values



Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2025	$35,750	$38,044	$41,140	1.06	0.92	$35,750	$38,044	$41,140	1.06	0.92
Nov 2025	$42,590	$44,821	$44,908	1.05	1.00	$78,340	$82,865	$86,048	1.06	0.96
Dec 2025	$39,147	$41,157	$44,343	1.05	0.93	$117,488	$124,021	$130,391	1.06	0.95
Jan 2026	$51,267	$45,354	$48,936	0.88	0.93	$168,755	$169,375	$179,326	1.00	0.94
Feb 2026	$40,483	$41,778	$43,639	1.03	0.96	$209,238	$211,153	$222,966	1.01	0.95
Mar 2026	$43,753	$42,990	$45,298	0.98	0.95	$252,990	$254,144	$268,264	1.00	0.95
Apr 2026	$55,301	$53,618	$61,670	0.97	0.87	$308,291	$307,761	$329,934	1.00	0.93
May 2026	$44,775	$42,093	$46,334	0.94	0.91	$353,066	$349,854	$376,268	0.99	0.93
Jun 2026	$42,357	$41,366	$42,237	0.98	0.98	$395,422	$391,220	$418,505	0.99	0.93
Jul 2026	$42,206	$49,079	$55,820	1.16	0.88	$437,629	$440,299	$474,325	1.01	0.93
Aug 2026	$43,086					$480,715				
Sep 2026	$63,845					$544,559				
ITDC CTD	$798,852	$787,742	$821,555	0.99	0.96					

ACWP = actual cost of work performed.
BCWP = budgeted cost of work performed.
BCWS = budgeted cost of work scheduled.
CPI = cost performance index.
CTD = contract to date.
EVMS = earned value management system.
FY = fiscal year.
ITDC = *Integrated Tank Disposition Contract*.
SPI = schedule performance index.

***Tank Waste Operations Assistant Manager*:** Mat Irwin
***Technical Lead*:** Robert Chase

Base Operations

The July 2026 variances below do not impact TPA milestones.

The current month favorable SV of approximately $6.87 million was primarily due to:

- FY 2026 *Integrated Tank Disposal Contract* (ITDC), Task Order 02 extension baseline/budget alignment requiring a single point adjustment
- Critical spares and fabrication schedule recovery.

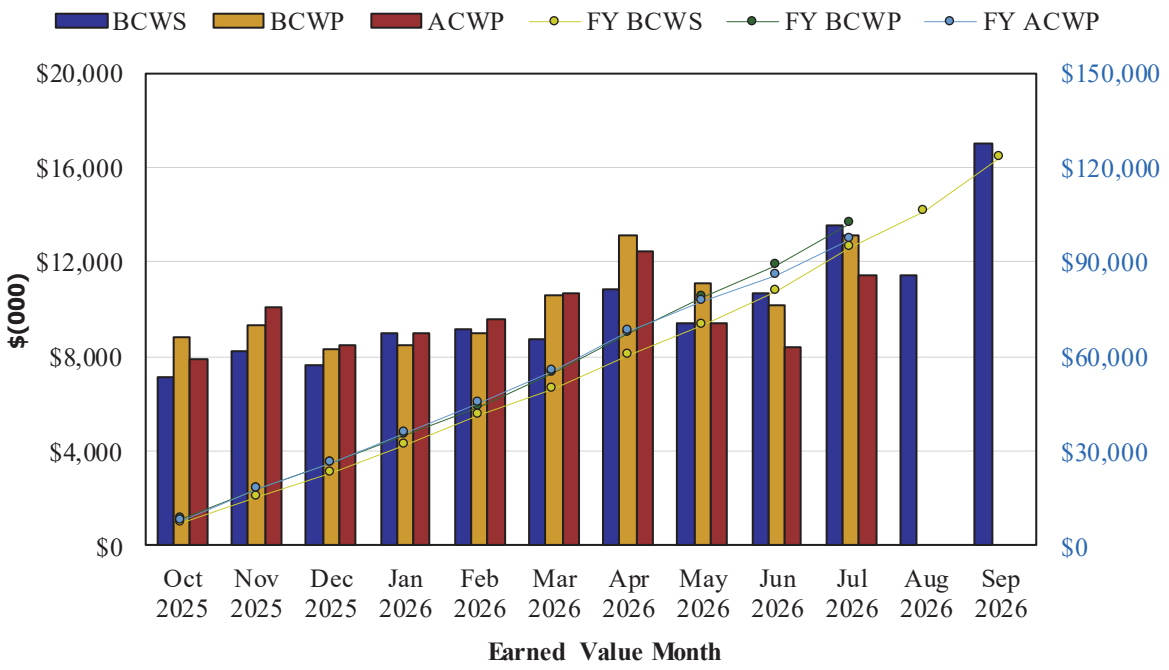
The current month unfavorable CV of approximately ($6.74 million) was primarily due to:

