

200 AREA PROJECT MANAGERS MEETING (PMM) MARCH 21, 2024

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Contractor for the U.S. Department of Energy
under Contract 89303320DEM000030



**P.O. Box 1464
Richland, Washington 99352**

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Date Published
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 **CPCCo**
Central Plateau
Cleanup Company
P.O. Box 1464
Richland, Washington 99352

APPROVED

By Lynn M Ayers at 6:53 am, Mar 19, 2024

Release Approval

Date

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Tri-Party Agreement (TPA)
200 AREA PROJECT MANAGERS MEETING
Agenda
March 21, 2024

Milestones and O. U. Status- January – February 2024 Data

- Integrated Disposal Facility (IDF) (Kelly Ebert)
- 200-PW-1/3/6 and 200-CW-5 (Andy Wiborg)
- U Plant Canyon (Andy Wiborg)
- Canyon Facilities (Andy Wiborg)
- 200-CB-1 (B Plant) (Naomi Jaschke)
- 200-CP-1 (PUREX) (Jason Capron)
- 200-DV-1 (Deep Vadose Zone) (Kate Amrhein)
- 200-EA-1 (Jason Capron)
- 200-IS-1 (Jason Capron)
- 200-SW-2 (Jason Capron)
- 200-SW-1/NRDWL (Andy Wiborg)
- 200-IA-1 (Jason Capron)
- 200-OA-1, Outer Area, 200-CW-1, 200-CW-3 (Andy Wiborg)
- 200-BC-1 and 200-WA-1 (Jason Capron)
- 200-BP-5 and 200-PO-1 (John Virgin)
- 200-UP-1 (Kate Amrhein)
- 200-ZP-1 (Kate Amrhein)
- 200 West Pump & Treat Facility (Kate Amrhein)
- M-024 Well Installation (Kathy Higgins)
- Hanford Annual Groundwater Sampling Program Performance
- Central Plateau Milestone Status
- Documents for the Administrative Record and Approved TPA Change Notices

Action Items

- None for this reporting period.

Closing Comments (all)

- Sign concurrence to “Groundwater Summary by O.U.” and “Action Item List” if applicable

Appendix A - Approved Groundwater Sample Event Disposition Concurrence Forms

- None for this reporting period.

Tri-Party Agreement (TPA)
200 AREA PROJECT MANAGERS MEETING
Attendance List
Joined via Teams
March 21, 2024

NAME	ORGANIZATION	EMAIL
ALEXANDER, DEB	ECY	DEBRA.ALEXANDER@ECY.WA.GOV
AMRHEIN, KATE	DOE	KATE.AMRHEIN@RL.DOE.GOV
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HIGGINS, KATHY	DOE	KATHLEEN.HIGGINS@RL.DOE.GOV
JASCHKE, NAOMI	DOE	NAOMI.JASCHKE@RL.DOE.GOV
LEPAGE, JANE	DOH	JANE.LEPAGE@DOH.WA.GOV
MCCARTNEY, ANNE	EPA	MCCARTNEY.ANNE@EPA.GOV
MORGANS, DONNA	CPCC	DONNA_L_MORGANS@RL.GOV
NELSON, KAITLYN	DOE	KAITLYN.NELSON@RL.DOE.GOV
OCAMPO, CARINA	CPCC	CARINA_M_OCAMPO@RL.GOV
O'MARA, LAURA	CPCC	LAURA_K_OMARA@RL.GOV
PECK, GEORGE	ECY	GEPE461@ECY.WA.GOV
RODRIGUEZ, CARMEN	DOE	CARMEN.RODRIGUEZ@RL.DOE.GOV

Tri-Party Agreement (TPA)
200 AREA PROJECT MANAGERS MEETING
Attendance List
Joined via Teams
March 21, 2024

NAME	ORGANIZATION	EMAIL
SCHRAMM, GEOFF	EPA	SCHRAMM.GEOFF@EPA.GOV
SERAFIN, BILLY	CPCC	BILLY_J_SERAFIN@RL.GOV
TEMPLE, JOHN	ECY	JOHN.TEMPLE@ECY.WA.GOV
VANNAH, BEN	DOE	BENJAMIN.VANNAH@RL.DOE.GOV
VIRGIN, JOHN	DOE	JOHN.VIRGIN@RL.DOE.GOV
WIBORG, ANDERS	DOE	ANDERS.WIBORG@RL.DOE.GOV


Tri-Party Agreement (TPA)
200 AREA PROJECT MANAGERS MEETING
Meeting Minutes Approval
200 Area Groundwater and Source Operable Units
March 21, 2024

SIGNATURES:

In accordance with the Tri-Party Agreement Section 4.1, Project Manager Role, any agreements and commitments resulting from the meeting will be prepared and signed by all parties as soon as possible after the meeting. The undersigned indicate by their signatures (or their delegate's signature) that these meeting minutes reflect the actual discussion during this meeting. Signatures denote concurrence with the agreements and commitments resulting from this meeting and do not imply agreement with statements made during this meeting. Attachments to these meeting minutes are provided for informational purposes only.

APPROVAL: NAOMI JASCHKE Digitally signed by NAOMI JASCHKE
Date: 2024.04.18 06:47:29 -07'00' **DATE:** _____
200 Area Project Manager, DOE/RL

APPROVAL: Kelly A. Ebert Digitally signed by Kelly A. Ebert
Date: 2024.05.21 08:21:36 -07'00' **DATE:** _____
200 Area Project Manager, DOE/RL

APPROVAL:  Digitally signed by Welsch, Kim
(ECY)
Date: 2024.06.04 07:16:50 -07'00' **DATE:** _____
200 Area Project Manager, Ecology

APPROVAL: CRAIG CAMERON Digitally signed by CRAIG CAMERON
Date: 2024.06.03 15:59:52 -07'00' **DATE:** _____
200 Area Project Manager, EPA

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Milestones and O.U. Status
January - February Data
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Integrated Disposal Facility – IDF

Ecology Lead

RL – Kelly Ebert, CPCCo – Tim Wintle

Milestone M-062-57: *Integrated Disposal Facility Operational.*

- Due Date: 9/30/2023, Status: Complete 4/03/2023, reference DOE letter 23-PFD-000808 submitted to Ecology.
- IDF (Active Life) Operating Permit Class 3 Modification appeal – DOE and ECY agreed to a joint stipulation that narrows the focus of the appeal to the permit conditions associated with the decontamination shower requirement.
- ECY responded to the “demonstration” documentation - determining that DOE and CPCCo “failed to demonstrate that the hazards posed by waste... do not require a decontamination shower.”
- The active life permit became effective as of 9/27/23 and IDF can begin construction of the treatment pad.
- Construction of the treatment pad started, with excavation on 10/16/23. The concrete pour was completed on 12/4/23 and curing began.
- The Settlement Agreement signed 3/4/24 provides for a portable drench shower near one or both MO2269 (mobile support office) and/or MO2342 (restroom shower trailer) when leachate is transferred and when waste is treated on the pad.
- The topographical map for IDF has been revised. The map will be forwarded for internal review the week of 4/8/24.

Regulatory Agency Comments: None

200-PW-1/3/6 and CW-5

EPA Lead

RL – A. Wiborg, CPCCo – D. Singleton

- Limited funding is provided to support replanning.
- Please note that EPA has not agreed to any delays in this schedule and expects the RD/RAWP schedule to be followed since it is an enforceable part of the remedial action work plan. Any proposed changes to the schedule need to be discussed in a timely manner.
- A limited RD/RAWP revision was completed to update the schedule for the PW-3 and CW-5 remediation scope.

Regulatory Agency Comments: None

U Plant Canyon

EPA Lead

RL – A. Wiborg, CPCCo – TBD “Will be updated when information is available”.

Milestone M-016-200A: *Complete U Plant canyon (221 U facility) demolition.*

- Due Date: 9/30/2024, Status: In Abeyance. Milestone identified to be In Abeyance by Inter-Agency Management Integration Team (IAMIT) Determination 2021-002 until such time as the Parties agree to an enforceable date for the milestones or the Adaptive Milestone Approach is discontinued. On 4/27/2022, the Parties approved the *Tentative Agreement on the Negotiation of Hanford Federal Facility Agreement and Consent Order Revisions for Near-Term Milestones for Central Plateau Operable Units*, and the 45-day public comment period concluded 08/19/2022. The Final Approval Package was approved on 1/19/2023. New milestone M-016-200 in approved TPA Change Control Form (CCF) M-16-22-02 requires DOE to submit a draft CCF by 6/30/2024 to re-establish the due date of this milestone.

