

200 AREA PROJECT MANAGERS MEETING (PMM) MAY 21, 2020

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

Contractor for the U.S. Department of Energy
under Contract DE-AC06-08RL14788

CH2MHILL
Plateau Remediation Company

**P.O. Box 1600
Richland, Washington 99352**

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Date Published
June 2020

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APPROVED
By Janis D. Aardal at 2:55 pm, Jun 15, 2020

Release Approval

Date

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PROJECT MANAGERS MEETING
200 AREA GROUNDWATER and SOURCE OPERABLE UNITS
May 21, 2020

FINAL MEETING MINUTES

Electronic Distribution to:

Meeting Attendees
Administrative Record
Correspondence Control

**200 AREA PROJECT MANAGERS MEETING
Attachments List
May 21, 2020**

Minutes of the 200 Area Project Managers Meeting are attached. Minutes are comprised of the following:

- | | |
|---------------------|-----------------------------------------------------------------------------------------|
| Attachment 1 | Agenda |
| Attachment 2 | Attendees Sign In Sheets |
| Attachment 3 | Signature Approval Page |
| Attachment 4 | Milestones and O. U. Status, March - April Data |
| Attachment 5 | Documents Entered into the AR and Approved Change Notices
March - April Data |
| Attachment 6 | Action Item List |

**200 AREA PROJECT MANAGERS MEETING
AGENDA
May 21, 2020**

Milestones and O. U. Status- January – February 2020 Data

- 200-PW-1/3/6 and 200-CW-5
- U Plant Canyon
- Canyon Facilities
- 200-CB-1 (B Plant)
- 200-CP-1 (PUREX)
- 200-CR-1 (REDOX)
- Waste Site Removal
- Deep Vadose Zone
- 200-EA-1
- 200-IS-1
- 200-SW-2
- 200-SW-1
- 200-OA-1, 200-CW-1, 200-CW-3
- 200-BC-1 and 200-WA-1
- 200-BP-5 and 200-PO-1
- 200-UP-1
- 200-ZP-1
- 200 Area Groundwater/200 West P&T Facility
- 200 Area RCRA TSD Closures
- Milestone Status

Documents for the Administrative Record and Approved TPA Change Notices

Action Items

Closing Comments (all)

- Sign concurrence to “Groundwater Summary by O.U.” and “Action Item List” if applicable
- EPA and ECY are reminding DOE that project documents are to be sent to the Project Managers.

**200 Area Project Managers Status Meeting
May 21, 2020
Joined via Microsoft Teams**

PRINTED NAME	ORGANIZATION	O.U. ROLE	TELEPHONE
Bobby Long	DOE	PM	372-7754
Al Farabee	DOE		376-8089
Bob Cathel	CHPRC		376-1513
Theresa Bergman	CHPRC		376-1669
Mike Cline	DOE		376-6070
Randal Fox	CHPRC		373-6024
Ben Simes	EPA		202-564-0527
Kelly Whitley	CHPRC		373-4929
Andy Wiborg	DOE		376-9238
Shannan Hardziej	WDOH		537-2054
Mostafa Kamal	DOE		376-0289
Scott Davis	MSA	TPA	376-8757
Deborah Singleton	CHPRC		373-7689
Dave St John	CHPRC		373-9775
Laura O'Mara	CHPRC	Admin	373-9763
Dib Goswami	DOE		372-7902
Craig Cameron	EPA	Various	376-8665
Brigette Weese	ECY	Unit Lead	372-7936
Jim Hanson	DOE		373-9068
Kelly Elsethagan	DOE		372-7923
Heather Medley	CHPRC		373-6909
Stephanie Brasher	MSA	TPA	373-6230
Kim Welsch	ECY	PM	372-7882
Kelly Ebert	DOE		376-7756
Shelley Cimon	ODOE		541-240-0161
Kate Amrhein	DOE		376-9391
Mark French	DOE		373-9863
Ellwood Glossbrenner	DOE		376-5828
Michael Kruzic	CHPRC		373-7685
Lorna Dittmer	CHPRC		376-7017

**Meeting Minutes Transmittal/Approval
Project Managers' Meeting
200 Area Groundwater and Source Operable Units
May 21, 2020**

APPROVAL: Michael W. Cline Digitally signed by Michael W. Cline
Date: 2020.05.28 13:43:02 -07'00' **DATE:** 5/28/2020
200 Area Project Manager, DOE/RL

APPROVAL: Mark S. French Digitally signed by Mark S. French
Date: 2020.06.03 12:01:58 -07'00' **DATE:** 5/28/2020
200 Area Project Manager, DOE/RL

APPROVAL: CRAIG CAMERON Digitally signed by CRAIG
CAMERON
Date: 2020.06.04 10:31:18 -07'00' **DATE:** 5/28/2020
200 Area Project Manager, EPA

APPROVAL:  Digitally signed by Welsch, Kim
(ECY)
Date: 2020.06.03 13:21:53 -07'00' **DATE:** 5/28/2020
200 Area Project Manager, Ecology

HFFACO Action Plan Section 4.1 requires signature of agreements and commitments made during the Project Manager Meeting. Approval of these minutes documents approval of agreements and commitments documented in these minutes. Approval does not apply to any other attachments, which are included in these minutes for informational purposes.