- FY 2026 ITDC, Task Order 02 extension baseline/budget alignment requiring a single point adjustment
- Increased labor and subcontract support across multiple ETF systems
- Crane and rigging increased subcontract usage
- TSCR weather structure fire alarm wiring redesign
- ETF operations and maintenance increased labor in support of WTP.

Earned Value Data: Fiscal Year 2026 July-2026

Integrated Tank Disposition Contract
Retrieve and Close Single-Shell Tanks

EVMS Monthly and Fiscal Year Values



Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2025	$7,159	$8,805	$7,883	1.23	1.12	$7,159	$8,805	$7,883	1.23	1.12
Nov 2025	$8,268	$9,362	$10,063	1.13	0.93	$15,427	$18,167	$17,946	1.18	1.01
Dec 2025	$7,608	$8,356	$8,505	1.10	0.98	$23,035	$26,523	$26,451	1.15	1.00
Jan 2026	$8,988	$8,504	$9,028	0.95	0.94	$32,024	$35,027	$35,478	1.09	0.99
Feb 2026	$9,157	$8,959	$9,554	0.98	0.94	$41,181	$43,986	$45,033	1.07	0.98
Mar 2026	$8,718	$10,584	$10,706	1.21	0.99	$49,898	$54,569	$55,739	1.09	0.98
Apr 2026	$10,898	$13,146	$12,437	1.21	1.06	$60,796	$67,716	$68,176	1.11	0.99
May 2026	$9,462	$11,069	$9,424	1.17	1.17	$70,258	$78,785	$77,599	1.12	1.02
Jun 2026	$10,669	$10,212	$8,439	0.96	1.21	$80,927	$88,997	$86,039	1.10	1.03
Jul 2026	$13,541	$13,173	$11,444	0.97	1.15	$94,467	$102,170	$97,482	1.08	1.05
Aug 2026	$11,479					$105,946				
Sep 2026	$17,031					$122,977				

ITDC CTD	$176,674	$178,121	$172,144	1.01	1.03

ACWP = actual cost of work performed.
BCWP = budgeted cost of work performed.
BCWS = budgeted cost of work scheduled.
CPI = cost performance index.
CTD = contract to date.
EVMS = earned value management system.
FY = fiscal year.
ITDC = *Integrated Tank Disposition Contract.*
SPI = schedule performance index.

***Tank Waste Operations Assistant Manager*:** Mat Irwin
Technical Lead: Becky Blackwell and Katherine Wong

Retrieve and Close Single-Shell Tanks

The July 2026 variances below do not impact TPA milestones.

The current month unfavorable SV of approximately ($367,000) was primarily due to:

