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CHPRC-1402449

Meeting Minutes Transmittal/Approval
Project Managers' Meeting
200 Area Groundwater and Source Operable Units
July 17, 2014

APPROVAL: _____ **DATE:** 7-17-2014
Briant Charboneau, 200 Area Unit Manager, DOE/RL

APPROVAL: _____ **DATE:** 7-17-2014
Al Farabee, 200 Area Project Manager, DOE/RL

APPROVAL: _____ **DATE:** July 17, 2014
Emerald Laija, 200 Area Project Manager, EPA
Rod Lobos for

APPROVAL: _____ FOR **DATE:** 7/17/14
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
July 17, 2014

DOE/RL	
(No hard copy distribution)	
EPA	
Emerald Laija	B1-46
Ecology	
Nina Menard	H0-57
CHPRC	
Jane V. Borghese (original)	H8-43
Administrative Record (2)	H6-08
Correspondence Control	A3-01

Minutes of the 200 Area Project Managers' Meeting of July 17, 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-1402449
Attachment 1

200 Area Project Managers' Status Meeting
July 17, 2014

Please print clearly and use black ink

PRINTED NAME	ORGANIZATION	O.U. ROLE	TELEPHONE
Michael Cline	DOE		376-6070
KIM WELSCH	ECOLOGY		372-7882
Shelley Cimon	ODOE		(541) 963-0853
Dib Goswami	Ecology		372-7902
Jane V Borghese	CHPRC		373-3804
Lorna M Dittmer	CHPRC		376-7017
Deborah Singleton	Ecology		372 7923
Elis Eberlein	Ecology		372-7906
Briant Charboneau	DOE		3-6137
Rod Lobos	EPA		6-3749
JOE AXTELL	DOE		373-6687
John Sands	DOE		372-2282
Martin Doornbos	CHPRC		438-5516
Greg Sinton	DOE		373-7939
RD Hildebrand	DOE		373-9626

200 Area Project Managers' Meeting
Agreements and Issues List
July 17, 2014

Agreement: None

Issue: None

Announcements: None

Delegations for July 17, 2014 PMM meeting:

DOE/RL	Briant Charboneau for Al Farabee
Ecology	Kim Welsch for Nina Menard
EPA	Rod Lobos for Emerald Laija

200 Area Project Managers' Meeting
July 17, 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	Closed	Closed: part of action item #151
146	TPA Change Notice to add pipelines to IS-1	RL/Doug Hildebrand	Ecology/Kim Welsch	5/16/13	7/15/13	8/30/2014	Open; Path forward identified.
151	The finalized Inner Area Principles	DOE/ B. Charboneau	EPA, Ecology	3/20/14	Open		Open ; expected to be shared with Ecology by end of July 2014
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	Closed.
154	Include action item list when emailing agenda	Lorna Dittmer/Gayelyn Gibson					Closed.
155	Discuss closure of SW-1	RL/Doug Hildebrand	Ecology/Deborah Singleton	5/15/14	6/2/14		Closed.
156	Meeting on 200-WA-1 specific waste sites	RL/John Sands	EPA/Craig Cameron	5/15/14	6/16/14		Closed.
157	Ecology has expressed concern that if a decision is not reached soon for SW-1 EA, that the EA process will have to be repeated. Ecology has requested a response from DOE	DOE/ B. Charboneau	Ecology	7/17/14	9/18/14		Open
158	Ecology requests discussions of scope for BP-5 RI report	RL/John Morse / Marty Doornbos	Ecology	7/17/14	9/18/14		Open

200 AREA PROJECT MANAGERS' MEETING

Milestones and Operational Status by OU

July 17, 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**
  - *Internal draft review comments on the RI/FS Work Plan have been transmitted to CHPRC and are currently being addressed.*
  - *The Decisional Draft RI/FS Work Plan will be issued to RL on July 23, 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.*
  - *RL and EPA comments on the Action Memorandum have been incorporated into the document. Ecology comments have been received and are currently being addressed.*
  - *The B Area perched water extraction system removed 5,434 gallons in June, bringing the total volume of perched water removed to 211,491 gallons since initiating operations on August 30, 2011. The following quantities of contaminants were removed:*

200-DV-1 Perched Water	Current Month	Cumulative
Gallons	5,434	211,491
Tc-99	11.16E-04 Ci	26.60E-03 Ci
Uranium	2.0 kilograms	45.1 kilograms
Nitrates	10.7 kilograms	431.16 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 September 30, 2015. This milestone was not adjusted when the M-015-110A milestone was renegotiated.*

Milestone Status: To Be Missed.