200 AREA PROJECT MANAGERS MEETING

Milestones and O.U. Status

March – April 2020 Data

May 21, 2020

200-PW-1/3/6 and CW-5 EPA Lead (RL- Robert Long, CHPRC – Jill Thomson)

Limited funding is provided to support replanning in FY2020.

- Request and obtain project funding (FY16-18).
- CD-0, Approve mission need (FY18).
- CD-0 to CD-1, Approve alternative selection and cost range (FY18-20).
- A number of items are listed in the PW 1/3/6 RD/RA Work Plan for FY16-19. Would DOE confirm in the meeting minutes if any of these activities have been started and if any funds have been spent to date on these items?
- Please note that EPA has not agreed to any delays in this schedule and expects the RD/RA WP 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.
- Monthly meetings are ongoing with EPA to strategize the project.
- Any removal actions for stabilization activities at waste sites identified in the ROD require concurrence from EPA to ensure that it will not affect the ability to implement the selected remedial action.

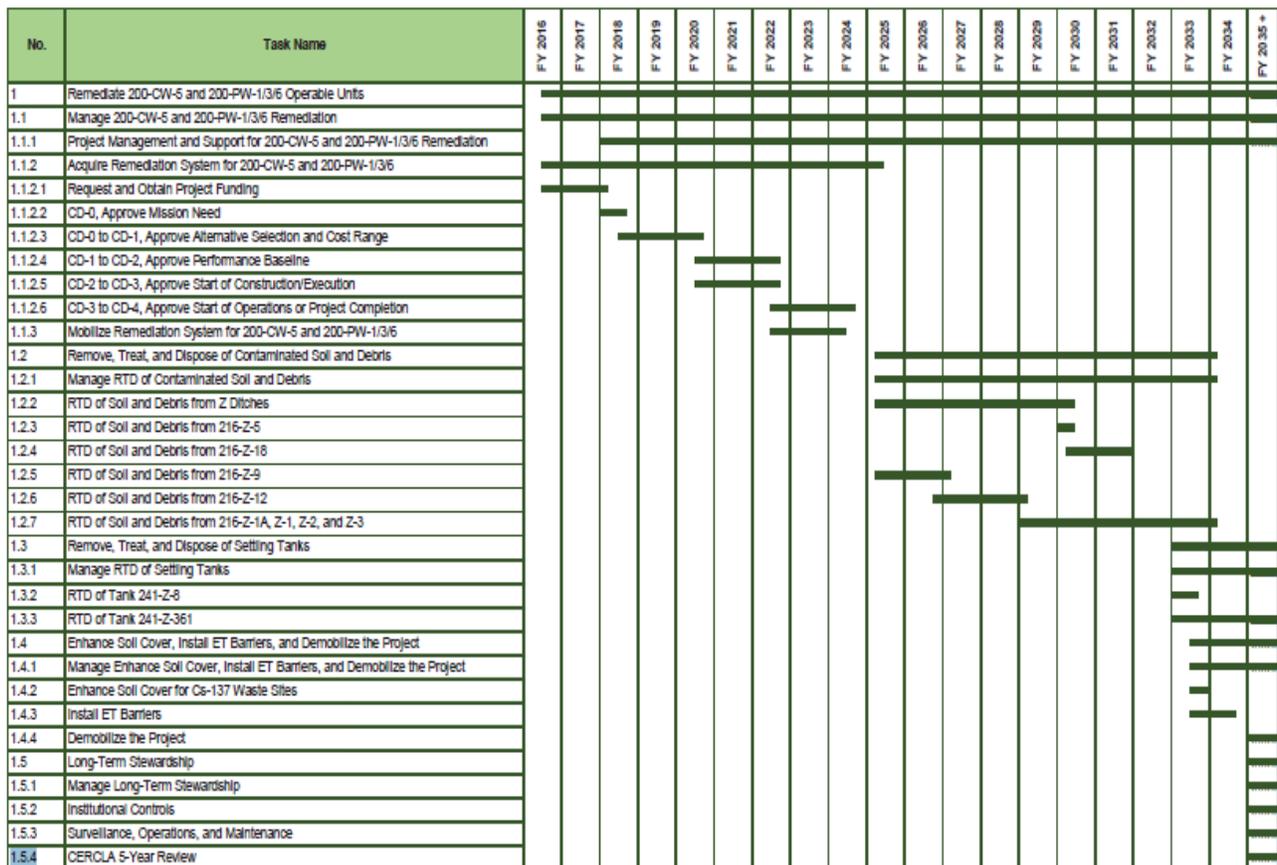


Figure 7-1. RA Schedule for the 200-CW-5, 200-PW-1, 200-PW-3, and 200-PW-6 OUs

Regulatory Agency Comments: EPA requests that DOE schedule the next meeting to discuss the schedule for this work. Please provide an update on when this will occur.

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Milestones and O.U. Status
March – April 2020 Data
May 21, 2020

U Plant Canyon *EPA Lead (RL – Robert Long, CHPRC – TBD)*

- Nothing to report.

