

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

DOE/RL  
(No hard copy distribution)

EPA  
Craig Cameron

B1-46

Ecology  
Nina Menard

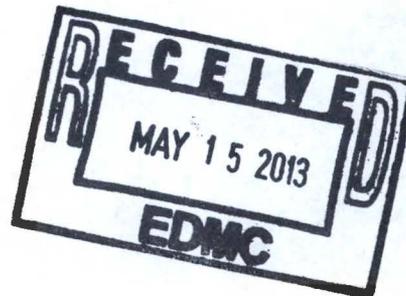
H0-57

CHPRC  
Lorna Dittmer (original)

H8-45

Administrative Record (2)  
Correspondence Control

H6-08  
A3-01



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

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APPROVAL:  DATE: 2/21/2013  
Briant Charboneau, 200 Area Unit Manager, DOE/RL

APPROVAL:  DATE: 2/21/2013  
Craig Cameron, 200 Area Project Manager, EPA

APPROVAL:  DATE: 2/21/13  
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 February 21, 2013 are attached.  
Minutes are comprised of the following:**

- |                     |   |
|---------------------|---|
| <b>Attachment 1</b> | <b>Attendance Record</b>                    |
| <b>Attachment 2</b> | <b>Agreements and Issues List</b>           |
| <b>Attachment 3</b> | <b>Action Item List</b>                     |
| <b>Attachment 4</b> | <b>Operable Units and Facilities Status</b> |

200 Area Project Managers' Status Meeting  
February 21, 2013

Please print clearly and use black ink

PRINTED NAME	ORGANIZATION	O.U. ROLE	TELEPHONE
Stacey Simon	ODOG		
KIM WELSCH	ECY		372-7882
Rod Cobos	EPA		376-3749
Carol Batty	DOH		943-5217
Craig Cameron	EPA		376-8665
Margann Stewart	CHPRC		3735818
Nina Menard	ECY		372-7941
Emerald Laija	EPA		376-4919
John Sands	DOE		372-2282
Reed Kaldor	MSA		372-1992
Keelan Abenth	DOE		376-1876
Michael Cline	DOE		376-6070
Lorna Dittmer	CHPRC		376-7017
Maria Skorska	Ecology		372-7981
ROB PIPPO	MSA		373-3285
Bob Long	DOE		6-7754
David Dooley	PRC		376-0805

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

**Agreement:** None

**Issue:** None

**Announcements:** None

**Delegations for February 21, 2013 PMM meeting:**

DOE/RL      Mike Cline for Briant Charboneau

Ecology      Kim Welch for Nina Menard

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

CHPRC-1300294  
Attachment 3

**OPEN ACTION ITEM TRACKING**

Action #	Action/Subject	Assigned To	Owed To	Assigned Date	Original Due Date	Adjusted Due Date	Status
137	PNNL's draft report summarizing the results from study to assess/refine the soil clean up level for carbon tetrachloride and methylene chloride needs to be added to the PW 1, 3, 6 Administrative Record File. Report is expected to be issued by end of March 2012 for review.	CHPRC contact	Administrative Record	2/16/12	6/1/12	9/30/2012	Open (closed??)
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			Open; dependant on TPA renegotiations.
139	EPA would like a courtesy review of the SVE treatability test report before the document becomes publicly available	DOE	EPA	6/21/12		10/31/2012	Open
141	Status on BC-1/WA-1 monitoring	RL/John Morse	EPA	11/15/12			Open

200 AREA PROJECT MANAGERS MEETING  
PROJECT STATUS UPDATES

February 21, 2013  
AGENDA

**CENTRAL PLATEAU INNER AREA**

200-WA-1

200-PW-1 SVE

**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 CMS & FS / PCAD & PP

**CENTRAL PLATEAU OUTER AREA**

200-SW-1

**CENTRAL PLATEAU GROUNDWATER**

200-ZP-1 Interim Action

200 West P&T

200-UP-1 RI/FS

S/SX Interim Action

200-BP-5 TTP

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

**FUTURE SCOPE (out-year TPA milestones and projects)**

200-DV-1 Uranium

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

B Plant Canyon/Waste Sites

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

TSD Units

200-DV-1

200-BC-1 and 200-WA-1

200-EA-1

200-BP-5 and 200-PO-1

PUREX Canyon/Waste Sites

224B Concentration Facility

200-EA-1 & 200-IS-1

REDOX Canyon/Waste Sites

U Plant Canyon

EE/CA Report(s)

224T Transuranic Storage and Assay Facility

GW Plumes

200 AREA PROJECT MANAGERS MEETING  
PROJECT STATUS UPDATES

February 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 – Marty Doornbos)
  - 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:** Comment incorporation is not funded for contractor support in FY13. EPA and RL respective leads are working on comment resolution for preparation of the Draft B Work Plan. EPA has provided red-line strikeout sections to DOE for review.

