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CHPRC-1401248

**Meeting Minutes Transmittal/Approval**
**Project Managers' Meeting**
**200 Area Groundwater and Source Operable Units**
**May 15, 2014**

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**APPROVAL:** _____ **DATE:** 05/15/14
**Briant Charboneau, 200 Area Unit Manager, DOE/RL**

**APPROVAL:** _____ **DATE:** 05/15/14
**Al Farabee, 200 Area Project Manager, DOE/RL**

**APPROVAL:** _____ **DATE:** 5/15/14
**Emerald Laija, 200 Area Project Manager, EPA**
Rod Lobos for

**APPROVAL:** _____ FOR **DATE:** 5/15/14
**Nina Menard, 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 Attachment 4 to these minutes. Approval does not apply to any other attachments, which are included in these minutes for informational purposes.**

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**DISTRIBUTION**
**PROJECT MANAGERS' MEETING,**
**200 AREA GROUNDWATER SOURCE OPERABLE UNITS**
**May 15, 2014**

| | |
|---|---|
| DOE/RL | |
| (No hard copy distribution) | |
| EPA | |
| Emerald Laija | B1-46 |
| Ecology | |
| Nina Menard | H0-57 |
| CHPRC | |
| Lorna Dittmer (original) | H8-45 |
| Administrative Record (2) | H6-08 |
| Correspondence Control | A3-01 |

**Minutes of the 200 Area Project Managers' Meeting of May 15, 2014 are attached. Minutes are comprised of the following:**

| | |
|---|---|
| **Attachment 1** | **Attendance Record** |
| **Attachment 2** | **Agreements and Issues List** |
| **Attachment 3** | **Action Item List** |
| **Attachment 4** | **Operable Units and Facilities Status** |

CHPRC-1401248
Attachment 1

# 200 Area Project Managers' Status Meeting
## May 15, 2014

*Please print clearly and use black ink*

| PRINTED NAME | ORGANIZATION | O.U. ROLE | TELEPHONE |
|---|---|---|---|
| Gabriel Booth | WDOH | | 509 943 5217 |
| Shelley Cimon | ODOE | | (541) 963-0853 |
| Rod Lobos | EPA | | 509 376-3749 |
| Craig Cameron | EPA | | 376-8665 |
| Jeff Ayres | Ecology | | 372-7881 |
| Dib Goswami | Ecology | | 372-7902 |
| KIM WELSH | ECY | | 372-7882 |
| John Sands | DOE | | 372-2282 |
| Rick Bond | Ecy | | 372-7885 |
| Deborah Singleton | Ecy | | 372-7923 |
| JOHN Morse | DOE | | 376-0057 |
| Brian Dixon | CHPRC | | 376-7053 |
| Lorna Dittmer | CHPRC | | 376-7017 |
| JOE AXTELL | DOE | | 373-6687 |
| RP Hildebrand | DOE | | 323-9626 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

# 200 Area Project Managers' Meeting
# Agreements and Issues List
# May 15, 2014

**Agreement:** None

**Issue**: None

**Announcements**: None

**Delegations for May 15, 2014 PMM meeting**:

| | |
|---|---|
| DOE/RL | John Morse for Briant Charboneau |
| DOE/RL | John Morse for Al Farabee |
| Ecology | Kim Welsch for Nina Menard |
| EPAy | Rod Lobos for Emerald Laija |