Regulatory Agency Comments: No Comment

Canyon Facilities *EPA/Ecology Lead (RL – Robert Long, CHPRC – Bob Cathel)*

- B Plant: The EE/CA Revision 0 is being prepared to transmit to Ecology.
- 224B: RAWP and SAP Revision 0 approved for both documents.
- REDOX: Revision 1 is in discussion with the Regulators.
- PUREX: AM Draft A being prepared for transmittal to Ecology. RAWP and SAP Decisional Drafts are in internal review. (This was transmitted to ECY on May 5, 2020 (20-PFD-0029)).
- PUREX Tier 2 Buildings/Facilities: RAWP Revision 0 is being prepared to transmit to Ecology. SAP Draft A is in comment resolution with Ecology and EPA.
- 224T: RAWP and SAP Draft A are being prepared for transmittal to EPA for review.

Regulatory Agency Comments: Ecology is currently working on the review of the PUREX White powder RAWP.

200-CB-1 (B Plant) *Ecology Lead (RL- Mike Cline, CHPRC –)*

- Not funded.

M-085-70: Submit to Ecology a Remedial Investigation/Feasibility Study Work Plan for 200-CB-1. Due date 09/30/2019.

- Status: Dispute resolution at the PM level until 06/30/2020.

Regulatory Agency Comments: No Comment

200-CP-1 (PUREX) *Ecology Lead (RL- Naomi Jaschke, CHPRC – Marty Doornbos)*

- Held the initial kick-off conference call with Ecology on Monday, March 23, 2020. Discussed the overall approach to develop the work plan and requested dates from Ecology for the storyboarding session.
- Conducted the external Storyboarding Session with Ecology and EPA on Wednesday, April 8, 2020. The video conference call was well attended by Ecology (six participants) and EPA (one participant).
- Finalized the Principal Study Questions that will be used during the DQO process to determine whether there are data needs in order to complete characterization of the PUREX Canyon.
- Continued preparation of the waste sites and buildings/structures scoping summaries. Concurrent review of the scoping summaries by RL and CHPRC began May 4, 2020.
- A meeting was held on Thursday, May 14th, to brief Ecology and EPA on 200-CP-1 RI/FS work plan progress. This is the first of 3 monthly meetings scheduled.

M-085-80: Submit Remedial Investigation/Feasibility Study Work Plan for 200-CP-1 to Ecology. Due date 09/30/2020.

- Status: On Schedule.

Regulatory Agency Comments: No Comment

200-CR-1 (REDOX) *EPA Lead (RL- Mike Cline, CHPRC –)*

- Not funded.

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Milestones and O.U. Status
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M-085-90: Submit a Remedial Investigation/Feasibility Study Work Plan for 200-CR-1 to EPA. Due date 09/30/2021.

- Status: At risk.

Regulatory Agency Comments: No Comment

Waste Site Removal *Ecology Lead (RL- Bobby Long/P. Ensign, CHPRC – Darin Corriell, Cory McCoy)*

- M-016-250D on March 27, 2019.

M-016-250: Submit to Ecology for approval a three-year rolling prioritized schedule consistent with site-wide clean-up priorities to implement waste site removal actions per Action Memoranda, March 31, 2016, and annually thereafter.

- Status: CCF M-16-20-02 to extend due date of interim Milestone M-016-250E from March 31, 2020 to September 30, 2020 was approved on April 9, 2020.
- Change Control Form M 16-18-04 in dispute with EPA at the PM level until 6/30/20.
- CCF M-16-18-01 in dispute with Ecology at the PM level until 6/30/20.
- Six CS/NFA sites have been evaluated for ecological and cultural impacts and controls identified. Sampling activities fell below the IPL line for FY20 and no CS/NFA work is scheduled for this year.

Regulatory Agency Comments: No Comment

200-DV-1- *Ecology Lead (RL –Kate Amrhein, CHPRC – Mark Byrnes)*

- Met with EPA and Ecology March 23, 2020 to discuss proposed changes to the work plan text to bring it up to date and to change the schedule extending the milestone dates for the Corrective Measures Study and Feasibility Study Report and Proposed Plan/Proposed Corrective Action as stated in the current work plan (DOE/RL-2011-104) (TPA-CN-0888). Ecology requested a few minor cosmetic changes to the schedule. Updates were made and sent to RL April 23, 2020 for review and RL will forward to EPA and Ecology. A follow-up meeting was requested by Ecology and one will be set up for mid-May.
- TPA-CN-0884 was approved April 21, 2020 by RL, EPA and Ecology on resampling 216-T-19 and 216-S-13 waste sites for PCBs and PCB Congeners beginning in July/August 2020.
- Held several meetings in March and April 2020 on the development of the 200-DV-1 Draft A Sampling and Analysis Plan for Perched Water Extraction and Monitoring Wells (DOE/RL-2019-42). This SAP supports the initial installation and construction of eight extraction and four monitoring wells, which supports a phased implementation, approach for increasing the extraction in the perched water zone to recover more mass of uranium and dewater the perched water zone. Draft A has gone through internal review and will be delivered to RL mid-May 2020 for discussion with EPA and Ecology. Two wells are scheduled to be drilled in FY2020 (approved TPA-CN-0878 and -0879).
- A meeting was held on May 5, 2020 with Ecology and EPA to review the 200-DV-1 216-S-13 waste site supplemental characterization scope scheduled to begin in FY2021. TPA-CN-0893 was drafted to support this additional characterization effort. PNNL will brief Ecology and EPA in this meeting on the Pore Fluid Sampler R&D Technology that could support the additional characterization and monitoring currently being planned.
- A total of 1,470,444 gallons have been pumped from the perched water wells YE-28, YE-29 and YE-30 to date (May 01, 2020), with 68,000 gallons pumped between January 2020 through April 2020.

