

200 AREA PROJECT MANAGERS MEETING (PMM) NOVEMBER 21, 2019

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
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APPROVED
By Janis D. Aardal at 2:50 pm, Dec 12, 2019

Release Approval

Date

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PROJECT MANAGERS MEETING
200 AREA GROUNDWATER and SOURCE OPERABLE UNITS
November 21, 2019

FINAL MEETING MINUTES

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Meeting Attendees
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200 AREA PROJECT MANAGERS MEETING
Attachments List
November 21, 2019

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, September - October Data |
| Attachment 5 | Documents Entered into the AR and Approved Change Notices
September - October Data |
| Attachment 6 | Action Item List |

200 AREA PROJECT MANAGERS MEETING AGENDA November 21, 2019

Milestones and O. U. Status- September - October, 2019 Data

- 200-PW-1/3/6 and 200-CW-5
- Canyon Facilities
- Deep Vadose Zone
- 200-IS-1 and 200-EA-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
- M-015 Milestone Series
- 200-UP-1
- 200-ZP-1
- 200 Area Groundwater/200 West P&T Facility
- M-016 Milestone Series
- M-024 Milestone Series
- 200 Area RCRA TSD Closures
- Waste Site Removal

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.

Future PMM meetings will be held in 2420 Stevens Room 308 from 2:30-3:30pm as follows:

2019

- November 21

2020

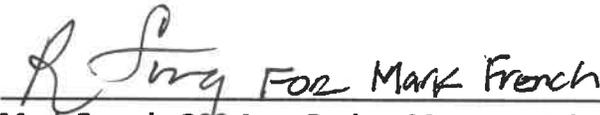
- January 16
- March 19
- May 21
- July 16
- September 17
- November 19

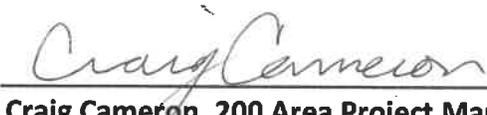
200 Area Project Managers Status Meeting
November 21, 2019

PRINTED NAME	ORGANIZATION	O.U. ROLE	TELEPHONE
Bob Cathel	CHPRC		376-1573
Deborah Singleton	CHPRC		373-7689
Bob Long	DOE-RL		6-7754
Craig Cameron	EPA		376-8665
Shelby Simon	ODOE		^{SAV} 240-0161
Kathy Higgins	DOE		376-3658
Martin Daumbus	CHPRC		438-5516
Kate Amhein	DOE		376-9391
KIM WELSCH	EDY		372-7882
Michael Cline	DOE		376-6070
Scott Davis	MSA TPA		376-8757
Cristal Meza	MSA TPA		430-9024
Angel Nunez	MSA TPA		578-4729
RD Hildebrand	DOE		373-9626
JOSEPH AXTELL	DOE-RL		373-6687
Laura Omara	CHPRC		373-9763

200 Area Project Managers Meeting
Meeting Minutes Approval
November 21, 2019

APPROVAL:  DATE: 11/21/2019
Michael Cline, 200 Area Project Manager, DOE/RL

APPROVAL:  FOR Mark French DATE: 11/21/2019
Mark French, 200 Area Project Manager, DOE/RL

APPROVAL:  DATE: 11/21/2019
Craig Cameron, 200 Area Project Manager, EPA

APPROVAL:  DATE: 11/21/19
Kim Welsch, 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 agreements and commitments identified in the attached "Milestones and O.U. Status" and the "Action Item List". Approval does not apply to the minutes themselves or to any other attachments.

General note on dispute resolution:

Several milestones are at risk and are in dispute resolution at the PM or higher level. The Parties met to discuss and review the draft Budget AIP and TA. On June 24, 2019, DOE signed the AIP and provided it to Ecology. On July 3, 2019, Ecology stated the AIP is on hold pending DOE's response to an Ecology letter regarding budget impacts. On July 10, 2019, Ecology issued letter 19-NWP-109 to DOE requesting additional information regarding budget impacts. On September 9, 2019, RL requested Ecology to reconsider approving the Budget AIP to begin negotiating the milestones impacted by the FY 2018 and 2019 budget via RL letter 19-AMRP-0074. DOE is awaiting Ecology's response.