Milestone M-016-200B: *Complete U Plant (221 U facility) Barrier Construction.*

- Due Date: 9/30/2027, Status: In Abeyance. Milestone identified to be In Abeyance by IAMIT Determination 2021-002 until such time as the Parties agree to an enforceable date for the milestones or the Adaptive Milestone Approach is discontinued. On 4/27/2022, the Parties approved the *Tentative Agreement on the Negotiation of*

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Hanford Federal Facility Agreement and Consent Order Revisions for Near-Term Milestones for Central Plateau Operable Units, and the 45-day public comment period concluded 08/19/2022. The Final Approval Package was approved on 1/19/2023. New milestone M-016-200 in approved CCF M-16-22-02 requires DOE to submit a draft CCF by 6/30/2024 to re-establish the due date of this milestone.

Regulatory Agency Comments: None

Canyon Facilities

EPA/Ecology Lead

RL – A. Wiborg, CPCCo –D. Singleton

B Plant:

- Nothing new to report.

REDOX:

- Nothing new to report.

PUREX:

- On 9/15/2023 DOE completed demolition of the 203A/205A tank yard. RCRA sampling for clean closure is on-going and a letter of completion with a facility status change form is being developed.
- A letter of completion that will include the Facility Status Change Form will be drafted and sent.



View of 203A/205A Tank Yard after demolition

Milestone M-085-76: *Initiate Response Actions for B Plant Remedial/Removal Action Work Plan.*

- Due date: 9/30/2025, Status: On Schedule.

Milestone M-085-84: *Initiate Response Actions for PUREX in accordance with Schedule in Approved Remedial/RAWP.*

- Due date: 9/30/2025, Status: On Schedule.

Milestone M-085-84B: *Complete Demolition of PUREX Ancillary Facilities 203A Building/Tank Yard and 205A Building.*

- Due date: 9/30/2023, Status: Completed September 18, 2023.

Milestone M-085-84C: *Complete Infrastructure Upgrades to Support Demolition Preparation of the PUREX Complex.*

- Due date: 9/30/2024, Status: On Schedule.

Milestone M-085-84D: *Initiate Utility System Isolations for the PUREX Complex.*

- Due date: 9/30/2025, Status: On Schedule.

Milestone M-085-86: Submit a Modification to the PUREX RAWP a Schedule for White Powder Removal.

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- Due date: **3/30/2025**, Status: On Schedule.

Regulatory Agency Comments: ECY agrees that M-085-84B Milestone has been met but the Facility Status Change form still needs to be signed.

200-CB-1 (B Plant)

Ecology Lead

RL- Naomi Jaschke, CPCCo – Bill Faught

- Nothing new to report. Not funded in FY24.
- Due date: 09/30/2019; Status: In Abeyance. Milestone identified to be In Abeyance by IAMIT Determination 2021-002 until such time as the Parties agree to an enforceable date for the milestones or the Adaptive Milestone Approach is discontinued. On 4/27/2022, the Parties approved the *Tentative Agreement on the Negotiation of Hanford Federal Facility Agreement and Consent Order Revisions for Near-Term Milestones for Central Plateau Operable Units*, and the 45-day public comment period concluded 08/19/2022. The Final Approval Package was approved on 1/19/2023. New milestone M-085-71 in approved CCF M-85-22-02 requires DOE to submit a draft CCF by 6/30/2024 to re-establish the due date of this milestone.

Milestone M-037-28: *Submit a Coordinated Closure (CC) Proposal as a permit modification request for TSDs in 221-B Canyon Facility.*

- Due Date: Withing 270 days of the last CAD/ROD signature for the 200-CB-1 OU, but no later than 9/30/2024; Status: On Schedule.

Regulatory Agency Comments: None

200-CP-1 (PUREX)

Ecology Lead

RL-Naomi Jaschke, CPCCo– Bill Faught

- Ecology comments on the Draft Rev. 0 RI/FS Work Plan and Milestone M-085-81 were received 11/13/23 and are being dispositioned. Comment resolution has been extended through March 29, 2024 (23-NWP-170).

Milestone M-037-29: *Submit Coordinated Closure Proposal as a permit modification request pursuant to WAC 173-303-830(4) for the following TSD Units: PUREX Tunnels 1 and 2 and all TSD Units in the PUREX Canyon Facility.*

- Due Date: Within 270 days of the last CAD/ROD signature for the 200-CP-1 OU, but no later than 9/30/2034; Status: On Schedule.

Regulatory Agency Comments: None

200-DV-1

Ecology Lead

RL –Kate Amrhein, CPCCo – Ryan Carter

- Experiments testing different technologies for deployment in the vadose zone, perched water, or as a permeable reactive barrier at the water table below 200-DV-1 OU continue.

Milestone M-015-110B: *Submit Corrective Measures Study & Feasibility Study Report and Proposed Plan/Proposed Corrective Action Decision for the 200-DV-1 OU to Ecology.*

- Due date: 09/30/2023, Status: In Abeyance. Milestone identified to be In Abeyance by IAMIT Determination 2021-002 until such time as the Parties agree to an enforceable date for the milestones or the Adaptive Milestone

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Approach is discontinued. On 4/27/2022, the Parties approved the *Tentative Agreement on the Negotiation of Hanford Federal Facility Agreement and Consent Order Revisions for Near-Term Milestones for Central Plateau Operable Units*, and the 45-day public comment period concluded 08/19/2022. The Final Approval Package was approved on 1/19/2023. New milestone M-015-118 in approved CCF M-15-22-02 requires DOE to submit a draft CCF by 6/30/2024 to re-establish the due date of this milestone.

The volume of groundwater treated, and mass of constituents extracted from 200-DV-1 Perched Water during January - February 2024

Month	Volume (gal)	Uranium (kg)	Technetium-99 (Ci)
January	22,000	3.8	2.2x10 ⁻³
February	24,000	3.9	2.4x10 ⁻³

Note - numbers shown are estimates; actual numbers are reported in the annual P&T reports.

Cumulative values of the volume of groundwater treated and mass of constituents extracted from 200-DV-1 Perched Water

	Volume (gal)	Uranium (kg)	Technetium-99 (Ci)
Cumulative FY2024	121,000	22.1	16.1x10 ⁻³
Cumulative (2017 to current)	21,761,000	451.33	3.35x10 ⁻¹

Note - Numbers shown are estimates; actual numbers are reported in the annual P&T reports.

Note - Values include treatability test extraction and removal action extraction.

Note - Interpolated data method was used to recalculate mass constituents extracted and volume of groundwater treated

Regulatory Agency Comments: None

200-EA-1

Ecology Lead

RL- Jason Capron, CPCCo – Bill Faught

- Preparations to redraft the 200-EA-1 RI/FS work plan to incorporate RASCAL agreement elements started in July 2021. DQO sessions with Ecology and EPA were held in September 2022. The document is being revised to a Draft B. CPCCo has completed internal review and comment disposition. DOE comments on the Decisional Draft B were received December 21, 2023. Draft B is being prepared for regulator review.

Milestone M-015-92B: *Submit RFI/CMS & RI/FS Report and Proposed Corrective Action Decision/Proposed Plan for the 200-EA-1 OU (Central Plateau 200 East Inner Area) to Ecology.*

- Due date: 11/30/2022, Status: In Abeyance. Milestone identified to be In Abeyance by IAMIT Determination 2021-002 until such time as the Parties agree to an enforceable date for the milestones or the Adaptive Milestone Approach is discontinued. On 4/27/2022, the Parties approved the *Tentative Agreement on the Negotiation of Hanford Federal Facility Agreement and Consent Order Revisions for Near-Term Milestones for Central Plateau Operable Units*, and the 45-day public comment period concluded 08/19/2022. The Final Approval Package was approved on 1/19/2023. New milestone M-015-118 in approved CCF M-15-22-02 requires DOE to submit a draft CCF by 6/30/2024 to re-establish the due date of this milestone.

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Milestone M-037-20: *Submit Coordinated Closure Proposal for 4 Specified TSDs if Requesting Use of Alternative Closure Requirements*

- Due date: Submit concurrently with M-015-92B (currently In Abeyance).

Milestone M-037-21: *Submit Coordinated Closure Proposal as a permit modification request pursuant to WAC 173-303-830(4) for the following TSD Units: 216-A-29 Ditch, 216-A-36B Crib, 216-A-37-1 Crib, and 216-B-63 Trench.*

- Due Date: Within 270 days of the last CAD/ROD signature for the 200-EA-1 OU, but no later than 9/30/2034.
- Status: On Schedule.

Regulatory Agency Comments: None

200-IS-1

Ecology Lead

RL- Jason Capron, CPCCo – Dave Becker

- Nothing new to report. Not funded in FY24.