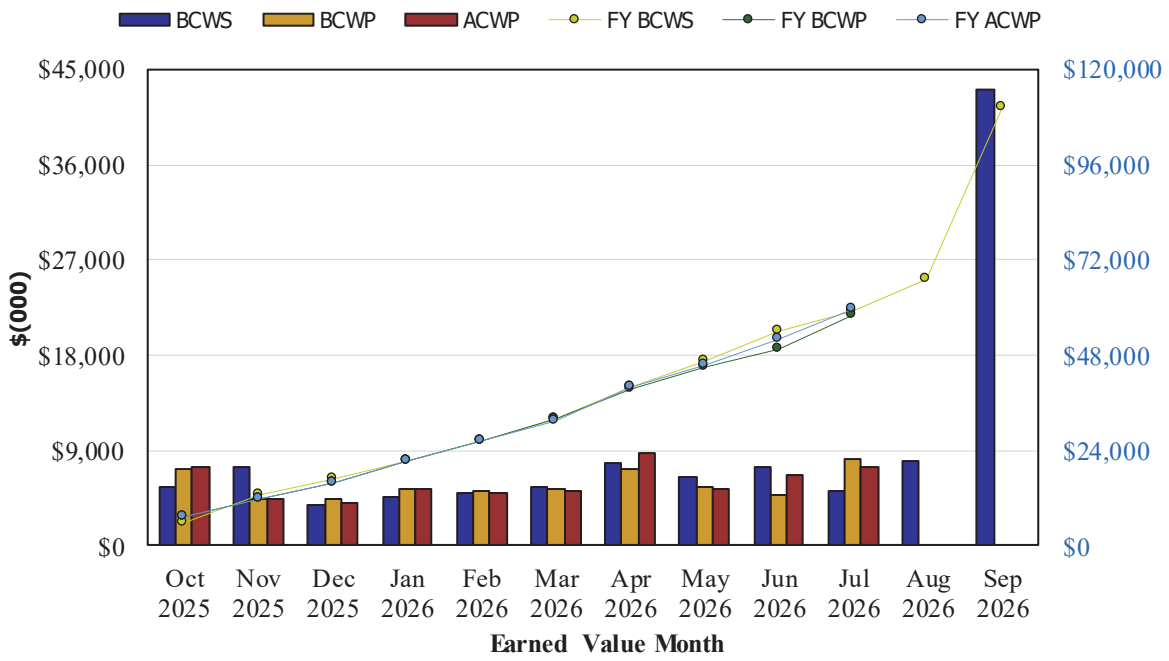
- Design delays for the S Tank Farm retrieval system
- Resequencing of activities for the Tank A-103 retrieval equipment installation.

The current month favorable CV of approximately $1.73 million was primarily due to efficiencies in waste retrieval and the strategic use of overtime for Tank A-106 retrieval operations.

Earned Value Data: Fiscal Year 2026 July-2026

Integrated Tank Disposition Contract
Waste Feed Delivery/Treatment

EVMS Monthly and Fiscal Year Values



Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2025	$5,532	$7,260	$7,486	1.31	0.97	$5,532	$7,260	$7,486	1.31	0.97
Nov 2025	$7,514	$4,443	$4,469	0.59	0.99	$13,046	$11,703	$11,955	0.90	0.98
Dec 2025	$3,845	$4,380	$4,055	1.14	1.08	$16,891	$16,083	$16,010	0.95	1.00
Jan 2026	$4,634	$5,341	$5,283	1.15	1.01	$21,524	$21,424	$21,293	1.00	1.01
Feb 2026	$4,968	$5,157	$5,014	1.04	1.03	$26,492	$26,581	$26,307	1.00	1.01
Mar 2026	$5,625	$5,329	$5,108	0.95	1.04	$32,117	$31,910	$31,415	0.99	1.02
Apr 2026	$7,781	$7,331	$8,807	0.94	0.83	$39,898	$39,241	$40,222	0.98	0.98
May 2026	$6,576	$5,579	$5,408	0.85	1.03	$46,474	$44,820	$45,630	0.96	0.98
Jun 2026	$7,496	$4,818	$6,624	0.64	0.73	$53,970	$49,638	$52,254	0.92	0.95
Jul 2026	$5,243	$8,266	$7,518	1.58	1.10	$59,212	$57,904	$59,772	0.98	0.97
Aug 2026	$7,930					$67,142				
Sep 2026	$43,137					$110,279				
ITDC CTD	$114,135	$110,944	$110,638	0.97	1.00					

ACWP = actual cost of work performed.
BCWP = budgeted cost of work performed.
BCWS = budgeted cost of work scheduled.
CPI = cost performance index.
CTD = contract to date.
EVMS = earned value management system.
FY = fiscal year.
ITDC = *Integrated Tank Disposition Contract.*
SPI = schedule performance index.