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.

Regulatory Agency Comments: EPA is willing to discuss strategizing the project scope. EPA does not agree with delays in the enforceable schedule.

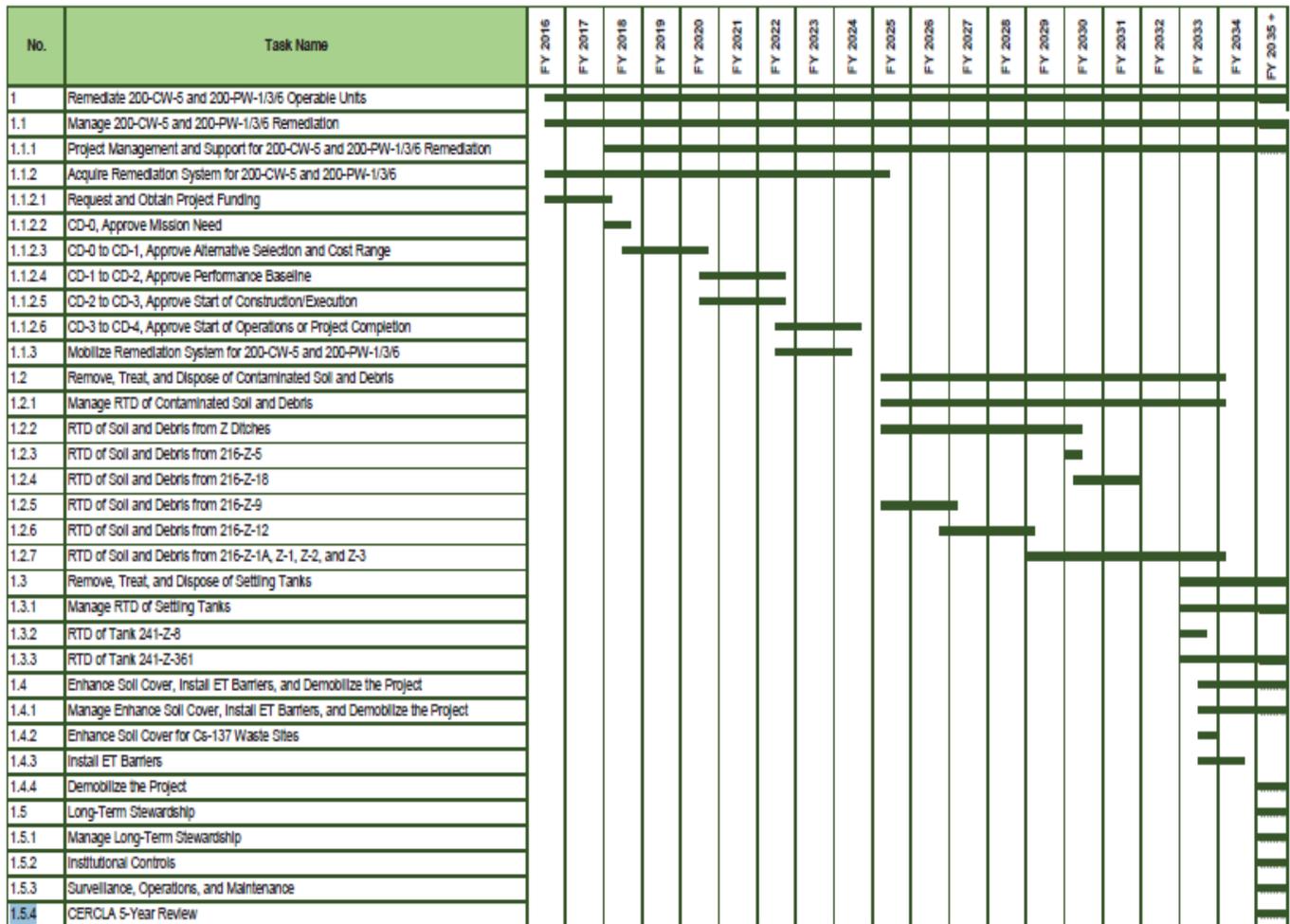


Figure 7-1. RA Schedule for the 200-CW-5, 200-PW-1, 200-PW-3, and 200-PW-6 OUs

DOE/RL-2015-23, REV. 0

7-4

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2

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

- Nothing to report.

Regulatory Agency Comments: None

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

- B Plant: EE/CA at Ecology for comment resolution concurrence.
- 224B: RAWP and SAP Draft A have been submitted to Ecology for review.
- REDOX: Revision 1 to the RAWP and SAP are in internal review.
- PUREX: AM Decisional Draft in internal review.
- PUREX Tier 2 Buildings/Facilities: RAWP Draft A submitted to Ecology for review. SAP Decisional Draft is in internal review.
- 224T: RAWP and SAP Decisional Drafts are in internal review.
-

Regulatory Agency Comments: None

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

- Held a kick-off meeting on October 17, 2019 to discuss the 200-DV-1 supplemental characterization DQO/SAP scope. The SAP will address MIBK characterization at the 216-S-13 waste site; PCB congeners at the 216-T-9 waste site; possible characterization of 216-B-11A/B waste sites for source(s) of contamination to the perched water; and other potential concerns.
- Met with Ecology on October 7, 2019 to show how their comments were addressed regarding the Technology Evaluation and Treatability Studies Assessment for the Hanford Central Plateau Deep Vadose Zone (DOE/RL-2017-58). The comments were adequately addressed and the final document will be transmitted to Ecology.
- A total of 1,300,818 gallons have been pumped from the perched water wells YE-28, YE-29 and YE-30 to date (October 31, 2019), with 270,000 gallons pumped between January 2019 through October 2019.

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. See general note at the beginning of this section.