Milestone M-015-112: *Submit Draft B, 200-IS-1 OU Pipeline System Waste Sites RFI/CMS/RI/FS work plan to Ecology, including a schedule of completion dates for major tasks and deliverables.*

- Due date: 11/30/2020, Status: In Abeyance. Milestone identified to be In Abeyance by IAMIT Determination 2021-002 until such time as the Parties agree to an enforceable date for the milestones or the Adaptive Milestone Approach is discontinued. On 4/27/2022, the Parties approved the *Tentative Agreement on the Negotiation of Hanford Federal Facility Agreement and Consent Order Revisions for Near-Term Milestones for Central Plateau Operable Units*, and the 45-day public comment period concluded 08/19/2022. The Final Approval Package was approved on 1/19/2023. New milestone M-015-92F in approved CCF M-15-22-02 requires DOE to submit a draft CCF by 6/30/2024 to re-establish the due date of this milestone.

Milestone M-015-92C: *Submit the RFI/CMS & RI/FS Report and Proposed Corrective Action Decision/Proposed Plan for the 200-IS-1 OU to Ecology.*

- Due date: 3/31/2023, Status: In Abeyance. Milestone identified to be In Abeyance by IAMIT Determination 2021-002 until such time as the Parties agree to an enforceable date for the milestones or the Adaptive Milestone Approach is discontinued. On 4/27/2022, the Parties approved the *Tentative Agreement on the Negotiation of Hanford Federal Facility Agreement and Consent Order Revisions for Near-Term Milestones for Central Plateau Operable Units*, and the 45-day public comment period concluded 08/19/2022. The Final Approval Package was approved on 1/19/2023. New milestone M-015-118 in approved CCF M-15-22-02 requires DOE to submit a draft CCF by 6/30/2024 to re-establish the due date of this milestone.

Milestone M-037-25: *Submit CCP for Inactive SST Components Outside WMAs if Requesting Alternative Closure Requirements.*

- Due date: Submit concurrently with M-015-92C (currently In Abeyance)

Milestone M-037-24: *Submit Coordinated Closure Proposal as a permit modification request pursuant to WAC 173-303-830(4) for the following TSD Units: 241-CX Tank System (CX-70, CX-71, and CX-72) and Inactive SST Components outside the WMAs.*

- Due Date: Within 270 days of the last CAD/ROD signature for the 200-IS-1 OU, but no later than 9/30/2034.
- Status: On Schedule.

Regulatory Agency Comments: None

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200-SW-2

Ecology Lead

RL- Jason Capron, CPCCo – Dave Becker

- Nothing new to report. Not funded in FY24.

Milestone M-015-93C: *Initiate Characterization Field Work for 200-SW-2 Operable Unit Landfills.*

- Due date: 09/30/2018, Status: In Abeyance. Milestone identified to be In Abeyance by IAMIT Determination 2021-002 until such time as the Parties agree to an enforceable date for the milestones or the Adaptive Milestone Approach is discontinued. On 4/27/2022, the Parties approved the *Tentative Agreement on the Negotiation of Hanford Federal Facility Agreement and Consent Order Revisions for Near-Term Milestones for Central Plateau Operable Units*, and the 45-day public comment period concluded 08/19/2022. The Final Approval Package was approved on 1/19/2023. New milestone M-015-118 in approved CCF M-15-22-02 requires DOE to submit a draft CCF by 6/30/2024 to re-establish the due date of this milestone.

Milestone M-015-93B: Submit RFI/CMS & RI/FS Report and Proposed CAD/PP for 200-SW-2 OU.

- Due date: 01/31/2023, Status: In Abeyance. Milestone identified to be In Abeyance by IAMIT Determination 2021-002 until such time as the Parties agree to an enforceable date for the milestones or the Adaptive Milestone Approach is discontinued. On 4/27/2022, the Parties approved the *Tentative Agreement on the Negotiation of Hanford Federal Facility Agreement and Consent Order Revisions for Near-Term Milestones for Central Plateau Operable Units*, and the 45-day public comment period concluded 08/19/2022. The Final Approval Package was approved on 1/19/2023. New milestone M-015-118 in approved CCF M-15-22-02 requires DOE to submit a draft CCF by 6/30/2024 to re-establish the due date of this milestone.

Milestone M-037-26: *Submit CCP for Green Island TSDs in LLBG if Requesting Use of Alternative Closure Requirements.*

- Due date: Submit concurrently with M-015-93B (currently In Abeyance).

Milestone M-037-27: *Submit Coordinated Closure Proposal as a permit modification request pursuant to WAC 173-303-830(4) for the following TSD Units: Low-Level Burial Grounds Green Islands*

- Due Date: Within 270 days of the last CAD/ROD signature for the 200-SW-2 OU, but no later than 9/30/2034.
Status: On Schedule.

Regulatory Agency Comments: None

200-SW-1/NRDWL

Ecology Lead

RL- A. J. Wiborg, CPCCo- Bob Bullock

- The 60% design for the NRDWL cover is complete.
- DOE provided a copy of the Functional Design Criteria for the Final Cover for the SWL and NRDWL (SGW-46275 Revision 1) to Ecology for document review.
- Ecology submitted a draft CCF to DOE-RL for review on 1/10/2023, which proposes two new TPA interim milestones to complete the permit application for closure of the Non-Radioactive Dangerous Waste Landfill (NRDWL), including the contiguous Solid Waste Landfill. DOE reviewed the draft CCF and submitted the draft to Ecology for review on 2/28/2023 (90% design).
- Ecology provided revised draft CCF TPA milestone language to DOE on 3/17/2023. DOE will be briefing Brian Vance during the week of April 25, 2023, for consideration and possible approval.
- On 4/25/2023, RL and Ecology approved TPA Change Control Form M-16-23-01, which created two new TPA interim Milestones M-016-210 and M-016-211 for submittal of permit modification requests for closure of NRDWL, including the contiguous SWL.

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- Drafted Final Status closure plan for NRDWL per agreement and in coordination with TPA Milestones M-016-210 and M-016-211. Met with Ecology on 8/10/23 to review remaining changes being made to address Ecology concerns. The plan was certified, and copies sent to Ecology at sitewidemods@ecy.wa.gov on October 4, 2023 for inclusion in the Rev 9A draft. The plan was formally submitted to ECY on February 22, 2024 by letter 24-ECD-0026.
- The section on soil gas monitoring is “RESERVED”. Ecology will internally discuss the current soil gas monitoring at locations around the perimeter of SWL. The soil gas monitoring at NRDWL ended with the conclusion of the NRDWL soil gas study in 1997.

Milestone M-016-210: *Submit PMR with 90% Design for Final Landfill Cover, Including Closure Schedule for NRDWL and SWL.*

- Due date: 08/31/2026, Status: On Schedule.

Milestone M-016-211: *Submit PMR with Updated Post-Closure Plan, Including Groundwater Monitoring Plan for NRDWL and SWL.*

- Due date - 180 days after Ecology's approval of the 90% cover design submitted in Milestone M-016-210; Status: On Schedule.

Regulatory Agency Comments: None

200-IA-1

EPA and Ecology Joint Lead
 RL- Jason Capron, CPCCo – Dave Becker

- The Focused Feasibility Study (FFS) for the 200-IA-1 OU was transmitted to EPA and Ecology as Draft A on March 25, 2022. EPA and Ecology reviewed the Draft A document; EPA transmitted review comments on April 21, 2022, and Ecology transmitted review comments on April 28, 2022. On June 2, 2022, as a result of comments received preparation of the FFS and Proposed Plan was paused to facilitate planning for supplemental characterization of representative sites.
- Supplemental Characterization Sampling and Analysis Plan (SAP) and Waste Control Plan (WCP) have been completed.
- Field work planning for supplemental characterization SAP execution is ongoing; geophysical investigation planned to begin March 25, 2024.

Regulatory Agency Comments: None

200-OA-1, Outer Area, 200-CW-1, and 200-CW-3

EPA Lead
 RL- A. Wiborg, CPCCo – Bill Faught, Paul Branson

Milestone M-016-202: *Complete response actions (confirmatory sampling and remove treat dispose, as required) for 10 waste sites in the Outer Area and confirmatory sampling for an additional 5 waste sites in the Outer Area.*

- Due Date: 9/30/2024; Status: On Schedule.
- 600-227 and 200-E-46 closure documentation complete and submitted to the administrative record.
- Waste site reclassification forms (WSRFs) for CTFN 2703-E, 600-71, 600-359, 600-360, 600-394, 600-355, 600-389 have been signed by DOE and EPA. The remaining sites verification packages (RSVP) for these sites are in final format/technical edit.
- Draft RSVPs are in progress for 600-387, 600-361, 600-388, 600-365.
- A white paper has been generated for waste site 600-391, to say that any additional work to remove contamination is out of scope, a MOA would need to be put in place for further remediation.