Regulatory Agency Comments: N/A

**200-PW-1 Soil Vapor Extraction System (SVE):** (RL-John Morse CHPRC –Mark Byrnes)

- With concurrence from EPA, active SVE operations ended October 4, 2012. SVE units have been winterized.
- In October 2012, EPA provided their concurrence that active SVE operations in FY13 will be reduced to four months (June 1, 2013 – September 30, 2013), thus providing a longer rebound period.
- The passive SVE system is continuing to operate. DOE is evaluating to propose shutting down the passive system due to the small recovery compared to active SVE operations.

**Schedule Status:** The active SVE units are currently scheduled to be restarted June 1, 2013 and run through September 30, 2013.

Regulatory Agency Comments: N/A

**Inner Area: Central Plateau Burial Grounds**

**200-SW-2 Ecology Lead**

- **M-015-93A: Submit Revised RFI/CMS & RI/FS work plan for the 200-SW-2 OU to Ecology, 12/31/2011 (Complete)** (RL – Doug Hildebrand, CHPRC – Marty Doornbos)
  - The Draft A 200-SW-2 OU Work Plan was transmitted to Ecology on November 7, 2011, meeting the milestone.
  - Ecology provided comments on the Draft A 200-SW-2 OU Work Plan on August 10, 2012.

**Schedule Status:** Comment incorporation is not funded for contractor support in FY13. Ecology and RL met in January 2013 on comment resolution and comments are being incorporated.

Regulatory Agency Comments: N/A

### **Inner Area: Central Plateau Deep Vadose Zone**

#### **200-DV-1 Ecology Lead (RL – John Morse, CHPRC – Marty Doornbos)**

- The B Area perched water removal system continued operations, removing approximately 2,000 gallons of effluent water per week. As of the end of January 2013, 94,561 gallons of effluent have been removed since system startup.
- The bid documents to decommission the leaky well (299-E33-18) are under CHPRC review. It's anticipated that this well will be decommissioned in April 2013.

**Schedule Status:** Planning to draft EE/CAs for BP-5 and DV-1 to transfer treatability test water to the 200W Pump & Treat Facility. Expected draft in Spring 2013.

**Regulatory Agency Comments:** N/A

#### **200-DV-1 Ecology Lead (RL – John Morse, CHPRC – Marty Doornbos)**

- **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**

**Schedule Status:** Comment incorporation is not funded for contractor support in FY13. Beginning in January 2013, Ecology and RL will be evaluating to determine if comments can be incorporated. If not, will be included in TPA Central Plateau renegotiations starting in Spring/Summer 2013.

**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.

**Schedule Status:** System is currently in post-test monitoring.

**Regulatory Agency Comments:** N/A

### **BOTH INNER & OUTER AREAS**

#### **200-IS-1 Ecology Lead (RL- Doug Hildebrand, CHPRC – Marty Doornbos)**

- **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:** Comment incorporation is not funded for contractor support in FY13. End of March 2013, Ecology and RL will be evaluating to determine if comments can be incorporated.

Regulatory Agency Comments: N/A

### **CENTRAL PLATEAU OUTER AREA**

**200-SW-1 Ecology Lead (RL- John Sands, CHPRC – Marty Doornbos)**

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

**Schedule Status:** All public and tribal comments received have been incorporated into a revised EA, a draft FONSI has been prepared and is near completion of internal review by both RL and Ecology.

Regulatory Agency Comments: N/A

**TSD Units Ecology Lead (RL – John Sands, CHPRC – Marty Doornbos)**

- **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**
  - o Ecology provided the draft closure plan for the 216-B-3 Main Pond System on December 10, 2012; and the draft closure plan for the 216-S-10 Pond and Ditch on December 18, 2012. After review of the draft closure plans, Ecology was notified that the M-037-03 milestone was at risk and a TPA change package was submitted. The change package has been rejected by Ecology and RL is working toward providing the two closure plans on the existing schedule.

**Schedule Status:** RL is working to provide the draft closure plans on schedule by April 30, 2013.

Regulatory Agency Comments: N/A

### **CENTRAL PLATEAU GROUNDWATER**

**Interim Action EPA Lead (RL – John Morse, CHPRC – Mark Byrnes)**

- Extraction wells 299-W11-45 and 299-W11-46 were removed from service in Spring of 2012. New S/SX extraction wells for Tc-99 replaced these wells.