***Tank Waste Operations Assistant Manager*:** Mat Irwin
***Federal Program Manager*:** Robert Chase

Waste Feed Delivery/Treatment

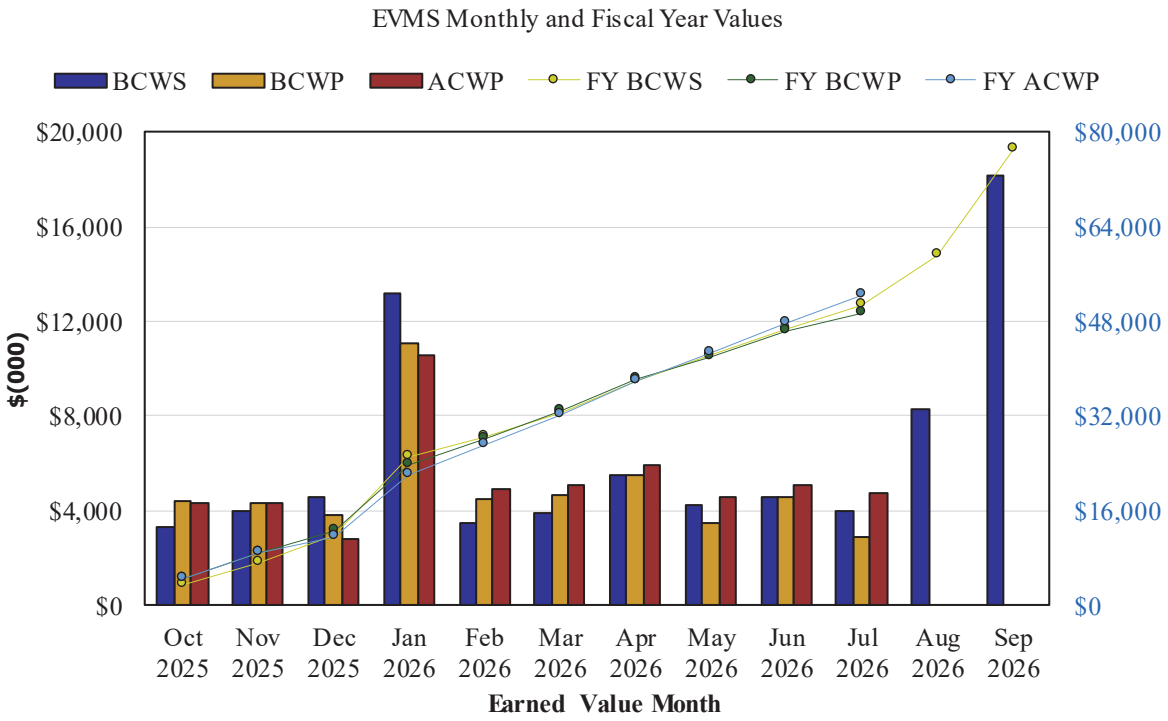
The July 2026 variances below do not impact TPA milestones.

The current month favorable SV of approximately $3.02 million was primarily due to FY 2026 ITDC Task Order 02 extension baseline/budget alignment requiring a single point adjustment.

The current month favorable CV of approximately $748,000 was due to minor control account variances falling below the reportable thresholds.

Earned Value Data: Fiscal Year 2026 July-2026

Integrated Tank Disposition Contract
Treat Waste



Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2025	$3,271	$4,404	$4,356	1.35	1.01	$3,271	$4,404	$4,356	1.35	1.01
Nov 2025	$3,996	$4,314	$4,339	1.08	0.99	$7,267	$8,718	$8,696	1.20	1.00
Dec 2025	$4,583	$3,781	$2,801	0.83	1.35	$11,850	$12,500	$11,497	1.05	1.09
Jan 2026	$13,187	$11,095	$10,602	0.84	1.05	$25,037	$23,595	$22,099	0.94	1.07
Feb 2026	$3,506	$4,503	$4,930	1.28	0.91	$28,542	$28,098	$27,029	0.98	1.04
Mar 2026	$3,914	$4,693	$5,078	1.20	0.92	$32,457	$32,791	$32,106	1.01	1.02
Apr 2026	$5,488	$5,516	$5,943	1.01	0.93	$37,945	$38,307	$38,049	1.01	1.01
May 2026	$4,216	$3,510	$4,550	0.83	0.77	$42,160	$41,817	$42,599	0.99	0.98
Jun 2026	$4,589	$4,599	$5,055	1.00	0.91	$46,749	$46,416	$47,654	0.99	0.97
Jul 2026	$3,994	$2,909	$4,767	0.73	0.61	$50,743	$49,326	$52,421	0.97	0.94
Aug 2026	$8,297					$59,040				
Sep 2026	$18,151					$77,191				
ITDC CTD	$77,370	$74,819	$77,130	0.97	0.97					