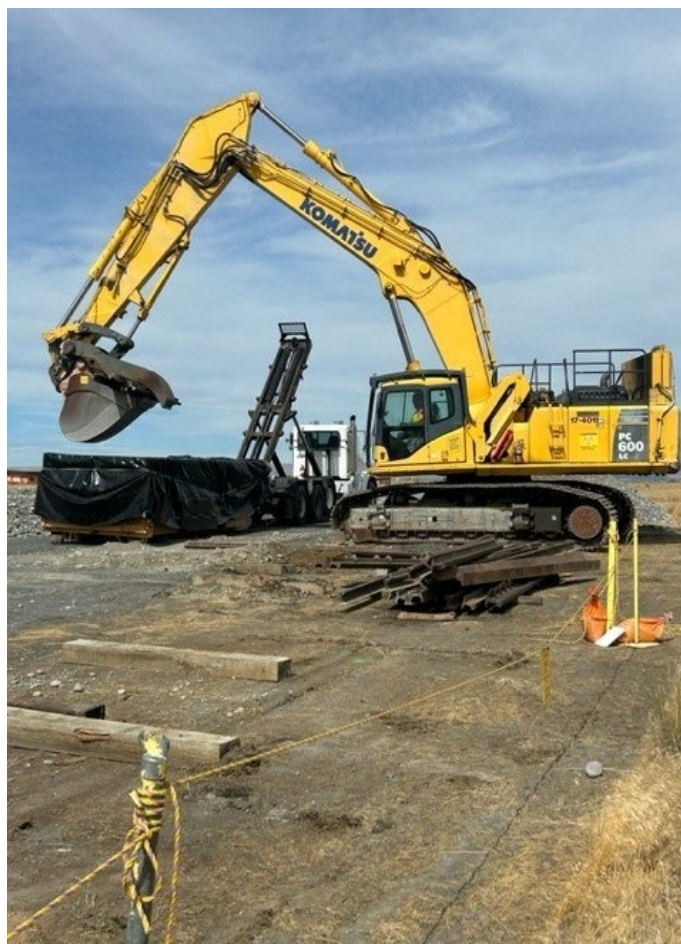
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- The cultural and ecological clearance letter for 600-362, 600-363 and 600-392 waste sites are still being worked on by HMIS. Comments still being worked on by DOE Cultural.



Completed 600-391 Poly 2 Remediation

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Rail loadout at waste site 600-387



600-387 Sampling

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600-355 Backfill



600-361 Backfill

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600-387 Backfill Stockpiles

Milestone M-015-38B: *Submit FS/PP for 200-CW-1, 200-CW-3 and 200-OA-1 OUs to EPA.*

- Due date: 07/31/2023, Status: In Abeyance. Milestone identified to be In Abeyance by IAMIT Determination 2021-002 until such time as the Parties agree to an enforceable date for the milestones or the Adaptive Milestone Approach is discontinued. On 4/27/2022, the Parties approved the *Tentative Agreement on the Negotiation of Hanford Federal Facility Agreement and Consent Order Revisions for Near-Term Milestones for Central Plateau Operable Units*, and the 45-day public comment period concluded 08/19/2022. The Final Approval Package was approved on 1/19/2023. New milestone M-015-119 in approved CCF M-15-22-02 requires DOE to submit a draft CCF by 6/30/2024 to re-establish the due date of this milestone.

Milestone M-037-22: *Submit CC Proposal for 2 Specified TSDs if Requesting Use of Alternative Closure Requirements.*

- Due Date: Submit concurrently with M-015-38B (currently In Abeyance).

Milestone M-037-23: *Submit Coordinated Closure Proposal as a permit modification request pursuant to WAC 173-303-830(4) for the following TSD Units: 216-B-3 Main Pond system and 216-S-10 Pond and Ditch.*

- Due Date: Within 270 days of the last CAD/ROD signature for the 200-OA-1 OU, but no later than 9/30/2034; Status: On Schedule.

Regulatory Agency Comments: Ecology asking about doing a cost of removing railroad lines for future use.

200-BC-1 and 200-WA-1

EPA Lead

RL- J. Capron, CPCCo – Bill Faught

- 200-WA-1 RI/FS and 200-BC-1 work plan has been revised to incorporate the RASCAL approach and address other work plan changes. The Revision 1 was approved 3/7/24 and is in transmittal process.
- 200-BC-1 modeling per work plan Task 4 is underway. Kick-off meeting was held with EPA January 23, 2024.

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Milestone M-015-98: *Complete remedial investigation of U Plant related waste sites located in 200-WA-1 in accordance with the WA-1 RI/FS Work Plan.*

- Due date 06/30/2019, Status: In Abeyance. Milestone identified to be In Abeyance by IAMIT Determination 2021-002 until such time as the Parties agree to an enforceable date for the milestones or the Adaptive Milestone Approach is discontinued. On 4/27/2022, the Parties approved the *Tentative Agreement on the Negotiation of Hanford Federal Facility Agreement and Consent Order Revisions for Near-Term Milestones for Central Plateau Operable Units*, and the 45-day public comment period concluded 08/19/2022. The Final Approval Package was approved on 1/19/2023. New milestone M-015-119 in approved CCF M-15-22-02 requires DOE to submit a draft CCF by 6/30/2024 to re-establish the due date of this milestone.

Milestone M-015-99: *Complete remedial investigation of PFP related waste sites located in 200-WA-1 in accordance with the 200-WA-1 and 200-BC-1 RI/FS Work Plan.*

- Due date 12/31/2019, Status: In Abeyance. Milestone identified to be In Abeyance by IAMIT Determination 2021-002 until such time as the Parties agree to an enforceable date for the milestones or the Adaptive Milestone Approach is discontinued. On 4/27/2022, the Parties approved the *Tentative Agreement on the Negotiation of Hanford Federal Facility Agreement and Consent Order Revisions for Near-Term Milestones for Central Plateau Operable Units*, and the 45-day public comment period concluded 08/19/2022. The Final Approval Package was approved on 1/19/2023. New milestone M-015-119 in approved CCF M-15-22-02 requires DOE to submit a draft CCF by 6/30/2024 to re-establish the due date of this milestone.

Milestone M-015-84: *Complete RI of 200-WA-1 and 200-BC-1 Waste Sites in Accordance with RI/FS Work Plan.*

- Due date 12/31/2021, Status: In Abeyance. Milestone identified to be In Abeyance by IAMIT Determination 2021-002 until such time as the Parties agree to an enforceable date for the milestones or the Adaptive Milestone Approach is discontinued. On 4/27/2022, the Parties approved the *Tentative Agreement on the Negotiation of Hanford Federal Facility Agreement and Consent Order Revisions for Near-Term Milestones for Central Plateau Operable Units*, and the 45-day public comment period concluded 08/19/2022. The Final Approval Package was approved on 1/19/2023. New milestone M-015-119 in approved CCF M-15-22-02 requires DOE to submit a draft CCF by 6/30/2024 to re-establish the due date of this milestone.

Milestone M-015-91B: *Submit FS/PP for the 200-BC-1/200-WA-1 OUs to EPA.*

- Due date 07/31/2023, Status: In Abeyance. Milestone identified to be In Abeyance by IAMIT Determination 2021-002 until such time as the Parties agree to an enforceable date for the milestones or the Adaptive Milestone Approach is discontinued. On 4/27/2022, the Parties approved the *Tentative Agreement on the Negotiation of Hanford Federal Facility Agreement and Consent Order Revisions for Near-Term Milestones for Central Plateau Operable Units*, and the 45-day public comment period concluded 08/19/2022. The Final Approval Package was approved on 1/19/2023. New milestone M-015-119 in approved CCF M-15-22-02 requires DOE to submit a draft CCF by 6/30/2024 to re-establish the due date of this milestone.

Regulatory Agency Comments: None

200-BP-5 and 200-PO-1

Ecology Lead

RL – J. Virgin, CPCCo – Bill Faught

- The Performance Monitoring Plan (PMP) (DOE/RL-2020-41-ADD1)/Sampling and Analysis Plan (SAP) (-ADD3), Hydrologic Test Plan (HTP)-ADD4 and the Remedial Design Report (RDR)-ADD5 are being developed as addenda to the RD/RA work plan (DOE/RL-2020-41).
- The Draft A PMP and SAP review comments from Ecology were received on March 12, 2024.
- A revision to the 200 West Pump and Treat Facility O&M Plan was drafted as a change notice (5B). The change notice incorporates interim remedial action modifications and additions to the B Complex and C/A-AX Farms and

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integration with the new ion exchange treatment train for Tc-99 at 200 W P&T. The document is with DOE for final approval of comment dispositions.

