

**DISTRIBUTION
PROJECT MANAGERS' MEETING,
200 AREA GROUNDWATER SOURCE OPERABLE UNITS
November 21, 2013**

DOE/RL

(No hard copy distribution)

EPA

Craig Cameron

B1-46

Ecology

Nina Menard

H0-57

CHPRC

Lorna Dittmer (original)

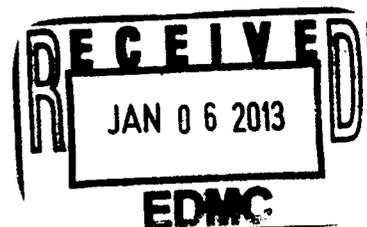
H8-45

Administrative Record (2)

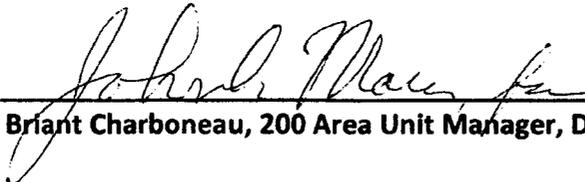
H6-08

Correspondence Control

A3-01



Meeting Minutes Transmittal/Approval
Project Managers' Meeting
200 Area Groundwater and Source Operable Units
November 21, 2013

APPROVAL:  DATE: 11/21/2013
Briant Charboneau, 200 Area Unit Manager, DOE/RL

APPROVAL:  DATE: 11/21/2013
for Craig Cameron, 200 Area Project Manager, EPA

APPROVAL:  DATE: 11/21/2013
for 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.

**Minutes of the 200 Area Project Managers' Meeting of November 21, 2013 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

**200 Area Project Managers' Meeting
Agreements and Issues List
November 21, 2013**

Agreement: None

Issue: None

Announcements: None

Delegations for November 21, 2013 PMM meeting:

DOE/RL John Morse for Briant Charboneau

EPA Emerald Laija for Craig Cameron

Ecology Alicia Boyd for Nina Menard

**200 Area Project Managers' Meeting
November 21, 2013**

CHPRC-1304269
Attachment 3

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	2/28/2014	Open;
146	TPA Change Notice to add pipelines to IS-1	RL/Doug Hildebrand	Ecology/Kim Welsch	5/16/13	7/15/13	2/28/2014	Open
147	Adjust frequency of PMM meetings.	Lorna Dittmer	Everyone	11/21/13	12/10/13		Open: change frequency to every other month, starting January 16, 2014
148	Roll out meeting between Ecology, EPA and DOE to discuss Inner Area Principles	DOE/ B. Charboneau	EPA, Ecology	11/21/13	1/9/14		Open
149	Provide a draft of the Inner Area Principles to be incorporated into the WA-1 work plan	DOE/ B. Charboneau	EPA, Ecology	11/21/13	1/16/14		Open
150	Reformat meeting minute document	Lorna Dittmer/Gayelyn Gibson	EPA, Ecology, DOE	11/21/13	1/16/14		Open

200 AREA PROJECT MANAGERS MEETING
PROJECT STATUS UPDATES

November 21, 2013
AGENDA

CENTRAL PLATEAU INNER AREA

200-WA-1

Inner Area: Central Plateau Burial Grounds

200-SW-2

Inner Area: Central Plateau Deep Vadose Zone

200-DV-1 RI/FS

200-BC-1/200-WA-1 Tc-99 Desiccation Test

BOTH INNER & OUTER AREAS

200-IS-1

CENTRAL PLATEAU OUTER AREA

200-CW-1, 200-CW-3, 200-OA-1

200-SW-1

TSD Units

CENTRAL PLATEAU GROUNDWATER

200-ZP-1/200 West Area GW Treatment Facility 200-PW-1 SVE

200-UP-1 RD/RA WP 200-UP-1 Remedy Implementation

200-BP-5 TTP

200-BP-5 and 200-PO-1 FS

FUTURE SCOPE (out-year TPA milestones and projects)