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 - 10/2019	270,000	48.2	1.94 (3.3x10 ⁻²)	1,035
Totals	08/2011 - 10/2019	1,300,818	278.4	9.89 (1.68x10⁻¹)	5,389

Regulatory Agency Comments: None

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

- Received Ecology’s concurrence that all comments on the RI/FS Work Plan, except comment 30, have been addressed. Agreement has been reached with Ecology on comment 30 (schedule related) to update Figure 6-1 schedule following the 200 Area Central Plateau agreement-in-principle negotiations.
- Obtained DOE and Ecology’s signature on the RI/FS Work Plan Appendix A (SAP). Received additional input from EPA in early September regarding concerns in the SAP approach; EPAs signature is on hold pending resolution of this concern.
- A team has been established that includes DOE, EPA, and Ecology to determine a path forward for accelerating cleanup decisions for the Central Plateau Waste Sites. A presentation was provided at the November 21, 2019 IAMIT meeting to present a framework and gain IAMIT agreement. At the meeting, the IAMIT approved to proceed with the proposed approach, and to provide an update at the IAMIT in March, 2020.

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. See general note at the beginning of this section.

Regulatory Agency Comments: None

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. Change Control Form M-15-17-03 identified this interim milestone's due date based on the assumption that the WP scope would be initiated immediately following completion and regulatory approval of 200-EA-1 RI/FS WP. DOE and Ecology assumed the 200-EA-1 RI/FS WP would be approved by September 30, 2019.

Regulatory Agency Comments: It is Ecology's position that Ecology reminded DOE of its obligations to brief Ecology and EPA pursuant to HFFACO Paragraph 149.F, and DOE failed to provide the briefing. Therefore it is Ecology's position that DOE has no basis for stating that the 200-IS-1 is not funded in FY2020. DOE hasn't given Ecology and EPA timely opportunity to make recommendations for reallocation of available funds.