**Schedule Status:** On schedule.

Regulatory Agency Comments: N/A

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

- During the month of January 2013, the 200 West P&T ran at a pumping rate ranging from 1,285 gpm to 1,590 gpm. A few times during this reporting period the plant shut down for a few hours to allow the cleaning of a strainer, flushing carbon from carbon separator tank, in-bed cleaning of FBR B, etc.
- During the month of January 2013, the two ion exchange resin trains were run between 451 gpm and 544 gpm combined capacity, removing Tc-99 from groundwater from selected wells near the TX-TY and T Tank Farms as well as from the vicinity of the S-SX Tank Farm.
- Due to changes being performed at the direction of the bio-reactor specialists which include changes in nutrient levels for biological growth, cleaning of the fluidized bed reactors, etc, the nitrate levels temporarily increased to just above the 10 mg/L cleanup level. Nitrate levels are expected to drop back down below the cleanup level once the fluidized bed reactors re-stabilize from these adjustments. For all other contaminants, the plant is successfully reducing the concentration of contaminants to well below cleanup levels specified in the record of decision. Plant tours continue to be run routinely.

**Schedule Status:** Operation efficiencies continue to improve pumping rates towards the goal of treating 1,900 gpm continuously. Four additional extraction wells and four additional injection wells are being drilled by December 2013.

Regulatory Agency Comments: N/A

**200-UP-1 RD/RA WP EPA Lead (RL – Naomi Bland, 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**
- The Record of Decision for Interim Remedial Action Hanford 200 Area Superfund Site 200-UP-1 Operable Unit was finalized and approved on September 27, 2012.
- The Decisional Draft RD/RA Work Plan was prepared and is currently under RL review.

**Schedule Status:** Work on the RD/RA work plan is on schedule. EPA has done a high level review of the Decisional Draft.

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 is delayed. The treatability test extraction system has been placed in a safe-store configuration.

**Schedule Status:** M-015-82A and M-015-82B are complete. The Treatability Test is awaiting funding.

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**
  - Transmitted the 200-PO-1 RI Report, Revision 1, to Ecology on October 16, 2012.

**Schedule Status:** Planning to draft EE/CAs for BP-5 and DV-1 to transfer treatability test water to the 200W Pump & Treat Facility. Expected draft in Spring 2013.

Regulatory Agency Comments: N/A

**FUTURE SCOPE (out-year TPA milestones and projects)**

**2014:**

**200-SW-2 Ecology Lead (RL- Doug Hildebrand, CHPRC-Marty Doornbos)**

- **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**

**B Plant Canyon/Waste Sites Ecology Lead (RL – Naomi Bland, CHPRC – Marty Doornbos)**

- **M-85-10A, Submit RI/FS work plan for the 200-CB-1OU (B Plant Canyon/associated past practice waste sites) to Ecology, 6/30/2014**

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

- **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**

**TSD Units**

- **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**

**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 – Marty Doornbos)**

**200-BC-1 and 200-WA-1 EPA Lead (RL- Kevin Leary, CHPRC – Marty Doornbos)**

- **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**

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

- **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-BP-5, PO-1 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**

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

- **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**

**PUREX Canyon/Waste Sites Ecology Lead** (RL – Naomi Bland, CHPRC – Marty Doornbos)

- **M-85-20A: Submit RI/FS Work Plan for 200-CP-1 OU (PUREX Canyon/associated past practice waste sites) to Ecology, 9/30/2015**

**224B Concentration Facility Ecology Lead** (RL- Kevin Leary, CHPRC – Marty Doornbos)

- **M-085-50: Submit revised removal action work plan for the 224B Concentration Facility in accordance with the Action Memorandum for the Non-Time Critical Removal Action for the 224-B Plutonium Concentration Facility (DOE/RL-2004-36). A change package with a completion milestone will accompany the submittal of the work plan. 12/31/2015**

**2016 and beyond:**

**200-EA-1 & 200-IS-1 Ecology Lead** (RL- Doug Hildebrand, CHPRC – Marty Doornbos)

- **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**

**REDOX Canyon/waste sites EPA Lead** (RL – Naomi Bland, CHPRC – Marty Doornbos)

- **M-85-30A, Submit RI/FS Work Plan for 200-CR-1 OU (REDOX Canyon/associate past practice waste sites) to EPA, 12/31/2017**

**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**

**EE/CA Report(s) EPA/Ecology Lead** (RL – Bobby Long, CHPRC, TBD)

- **M-85-60, Complete EE/CA report(s) for all Tier 2 facilities listed in Appendix J, 3/31/2018**

**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**

**224T Transuranic Storage and Assay Facility EPA Lead** (RL- Kevin Leary, CHPRC – Marty Doornbos)

- **M-085-51, Submit removal action work plan for the 224T Transuranic Storage and Assay Facility in accordance with the Action Memorandum for the Non-Time-Critical Removal Action for the 224-T Plutonium Concentration Facility (DOE/RL-2004-68). A change package with a completion milestone will accompany the submittal of the work plan. 12/31/2025**

**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**