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 (signed June 17, 2014) to extend the dispute at the project manager's level to August 30, 2014.*
  - *Initiating and drafting Chapters 1-3 text revisions and revising comment responses, as appropriate, for submittal to Ecology.*
  - *Developing draft response strategy for the various comment themes; some themes will require agreement on the Principles and Parameters document prior to final text revisions.*
  - *Reviewed the draft delivery field schedule with Ecology on June 9, 2014.*
  - *Preparing for site conceptual model and uncertainty management workshops planned for July.*

Milestone Status: Dispute Resolution. The parties are currently working on a revised schedule for the finalization of the work plan.

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 based on site priorities.*

  Milestone Status: To Be Missed.

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.*
  - *Discussion was held at the 200 Area PMM regarding dividing this milestone.*

  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**
  - *Resolution of Ecology's comments on the Draft A RI/FS Work Plan continues. A series of workshops have been completed to discuss the characterization needs for each of the landfills.*
  - *The team is preparing a table summary and series of maps of the preliminary characterization agreements reached for each of the landfills. RL and Ecology met July 10, 2014, to review the summary.*
  - *Work has been initiated on the preparation of the SAP to accompany the work plan.*
  - *The milestone for the work plan submittal was extended at the project manager level on June 17, 2014, to July 30, 2014, to allow RL and Ecology to develop a milestone schedule that will allow the project to incorporate the Central Plateau agreements into the work plan.*

  Schedule Status: Dispute Resolution. The parties are currently working on a revised schedule for the finalization of the work plan. A draft Federal Facility Agreement and Consent Order Change Control Form was submitted to Ecology for review on July 16, 2014. This change control form extends the due date for TPA Interim Milestone M-015-113 to March 31, 2015, pending final approval.

- **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 the approval of the work plan (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: Ecology has expressed concern that if a decision is not reached soon, that the EA process will have to be repeated.

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**
  - *Continued with the re-evaluation of waste site data needs and development of the SAP to accompany the RI/FS work plan.*
  - *Evaluation of risk assessment and graded approach modeling data needs as well as incorporation of cleanup principles is underway.*
  - *A regulatory meeting was held on June 12, 2014, to discuss waste sites that could be categorized as "housekeeping or general maintenance" and could be removed from the operable unit and handled through either rejection or alternative approaches.*
  - *The next regulatory workshop to discuss the proposed RI characterization has been planned for the week of July 28, 2014.*

Schedule Status: **Milestone complete**. Draft Rev. 0 RI/FS work plan is currently planned for submittal to the regulatory agencies on December 18, 2014.

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: To Be Missed.

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.*
  - *On July 9, 2014, RL delivered a letter to EPA, accompanied by a TPA Change Control Form for interim milestone M-015-38B, due 10/30/14, to inform EPA the milestone will be missed. The change form indicates a new proposed schedule based on the President's 2015 Budget proposal and site clean-up priorities will be developed by 10/30/2015. RL has submitted a draft Tri-Party Agreement change control form to EPA reflecting the revision.*

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 has been delayed to August 2014, to accommodate ETF maintenance activities.*
  - *Completion of the treatability test will occur once the uranium treatment is available at the 200 West Pump and Treatment Facility and a pipeline is installed from 200-BP-5 to 200 West. The Treatability Test Plan will be revised to authorize the pipeline 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 support the 200-BP-5 baseline risk assessment and supplemental analysis for 200-PO-1 (the 200-PO-1 RI Report was issued October 2012). Fate and transports modeling for the no action case was initiated.*
  - *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 combined BP-5/PO-1 FS Report is not funded in FY2014 and as a result, the M-015-21A milestone is at risk.*

  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)*

- *Rebound sampling was performed in May and June 2014, that shows over the past year the majority of the wells across the operable unit remained below the cleanup levels established for carbon tetrachloride and methylene chloride in the PW-1/3/6 Record of Decision. EPA has approved suspending operation of the SVE system for another year to conduct another round of rebound sampling in 2015.*
- *A path forward document (DOE/RL-2014-18) has been 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: N/A

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 Sampling and Analysis Plan for Remediation Wells in the 200-UP-1 Operable Unit, DOE/RL 2014-27, was approved by EPA.*
  - *The drilling of two extraction wells for the uranium plume was initiated June 26, 2014.Initiated the planning for the installation of a hydraulic containment system for I-129 per the RD/RAWP.*

  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 30% remedial design of the U Plant area uranium extraction and treatment train was completed and the 90% design was initiated. Fabrication of the new ion-exchange treatment train for uranium by Avantech continued.*
  - *The Performance Monitoring Plan (PMP) effort for the operable unit continued.*
  - *The decisional draft Calendar Year 2013 Annual Summary Report for the 200-ZP-1 and 200-UP-1 Operable Unit Pump-and-Treat Operations (DOE/RL-2014-26) was received for DOE review.*