# 200 Area Project Managers' Meeting
## May 15, 2014

### OPEN ACTION ITEM TRACKING

| Action # | Action/Subject | Assigned To | Owed To | Assigned Date | Original Due Date | Adjusted Due Date | Status |
|---|---|---|---|---|---|---|---|
| 138 | Meeting between Ecology, EPA and DOE to discuss Central Plateau risk assessment strategy and how they will relate to 200-IS-1 | DOE/D. Hildebrand | EPA, Ecology | 6/21/12 | 7/31/13 | Open | Open; Initiated and ongoing. |
| 146 | TPA Change Notice to add pipelines to IS-1 | RL/Doug Hildebrand | Ecology/Kim Welsch | 5/16/13 | 7/15/13 | 7/30/2014 | Open; Path forward identified. |
| 151 | The finalized Inner Area Principles | DOE/ B. Charboneau | EPA, Ecology | 3/20/14 | Open | | Open |
| 152 | Ecology would like a meeting to discuss finalization of the EA and next steps to closure of SW-1. | RL/Doug Hildebrand | Ecology/Deborah Singleton | 3/20/14 | 4/30/14 | 6/30/2014 | Open; RL to schedule meeting with Ecology |
| 153 | Ecology would like information on the 241-WR vault | DOE/J. Sands | Ecology/Kim Welsch | 3/20/14 | 4/30/14 | | Closed. |
| 154 | Include action item list when emailing agenda | Lorna Dittmer/Gayelyn Gibson | All | 5/15/14 | | | Open |
| 155 | Discuss closure of SW-1 | RL/Doug Hildebrand | Ecology/Deborah Singleton | 5/15/14 | 6/2/14 | | Open |
| 156 | Meeting on 200-WA-1 specific waste sites | RL/John Sands | EPA/Craig Cameron | 5/15/14 | 6/16/14 | | Open |

# 200 AREA PROJECT MANAGERS' MEETING

Milestones and Operational Status by OU
May 15, 2014

**Deep Vadose Zone 200-DV-1** *Ecology Lead (RL – John Morse, CHPRC – Mark Byrnes)*

- **M-015-110A: Submit RFI/CMS & RI/FS work plan for the 200-DV-1 OU to Ecology. The work plan shall include technology screening that identifies technologies applicable for characterization, treatment, and monitoring of Deep Vadose Zone contaminants, 3/31/2015**
  - *The Internal Draft RI/FS Work Plan will be going out for internal review May 12, 2014.*
  - *New extraction wells 299-E33-351 and 299-E33-350 have been installed and are in the process of being hooked up to the extraction system.*
  - *Regulator comments on the perched water EE/CA were incorporated. The Action Memorandum is being prepared.*
  - *The B Area perched water extraction system removed 5,902 gallons in April, bringing the total volume of perched water removed to 199,727 gallons since initiating operations on August 30, 2011. The following quantities of contaminants were removed:*

| 200-DV-1 Perched Water | Current Month | Cumulative |
|---|---|---|
| Gallons | 5,902 | 199,727 |
| Tc-99 | 7.4E-04 Ci | 24.1E-03 Ci |
| Uranium | 2.4 kilograms | 42.0 kilograms |
| Nitrates | 10.6 kilograms | 405.6 kilograms |

***Milestone Status***: On Schedule.

- **M-015-110B: Submit CMS & FS and PP/PCAD for the 200-DV-1 OU to Ecology, 9/30/2015**
  - *This work cannot be performed in the time available from issuance of the work plan 3/31/2015 and the due date of 9/30/2015. This should have been addressed when M-015-110A was renegotiated.*

***Milestone Status:*** At Risk

Regulatory Agency Comments: N/A

**200-EA-1 and 200-IS-1** *Ecology Lead (RL- Doug Hildebrand, CHPRC – Bert Day)*

***200-IS-1***

- **M-015-112: Submit Draft B, 200-IS-1 OU Pipeline System Waste Sites RFI/CMS/RI/FS WP to Ecology, including a schedule of completion dates for major tasks and deliverables, 2/28/2014.**
  - *On December 10, 2013, TPA dispute resolution was invoked and an extension to resolve issues at the project manager level was requested. Ecology has agreed to extend the dispute at the project manager's level to June 30, 2014.*
  - *Developing the Central Plateau Inner Area Principles and parameters jointly as the Tri-Parties, which will then help resolve the risk assessment, modeling, and RCRA/CERCLA integration work plan comments.*
  - *Progressing with Ecology comment resolution on the Draft A Work Plan. Addressed 22 Work Plan comments during the April 3, 2014, closing three comments and portions of two additional comments; the remaining comments were discussed and a general understanding reached regarding the necessary updates.*

***Milestone Status***: Dispute Resolution invoked.

***200-EA-1***

- **M-015-92A, Submit a RFI/CMS & RI/FS work plan for the 200-EA-1 OU (200 East Inner Area) to Ecology, 6/30/2015**
  - *Not funded in FY14 - Work has been deferred due to other priorities.*

