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**DISTRIBUTION**  
**PROJECT MANAGERS' MEETING,**  
**200 AREA GROUNDWATER SOURCE OPERABLE UNITS**  
**August 16, 2012**

DOE/RL

(No hard copy distribution)

EPA

Craig Cameron

B1-46

Ecology

Nina Menard

H0-57

CHPRC

Lorna Dittmer (original)

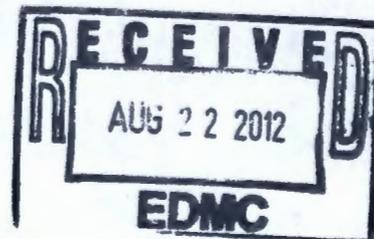
H8-45

Administrative Record (2)

H6-08

Correspondence Control

A3-01



Meeting Minutes Transmittal/Approval  
Project Managers' Meeting  
200 Area Groundwater and Source Operable Units  
August 16, 2012

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APPROVAL: John. More, Jr DATE: 8/16/2012  
Briant Charboneau, 200 Area Unit Manager, DOE/RL

APPROVAL: Craig Cameron DATE: 8/16/2012  
Craig Cameron, 200 Area Project Manager, EPA

APPROVAL: Nina M. Menard DATE: 8/16/2012  
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 August 16, 2012 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  
August 16, 2012**

**Agreement:** None

**Issue:** None

**Announcements:** None

**Delegations for August 16, 2012 PMM meeting:**

DOE/RL      John Morse for Briant Charboneau

200 Area Project Managers' Meeting  
August 16, 2012

CHPRC-1202650  
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		Open
138	Meeting between Ecology, EPA and DOE to discuss Central Plateau risk assessment strategy and how they will relate to 200-IS-1	DOE	EPA, Ecology	6/21/12			Open
139	EPA would like a courtesy review of the SVE treatability test report before the document becomes publicly available	DOE	EPA	6/21/12			Open

200 AREA PROJECT MANAGERS MEETING  
PROJECT STATUS UPDATES

August 16, 2012  
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-1CMS & FS / CAD & 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

200BP-5, 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

August 16, 2012

**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- Kevin Leary, CHPRC – Marty Doornbos)
  - The Draft A 200-WA-1 OU Work Plan was transmitted to EPA on December 27, 2011, meeting the milestone.
  - High level comments were provided by EPA on May 15, 2012.

**Schedule Status:** Comment incorporation is not funded in FY12.

Regulatory Agency Comments: N/A

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

- The SVE units by Z-9 (#1) and Z-1A (#2) were re-started April 2, 2012. The SVE unit by Z-1A (#2) is currently running smoothly. The SVE unit by Z-9 (#1) was turned off on Thursday (afternoon) July 26, 2012 due to a failed air conditioner. The temperature in the control room exceeded the maximum operating temperature which required the system to be turned off. Backup air conditioners have been ordered. SVE unit by Z-9 (#1) should be back on line by August 8, 2012. The SVE units are continuing to recover larger volumes of carbon tetrachloride than during the same time period in FY 2010 or FY 2011 operations (while using lower flow rates).
- The passive SVE system is continuing to operate.
- PNNL's treatability test report summarizing the results from a study to assess/refine the soil clean up level for carbon tetrachloride and methylene chloride is currently being reviewed by EPA prior to being finalized. Once the report is issued final, it will be added to the PW 1, 3, 6 Administrative Record.
- Evaluation of FY 2013 operations is ongoing.

**Schedule Status:** The active SVE units will continue operation through October 31, 2012 when they will be shutdown for the winter.

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 requested an additional three month review extension on May 9, 2012.
- Ecology provided comments on the Draft A 200-SW-2 OU Work Plan on August 10, 2012.

**Schedule Status:** Draft A work plan under review by Ecology.

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 continues to operate at a rate of approximately 2,000 gallons per week. Through the end of July, about 50,000 gallons of effluent have been removed from the perched water zone this fiscal year.

Regulatory Agency Comments: Ecology comment: Ecology requests a meeting with DOE to discuss project status.

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

- **M-015-110C: Submit uranium treatment technology field test plan as an element of the RFI and RI for the 200-DV-1 OU to Ecology, 12/31/2010 (Complete)**
  - **Schedule Status:** The sequestration test has been deferred based on funding prioritization.

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 Desiccation Pilot Test was completed on June 30, 2011.

**Schedule Status:** The Desiccation Test Report (DOE/RL-2012-45, Rev. 0) was transmitted to EPA and Ecology on June 20, 2012.