Ecology also refers to DOE letter 20-BUD-0004 signed by Brian Vance on November 11, 2019. The letter states "At these funding levels and with available Fiscal Year 2019 carry over funding RL and ORP do not anticipate Tri-City Agreement scope or schedule impacts." Mr. Vance's letter is a direct contradiction of DOE's report that 200-IS-1 is not funded.

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. At the May 16, 2019 IAMIT, Ecology stated they would not be issuing a Director's Determination but would like to work resolution via the Budget AIP and TA. See general note at the beginning of this section.

Regulatory Agency Comments: None

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

- Finalized the Construction Quality Assurance framework document and pre-construction storm water run-on/run-off calculation for the NRDWL CAP in September 2019. These documents were provided to Ecology for review and comment on October 28, 2019.
- Initiated RL/Ecology meetings on October 28, 2019 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.

Regulatory Agency Comments: None

200-OA-1 (Outer Area), 200-CW-1, and 200-CW-3 EPA Lead (RL- Jim Hanson, CHPRC – Deborah Singleton)

- 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. See general note at the beginning of this section.

Regulatory Agency Comments: None

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

- Initiated the mobilization and construction of Electro Resistivity Tomography (ERT) survey equipment at 216-U-1/2 and 216-U-16 on October 9, 2019 and initiated collecting ERT data at this survey location on October 25, 2019.
- A team has been established that includes DOE, EPA, and Ecology to determine a path forward for accelerating cleanup decisions for the Central Plateau Waste Sites. A presentation was provided at the November 21, 2019 IAMIT meeting to present a framework and gain IAMIT agreement. At the meeting, the IAMIT approved to proceed with the proposed approach, and to provide an update at the IAMIT in March, 2020.

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. See general note at the beginning of this section.

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. See general note at the beginning of this section.

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. See general note at the beginning of this section.

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. See general note at the beginning of this section.

Regulatory Agency Comments: None

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

- Met with RL and regulators on October 15 and 17, 2019, to resolve final edits for the Revision 0, 200-BP-5/200-PO-1 Feasibility Study that supports the Interim Action Record of Decision.
- Provided the Draft Revision 0, Proposed Plan to regulators on September 24, 2019 for final checking/review. The Draft Proposed Plan was also provided to EPA HQ for their review. Additional comments were received by November 13, 2019. This has created an impact to the schedule for obtaining the ROD. The three parties met on November 14 and 19, 2019 to discuss all comments (technical and legal) on the PP and most have been resolved.

Regulatory Agency Comments: None

200-BP-5 Removal Action (RL- Naomi Jaschke, CHPRC-Chris Cearlock)

- A total of over 70 million gallons of groundwater have been pumped from the BP-5 extraction wells in fiscal year 2019.

Groundwater Extracted (millions of gallons)			Total Groundwater Extracted (millions of gallons) - 2019	Total Groundwater Extracted - September 2015 through October 2019 (millions of gallons)
Well	Sep-19	Oct-19		
299-E33-268 (YE27)	-	-	-	57
299-E33-360 (YE31)	4.9	4.9	56.1	186.4
299-E33-361 (YE-32)	2.2	2.2	14.2	14.2
Total	7.1	7.1	70.3	257.6

*Data through October 31, 2019.

Regulatory Agency Comments: None

200-UP-1 EPA Lead (RL – Kate Amrhein, CHPRC –Chris Cearlock, PNNL-M. Truex [I-129])

- The Rev.0 Remedial Design Remedial Investigation Report for the 200-UP-1 Operable Unit Southeast Chromium Plume (DOE/RL-2017-60) and was transmitted to EPA.
- Completed construction of monitoring well 299-W19-126 on September 24, 2019.