***Milestone Status:*** At Risk

***200-EA-1 and 200-IS-1***

- **M-015-92B: Submit CMS & FS Report(s) & Proposed CA Decision(s)/PP(s) for the 200-EA-1 and 200- IS-1 OUs (Central Plateau 200 East Inner Area) to Ecology, 12/31/2016**
  - *200-IS-1: Milestone date will need to be adjusted based on outcome of dispute resolution for M-015-112 (200-IS-1 Work Plan).*
  - *200-EA-1: Milestone is in jeopardy due to Work Plan being deferred due to other priorities.*

***Milestone Status:*** At Risk

Regulatory Agency Comments: N/A

**200-SW-2** *Ecology Lead (RL- Doug Hildebrand, CHPRC – Phil Burke)*

- **M-015-113: Submit Draft B, 200-SW-2 Radioactive Landfills Group RFI/CMS/RI/FS Work Plan to Ecology, including a schedule of completion dates for major tasks and deliverables, 2/28/2014**
  - *On December 10, 2013, TPA dispute resolution was invoked and an extension to resolve issues at the project manager level was requested. Ecology has agreed to extend the dispute at the project manager's level to June 30, 2014.*
  - *Resolution of Ecology's comments on the Draft A RI/FS Work Plan continues. A workshop was held on April 21, 2014, that evaluated the characterization needs for the first five landfills. A second workshop is schedule for May 5, 2014.*
  - *The parties are currently working on a revised schedule for the Central Plateau Inner Area principles and finalization of the 200-SW-2 work plan.*

***Schedule Status***: Dispute Resolution. The parties are currently working on a revised schedule for the Central Plateau Inner Area principles and finalization of the IS-1, SW-2, and WA-1 work plans.

- **M-015-93B: Submit RFI/CMS & RI/FS Report & Proposed CA Decision/PP for 200-SW-2, 12/31/2016**
  - *Milestone date will need to be adjusted based on outcome of dispute resolution for M-015-113 (200-SW-2 work plan).*

***Milestone Status:*** At Risk

Regulatory Agency Comments: N/A

**200-SW-1** *Ecology Lead (RL- Doug Hildebrand)*

- **EA released for public review August 29, 2011. The last of the public comments were received on November 17, 2011.**
  - *The EA was deferred while the Tank Closure and Waste Management EIS was in progress.*

***Schedule Status:*** *The public comments have been incorporated and the EA is under internal review.*

Regulatory Agency Comments: N/A

**200-BC-1 and 200-WA-1** *EPA Lead (RL- John Sands, CHPRC – Phil Burke)*

***200-WA-1***

- **M-015-91A: Submit a RI/FS work plan for the 200-WA-1 OU (200 West Inner Area) to EPA, 12/31/2011**
  - *The parties are currently working on a revised schedule for the Central Plateau Inner Area principles and finalization of the 200-WA-1 work plan.*

***Schedule Status***: **Milestone complete**. Rev. 0 schedule is currently under discussion with the regulatory agencies.

***200-BC-1 and 200-WA-1***

- **M-015-91B: Submit Feasibility Study Report(s) and Proposed Plan(s) for the 200-BC-1/200-WA-1 operable units (200 West Inner Area) to EPA, 12/31/2015**
  - *Awaiting finalization of Rev 0 Work Plan (M-015-91A). This milestone date will need to be revised based on issuance of the Rev 0 work plan.*

***Milestone Status:*** At Risk

***Tc-99 Desiccation Test*** *EPA Lead (RL – John Morse, CHPRC – Glen Chronister)*

- **M-015-110D: Submit technetium-99 pilot scale treatability study test report(s) as an element of the RI for the 200-BC-1/200-WA-1 OUs to EPA, 6/30/2012 (Complete)**
  - *The active/operations portion of the Desiccation Pilot Test was completed on June 30, 2011. The project is now in a five year rebound monitoring process. An interim report of the operation and rebound testing was prepared at the end of FY2013.*