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: At risk.

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• **Perched Water Volume Extracted / Mass Removed At 200 West P&T**

Year	Duration	Perched Water Extracted (gal)	Uranium Removed (kg)	Technetium-99 Removed (g [Ci])	Nitrate Removed (kg as NO3)
2012	08/2011 - 09/2012	65,167	12	0.37 (6.3×10 ⁻³)	131
2013	10/2012 - 09/2013	92,303	13.1	0.74 (1.3×10 ⁻²)	202.6
2014	10/2013 - 09/2014	75,620	24.1	0.59 (1.0×10 ⁻²)	137.2
2015	10/2014 - 09/2015	68,065	19.3	0.41 (7.0×10 ⁻³)	112.2
2016	10/2015 - 12/2016	59,289	11.2	0.36 (6.1×10 ⁻³)	195
2017	01/2017 - 12/2017	334,000	77.5	2.67 (4.5×10 ⁻²)	1,970
2018	01/2018 - 12/2018	380,000	74	2.87 (4.9×10 ⁻²)	1,606
2019	01/2019 - 12/2019	328,000	63.3	2.72 (4.6×10 ⁻²)	1,280
2020	01/2020-04/2020	68,000	10.7	0.69 (1.2×10 ⁻²)	276.5
Totals	08/2011 - 04/2020	1,470,444	304.2	11.4 (1.93×10⁻¹)	5,911

Regulatory Agency Comments: No Comment

200-EA-1- Ecology Lead (RL- Doug Hildebrand, CHPRC – Dave St John)

- Resolved all Ecology's comments on the RI/FS Work Plan, except comment 30, which is to update the schedule (Figure 6-1). This update will occur following the 200 Area Central Plateau Agreement-in-Principle negotiations. No Change.
- EPA's signature on the RI/FS Work Plan Appendix A, Sampling and Analysis Plan (SAP) is on hold pending the outcome of the approach to accelerate cleanup decisions in the Central Plateau, identified as the RASCAL approach. Depending upon the outcome, the waste site characterization approach identified for 200-WA-1, 200-EA-1, and 200-IS-1 OUs may be significantly different from what is identified in the current SAPs.
- The team that includes DOE, EPA and Ecology continues to work on the development of a path forward for accelerating cleanup decisions for the Central Plateau Waste Sites. A presentation that outlines details of the suggested path forward was held on April 16, 2020. Suggestions for the IAMIT include the development of new OU designations that would support early actions for 200-Area waste sites.
- As a result of the presentation to the April 16, 2020 IAMIT meeting, a whitepaper describing the approach and a rough order magnitude estimate will be prepared.

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: At risk.

Regulatory Agency Comments: No Comment

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200-IS-1 - Ecology Lead (RL- Doug Hildebrand, CHPRC – Dave St John)

- Not funded in FY20.

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 November 30, 2020.

- Status: At risk.

Regulatory Agency Comments: Mid-April start impacted by COVID-19.

200-SW-2 Ecology Lead (RL- Doug Hildebrand, CHPRC – Dave St John)

- Not funded in FY20.

M-015-93C: Initiate characterization fieldwork for the 200-SW-2 Operable Unit landfills in accordance with the schedule in the approved RI/FS/RFI/CMS Work Plan. Due date 09/30/2018.

- Status: Dispute resolution. Potential changes to be evaluated with M-091 series milestones discussions.

Regulatory Agency Comments: No Comment

200-SW-1/NRDWL Ecology Lead (RL- Doug Hildebrand/Mostafa Kamal, CHPRC- Dave St John)

- Continued RL/Ecology meetings to discuss, and seek concurrence on the resolution of minor Hold/Needs deficiencies and issues that were identified in September 2018 with additional guidance in August 2019. Concurrence has been reached on eleven minor Hold/Needs deficiencies and resolution of the remaining deficiencies is continuing.
- Continue to support discussions regarding the development of a planning approach and processes for the development of the design and design related engineering documentation for the NRDWL/SWL CAP.

Regulatory Agency Comments: No Comment

200-OA-1 (Outer Area), 200-CW-1, and 200-CW-3 EPA Lead (RL- Jim Hanson, CHPRC – Dave St John)

- Not funded in FY20.

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: At Risk.

Regulatory Agency Comments: No Comment

200-BC-1 and 200-WA-1 EPA Lead (RL- Joe Axtell, CHPRC – Dave St John)

- Continued performing data evaluation and reporting tasks for the Electro Resistivity Tomography (ERT) survey performed at 216-U-1/2 and 216-U-16.
- RASCAL
 - The team that includes DOE, EPA and Ecology, continues to work on the development of a path forward for accelerating cleanup decisions for the Central Plateau Waste Sites. At the April 16, 2020 IAMIT meeting, a presentation was made with suggestions that include the development of new OU designations that would support early actions for 200-Area waste sites.
 - As a result of the presentation to the April 16, 2020 IAMIT meeting, a whitepaper describing the approach and a rough order magnitude estimate will be prepared.