ACWP = actual cost of work performed.
BCWP = budgeted cost of work performed.
BCWS = budgeted cost of work scheduled.
CPI = cost performance index.
CTD = contract to date.
EVMS = earned value management system.
FY = fiscal year.
ITDC = integrated tank disposition contract.
SPI = schedule performance index.

***Tank Waste Operations Assistant Manager*:** Mat Irwin
***Federal Program Manager*:** Robert Chase

Treat Waste

The July 2026 variances below do not impact TPA milestones.

The current month unfavorable SV of approximately ($1.09 million) was primarily due to:

- Delays in the WARM balance of plant final design
- Delay in the AMPS infrastructure of construction trailers and bathrooms.

The current month unfavorable CV of approximately ($1.86 million) was primarily due to:

- FY 2026 ITDC Task Order 02 extension baseline/budget alignment requiring a single point adjustment
- WARM balance of plant final design increased subcontractor labor.

ADMINISTRATIVE RECORD METADATA

Milestone Number or Treatment Storage Disposal Unit Identification	Title
M-026-07E	Evaluation of Tritium Treatment Technology to EPA & Ecology
M-042-10	Complete Leak Test/Internal Inspections, or Other Tank Integrity Examination of DST Components
M-045-122	Submit RCRA Tier 3 Component Closure Plan for the 244-CR Vault
M-045-91E7	Provide SST Farms Dome Deflection Surveys Every 2 Years to Ecology
M-045-106	Submit Phase 2 RCRA Facility Investigation/Corrective Measures Study Report for WMA A-AX
M-045-109	Submit RCRA Tier 3 Component Closure Plan for All Remaining WMA C Ancillary Equipment
M-045-123	Submit RCRA Facility Investigation/Corrective Measures Study Work Plan for WMA B-BX-BY
M-062-40L	Submit System Plan to Ecology
M-062-47	Negotiate Tank Waste Retrieval Sequencing and Milestones
M-062-56	Submit Permit Application for Design and Construction of the LAWP Capability
M-062-65	Submit Critical Path Schedule for Off-Site Disposal of Low-Activity Waste from 200 West Area SSTs
M-062-66	Complete Negotiations to Establish New Milestones for Off-Site Disposal of Low-Activity Waste
M-062-68	Complete the Necessary Removal of the DST 241-SY-101 Mixer Pump
S-2-3	Double-Shell Tank System (DST)
S-2-4	Single-Shell Tank System (SST)
S-2-8	Liquid Effluent Retention Facility (LERF)
T-2-6	242-A Evaporator
T-2-8	Effluent Treatment Facility (ETF)
TS-2-1	222-S Laboratory Treatment Tanks and Storage Building
TS-2-8	Low-Activity Waste Pretreatment System (LAWPS)
WMA-A-AX	Waste Management Area A/AX
WMA-U	Waste Management Area U

Milestone Number or Treatment Storage Disposal Unit Identification	Title
WMA-B-BX-BY	Waste Management Area B/BX/BY
WMA-C	Waste Management Area C
WMA S-SX	Waste Management Area S/SX

DST = double-shell tank.
DOE = U.S. Department of Energy.
EPA = U.S. Environmental Protection Agency.
Ecology = Washington State Department of Ecology.
IX = ion exchange.
LAWP = low-activity waste pretreatment.
PA = performance assessment.
PMR = permit modification request.
RCRA = *Resource Conservation and Recovery Act*.
SST = single-shell tank.
TPA = Tri-Party Agreement.
WMA = Waste Management Area.