

**DISTRIBUTION
PROJECT MANAGERS' MEETING,
200 AREA GROUNDWATER SOURCE OPERABLE UNITS
April 19, 2012**

DOE/RL

(No hard copy distribution)

EPA

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B1-46

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Meeting Minutes Transmittal/Approval
Project Managers' Meeting
200 Area Groundwater and Source Operable Units
April 19, 2012

APPROVAL: *John M. Marz* DATE: 4/19/2012
Briant Charboneau, 200 Area Unit Manager, DOE/RL

APPROVAL: *Craig Cameron* DATE: 4/19/2012
Craig Cameron, 200 Area Project Manager, EPA

APPROVAL: *Nina M. Menard* DATE: 4/19/2012
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 April 19, 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
April 19, 2012**

Agreement: None

Issue: None

Announcements: None

Delegations for April 19, 2012 PMM meeting:

DOE/RL John Morse for Briant Charboneau

200 Area Project Managers' Meeting
April 19, 2012

CHPRC-1201277
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 | TBD | | Open |

200 AREA PROJECT MANAGERS MEETING
PROJECT STATUS UPDATES

April 19, 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-DV-1 Uranium
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-OA-1, 200-CW-1, and 200-CW-3 FS/PP
200-SW-1

Risk Assessment

Central Plateau Ecological Risk

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-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

April 19, 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.

Schedule Status: Draft A work plan is under review by EPA.

Regulatory Agency Comments: No Comment

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

- Active soil vapor extraction units (216-Z-9 and 216-Z-1A) were restarted on April 2, 2012.
- The passive SVE system is continuing to operate. Routinely testing GAC canisters for breakthrough and replacing canisters when needed.
- PNNL's Draft A treatability test report summarizing the results from a study to assess/refine the soil clean up level for carbon tetrachloride and methylene chloride is expected to be issued by April 30, 2012 for review. Completion of this report has been delayed due to additional time needed to conduct and verify results for the numerical modeling used to estimate the impact of the vadose zone source on groundwater. Once report is issued, it will be added to the PW 1, 3, 6 Administrative Record.

Schedule Status: The active SVE units were restarted April 2, 2012.

Regulatory Agency Comments: No Comment

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.

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

Regulatory Agency Comments: No Comment

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 is expected to be operational in early April following submersible pump replacement.
- Characterization of the BY Cribs is scheduled to begin in late April/early May in accordance with the 200-DV-1 OU SAP.

Regulatory Agency Comments: No Comment

200-BC-1/200-WA-1 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.
 - The draft Test Report has undergone CHPRC review and is in the process of comment incorporation prior to transmittal for RL review.

Schedule Status: Report will be delivered the week of June 11, 2012. On track to meet the June 30, 2012 deliverable.

Regulatory Agency Comments: No Comment

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: No Comment

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: No Comment

CENTRAL PLATEAU GROUNDWATER

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

- The interim P&T system is currently operating at 309 gpm.
- Currently scheduled to shutdown the 200-ZP-1 interim P&T system mid- to late-April. Layup activities have already started on discharge lines and interim extraction wells that are currently off line due to low production rates.
- FY 2011 annual performance report has undergone internal CHPRC review and will soon be issued for RL review.

Schedule Status: On schedule.

Regulatory Agency Comments: No Comment

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)**
 - Forward feed from FBR-B to MBRs C/D was initiated on March 29, 2012 in automatic mode. Additional testing of injection well leak detection was reinitiated on March 29, 2012. Support staff to continue extended run.
 - Outage for Air Gap skid repairs was completed on March 30, 2012.
 - Completed Rad Building hand and foot monitor calibration.
 - Lime System CAT continues and ATP is on track to complete April 16, 2012.
 - Response to GBC construction submittal comments have been uploaded for GBC final approval. Points adequate to obtain LEED's Gold Certification.
 - Readiness Review on track to start April 17, 2012. IATP start is dependent on final MBR commissioning and biomass solids generation, but is also targeted to start on April 17, 2012.
 - In process of hooking up ZP-1 interim injection wells to 200 West P&T system.
 - Modeling is currently being performed to select the optimum location for water level monitoring network.

Schedule Status: On Schedule; handover to Operations June 28, 2012.

Regulatory Agency Comments: No Comment

200-UP-1 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)**
 - EPA comment resolutions are currently in the process of being incorporated into the final Draft RI/FS. Revision of the proposed plan is underway.

Schedule Status: On Schedule

Regulatory Agency Comments: EPA Comment: Three weeks is not sufficient to take a Proposed Plan from draft to final. Project should plan for minimum of 6-8 weeks.

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**
 - Construction and ATP of the WMA S-SX extraction system was completed, except for final pipelines connects to the 200 West Treatment Facility and the well racks, which are scheduled to be made by April 2012. Walkdowns with operations were completed as part of the turn-over process. Punchlist items identified during system walkdowns are being worked.
 - 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 July. The project is ahead of schedule.

Regulatory Agency Comments: No Comment

200-BP-5 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)**
 - Construction activities for the treatability test are nearing completion. All seven crossings are complete and all above-ground pipeline has been placed (~8500 ft total). Well completion activities are complete. Mechanical and electrical well racks installations and the ETF pipeline tie-in were completed.

Schedule Status: M-015-82A and M-015-82B complete. Construction is expected to be complete by April 2012, at which time, testing is planned to start.

Regulatory Agency Comments: No Comment

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**
 - Ecology completed their review of the final redline for the Draft Rev. 0 200-PO-1 RI Report without additional comments. The document is being finalized for release.

Schedule Status: On schedule.

Regulatory Agency Comments: No Comment

FUTURE SCOPE (out-year TPA milestones and projects)**2013:****200-DV-1 Ecology Lead**

- **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) (RL – John Morse, CHPRC – Glen Chronister)**
 - **Schedule Status:** The sequestration test has been deferred until FY 2013 based on funding prioritization.

TSD Units

- **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-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 – Dottie Norman)

- **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, Dottie Norman)

- **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**