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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: Dispute resolution at the PM level until 06/30/2020.

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. Due date 12/31/2019.

- Status: Dispute resolution at the PM level until 06/30/2020.

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: Dispute resolution at the PM level until 06/30/2020.

M-015-91B Submit FS/PP for the 200-BC-1/200-WA-1 OUs to EPA. Due date 07/31/2023.

- Status: Dispute resolution at the PM level until 06/30/2020.

Regulatory Agency Comments: No Comment

200-BP-5 and 200-PO-1 *Ecology Lead (RL – Naomi Jaschke, CHPRC – Chris Cearlock)*

- The Revision 0, Proposed Plan for the Interim Action 200-BP-5/PO-1 Groundwater Operable Units was transmitted to the regulators on April 8, 2020. The proposed public review is scheduled from May 4, 2020, through June 8, 2020. Columbia Riverkeeper, Heart of America Northwest, and Hanford Challenge sent a letter requesting a 30-day extension on the public comment period and a public meeting on 200-BP-5 and 200-PO-1 Proposed Plan. This request will extend the review through July 8, 2020. A public meeting is planned for June 18, 2020 from 5:30-6:30pm. A notice will go out with the new comment period and public meeting notice.
- A presentation to the HAB-RAP was conducted at the May 21, 2020 meeting.
- TPA-CN-0847 was signed by RL and Ecology on April 28, 2020. The change notice adds 8 wells to the 200-BP-5 WCP/WMP.
- A total of over 19 million gallons of groundwater have been pumped from the BP-5 extraction wells in calendar year 2020 as part of the removal action (approximately 165 gpm). Extraction well 299-E33-268 was taken offline and replaced by well 299-E33-360 on March 12, 2020 after repairs to the motor were completed. All BP-5 extraction wells were taken offline on March 23, 2020 due to the covid-16 restrictions.

Groundwater Extracted (millions of gallons)			Total Groundwater Extracted in 2020 (millions of gallons)	Total Groundwater Extracted - September 2015 through April 2020 (millions of gallons)
Well	Mar 2020	Apr 2020		
299-E33-268 (YE27)	1.6	0	1.9	58.9
299-E33-360 (YE31)	1.8	0	11.2	209.8
299-E33-361 (YE-32)	1.8	0	6.3	30.0
Total	5.1	0	19.4	298.7

*Data through April 30, 2020. Numbers shown are estimates; actual numbers are reported in the annual P&T report.

Regulatory Agency Comments: No Comment

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200-UP-1 EPA Lead (RL – Kate Amrhein, CHPRC –Chris Cearlock)

- Met with RL and EPA on March 26, 2020, to review the I-129 modeling results that will support the TI waiver and provide document status.
- Received EPA response on April 13, 2020 for the review of the Revision 1, Draft A, 200-UP-1 Remedial Design/Remedial Action Work Plan. They had no comments.

Regulatory Agency Comments: No Comment

200-ZP-1 EPA Lead (RL – Kate Amrhein, CHPRC – Mark Byrnes)