200-EA-1

200-DV-1

Canyon Facilities

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

200-BC-1 and 200-WA-1

200-EA-1 & 200-IS-1

U Plant Canyon

TSD Units

GW Plumes

Canyon Facilities

200 AREA PROJECT MANAGERS MEETING
PROJECT STATUS UPDATES

November 21, 2013

CENTRAL PLATEAU INNER AREA

200-WA-1 EPA Lead

- **M-015-91A: Submit a RI/FS work plan for the 200-WA-1 OU (200 West Inner Area) to EPA, 12/31/2011(Complete).** (RL- John Sands, CHPRC – Phil Burke)
 - The Draft A 200-WA-1 OU Work Plan was transmitted to EPA on December 27, 2011, meeting the milestone.
 - EPA's comments on the Draft A 200-WA-1 OU Work Plan were received on May 15, 2012.

Schedule Status: Potentially at risk. Currently on hold pending discussion between the agencies on Inner Area Cleanup Principles.

Regulatory Agency Comments: EPA does not agree that this document should be on hold and expects DOE to help finalize the document. EPA requests that DOE provide a draft of the principles at the next PMM (January 2014) to share with the agencies and include indication of where it will be incorporated into the work plan.

Inner Area: Central Plateau Burial Grounds

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**

Schedule Status: Potentially at risk. A draft TPA Change Package has been provided to Ecology to adjust the milestone due date.

Regulatory Agency Comments: Ecology has indicated they will disapprove this Change Package.

Inner Area: Central Plateau Deep Vadose Zone

200-DV-1 RI/FS 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 B Area perched water removal system continued operations, removing approximately 1,700 gallons of effluent water per week. As of the end of October 2013, 163,507 gallons of effluent have been removed since system startup.
 - The drilling of two additional perched water extraction wells is scheduled to begin in January 2014.
 - The draft EE/CA for perched water is out for regulatory review. Comments expected in early December.

Schedule Status: Preparation of the Draft A RI/FS work plan is on schedule to meet the TPA milestone.

Regulatory Agency Comments: N/A

200-BC-1/200-WA-1 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 FY13.

Schedule Status: Complete

Regulatory Agency Comments: EPA would like a copy of the report following DOE review.

BOTH INNER & OUTER AREAS

200-IS-1 Ecology Lead (RL- Doug Hildebrand, CHPRC – Phil Burke)

- **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.**
 - The Draft A 200-IS-1 OU Work Plan was transmitted to Ecology on November 14, 2011, meeting the milestone M-015-90.
 - Ecology comments on the Draft A 200-IS-1 OU Work Plan were received on April 2, 2012.

Schedule Status: Potentially at risk. A draft TPA Milestone Change Package has been provided to Ecology to adjust the milestone due date. A separate TPA Change Notice was provided to add wastes sites to Appendix C of the TPA under IS-1.

Regulatory Agency Comments: Ecology has indicated they will disapprove the TPA Milestone Change Package.

CENTRAL PLATEAU OUTER AREA

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**

Schedule Status: Potentially at risk.

Regulatory Agency Comments: N/A

200-SW-1 Ecology Lead (RL- Doug Hildebrand, CHPRC – Marty Doornbos)

- EA released for public review August 29, 2011. The last of the public comments were received on November 17, 2011.

Schedule Status: Potentially at risk.

Regulatory Agency Comments: N/A

TSD Units Ecology Lead (RL – John Sands, 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 (Complete)**

- 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 NOD responses extended to December 9, 2013 to enable coordination with Ecology guidance documents in support of the Hanford RCRA permit.

Schedule Status: On Schedule

Regulatory Agency Comments: Ecology disagrees with the last bullet above. It was Ecology's expectation that DOE would work directly with the project to work on the NOD responses.

TSD Units Ecology Lead (RL – Joe Axtell, CHPRC – Phil Burke)

• **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**

Schedule Status: Potentially at risk.