- Work on the Remedial Design Report (RDR, ADD 5) continues for CPCCo responding to DOE comments on the Decisional Draft.
- Work on the HTP (ADD 4) DOE comments continues.
- Extraction well 299-E27-157 in 200-BP-5, near the C Farm, has been drilled and constructed as of October 24, 2023 and awaiting connection to the P&T Network. Well drilling at 299-E27-240 near the A-AX Farms in 200-PO-1 has advanced to about 310 feet bgs as of March 20, 2024. Hydraulic testing was completed for the uppermost groundwater interval with 4 additional tests planned. Initial technetium-99 results ranged from 2300 to 3400 pCi/L.
- A revision to DOE/RL-2014-33 *Sampling and Analysis Plan for the 200-BP-5 Groundwater Operable Unit* is being prepared. This SAP identifies monitoring to support the post-RI period until a final remedial action decision is made.

**The volume of groundwater treated, and mass of constituents extracted from 200-BP-5 during
January - February 2024**

Month	Volume (mgal)	Cyanide (kg)	Uranium (kg)	Technetium-99 (Ci)	Iodine-129 (Ci)*
January	7.03	2.97	2.0	8.32×10^{-2}	4.48×10^{-5}
February	6.80	3.01	1.9	7.89×10^{-2}	5.05×10^{-5}

Note – values shown are accumulated and reported in the annual P&T reports.

* Removed from the aquifer, but not treated before injection into the 200 West aquifer with the 200 West P&T treated effluent.

Cumulative volume of treated groundwater and mass of constituents extracted from 200-BP-5

	Volume (mgal)	Cyanide (kg)	Uranium (kg)	Technetium-99 (Ci)	Iodine-129 (Ci)*
Cumulative CY2024	94.60	38.76	26.47	1.13	6.29×10^{-4}
Cumulative (2015 to current)	594.83	377.36	257.0	9.33	4.60×10^{-3}

Note – values include treatability test extraction and removal action extraction.

Note- Interpolated method was used to calculate mass of extracted contaminants.

* Removed from the aquifer, but not treated before injection into the 200 West aquifer with the 200 West P&T treated effluent.

Regulatory Agency Comments: None

200-UP-1

EPA Lead

RL – Kate Amrhein, CPCCo – Bill Faught

- Draft A of the I-129 Technical Impracticability Evaluation was sent to RL and EPA on November 1, 2022, and their comments arrived on January 4, 2023, and have been addressed. The dispositions were sent to EPA for review on April 27, 2023. The revisions were made to Draft A and further progress is on hold pending a schedule for a final ROD.
- Drilling of replacement monitoring well 699-35-70B (for upgradient ERDF well 699-36-70A) began 6/5/2023; temporary casing became stuck and could not be removed by the driller and decommissioning of 699-35-70B was completed on January 29, 2024.
- To replace 699-35-70B, well 699-35-70C was drilled approximately 5 m to the west and completed on 1/29/2024. A TPA-CN for the ERDF groundwater protection plan to replace 35-70B with 35-70C is underway.
- Replacement well 299-W19-136 (for 299-W19-43 near U Plant) began drilling on 12/13/2023; well development underway. Revised drilling SAP for 200-UP-1 being prepared with internal review planned for late March 2024.

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- Approximately 108 million gallons of groundwater were pumped from the UP-1 extraction wells in calendar year 2023 as part of the remedial action.

The volume of groundwater treated, and mass of constituents extracted from 200-UP-1 during January - February 2024

Month	Volume (Mgal)	Carbon Tetrachloride (kg)	Chromium (kg)	Uranium (kg)	Nitrogen in NO ₃ (kg)*	Nitrate (kg)*	Iodine-129 (Ci)*	Technetium-99 (Ci)	Cyanide (kg)
January	9.2	1.04	0.32	0.56	311	1,379	9.62E-06	1.8E-02	NR
February	9.1	1.02	0.31	0.54	305	1,349	9.42E-06	1.8E-02	NR

Cumulative values of the volume of groundwater treated and mass of constituents extracted from 200-UP-1

	Volume (Mgal)	Carbon Tetrachloride (kg)	Chromium (kg)	Uranium (kg)	Nitrogen in NO ₃ (kg)*	Nitrate (kg)*	Iodine-129 (Ci)*	Technetium-99 (Ci)	Cyanide (kg)
Cumulative FY2024	46.5	5.87	1.55	4.20	1,382	6,119	10.8E-05	9.9E-02	NR
Cumulative (2012 to current)	1,113	286.14	72.92	97.43	59,453**	240,946**	3.17E-03	5.85	NR

Note - numbers shown are estimates; actual numbers are reported in the annual P&T reports.

Note- Interpolated method used to calculate mass of extracted contaminants. Note – values include available data from extraction before 200W Pump & Treat operation.

* Removed from the aquifer, but not treated before injection into the 200 West aquifer with the 200 West P&T treated effluent

** Represents the total nitrate mass in extracted groundwater by the 200-UP-1 remedial action. Nitrate treatment was suspended in October 2019 for the 200-ZP-1 OU Optimization Study. Prior to suspension of biological treatment, a total of 132,308 kg of nitrate (29,888 kg nitrogen in NO₃) was removed from groundwater extracted from the 200-UP-1 OU.

NR = not reported

Regulatory Agency Comments: None

200-ZP-1

EPA Lead

RL – Kate Amrhein, CPCCo – Ryan Carter

- Continued implementing the Optimization Study Plan (DOE/RL-2019-38, Rev. 0) to collect the data needed to evaluate remedy performance enhancements and remedy configuration changes associated with P&T operations.
- Completed construction of extraction wells 299-W14-30/D0137 and 299-W14-32/D0139. Began construction of extraction well 299-W14-28/D0135. Continued drilling of extraction well 299-W14-31 (D0138).
- Sampling for total and free cyanide continues at monthly and quarterly frequencies at wells within the BP-5 and ZP-1 OUs and at the 200 West P&T. Monitoring wells 299-W10-26 and 299-W14-18 continues to be above 200 µg/L federal MCL for total cyanide (289 and 384 µg/L, respectively in Feb. 2024), while 299-W14-11 is below the 200 µg/L MCL (48.4 µg/L in Feb. 2024).
- The 200-ZP-1 extraction well pumping continued at an average flow rate of approximately 1,925 gpm and 2,057 gpm for January and February, respectively.

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**The volume of groundwater treated, and mass of constituents extracted from 200-ZP-1
during January - February 2024**

	Volume (Mgal)	Carbon Tetrachloride (kg)	Trichloro- ethylene (kg)	Chromium (kg)	Nitrogen in NO3 (kg)*	Nitrate (kg)*	Technetium- 99 (Ci)	Iodine-129 (Ci)*	Cyanide (kg)
November	86	87.69	0.71	8.837	8,659	38,315	0.072	2.3x10 ⁻⁴	0.45
December	88	82.85	0.67	8.522	8,435	37,279	0.071	2.3x10 ⁻⁴	0.43

Note - numbers shown are estimates; actual numbers are reported in the annual P&T reports.

* Removed from the aquifer, but not treated before injection into the 200 West aquifer with the 200 West P&T treated effluent

Cumulative values of the volume of groundwater treated and mass of constituents extracted from 200-ZP-1

	Volume (Mgal)	Carbon Tetrachloride (kg)	Trichloro- ethylene (kg)	Chromium (kg)	Nitrogen in NO3 (kg)*	Nitrate (kg)*	Technetium- 99 Removed (Ci)	Iodine-129 Removed (Ci)*	Cyanide (kg)
Cumulative FY2024	442	456.2	3.73	43.928	43,681	193,283	0.3293	1.2x10 ⁻³	2.4
Cumulative (2012 to current)	10,160	22,384	144.52	564.56	1,326,595**	5,869,889**	6.11	2.4x10 ⁻²	76.86

Note - numbers shown are estimates; actual numbers are reported in the annual P&T reports.

Note- Interpolated method used to calculate mass of extracted contaminants. Note – values include available data from extraction before 200W Pump & Treat operation.

* Removed from the aquifer, but not treated before injection into the 200 West aquifer with the 200 West P&T treated effluent

Regulatory Agency Comments: None

200 West Pump & Treat Facility

EPA Lead

RL – Kate Amrhein, CPCCo – Ryan Carter

- Pumping continued at the 200 West P&T and flows currently average 2,446 gpm.
- BP-5/PO-1 Tc-99 IX Train: The IX trains are installed in 289TA, a water flow test has been performed circulating water through the IX vessels using utility water. Currently the PO-1/BP-5 wells and pumping system in 200E area are pending completion. Installation of mechanical and electrical systems will continue in the future.