Regulatory Agency Comments: None

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

- Met with EPA on September 12 to review the implementation approach and finalizing the Optimization Study Plan (DOE/RL-2019-38). The Optimization Study Plan was approved by RL and EPA on September 30, 2019.
- Met October 21, 2019, to brief EPA on the Data Quality Objectives (DQO) and sampling approach for the near-term monitoring associated with the Optimization Study Plan. This sampling focuses on aquifer locations near existing injection wells where changes may start occurring starting in FY 2020 from the temporary suspension of biological treatment for nitrate.
- Submitted the 200-ZP-1 Remedial Design/Remedial Action Work Plan (DOE/RL-2008-78) Rev. 0 Draft A to EPA on September 28, 2019 for their review and comment.
- Submitted the 200-ZP-1 Ringold A Sample and Analysis Plan (DOE/RL-2019-23) Draft A to EPA for their review and comment on October 16, 2019.
- Received EPA’s comments on the 200-ZP-1 Performance Monitoring Plan (DOE/RL-2009-115) Rev. 3 Draft A on October 22, 2019.

Regulatory Agency Comments: None

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
September	95.28	4,184	18,531	165	8.21	7.78	0.13
October	93.24	1,021	4,522	152	2.02	8.59	0.13

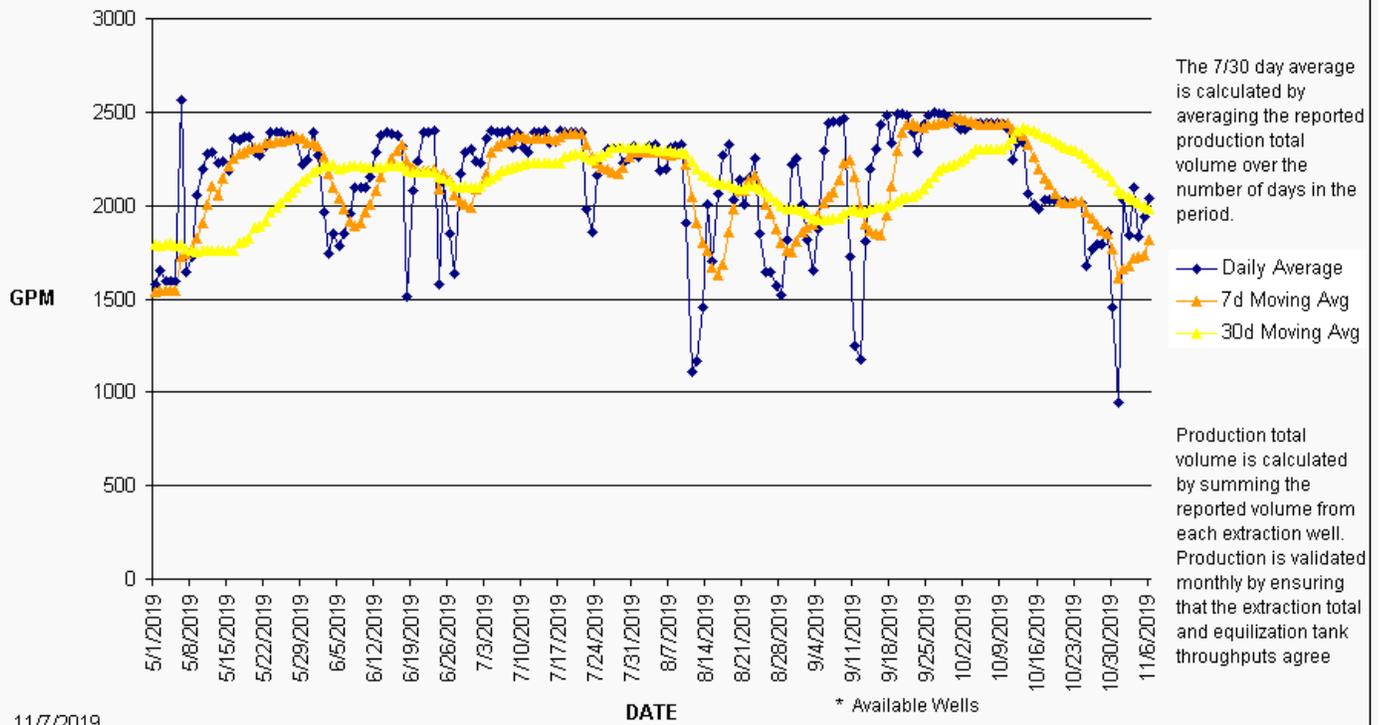
2W EXTRACTION WELLS AVERAGE DAILY FLOW RATES