***Schedule Status:*** Milestone complete, rebound monitoring ongoing.

Regulatory Agency Comments: N/A

**200-CW-1, 200-CW-3, 200-OA-1** *EPA Lead (RL –Greg Sinton, CHPRC – Phil Burke)*

- **M-015-38B: Submit a revised FS Report and revised PP(s) for 200-CW-1, 200-CW-3, and 200-OA-1 OUs for Waste Sites in the Outer Area of the Central Plateau to EPA, 10/30/2014**
  - *Milestone status reported as "to be missed" at the TPA Quarterly Milestone Review January 16, 2014. This activity has not been funded, and preparation of a revised FS Report and PP(s) has not been initiated.*

***Milestone Status:*** To Be Missed.

Regulatory Agency Comments: N/A

**200-BP-5 and 200-PO-1** *Ecology Lead (RL – John Morse, CHPRC – Curt Wittreich)*

- **M-015-82B: Initiate 200-BP-5 Aquifer Tests Within 6 months of TTP Approval, approval of TTP + 6 months**
  - *The initial phase (step-drawdown) of the treatability test is planned to be performed in May 2014.*
  - *Additional testing will be performed once uranium treatment is available at the 200 West Pump and Treatment Facility and a pipeline is installed from 200-BP-5 to 200 West. An EE/CA is under preparation to authorize this activity.*

***Schedule Status:*** Milestone complete, testing to be performed.

- **M-015-21A: Submit 200-BP-5 and 200-PO-1 OU FS Report & PP(s) to Ecology, 6/30/2015**
  - *The most current groundwater data set has been compiled for both 200-BP-5 and 200-PO-1 to prepare a 200-BP-5 baseline risk assessment and to prepare a supplemental analysis for 200-PO-1 (the 200-PO-1 RI Report was issued October 2012). The goal is to have a current and integrated database for both OUs in support of the combined BP-5/PO-1OU FS.*
  - *The Central Plateau model is being expanded to the river to encompass all of the 200-PO-1 OU.*
  - *Preparation of the draft 200-BP-5 RI Report is funded in FY2014. The Draft A RI report is scheduled to be complete by June 30, 2015.*
  - *The BP-5/PO-1 FS Report is not funded in FY2014.*

  ***Milestone Status:*** At Risk

  Regulatory Agency Comments: N/A

**M-015 Milestone Series, Major Milestone** *Dual Agency Lead*

- **M-015-00: Complete the RI/FS Process for all Non-Tank Farm OUs, 12/31/2016**
  - *This milestone may be impacted by the interim OU milestones statused above.*

  ***Milestone Status:*** At Risk

  Regulatory Agency Comments: N/A

**200-PW-1/3/6 and CW-5 ROD Implementation** *EPA Lead (RL- Greg Sinton, CHPRC – Bert Day)*

- **M-016-125: Submit a Remedial Design/Remedial Action Work Plan for 200-CW-5 and 200-PW-1/3/6 to EPA as described in Section 12.4 of the associated ROD, 9/30/2015**

  ***Milestone Status:*** On Schedule.

  Regulatory Agency Comments: N/A

**200-PW-1 Soil Vapor Extraction Operations** *EPA Lead (RL – John Morse, CHPRC – Mark Byrnes)*

- *A rebound study is currently in process. In May 2014, soil vapor concentrations in wells will be measured and a decision made whether or not to perform active SVE operations in FY2014. – ask Mark Byrnes*
- *A Path Forward document (DOE/RL-2014-18) has been prepared and signed by EPA that identifies the specific steps outlined in PNNL-21843 for how a soil vapor extraction project comes to closure. A follow-on document is currently being prepared that identifies specifically where the 200-PW-1 SVE operations are in this process and what final steps need to be taken to permanently discontinue all future 200-PW-1 SVE operations.*

  Regulatory Agency Comments: EPA Comment – EPA requested SVE data be provided.

**200-UP-1 Remedy Implementation** *EPA Lead (RL – Naomi Jaschke, CHPRC – Curt Wittreich)*

- **M-016-190: Complete the installation of extraction and injection wells for the U Plant area pump & treat system for uranium and technetium-99, and the iodine-129 hydraulic containment system as defined in the 200-UP-1 RD/RAWP, 9/30/2015**
  - *The remedial design of the U Plant area uranium extraction and treatment train continued. The installation of two extraction wells for the uranium plume is expected to be completed in FY2014. The design effort will evaluate the need for local injection wells for the U Plant area to meet RAOs, and will provide the basis for revising the RD/RAWP and the wording to this milestone, as needed. Uranium treatment is planned to be operational by the spring of 2015.*