  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 June 2014, the pumping rates at the 200 West P&T ranged from ~1,495 gpm to 1,716 gpm. The two ion exchange resin trains were run between 430 gpm and 540 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.*
- *275 kg of carbon tetrachloride and 4,946 kg of nitrate as N (or 21,904 kg nitrate as NO3) were recovered during June 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 - Complete**
- **M-024-65-T01: Conclude Discussions of Well Commitments, 8/01/2014 – On Schedule**
- **M-024-65: DOE Shall Complete Construction of all Wells Identified in M-24-11-01, 12/31/2014 - Complete**
- **M-024-00O: Complete Well Installations with RCRA/CERCLA Requirements, TBD - On Schedule**

Milestone Status: On Schedule. M-024-58G was completed on May 19, 2014.
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**
  - *The five RCRA TSD Closure Plans were submitted June 24, 2014, to fulfill the Tri-Party Agreement Interim Milestone M-037-02 which requires submittal to Ecology by June 30, 2014.*

Milestone Status: Complete.

- **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**
  - *The outstanding Notice of Deficiency comments on the closure plans have not been resolved which prevents finalization of the plans.*

  Milestone Status: At Risk.
- **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

July 17, 2014

Milestone	Title	Due Date	Status	Operable Unit (or Activity Area)
M-015-110A	Submit RCRA FI/CMS & RI/FS Work Plan for 200-DV-1 OU	3/31/2015	OS	200-DV-1
M-015-110B	Submit CMS & FS & Proposed Plan/CA Decision for the 200-DV-1 OU	9/30/2015	AR	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	DR	200-IS-1
M-015-92A	Submit RCRA FI/CMS & RI/FS Work Plan for 200-EA-1 OU to Ecology	6/30/2015	AR	200-EA-1
M-015-92B	Submit CMS & FS Reports & Proposed CA Decision/PP for 200-EA-1 & 200-IS-1	12/31/2016	AR	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	TBD	DR	200-SW-2
M-015-93B	Submit RCRA FI/CMS & RI/FS Report & Proposed CA Decision/PP for 200-SW-2	12/31/2016	AR	200-SW-2
M-015-91B	Submit FS Report & Proposed Plan for the 200-BC-1/200-WA-1 OU	12/31/2015	AR	200-BC-1 and 200-WA-1
M-015-38B	Submit Revised FS Report & PP for CW-1, CW-3 & OA-1 to EPA	10/30/2014	TBM	200-CW-1, 200-CW-3, 200-OA-1
M-015-21A	Submit 200-BP-5 and 200-PO-1 OU FS Report & PP(s) to Ecology	6/30/2015	AR	200-BP-5 and 200-PO-1
M-015-00	Complete the RI/FS Process for all Non-Tank Farm OUs	12/31/2016	AR	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	OS	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	OS	200-UP-1
M-016-191	Complete Acceptance/Operation Test Procedures and Initiate Operations of U Plant Area Pump & Treat	3/30/2016	OS	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	OS	200-UP-1
M-016-193	Investigate SE Chromium Plume, Install Wells, Evaluate GW Monitoring Data & Install Monitoring Wells	9/30/2017	OS	200-UP-1
M-016-119-T01	Operational Sys in Place To Contain GW Plumes in 200 NPL Area	12/31/2020	OS	200 Area GW OUs
M-016-00	Complete Remedial Actions for all Non-Tank Farms & Non-Canyon OUs	9/30/2024	AR	M-016 Major Milestone
M-024-58G	Initiate Discussions of Well Commitments	6/01/2014	COMP	All GW OUs

Milestone	Title	Due Date	Status	Operable Unit (or Activity Area)
M-024-65-T01	Conclude Discussions of Well Commitments	8/01/2014	OS	All GW OUs
M-024-65	DOE Shall Complete Construction of all Wells Identified in M-24-11-01	12/31/2014	COMP	All GW OUs
M-024-00O	Complete Well Installations with RCRA/CERCLA Requirements	TBD	OS	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-A-29 Ditch, 216-A-36B Crib, 216-A-37-1 Crib, and 216-B-63 Trench	6/30/2014	COMP	TSD Units
M-037-11	Complete Closure Requirements for 216-B-3 & 216-S-10	9/30/2016	AR	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	OS	TSD Units
M-016-200A	Complete U Plant Canyon (221 U Facility) Demolition	9/30/2017	AR	200-CU-1
M-016-200B	Complete U Plant Facility (221 U Facility) Barrier Construction	9/30/2021	AR	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	OS	Canyon Facilities
M-085-01	Submit a Change Package to Establish Date for Major Milestone M-085-00	9/30/2022	OS	Canyon Facilities
M-085-00	Complete Response Actions for Specified Canyon Facilities & Waste Sites	TBD	OS	Canyon Facilities

Status Acronym Definitions

AR - At Risk
COMP - Complete
DR - Dispute Resolution
OS - On Schedule
TBD - To Be Determined
TBM - To Be Missed