Current GPM = 2036 Capacity = 2036 / 2500 = 81% *

30d Average GPM = 1983 Capacity = 1983 / 2500 = 80% *

7d Average GPM = 1817

Data validated thru last completed month; current month is not yet validated.



11/7/2019

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

M-024-70: Complete the Construction of All Wells Listed for CY19 and Before.

- Status: Due 12/31/2019, Completed.

M-024-70-T01: Conclude Discussions of Well Commitments Initiated Under M-024-58.

- Status: Due 08/01/2019, Completed.

Regulatory Agency Comments: None

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

- 216-B-3 Pond Closure Plan
 - On hold, pending Ecology's input regarding their Table H1 concern.
- 216-S-10 Pond and Ditch Closure Plan
 - On hold, pending Ecology's input regarding Table H1 comment.
- 216-B-63 Trench Closure Plan
 - On hold, pending Ecology's input regarding conveyance from B Plant to 200-E-191-PL questions.

A meeting is scheduled for December 11, 2019 to discuss 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: Due 09/30/2020, In Abeyance.
- Tentative agreement approved 8/26/19 (reference AR-02855). The 30-day notice of public comment issued for 45-day public comment period to run between October 14-November 29, 2019.

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: Due 09/30/2024, In Abeyance.
- Tentative agreement approved 8/26/19 (reference AR-02855). The 30-day notice of public comment issued for 45-day public comment period to run between October 14-November 29, 2019.

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

- Status: Due 09/30/2022, In Abeyance.
- Tentative agreement approved 8/26/19 (reference AR-02855). The 30-day notice of public comment issued for 45-day public comment period to run between October 14-November 29, 2019.

Regulatory Agency Comments: None

Waste Site Removal *Ecology Lead (RL- Mark French, CHPRC – Darin Corriell)*

- Submitted to Ecology the three year rolling prioritized schedule as described in TPA milestone
- 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: Complete on 3/27/2018 M-016-250D, due 3/31/2019.
- Change Control Form M 16-18-04 in dispute with EPA
- CCF M-16-18-01 in dispute with Ecology.

Regulatory Agency Comments: None

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. See general note at the beginning of this section.

200-CP-1 (PUREX) *Ecology Lead (RL- Mike Cline, CHPRC –)*

- Not funded.

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

- Status: At risk. See general note at the beginning of this section.

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

- Not funded.

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. See general note at the beginning of this section.