- *The Performance Monitoring Plan (PMP) effort for the operable unit was initiated..*

***Milestone Status:*** On Schedule.

- **M-016-191: Complete acceptance test procedures and operational test procedures and initiate startup operations for the U Plant area P&T for uranium and tech-99, and Iodine-129 hydraulic containment system, 3/30/2016**
  - *The remedial design process for the U Plant area uranium plume extraction and treatment system continued.*
  - *Two extraction wells were located and are planned to be completed in FY2014.*
  - *A new ion-exchange resin train will be procured to provide uranium treatment capacity in the 200 West P&T Facility.*

***Milestone Status:*** On Schedule.

- **M-016-192: Submit I-129 Technology Evaluation Plan Draft A to EPA as defined in the UP-1 RD/RA WP, 6/17/2016**
  - *Laboratory, field data evaluation and technology reviews are currently being performed to develop the Technology Evaluation Plan Draft A.*

***Milestone Status:*** On Schedule.

- **M-016-193: Complete the remedial design investigation of the SE chromium plume, including the installation of new wells and evaluation of the GW monitoring data and install monitoring wells needed for remedy performance monitoring as defined in the UP-1 RD/RA WP, 9/30/2017**

***Milestone Status:*** On Schedule.

Regulatory Agency Comments: N/A

**200-ZP-1** *EPA Lead (RL – John Morse, CHPRC – Mark Byrnes)*

- *During the month of April 2014, the pumping rates at the 200 West P&T ranged from ~1,545 gpm to 1,635 gpm. The two ion exchange resin trains were run between 478 gpm and 496 gpm combined capacity, removing technetium-99 from groundwater from wells near the TX-TY Tank Farm, T Tank Farm, as well as S-SX Tank Farm.*
- *259 kg of carbon tetrachloride and 4,933 kg of nitrate as N (or 21,846 kg nitrate as NO3) were recovered during April 2014.*
- *The average concentration of contaminants of concern in the effluent water remains below the cleanup levels specified in the Record of Decision.*

Regulatory Agency Comments: N/A

**200 Area Groundwater**

- **M-016-119-T01: DOE will have a remedy in place to contain existing groundwater plumes (except iodine, nitrate, and tritium) in the 200 NPL Area, 12/31/2020**

***Milestone Status:*** On Schedule.

Regulatory Agency Comments: N/A

**M-016 Milestone Series, Major Milestone** *Dual Agency Lead*

- **M-016-00: Complete Remedial Actions for all Non-Tank Farms & Non-Canyon OUs, 9/30/2024**
  - This milestone may be impacted by the interim OU milestones statused above.

***Milestone Status:*** At Risk

Regulatory Agency Comments: N/A

**M-024 Milestone Series/Well Drilling** *Ecology Lead (RL-Mike Thompson, CHPRC-Mark Cherry)*

- **M-024-58G: Initiate Discussions of Well Commitments, 6/01/2014**
- **M-024-65-T01: Conclude Discussions of Well Commitments, 8/01/2014**
- **M-024-65: DOE Shall Complete Construction of all Wells Identified in M-24-11-01, 12/31/2014**
- **M-024-00O: Complete Well Installations with RCRA/CERCLA Requirements, TBD**

***Milestone Status:*** On Schedule.

Regulatory Agency Comments: N/A

**200 Area RCRA TSD Closures** *Ecology Lead (RL – John Sands/Joe Axtell, CHPRC – Phil Burke)*

- **M-037-03: Submit Revised Closure Plans to support TSD closure for two (2) TSD Units: 216-B-3 Main Pond system, and 216-S-10 Pond and Ditch, 4/30/13**
  - *The two closure plans were submitted to Ecology on April 23, 2013.*
  - *Ecology issued a letter on July 12, 2013 (Notice of Deficiencies for the 216-B-3 Main Pond Closure- DOE/RL-2013-24, Draft A and the 216-S-10 Pond and Ditch Closure Plan- DOE/RL-2006-12, Draft B), requesting DOE to revise and resubmit the closure plans correcting the deficiencies as part of Rev. 9 or as a permit modification.*
  - *DOE-RL NOD responses extended to December 9, 2013 to enable coordination with Ecology guidance documents in support of the Hanford RCRA permit.*
  - *Transmitted NOD responses on December 3, 2013.*