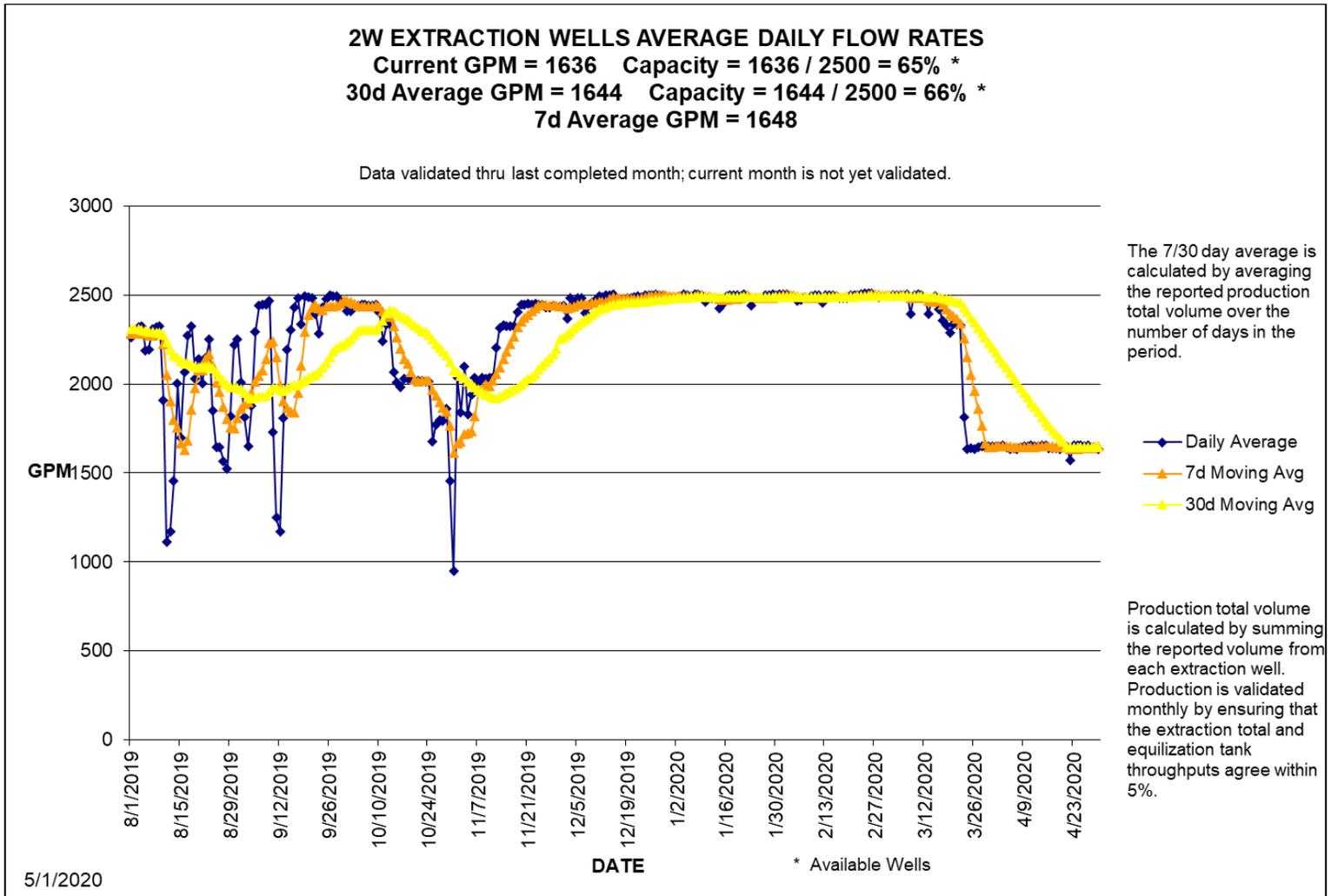
- Continued implementing the Optimization Study Plan (DOE/RL-2019-38, Rev. 0) to collect the data needed to evaluate remedy performance enhancements and remedy configuration changes associated with P&T operations.
- Drilling began January 27, 2020 and on February 18, 2020 on the first (299-W11-103) and second (299-W11-104) extraction wells to be installed in FY2020, supporting the 200-ZP-1 Optimization Study Plan (DOE/RL-2019-38).
- Met with EPA March 4, 2020 to brief them on the 200-ZP-1 Optimization DQO/SAP process, steps 5-7 which highlighted the analytical approach (DQO Step 5), the analytical performance requirements (DQO Step 6), and the sampling design (DQO Step 7) in preparation of the transition from the FY2020 near-term sampling with an expanded focus on all meeting all optimization study objectives while drafting the sampling and analysis plan.
- Met with EPA March 23, 2020 to brief them on the 200-ZP-1 Optimization Study progress, which included 200 West P&T Lay-up status and the FY2020 Groundwater Modeling plan approach. EPA was in agreement with the approach.
- Held a meeting March 26, and April 23, 2020 to continue discussions on how EPA comments would be resolved on the 200-ZP-1 Remedial Design/Remedial Action Work Plan (RD/RAWP) (DOE/RL-2008-78 Rev. 1 Draft A. The focus was on the schedule durations and activities in preparation of finalizing EPA comment resolution and issuing the Rev. 1 document.
- April 16 to April 23, the 200-ZP-1 Operable Unit Optimization Study and Sampling and Analysis Plan (DOE/RL-2019-76) underwent internal review in preparation of delivering this decisional draft to RL in mid-May 2020 for review. This SAP presents groundwater monitoring requirements to support a focused optimization study designed to evaluate changes to the current pump and treat configuration for the 200-ZP-1 OU to increase carbon tetrachloride treatment capacity and mass removal.
- A meeting was held on May 5, 2020 to brief EPA on the 1st Quarter CY2020 200 West P&T performance.

Regulatory Agency Comments: No Comment

200 Area Groundwater/200 West P&T Facility

Month	Gallons Treated (millions)	Nitrate-N (kg)	NO3 (kg)	Carbon Tetrachloride (kg)	Chromium (kg)	Uranium (kg)	Ci of Tc-99
March	98.76	0.0	0.0	183	0.15	4.44	0.11
April	71.03	0.0	0.0	155	0.50	0.928	0.059

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M-024 Well Installation Ecology Lead (RL-Kathy Higgins, CHPRC-Dave Capelle)

M-024-71-T01: Conclude Discussions of Well Commitments Initiated Under M-024-58.

- Status: Due 08/01/2020, On schedule.

M-024-71: Complete the Construction of All Wells Listed for CY20 and Before.

- Status: Due 12/31/2020, On schedule.

Regulatory Agency Comments: No Comment

200 Area RCRA TSD Closures Ecology Lead (RL – Mostafa Kamal, CHPRC – Dave St John)

- 216-B-63 Trench Closure Plan
 - Resolution was reached between Ecology and RL on March 31, 2020. Changes to the closure plan were completed and concurred by Ecology. This closure plan was frozen on April 20, 2020.
- 216-B-3 Pond Closure Plan
 - Initiated text changes on April 1, 2020 to the 216-B-3 Closure Plan to address Ecology comments using 216-B-63 as a template for comment resolution.