**The volume of groundwater treated, and mass of constituents removed by the 200 West P&T Facility during
January - February 2024**

Month	Volume (Mgal)	Carbon Tetrachloride (kg)	Trichloroethylene (kg)	Chromium (kg)	Tc-99 (Ci)	Cyanide (kg)	Uranium (kg)
January	102.18	88.61	0.61	0.17	1.40E-01	3.05	6.13
February	101.84	83.75	0.57	0.0	1.34E-01	3.10	6.11

Note - numbers shown are estimates; actual numbers are reported in the annual P&T reports.

Note – I-129 not included because not removed by the 200W Pump & Treat facility.

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**Cumulative values of the volume of groundwater treated and mass of constituents removed
by the 200 West P&T Facility**

	Volume (Mgal)	Carbon Tetra- chloride (kg)	Trichloro- ethylene (kg)	Chromium (kg)	Nitrogen in NO3 (kg)*	Nitrate (kg)*	Tc-99 (Ci)	Cyanide (kg)	Uranium (kg)
Cumulative FY2024	524.36	461.59	3.23	2.17	NA	NA	7.1E-01	17.6	34.6
Cumulative (2012 to current)	11,871	22,649	131.20	551.82	493,644	2,186,276	21.14	390.31	794.03

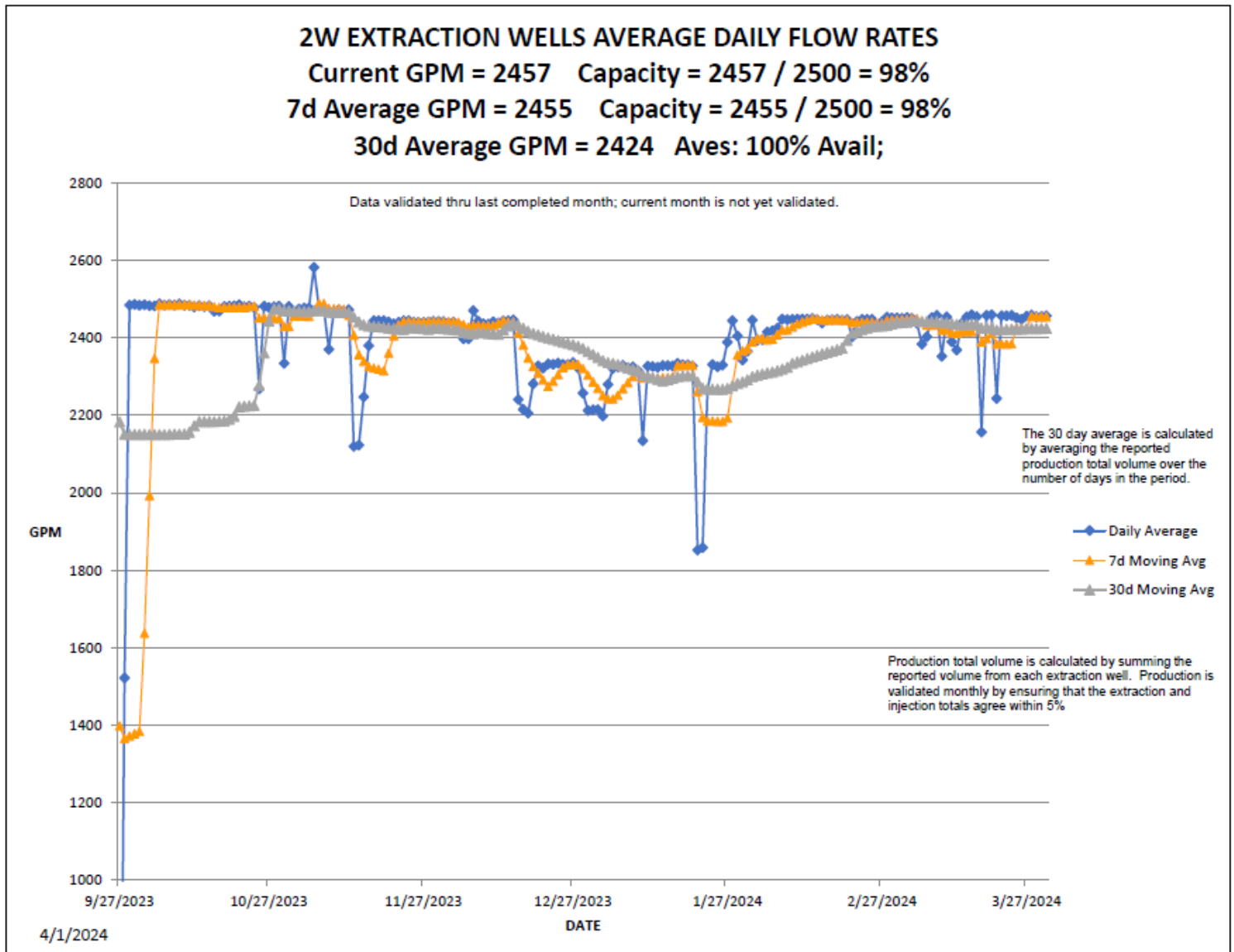
Note - numbers shown are estimates; actual numbers are reported in the annual P&T reports.

Note- Interpolated method used to calculate mass of treated contaminants.

Note – I-129 not included because not removed by the 200W Pump & Treat facility.

* Nitrate treatment was suspended in October 2019 for the 200-ZP-1 OU Optimization Study.

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Regulatory Agency Comments: None

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M-024 Well Installation

Ecology Lead

RL - Kathy Higgins, CPCCo - Jennifer Richart

Milestone M-024-74: *Complete the Construction of All Well Listed for CY23 and Before.*

- Due Date 12/31/2023, Status: Completed, reference DOE letter 24-SGD-0001 dated 1/09/2024, which documents completion of this milestone on 12/20/2023.

Milestone M-024-58Q: *Initiate Discussion of Well Commitments.*

- Due date 06/01/2024, Status: On Schedule.

Target Date M-024-75-T01: *Conclude Discussion of Well Commitments Initiated Under M-024-58.*

- Due date 08/01/2024, Status: On Schedule.

Milestone M-024-75: *Complete the Construction of All Well Listed for CY24 and Before.*

- Due Date 12/31/2024, Status: On Schedule
 - Wells 699-35-70C/D0562, 699-63-30/D0078, 699-64-28/D0079 and 699-40-70A/D0141 are complete.
 - Wells, 299-W14-28/D0135, 299-E25-240/D0119, 299-W19-136/D0271, 299-W14-30/D0137, 299-W14-32/D0139 are in progress.

Target Date M-024-76-T01: *Conclude Discussion of Well Commitments Initiated Under M-024-58.*

- Due date 08/01/2025, Status: On Schedule.

Milestone M-024-76: *Complete the Construction of All Well Listed for CY25 and Before.*

- Due Date 12/31/2025, Status: On Schedule

Target Date M-024-77-T01: *Conclude Discussion of Well Commitments Initiated Under M-024-58.*

- Due date 08/01/2026, Status: On Schedule.

Milestone M-024-77: *Complete the Construction of All Well Listed for CY26 and Before.*

