

DISTRIBUTION
PROJECT MANAGERS' MEETING,
200 AREA GROUNDWATER SOURCE OPERABLE UNITS
June 21, 2012

DOE/RL

(No hard copy distribution)

EPA

Craig Cameron

B1-46

Ecology

Nina Menard

H0-57

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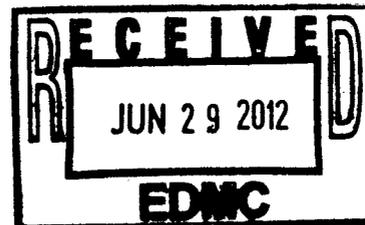
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Administrative Record (2)

H6-08

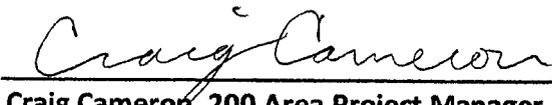
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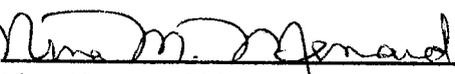
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Meeting Minutes Transmittal/Approval
Project Managers' Meeting
200 Area Groundwater and Source Operable Units
June 21, 2012

APPROVAL:  DATE: 6/21/12
Briant Charboneau, 200 Area Unit Manager, DOE/RL

APPROVAL:  DATE: 6/21/12
Craig Cameron, 200 Area Project Manager, EPA

APPROVAL:  DATE: 6/21/12
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 June 21, 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
June 21, 2012**

Agreement: None

Issue: None

Announcements: None

Delegations for June 21, 2012 PMM meeting:

None

200 Area Project Managers' Meeting
June 21, 2012

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

June 21, 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

June 21, 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)

- Active SVE units (216-Z-9 and 216-Z-1A) were restarted on April 2, 2012 and are running smoothly. CCl₄ mass is currently being recovered at a slightly faster rate than the same reporting period in FY10 or FY11.
- The passive SVE system is continuing to operate. Routinely testing GAC canisters for breakthrough and replacing canisters when needed.
- 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 complete. Comments on the Draft A report were provided to CHPRC on May 30, 2012. Once the report is issued final, it will be added to the PW 1, 3, 6 Administrative Record.

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

Regulatory Agency Comments: EPA comment: EPA would like a courtesy review of the treatability test report before the document becomes publicly available.

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.
- DOE-RL granted Ecology the requested three month review extension – comments are due August 11, 2012.

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

Regulatory Agency Comments: Ecology requests that Robin Varljen be included on meeting notices for this project.

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 following installation of an algae treatment system using CuSO_4 injection. To date, 33,475 gallons of effluent have been removed from the perched water zone.
- Characterization of the BY Cribs has been deferred due to funding.

Regulatory Agency Comments: N/A

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.

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**
 - The Desiccation Pilot Test was completed on June 30, 2011.
 - RL, with agreement from EPA and Ecology, has requested that the Desiccation Pilot Test Report be issued as Rev 0 instead of Draft A. The document is now in technical editing making those changes.

Schedule Status: Report was transmitted to RL on June 13, 2012. Provided to the regulators 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.
 - Working on Change Notice to update TPA Appendix C

Schedule Status: Comment incorporation is not funded in FY 2012.

Regulatory Agency Comments: N/A

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.

Regulatory Agency Comments: N/A

CENTRAL PLATEAU GROUNDWATER

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

- The 200-ZP-1 interim P&T system was permanently shut down May 2, 2012 as it is being replaced by the new 200 West P&T system. Layup activities are underway and are expected to be complete by mid-July 2012.
- 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.
- Completed review comments of the draft FY 2011 Annual Performance Report on May 24, 2012. This report is currently being finalized.

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 Pump and Treat System, 12/31/2011 (Complete)**
 - Current status of the completion of all Acceptance Test Procedures is 99% with 22 of 23 complete as of May 30, 2012; the final ATP (110-01, ION Exchange Solids) re-testing was initiated June 6, 2012 with a scheduled completion of June 15, 2012.
 - Current status of the completion of the Integrated Acceptance Test Procedure is 79% as of June 6, 2012; the remaining completion is based on the RE team witness of the polymer optimization of centrifuge (dewatering) and odor control.
 - Completed modeling that selected the optimum number of existing wells to be included in the final water level monitoring network. Water level monitoring instrumentation is now being installed.

Schedule Status: On Schedule; handover to Operations 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 Draft Rev.0 Remedial Investigation/Feasibility Study (RI/FS) report and Proposed Plan was completed for a concurrent DOE and EPA review in early May. Comment resolution meetings were held with DOE and EPA on May 30 and 31, 2012. Redlines of the documents are being prepared to show comment incorporations. Discussion continues on whether the Proposed Plan will be presented as an interim or final remedy.

Schedule Status: On Schedule

Regulatory Agency Comments: EPA comment: RI/FS is anticipated to be in the Administrative Record by June 29, 2012.

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 SSX extraction system is planned for early August. EPA concurred that TPA milestone M-16-120 will be met by initiating groundwater flow through the SSX extraction system to the 200 West Treatment Facility.

Schedule Status: Expect to initiate groundwater extraction in mid-July. The project is ahead of 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 TTP + 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, with many comments to be addressed in the FS. The document is ready for release pending RL approval.

Schedule Status: On schedule.

Regulatory Agency Comments: Ecology comment: Ecology is sending a letter to RL next week that summarizes the comment resolutions of the RI.

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, 4/30/2013**

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-10U (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**