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- 216-S-10 Pond and Ditch Closure Plan
 - Initiated text changes on April 1, 2020 to the 216-S-10 Closure Plan to address Ecology comments using 216-B-63 as a template for comment resolution. Completed revisions to the 216-S-10 Closure Plan on April 20, 2020 using 216-B-63 as a template to address Ecology comments. The revised plan was provided to Ecology for review on April 20, 2020.
 - Meetings continue with Ecology to discuss and resolve comments on these three closure plans.

M-037-10: Complete Unit-Specific Closure Requirements according to the closure plan(s) for six (6) TSD Units: 207-A South Retention Basin, 216-A-29 Ditch, 216-A-36B Crib, 216-A-37-1 Crib, 216-B-63 Trench, and Hexone Storage and Treatment Facility (276-S-141/142).

- Status: On March 20, 2020, Change package “[Modification of M-037 Series Milestones in TPA Appendix D](#)”, M-37-19-01, deletes this milestone and adds new ones. It also removes the Hexone Storage and Treatment Facility from coordinated closure under the M-037 series.

M-037-11: Complete unit-specific closure requirements for two (2) TSD Units: 216-B-3 Main Pond system and 216-S-10 Pond and Ditch Status: Due 09-30-2020, At risk. Currently under negotiation in accordance with 19-AMRP-0066 (AR-02713). Tentative agreement on TPA revisions in response to the coordinated closure negotiations.

- Status: On March 20, 2020, Change package “[Modification of M-037 Series Milestones in TPA Appendix D](#)”, M-37-19-01, deletes this milestone and adds new ones.

M-037-13: Complete Unit-Specific Closure Requirements according to the closure plan-241-CX Tank System (241-CX-70/71/72).

- Status: On March 20, 2020, Change package “[Modification of M-037 Series Milestones in TPA Appendix D](#)”, M-37-19-01, deletes this milestone and adds new ones.

Monthly Performance Report Assessment

The DOE project managers have not identified any significant issues with CHPRC’s previous Monthly Performance Report to be addressed at this meeting.

Central Plateau Milestones

- Target Date M-016-119-T01, "DOE will have a remedy in place to contain plumes existing groundwater (except iodine, nitrate, and tritium) in the 200 NPL, Area (Central Plateau)", due December 31, 2020.
 - On February 25, 2020, DOE submitted a letter to Ecology and the EPA recommending that this target date be deleted because it has been overtaken by the interim action record of decision for 200-UP-I issued on September 27, 2012, and the strategy for the 200-BP-5 and 200-PO-1 groundwater operable units, which was reviewed and approved by the Washington State Department of Ecology and US Environmental Protection Agency in IAMIT Determination # 18-002 dated July 19, 2018. The record of decision for 200-UP-1 and the strategy for 200-BP-5 and 200-PO-1 groundwater operable units have deferred a final remedy decision to a future date yet to be determined. This supersedes the target date established in August of 2009, to have remedies in place, since the final remedy will not be known until sometime in the future when the final records of decision for these operable units have been issued.
 - Draft change request has been approved for deletion of target dates with Change Control form M-016-19-03.

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Central Plateau Milestones

MS#	Title	Due Date
Fiscal Year 2018		
M-015-93C	Initiate characterization field work for the 200-SW-2 OU	9/30/2018 Dispute Resolution
M-016-255	DOE shall complete the removal of all waste sites for FY2018 as identified in TPA Change Package M-16-17-01.	9/30/2018 Dispute Resolution
Fiscal Year 2019		
M-016-256	DOE shall complete the removal of all waste sites for FY2019 as identified in TPA Change Package M-16-17-01.	9/30/2019 Dispute Resolution
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 Dispute Resolution
M-085-70	Submit RI/FS Work Plan for 200-CB-1	9/30/2019 Dispute Resolution
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 Dispute Resolution
M-016-250E	Submit to ECY a 3-Year Rolling Prioritized Schedule to Implement Waste Site Removal Actions	Extended by CCF M-16-20-02 approved 4/9/2020
M-024-58M	Initiate Discussions of Well Commitments	6/01/2020 On Schedule
M-024-71-T01	Conclude discussions of well commitments initiated under M-024-58	8/1/2020 On Schedule
M-085-72	Submit RAWP to implement the approved Action Memorandum for 224-B	9/30/2020 Completed 09/19/2019
M-085-80	Submit RI/FS Work Plan for 200-CP-1	9/30/2020 On Schedule
M-085-100	Submit a RAWP to implement the approved Action Memorandum for 224-T	9/30/2020 On Schedule
M-037-10	Complete Unit-Specific closure requirements for six TSD units	Deleted by CCF M-37-19-01 approved 3/20/2020
Fiscal Year 2021		
M-015-112	Submit RFI/CMS & RI/FS Work Plan for 200-IS-1 Work Plan to Ecology	11/30/2020 At Risk
M-024-71	Complete the Construction of All Wells Listed for CY20 and Before	12/31/20 On Schedule
M-016-250F	Submit to ECY a 3-Year Rolling Prioritized Schedule to Implement Waste Site Removal Actions	03/31/2021 On Schedule
M-024-58N	Initiate Discussions of Well Commitments	06/01/2021 On Schedule