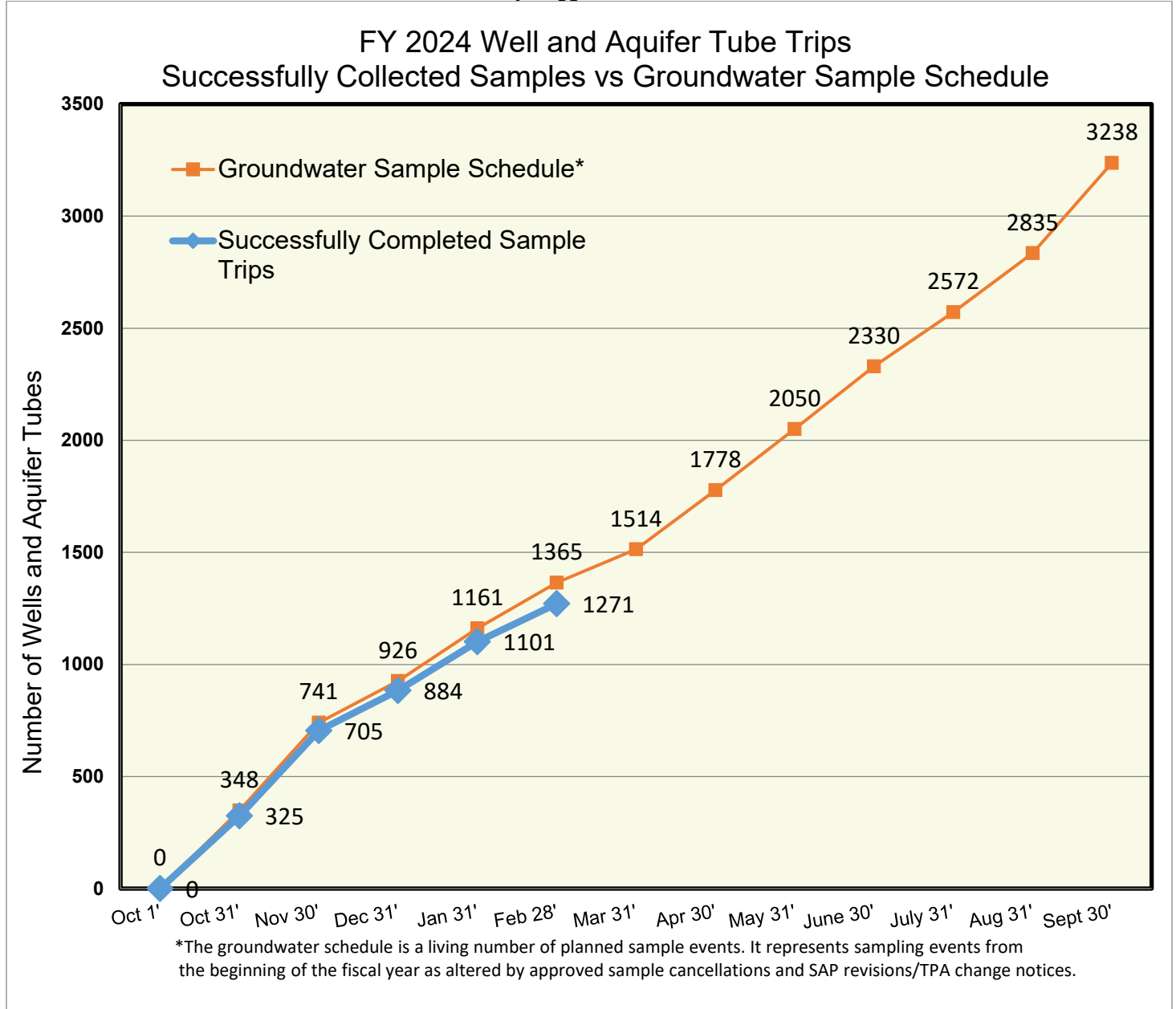
- Due Date 12/31/2026, Status: On Schedule

Regulatory Agency Comments: None

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Hanford Annual Groundwater Sampling Program Performance

RL - Kathy Higgins, CPCCo – R. Fox



*Appendix A contains all the Groundwater Sample Event Disposition Concurrence Forms approved in January and February 2024.

Regulatory Agency Comments: None

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Central Plateau Milestone Status

MS#	Title	Due Date
Fiscal Year 2018		
M-015-93C	Initiate Characterization Field Work for the 200-SW-2 OU Landfills	9/30/2018 In Abeyance
Fiscal Year 2019		
M-015-98	Complete Remedial Investigation of U Plant Related Waste Sites located in 200-WA-1 in accordance with the WA-1 RI/FS Work Plan	6/30/2019 In Abeyance
M-085-70	Submit to Ecology a RI/FS Work Plan for 200-CB-1	9/30/2019 In Abeyance
Fiscal Year 2020		
M-015-99	Complete Remedial Investigation of PFP Related Waste Sites located in 200-WA-1 in accordance with the 200-WA-1 and 200-BC-1 RI/FS Work Plan.	12/31/2019 In Abeyance
Fiscal Year 2021		
M-015-112	Submit Draft B 200-IS-1 RFI/CMS/RI/FS Work Plan to Ecology with Schedule Dates	11/30/2020 In Abeyance
Fiscal Year 2022		
M-015-84	Complete RI of 200-WA-1 and 200-BC-1 Waste Sites in Accordance with RI/FS Work Plan	12/31/2021 In Abeyance
Fiscal Year 2023		
M-015-92B	Submit RFI/CMS, RI/FS Study report and Proposed CAD/PP for 200-EA-1	11/30/2022 In Abeyance
M-037-20	Submit Coordinated Closure Proposal for the 4 Specified TSDs if Requesting Use of Alternative Closure Requirements	Submit concurrently with M-015-92B
M-015-93B	Submit RFI/CMS & RI/FS Report and Proposed CAD/PP for 200-SW-2 OU	1/31/2023 In Abeyance
M-037-26	Submit Coordinated Closure Proposal for Green Island TSDs in LLBG if Requesting Use of Alternative Closure Requirements	Submit concurrently with M-015-93B
M-015-92C	Submit RFI/CMS & RI/FS Report and PCAD/PP for 200-IS-1 OU to Ecology	3/31/2023 In Abeyance
M-037-25	Submit Coordinated Closure Proposal for Inactive SST Components Outside WMAs if Requesting Alternative Closure Requirements	Submit concurrently with M-015-92C
M-024-58P	Initiate Discussions of Well Commitments	6/01/2023 Complete
M-015-38B	Submit FS/PP for 200-CW-1, 200-CW-3 and 200-OA-1 OUs	7/31/2023 In Abeyance
M-037-22	Submit Coordinated Closure Proposal for the 2 Specified TSDs if Requesting Use of Alternative Closure Requirements	Submit concurrently with M-015-38B
M-015-91B	Submit FS/PP for the 200-BC-1 and 200-WA-1 OUs to EPA	7/31/2023 In Abeyance
M-024-74-T01	Conclude Discussions of Well Commitments Initiated Under M-024-58	8/01/2023 Complete
M-015-110B	Submit CMS & FS and PCAD/PP for 200-DV-1 OU	9/30/2023 In Abeyance
M-062-57	Integrated Disposal Facility (IDF) Operational	9/30/2023 Complete

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MS#	Title	Due Date
M-085-84B	Complete Demolition of PUREX Ancillary Facilities 203A Building/Tank Yard and 205A Building	09/30/2023 Completed 09/18/2023
Fiscal Year 2024		
M-024-74	Complete the Construction of All Wells Listed for CY23 and Before	12/31/2023 Completed 12/20/2023
M-024-58Q	Initiate Discussions of Well Commitments	06/01/2024 On Schedule
M-015-92F	Submit Draft CCF with Date for Milestone M-015-112 for Submittal of 200-IS-1 OU RFI/CMS/RI/FS WP	6/30/2024 On Schedule
M-015-118	Submit Draft CCF with New Dates for Milestones M-015-92B/M-015-92C/M-015-93B/M-015-93C/M-015-110B	6/30/2024 On Schedule
M-015-119	Submit Draft CCF with New Dates for Milestones M-015-38B/M-015-84/M-015-91B/M-015-98/M-015-99	6/30/2024 On Schedule
M-015-120	Submit Draft CCF Proposing Milestones for Central Plateau Cleanup for Period FY 2025-2027	6/30/2024 On Schedule
M-016-200	Submit Draft CCF with New Dates for Milestones M-016-200A and M-016-200B	6/30/2024 On Schedule
M-085-71	Submit Draft CCF with New Date for Milestone M-085-70	6/30/2024 On Schedule
M-024-75-T01	Conclude Discussions of Well Commitments Initiated Under M-024-58	08/01/2024 On Schedule
M-016-200A	Complete U Plant Canyon (221 U Facility) demolition	9/30/2024 In Abeyance
M-016-202	Complete Response Actions for 10 Waste Sites and Sampling for Additional 5 Waste Sites in Outer Area	9/30/2024 On Schedule
M-085-84C	Complete Infrastructure Upgrades to Support Demolition Preparation of the PUREX Complex	09/30/2024 On Schedule
Fiscal Years 2025-2027		
M-024-75	Complete the Construction of All Wells Listed for CY24 and Before	12/31/2024 On Schedule
M-085-86	Submit a Modification to the PUREX RAWP a Schedule for White Powder Removal	3/30/2025 On Schedule
M-085-76	Initiate response actions for the B Plant geographic area	9/30/2025 On Schedule
M-085-84	Initiate response actions for the PUREX Operable Unit	9/30/2025 On Schedule
M-085-84D	Initiate Utility System Isolations for the PUREX Complex	9/30/2025 On Schedule
M-085-01	Submit change package to establish a date for major milestone M-085-00	6/30/2026 On Schedule
M-015-00	Complete the RI/FS (or RFI/CMS) Process for All Non-Tank Farm Operable Units	6/30/2026 At Risk
M-024-77-T01	Conclude discussions of well commitments initiated under M-024-58	8/01/2026 On Schedule
M-016-210	Submit PMR with 90% Design for Final Landfill Cover, Including Closure Schedule for NRDWL and SWL	8/31/2026 On Schedule