Regulatory Agency Comments: N/A

## **BOTH INNER & OUTER AREAS**

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

- **M-015-90: Submit Revised RFI/CMS & RI/FS work plan for 200-IS-1 to Ecology, 12/31/2011 (Complete).**
  - The Draft A 200-IS-1 OU Work Plan was transmitted to Ecology on November 14, 2011, meeting the milestone.
  - 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 in FY 2012.

**Regulatory Agency Comments:** Ecology comment: Ecology is finalizing the review of the TPA Change Notice that adds ancilliary equipment to Appendix C.

## **CENTRAL PLATEAU OUTER AREA**

**200-SW-1 Ecology Lead (RL- Kevin Leary, 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:** Responding to public comments and revising the EA is not funded in FY12.

**Regulatory Agency Comments:** N/A

## **CENTRAL PLATEAU GROUNDWATER**

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

- The layup of the 200-ZP-1 interim P&T system is complete.
  - The above ground lines have all been triple rinsed, drained and blown out. Therefore, the daily inspections of these lines are no longer being performed.
- The CY 2011 and CY 2012 Annual Performance Reports have been issued.

**Schedule Status:** On schedule.

**Regulatory Agency Comments:** N/A

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

- **M-016-122, Begin Phase 1 Operation of 200W P&T System, 12/31/2011 (Complete)**
- Completed all Acceptance Test Procedures (ATPs) (23 of 23 complete) as of June 22, 2012. The Integrated Acceptance Test Procedure (IATP) field checks started on April 30, 2012 and was completed on June 25, 2012.
- The 200 West P&T system was turned over to Operations on June 28, 2012.
- On Thursday July 12, 2012 the 200 West P&T system began treating groundwater for the first time. Since that date the 200 West P&T system successfully treated groundwater during a good portion of six separate days (July 12, 13, 20, 25, 26, and 30, 2012).
- When not treating groundwater, the 200 West P&T system is often being run in re-cycle mode to allow bacterial colonies to continue to grow while making minor repairs and adjustments to the plant.
- There has been a problem with a plastic material clogging filters, strainers, influent pumps, etc. The Bio sump strainer was also clogging with carbon.
- Other minor problems encountered include leaking valves, problems with high alarm shut-off for Tank 2 of ITB-2, leak in HDPE line, etc.
- The plant was shut down completely on July 21, 2012 to replace a faulty breaker. Power was restored to the facility on July 24, 2012.
- Extended work hours will be required until the plant is running smoothly.
- Preliminary results from initial operational sampling suggest the plant is operating per design.
- Plant tours continue to be run routinely.

**Schedule Status:** Turnover to operations was successful on June 28, 2012.

Regulatory Agency Comments: N/A

**200-UP-1 RI/FS EPA Lead (RL – Naomi Bland, CHPRC – Curt Wittreich)**

- **M-015-17A: Submit a 200-UP-1 RI and FS Report and PP to EPA, 9/30/2010 (Complete)**
  - The Rev.0 Remedial Investigation/Feasibility Study (RI/FS) report and Proposed Plan were finalized and issued. The Interim ROD is under preparation by EPA. The public review period started on July 17, 2012.

**Schedule Status:** M-015-17A complete

Regulatory Agency Comments: N/A

**S/SX Tank Farm Interim Action EPA/Ecology Lead (RL – Naomi Bland, CHPRC – Curt Wittreich)**

- **M-016-120: GW Treatment System for Tc-99 Plume at S/SX Tank Farm utilizing the new 200 West Pump and Treatment Facility, 8/31/2012**
  - Startup of the S/SX extraction system occurred on August 13, 2012. EPA concurred that TPA milestone M-16-120 will be met by initiating groundwater flow through the S/SX extraction system to the 200 West Treatment Facility.

**Schedule Status:** Pumping and treatment of the S/SX groundwater was initiated on August 13, 2012, meeting milestone M-016-120.

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 complete.

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**
  - Ecology completed their review of the final redline for the Draft Rev. 0 200-PO-1 RI Report. The document is in the process of being released.

**Schedule Status:** On schedule.

Regulatory Agency Comments: N/A

**FUTURE SCOPE (out-year TPA milestones and projects)****2013:**

**TSD Units Ecology Lead** (RL – Greg Sinton, 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**

**2014:**

**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.**

**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-015-110A: 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 (RL – John Morse, CHPRC – Marty Doornbos)**
- **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)

- Approved Change Order M-16-11-20 established TPA Interim Milestone to provide RD/RA Work Plan for 200-CW-5 and 200-PW-1/3/6 to EPA

**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**