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

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-024-69	Complete construction of all wells listed for CY18 and before as listed in M-24-15-01	12/31/2018 Completed 05/31/2017
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-015-21A	Submit BP-5/PO-1 FS/PP for Interim ROD	3/31/2019 Completed
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-024-70-T01	Concluded discussions of well commitments initiated under M-024-58.	08/01/2019 Completed
M-085-70	Submit RI/FS Work Plan for 200-CB-1	9/30/2019 Dispute Resolution
M-024-70	Complete the construction of all wells listed for CY19 and before	12-31-2019 Completed
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	3/31/2020 On Schedule
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-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).	09/30/2020 Abeyance
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 At Risk
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	9/30/2020 In Abeyance
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-024-72	Conclude discussions of well commitments initiated under M-024-58 by August 1, 2021	08/01/2021 On Schedule
M-024-72-T01	Conclude discussions of well commitments initiated under M-024-58 by August 1, 2021.	08/01/2021 On Schedule
M-016-86	Complete remedial actions for 618-11 Burial Ground	9/30/2021 At Risk
M-085-90	Submit RI/FS Work Plan for 200-CR-1	9/30/2021 At Risk
M-024-71	DOE shall complete the construction of all wells listed for calendar year 2020 and before, as identified in TPA change package M-24-17-01. This milestone series will continue on a yearly basis until such time that the Parties agree that sufficient RCRA and CERCLA groundwater wells are in place and operating to comply with RCRA and CERCLA requirements for groundwater monitoring, groundwater protection, and groundwater remediation. These milestones do not preclude or foreclose the imposition of additional groundwater well installations pursuant to RCRA permits or work plans and/or CERCLA work plans. Additional work or modification to work shall be in accordance with the provisions in Article XXX of the TPA Legal Agreement.	12/31/2020 On Schedule
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
Fiscal Year 2022		
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)	9/30/2022 In Abeyance
M-015-92B	Submit RFI/CMS, RI/FS Study report and Proposed CAD/PP for 200-EA-1	11/30/2022 At Risk

Fiscal Year 2023		
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	9/30/2024 In Abeyance
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-016-200B	Complete U Plant barrier construction	9/30/2027 On Schedule

<u>Documents Submitted to the AR</u>		
Number	Title	Referencing Document
ECF-200W-19-0009_R0	Groundwater Elevation Mapping in the 200 West Area of the Hanford Site for Calendar Year 2018	Annual Reports
ECF-Hanford-19-0014_R0	Description of Groundwater Calculations And Assessments for the Calendar Year 2018 (CY 2018) 200 Areas Pump and Treat Report	Annual Reports
DOE/RL-2018-70_R1	Optimization Pilot Test Results of Treating Water from Modular Storage Units at 200 West Pump & Treat Facility	200-ZP-1 Documents and 200 West P&T Documents
SGW-61350-R1	Data Gaps Evaluation in Groundwater Monitoring at the Hanford 200 ZP-1 Groundwater Operable Unit	DOE/RL-2009-115_R3_DA
DOE/RL-2019-28	200-DV-1 Operable Unit Laboratory Treatability Study Test Plan	200 Area Documents
SGW-64037-VA	200-ZP-1 Optimization Study Plan Update	DOE/RL-2019-38_R0
DOE/EL-2017-60	Remedial Design Investigation Report for the 200-UP-1 Operable Unit Southeast Chromium Plume	Primary Document
ECF-200W-18-0072	200 West Pump and Treat Radiological Air Emissions	DOE/RL-2009-124_R6_DA
ECF-200W-19-0104	200 West Pump and Treat New Source Review for Process Changes	DOE/RL-2009-124_R6_DA
ECF-200W-19-0111	New Source Review Calculation for Addition of Cyanide from the 200-BP-5 Operable Unit to the Influent at the 200 West Pump-and-Treat	DOE/RL-2009-124_R6_DA
CHPRC-04122	D4-B Plant-011 Building 222-B	N/A-DOE Added
ECF-HANFORD-18-0023	Evaluation of Contaminant Transport for the 200-BP-5 and 200-PO-1 Operable Units Feasibility Study Evaluation of Remedial Alternatives	N/A-DOE Added
N/A	PFP 190925 Meeting Minutes	N/A-DOE Added

Approved Change Notices

N/A

Change Control Form J-19-01	Remove, Add, and Align Buildings/Structures in TPA Action Plan, Appendix J
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**200 Area Project Managers Meeting
November 21, 2019**

OPEN ACTION ITEM TRACKING

Action #	Action/Subject	Assigned To	Owed To	Assigned Date	Original Due Date	Adjusted Due Date	Status
192	Provide draft update to the TPA schedule for primary documents to account for reasonable review times and additional legal reviews	Marty Doornbos	Kathy Higgins	11/21/19	12/24/19		