Regulatory Agency Comments: N/A

CENTRAL PLATEAU GROUNDWATER

200-ZP-1/200 West Area GW Treatment Facility EPA Lead (RL – John Morse, CHPRC – Mark Byrnes)

- During the month of October 2013, the pumping rates at the 200 West P&T ranged from approximately 830 gpm and 1,242 gpm. The two ion exchange resin trains were run between 0 gpm and 310 gpm combined capacity, removing technetium-99 from groundwater from selected wells near the TX-TY Tank Farm, T Tank Farm, as well as S-SX Tank Farm.
- Transfer lines to injection wells have been increased in size to remove flow restrictions. Gradually beginning to ramp up flow rates at this time. RAD wells were offline for a few weeks due to injection limitations. They are now back on line including the two wells which had rupture disk replacement.
- 167 kg of carbon tetrachloride and 2,966 kg of nitrate as N (or 13,110 kg nitrate as NO₃) were recovered during the month of October 2013.

- The average concentration of contaminants of concern in the effluent water remains at or below the cleanup levels specified in the record of decision.

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 the Spring of 2014, soil vapor concentrations in wells will be measured and a decision made whether or not to perform active SVE operations in FY2014.
- The operation plan has been updated to reflect recent agreements between EPA and RL.

Regulatory Agency Comments: N/A

200-UP-1 RD/RA WP *EPA Lead (RL – Naomi Jaschke, CHPRC – Curt Wittreich)*

- **M-016-126: Submit a Draft A Remedial Design/Remedial Action Work Plan for 200-UP-1 to EPA, 6/24/2013 (Complete)**
- The RD/RA Work Plan, Rev0, DOE/RL-2013-07 was approved September 24, 2013 and issued. Associated TPA change package (Control Form Number M-16-13-01) was approved September 26, 2013.

Schedule Status: Complete.

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 remedial design process for the U Plant area P&T and I-129 hydraulic containment system was initiated. A Draft A Remedial Design Report (RDR) is planned to be issued by 8/30/2014 for regulator review.

Schedule Status: On Schedule.

Regulatory Agency Comments: N/A

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

- **M-015-82A: Submit Treatability Test Plan as Amendment of 200-BP-5 WP, 12/31/2010 (Complete)**
- **M-015-82B: Initiate 200-BP-5 Aquifer Tests Within 6 months of TTP Approval, approval of TPP + 6 months (Complete)**
 - Treatability Test construction was completed, but due to FY 2012 funding constraints, performance of the test was delayed. The scope of the treatability test plan is being reevaluated.

Schedule Status: Funding for FY2014 is being evaluated.

Regulatory Agency Comments: N/A

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

- **M-015-21A, Submit a 200-BP-5 and 200-PO-1 OU FS Report and PP(s) to Ecology, 6/30/2015**
 - Work on the 200-BP-5 RI Report was reinitiated. The most current groundwater data set is being 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 OU FS.

Schedule Status: Preparation of the 200-BP-5 RI Report is funded in FY2014.

Regulatory Agency Comments: N/A

FUTURE SCOPE (out-year TPA milestones and projects)

2015:

200-EA-1 Ecology Lead (RL- Doug Hildebrand, CHPRC – Phil Burke)

- **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**

200-DV-1 Ecology Lead

- **M-015-110B: Submit CMS & FS and PP/PCAD for the 200-DV-1 OU to Ecology, 9/30/2015 (RL – John Morse, CHPRC – Mark Byrnes)**

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

- **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**

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

- **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**

Add UP-1 milestone

2016 and beyond:

200-EA-1 & 200-IS-1 Ecology Lead (RL- Doug Hildebrand, CHPRC – Phil Burke)

- **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**

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**
- **M-016-200B, Complete U Plant Canyon (221-U) barrier construction in accordance with the RD/RAWP, 9/30/2021**

TSD Units

- **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**
- **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**

GW Plumes EPA/Ecology Lead (RL – John Morse)

- **M-016-119-T01, Remedy in Place to Contain GW Plumes in 200 NPL Area, 12/31/2020**

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

- **M-085-01 - Submit a Change Package to Establish Date for Major Milestone M-085-00. 9/30/2022 (EXTENDED 4/25/2013 Change Control Form M-85-12-02)**