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MS#	Title	Due Date
M-016-211	Submit PMR with Updated Post-Closure Plan, Including Groundwater Monitoring Plan for NRDWL and SWL	180 days after Ecology's approval of the 90% cover design submitted in Milestone M-016-210
M-085-90	Submit RI/FS Work Plan for 200-CR-1	9/30/2026 On Schedule
M-024-77	Complete the Construction of All Wells Listed for CY26 and Before	12/31/2026 On Schedule
M-026-07E	Evaluation of Tritium Treatment Technology to EPA & Ecology	3/31/2027 On Schedule
M-016-200B	Complete U Plant (221 U Facility) barrier construction	9/30/2027 In Abeyance

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200 AREA PROJECT MANAGERS MEETING
Milestones and O.U. Status
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Documents Submitted to the Administrative Record

Number	Title	Referencing Document	Referencing Document Title
ECF-200E-23-0072	Groundwater Elevation Mapping for 200 East Area - Quarter 1 Calendar Year 2023	Annual Reports	Annual Reports
ECF-200W-23-0087	Groundwater Elevation Mapping for 200 West Area - Quarter 1 Calendar Year 2023	Annual Reports	Annual Reports
ECF-HANFORD-23-0088	Hydraulic Gradient and Average Linear Groundwater Velocity Calculation - Quarter 4 Calendar Year 2022	Annual Reports	Annual Reports
ECF-200ZP1-23-0085	Calculation of Temporal Trends and Confidence Limits for Chromium and Cyanide in Groundwater at Waste Management Area TX-TY through Calendar Year 2022	Annual Reports	Annual Reports
RPP-PLAN-61150, R0	Sampling and Analysis Plan for Catch Tank 241-UX-302A Liquid	DOE/RL-2010-49, R1	200-WA-1 RIFS WP
RPP-RPT-59852, R2	Final Report for Catch Tank 241-UX-302A Grab Samples in Support of Tank Farm Waste Compatibility	DOE/RL-2010-49, R1	200-WA-1 RIFS WP
ECF-200UP1-22-0054, R0	Scenario Evaluation for 200-UP-1 Pump and Treat Optimization FY 2022	Annual Reports	Annual Reports
DOE/RL-2023-33	600-227 Remaining Sites Verification Package	DOE/RL-2023-33	600-227 Remaining Sites Verification Package
DOE/RL-2023-29	200-E-46 Remaining Sites Verification Package	DOE/RL-2023-29	200-E-46 Remaining Sites Verification Package
SGW-68897-VA, R0	200 West Pump & Treat Facility CY2022 4th Quarter Briefing	SGW-69345, R0	200-ZP-1 OU Remedial Process Optimization/Remedial Action Objective Assessment for CY2022
ECF-HANFORD-23-0116	Hydraulic Gradient and Average Linear Groundwater Velocity Calculation - Quarter 1 Calendar Year 2023	N/A	N/A
96-EAP-223	Revised Treatment, Storage, and Disposal Facility Unmanifested Dangerous Waste Report	N/A	N/A
ECF-200BP5-23-0105	Calculation of Temporal Trends and Confidence Limits for Chromium and Cyanide in Groundwater at Waste Management Area C through Calendar Year 2022	N/A	N/A
ECF-200E-23-0117	Groundwater Elevation Mapping for 200 East Area - Quarter 3 Calendar Year 2023	N/A	N/A
4H700-PED-01-002	New Source Review Evaluation and Radioactive Air Emissions Notice of Construction Evaluation for the 11 L Tank(T Plant Canyon, 221 T)	DOE/RL-2021-22	T Plant Complex Cell 11L Closure Plan
PNNL-30163	Aquifer Hydraulic Testing and Characterization Plan for the Ringold Formation Unit A in the Hanford 200-ZP-1 Groundwater Operable Unit and Vicinity	Annual Reports	Annual Reports
SGW-68897-VA, R0	200 West Pump & Treat Facility CY2022 4thQuarter Briefing	SGW 69394, R0	200-ZP-1 OU Remedial Process Optimization/Remedial Action Objective Calendar Year 2022 Assessment
SGW-70001-VA, R0	200 West Pump & Treat Facility CY2023 4th Quarter Briefing	Annual Reports	Annual Reports
SGW-69396	Borehole Summary Report for the Installation of Two Wells in the 200-UP-1 Operable Unit, FY23	Annual groundwater monitoring reports	Hanford Site Groundwater Monitoring Report for 2023

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Number	Title	Referencing Document	Referencing Document Title
SGW-69397	Borehole Summary Report for the Installation of One Dual Purpose Well in the 200-UP-1 Groundwater Operable Unit, FY23	Annual groundwater monitoring reports	Hanford Site Groundwater Monitoring Report for 2023
SGW-69790	Borehole Summary Report for the Installation of One Extraction Well in the 200-BP-5 Operable Unit, FY 2023	Annual groundwater monitoring reports	Hanford Site Groundwater Monitoring Report for 2023
ECF-200E-23-0072	Groundwater Elevation Mapping for 200 East Area - Quarter 1 Calendar Year 2023	Annual Reports	Annual Reports
ECF-200W-23-0087	Groundwater Elevation Mapping for 200 West Area - Quarter 1 Calendar Year 2023	Annual Reports	Annual Reports
ECF-HANFORD-23-0088	Hydraulic Gradient and Average Linear Groundwater Velocity Calculation - Quarter 4 Calendar Year 2022	Annual Reports	Annual Reports
ECF-200ZP1-23-0085	Calculation of Temporal Trends and Confidence Limits for Chromium and Cyanide in Groundwater at Waste Management Area TX-TY through Calendar Year 2022	Annual Reports	Annual Reports
RPP-PLAN-61150, R0	Sampling and Analysis Plan for Catch Tank 241-UX-302A Liquid	DOE/RL-2010-49, R1	200-WA-1 RIFS WP
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DOE/RL-2023-33	600-227 Remaining Sites Verification Package	DOE/RL-2023-33	600-227 Remaining Sites Verification Package
DOE/RL-2023-29	200-E-46 Remaining Sites Verification Package	DOE/RL-2023-29	200-E-46 Remaining Sites Verification Package
SGW-68897-VA, R0	200 West Pump & Treat Facility CY2022 4th Quarter Briefing	SGW-69345, R0	200-ZP-1 OU Remedial Process Optimization/Remedial Action Objective Assessment for CY2022
ECF-HANFORD-23-0116	Hydraulic Gradient and Average Linear Groundwater Velocity Calculation - Quarter 1 Calendar Year 2023	N/A	N/A
96-EAP-223	Revised Treatment, Storage, and Disposal Facility Unmanifested Dangerous Waste Report	N/A	N/A
ECF-200BP5-23-0105	Calculation of Temporal Trends and Confidence Limits for Chromium and Cyanide in Groundwater at Waste Management Area C through Calendar Year 2022	N/A	N/A
ECF-200E-23-0117	Groundwater Elevation Mapping for 200 East Area - Quarter 3 Calendar Year 2023	N/A	N/A
4H700-PED-01-002	New Source Review Evaluation and Radioactive Air Emissions Notice of Construction Evaluation for the 11 L Tank (T Plant Canyon, 221 T)	N/A	N/A
ECF-200UP1-22-0054, R0	Scenario Evaluation for 200-UP-1 Pump and Treat Optimization FY 2022	Annual Reports	Annual Reports
SGW-69311	600-71 Data Usability Assessment	RSVP	RSVP
SGW-69597	600-360 Data Usability Assessment	RSVP	RSVP
ECF-HANFORD-23-0109, R0	Preparation of the March 2023 Hanford Site Water Table Map	Annual Reports	Annual Reports

Regulatory Agency Comments: None

Tri-Party Agreement (TPA)
200 AREA PROJECT MANAGERS MEETING
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Approved TPA Change Notices

Number	Title	Description of Change

Regulatory Agency Comments: None

Monthly Performance Report Assessment

The DOE Project Managers have identified **no outstanding issues** with the preceding month's Environmental Performance Report for this scope.

Tri-Party Agreement (TPA)
200 AREA PROJECT MANAGERS MEETING
Action Items List, March 21, 2024

OPEN ACTION ITEM TRACKING

Action #	Action/Subject	Assigned To	Owed To	Assigned Date	Original Due Date	Adjusted Due Date	Status
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