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M-024-72-T01	Conclude discussions of well commitments initiated under M-024-58 by August 1, 2021.	08/01/2021 On Schedule
M-085-90	Submit RI/FS Work Plan for 200-CR-1	9/30/2021 At Risk
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 Dispute Resolution
M-024-72	Complete the Construction of All Wells Listed for CY21 and Before	12/31/2021 On Schedule
M-016-250G	Submit to ECY a 3-Year Rolling Prioritized Schedule to Implement Waste Site Removal Actions	03/31/2022 On Schedule
M-026-07D	Evaluation of Tritium Treatment Technology to EPA & Ecology	3/31/2022 On Schedule
M-024-58O	Initiate Discussions of Well Commitments	06/01/2022 On Schedule
M-024-73-T01	Conclude discussions of well commitments initiated under M-024-58 by August 1, 2022.	08/01/2022 On Schedule
M-037-13	Complete unit-specific closure requirements for 241-CX Tank System (241-CX-70/71/72)	Deleted by CCF M-37-19-01, approved 3/20/2020
Fiscal Year 2023		
M-015-92B	Submit RFI/CMS, RI/FS Study report and Proposed CAD/PP for 200-EA-1	11/30/2022 At Risk
M-024-73	Complete the Construction of All Wells Listed for CY22 and Before	12/31/2022 On Schedule
M-015-93B	Submit RFI/CMS & RI/FS Study Report and proposed CAD/PP for 200-SW-2 OU	1/31/2023 At Risk
M-015-92C	Submit RFI/CMS & RI/FS Study report and proposed CAD/PP for the 200-IS-1 OU to Ecology	3/31/2023 At Risk
M-015-38B	Submit FS/PP for 200-CW-1, 200-CW-3 and 200-OA-1 OUs	7/31/2023 At Risk
M-015-91B	Submit FS/PP for the 200-BC-1 and 200-WA-1 OUs to EPA	7/31/2023 Dispute Resolution
M-015-110B	Submit CMS & FS and Proposed CAD/PP for 200-DV-1 OU	9/30/2023 At Risk
Fiscal Year 2024		
M-016-200A	Complete U Plant canyon demolition	9/30/2024 On Schedule
M-037-11	Complete unit-specific closure requirements for 216-B-3 Main Pond System and 216-S-10 Pond and Ditch	Deleted by CCF M-37-19-01, approved 3/20/2020

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Fiscal Years 2025-2027		
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 geographic work	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 On Schedule
M-016-200B	Complete U Plant barrier construction	9/30/2027 On Schedule

Documents Submitted to the AR

Number	Title	Referencing Document
SGW-63236_R0	200-DV-1 Future Perched Water Well Evaluation	DOE/RL-2019-42_DA
ECF-200E-19-0081_R0	Groundwater Elevation Mapping for 200 East Area - Quarter 1 Calendar Year 2019	SGW-38815_R2
SGW-61384_R1	200-DV-1 Operable Unit B-Complex Field Summary Report	200-DV-1 Field Summary Reports
SGW-60265_R1	200-DV-1 Operable Unit BY Cribs Field Summary Report	200-DV-1 Field Summary Reports
SGW-61596_R1	200-DV-1 Operable Unit S-Complex Field Summary Report	200-DV-1 Field Summary Reports
RCRA-CN-01_DOE/RL-2015-49_R0	Interim Status Change Number 1: Interim Status Groundwater Monitoring Plan for the Single-Shell Tank Waste Management Area A-AX	RCRA Monitoring Plan

Approved Change Notices

Number	Title
TPA-CN-0877	DOE/RL-2009-124, 200 West Pump and Treat Operations and Maintenance Plan, Rev. 5
TPA-CN-0878	DOE/RL-2014-51, Sampling and Analysis Plan for 200-DV-1 Operable Unit Perched Water Pumping/Pore Water Extraction, Rev. 0
TPA-CN-0879	DOE/RL-2013-52, Sampling and Analysis Plan for Perched Water Wells C8914 and C8915 in the 200-DV-1 Operable Unit, Rev. 0
TPA-CN-0880	DOE/RL-2014-34, Action Memorandum for 200-DV-1 Operable Unit Perched Water Pumping/Pore Water Extraction, Rev. 0
TPA-CN-0881	DOE/RL-2014-37, Removal Action Work Plan for 200-DV-1 Operable Unit Perched Water Pumping/Pore Water Extraction, Rev. 0
TPA-CN-0882	DOE/RL-2016-22, Waste Management Plan for Perched Water Pumping/Pore Water Extraction, 200-DV-1 Operable Unit, Rev. 0
TPA-CN-0870	DOE/RL-2004-18, Waste Control Plan for the 200-PO-1 Operable Unit, Revision 1
TPA-CN-0884	DOE/RL-2011-104, Characterization Sampling and Analysis Plan for the 200-DV-1 Operable Unit, Revision 0

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OPEN ACTION ITEM TRACKING

Action #	Action/Subject	Assigned To	Owed To	Assigned Date	Original Due Date	Adjusted Due Date	Status
193	200-PW 1/3/9: EPA requests that DOE schedule the next meeting to discuss the schedule for this work. Please provide an update on when this will occur.	DOE	EPA	5/21/2020			