***Schedule Status:*** **Milestone complete**; closure plans undergoing NOD process.

- **M-037-02: Submit Revised Closure Plans to support TSD closure for five (5) TSD Units: 207-A South Retention Basin, 216-A-29 Ditch, 216-A-36B Crib, 216-A-37-1 Crib, and 216-B-63 Trench, 06/30/2014**
  - *Currently revising the 5 TSD Closure Plans for transmittal to Ecology.*

***Milestone Status:*** On Schedule.

- **M-037-11: Complete unit-specific closure requirements for two (2) TSD Units; 216-B-3 Main and Pond system and 216-S-10 Pond and Ditch, 9/30/2016**

***Milestone Status:*** On Schedule.

- **M-037-10: Complete Unit-Specific Closure Requirements According To The Closure Plan(s) For seven (7) TSD Units: 207-A South Retention Basin, 216-A-29 Ditch, 216-A36B Crib, 216-A-37-1 Crib, 216-B-63 Trench, Hexone Storage and Treatment Facility (276-S-141/142), and 241-CX Tank System (241-CX-70/71/72), 9/30/2020**

***Milestone Status:*** On Schedule

Regulatory Agency Comments: N/A

**Canyon Facilities**

***U Plant Canyon*** *EPA Lead* (RL – Wade Woolery, CHPRC – TBD)

- **M-016-200A: Complete U Plant Canyon (221-U) demolition in accordance with the RD/RAWP, 9/30/2017**

***Milestone Status:*** At Risk

- **M-016-200B: Complete U Plant Canyon (221-U) barrier construction in accordance with the RD/RAWP, 9/30/2021**
  - *These milestones may be impacted by the 200-WA-1 and 200-OA-1 OU interim milestones statused above.*

***Milestone Status:*** At Risk

Regulatory Agency Comments: N/A

***Canyon Facilities*** *EPA/Ecology Lead* (RL – Ray Corey, CHPRC – Moses Jaraysi)

- **M-085-02: Submit Change Package to Establish Schedule for Submittal of RI/FS Work Plans for Canyons and RAWPs for 224B & 224T, 9/30/2015**
- **M-085-01: Submit a Change Package to Establish a Date for Major Milestone M-085-00, 9/30/2022**
- **M-085-00: Complete response actions for the canyon facilities/associated past practice waste sites, other Tier 1 Central Plateau facilities not covered by existing milestones, and Tier 2 Central Plateau facilities. This includes B Plant, PUREX, and REDOX canyons and associated past practice waste sites in 200-CB-1, 200-CP-1, and 200-CR-1 OUs. The milestone does not include U Plant or T Plant canyons, TBD**

***Milestone Status:*** On Schedule

Regulatory Agency Comments: N/A

200 AREA PROJECT MANAGERS' MEETING MILESTONE LIST
May 15, 2014

| Milestone | Title | Due Date | Operable Unit (or Activity Area) |
|---|---|---|---|
| M-015-110A | Submit RCRA FI/CMS & RI/FS Work Plan for 200-DV-1 OU | 3/31/2015 | 200-DV-1 |
| M-015-110B | Submit CMS & FS & Proposed Plan/CA Decision for the 200-DV-1 OU | 9/30/2015 | 200-DV-1 |
| M-015-112 | Submit Draft B 200-IS-1 RFI/CMS/RI/FS Work Plan to Ecology with Schedule Dates | 2/28/2014 | 200-IS-1 |
| M-015-92A | Submit RCRA FI/CMS & RI/FS Work Plan for 200-EA-1 OU to Ecology | 6/30/2015 | 200-EA-1 |
| M-015-92B | Submit CMS & FS Reports & Proposed CA Decision/PP for 200-EA-1 & 200-IS-1 | 12/31/2016 | 200-EA-1 and 200-IS-1 |
| M-015-113 | Submit Draft B 200-SW-2 RFI/CMS/RI/FS Work Plan to Ecology Including Schedule | 2/28/2014 | 200-SW-2 |
| M-015-93B | Submit RCRA FI/CMS & RI/FS Report & Proposed CA Decision/PP for 200-SW-2 | 12/31/2016 | 200-SW-2 |
| M-015-91B | Submit FS Report & Proposed Plan for the 200-BC-1/200-WA-1 OU | 12/31/2015 | 200-BC-1 and 200-WA-1 |
| M-015-21A | Submit 200-BP-5 and 200-PO-1 OU FS Report & PP(s) to Ecology | 6/30/2015 | 200-BP-5 and 200-PO-1 |
| M-015-38B | Submit Revised FS Report & PP for CW-1, CW-3 & OA-1 to EPA | 10/30/2014 | 200-CW-1, 200-CW-3, 200-OA-1 |
| M-015-00 | Complete the RI/FS Process for all Non-Tank Farm OUs | 12/31/2016 | M-015 Major Milestone |
| M-016-125 | Submit RD/RA Work Plan to EPA for 200-CW-5 & 200-PW-1/3/6 per ROD | 9/30/2015 | 200-CW-5 and 200-PW-1/3/6 |
| M-016-190 | Complete Installation of Wells for U-Plant Area Pump & Treat Per 200-UP-1 RD/RA WP | 9/30/2015 | 200-UP-1 |
| M-016-191 | Complete Acceptance/Operation Test Procedures and Initiate Operations of U Plant Area Pump & Treat | 3/30/2016 | 200-UP-1 |
| M-016-192 | Submit I-129 Technology Evaluation Plan Draft A to EPA Per 200-UP-1 RD/RA WP | 6/17/2016 | 200-UP-1 |
| M-016-193 | Investigate SE Chromium Plume, Install Wells, Evaluate GW Monitoring Data & Install Monitoring Wells | 9/30/2017 | 200-UP-1 |
| M-016-119-T01 | Operational Sys in Place To Contain GW Plumes in 200 NPL Area | 12/31/2020 | 200 Area GW OUs |
| M-016-00 | Complete Remedial Actions for all Non-Tank Farms & Non-Canyon OUs | 9/30/2024 | M-016 Major Milestone |
| M-024-58G | Initiate Discussions of Well Commitments | 6/01/2014 | All GW OUs |
| M-024-65-T01 | Conclude Discussions of Well Commitments | 8/01/2014 | All GW OUs |
| M-024-65 | DOE Shall Complete Construction of all Wells Identified in M-24-11-01 | 12/31/2014 | All GW OUs |
| M-024-00O | Complete Well Installations with RCRA/CERCLA Requirements | TBD | All GW OUs |
| M-037-02 | Submit Revised Closure Plans to support TSD closure for five (5) TSD Units: 207-A South Retention Basin, 216- | 6/30/2014 | TSD Units |

| Milestone | Title | Due Date | Operable Unit (or Activity Area) |
|---|---|---|---|
| | **A-29 Ditch, 216-A-36B Crib, 216-A-37-1 Crib, and 216-B-63 Trench** | | |
| **M-037-11** | **Complete Closure Requirements for 216-B-3 & 216-S-10** | 9/30/2016 | TSD Units |
| **M-037-10** | **Complete Unit-Specific Closure Requirements According To The Closure Plan(s) For seven (7) TSD Units: 207-A South Retention Basin, 216-A-29 Ditch, 216-A36B Crib, 216-A-37-1 Crib, 216-B-63 Trench, Hexone Storage and Treatment Facility (276-S-141/142), and 241-CX Tank System (241-CX-70/71/72)** | 9/30/2020 | TSD Units |
| **M-016-200A** | **Complete U Plant Canyon (221 U Facility) Demolition** | 9/30/2017 | 200-CU-1 |
| **M-016-200B** | **Complete U Plant Facility (221 U Facility) Barrier Construction** | 9/30/2021 | 200-CU-1 |
| **M-085-02** | **Submit Change Package to Establish Schedule for Submittal of RI/FS WPs for Canyons & RAWPs for 224B & T** | 9/30/2015 | Canyon Facilities |
| **M-085-01** | **Submit a Change Package to Establish Date for Major Milestone M-085-00** | 9/30/2022 | Canyon Facilities |
| **M-085-00** | **Complete Response Actions for Specified Canyon Facilities & Waste Sites** | TBD | Canyon Facilities |