

Meeting Minutes Transmittal/Approval
Project Managers' Meeting
200 Area Groundwater and Source Operable Units
September 17, 2009

APPROVAL: *Al Farabee* DATE: 09/17/09
Al Farabee, 200 Area Project Manager, DOE/RL

APPROVAL: *Briant Charboneau* DATE: 09/17/09
Briant Charboneau, 200 Area Unit Manager, DOE/RL

APPROVAL: *Craig Cameron* DATE: 9/17/09
~~Dennis Faulk~~, 200 Area Project Manager, EPA
Craig Cameron

APPROVAL: *Les Fort* DATE: 9/17/09
Les Fort, 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.

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**Minutes of the 200 Area Project Managers' Meeting of September 17, 2009 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' Status Meeting
September 17, 2009

Please print clearly and use black ink

PRINTED NAME	ORGANIZATION	O.U. ROLE	TELEPHONE
Janice Williams	CHPRC	Facilitator	312-3553
Laura Buelow	EPA	MGT 2 TW-1/PW-5	376-5466
Red Lobos	EPA		376-3749
Shelley Ciment	ODOE		963-0853
Al Danielson	WDO#		727-0645
JACK COLMARD	WDO#		946-0790
Doug Chapin	DOE-RL-0040	-RL-040 Facilitator	373-9396
AL Farabee	" " "	FPD	376-8089
LES FORT	ELY		372-7984
Arlene Torboso	DOE-RL	200 Area	373-9631
Brian Carbonara	DOE-RL	PM	373-6137
Craig Cameron	EPA	UM	376-8665
Curt Klauke	CHPRC	ZOO AREA	373-2218
T.M. Crane	CHPRC	200 Area	376-9789
Z. JACKSON	Ecology	200 Area	372-7910
RD Hill/Lebrack	DOE-RL	BP-5 PO-1	373-9626
Emy Laija	EPA	2P-1 PW 1,3,6	376-4919
Deborah Snylton	Ecology	200-SW-1/2	372-7923
Asopuru Okengbo	Ecology	200-SW-1	372-7956
John Pickover	Ecology	PO 1	372-7931

**200 Area Project Managers' Meeting
Agreements and Issues List
September 17, 2009**

Agreement: For FY09 there were no updates or changes to the Institutional Controls for the 200 area, therefore, no additional actions are required for an annual review.

Agreement: None identified.

Issue: None identified.

Delegations for September 17, 2009 PMM meeting:

EPA	Craig Cameron
Ecology	Les Fort
DOE/RL	Arlene Tortoso Al Farabee

200 AREA PROJECT SEPTEMBER STATUS UPDATES

September 17, 2009

Central Plateau Geographic Remediation

Key Facility Negotiations (RL: Al Farabee) -- (Tina Crane)

- The agreement in principle for negotiation of Central Plateau Facility disposition activities was signed by Tri-Parties August 13, 2008. Technical discussions began October 30, 2008. The Tri Parties agreed to extend the completion date to September 30, 2009.

Schedule Status: See discussion above regarding extension of completion date.

Regulator Comments

CP MIS Utilization (RL: Briant Charboneau/Frank Roddy) – (Dave Chojnacki)

- Ecological survey has been completed. The excavation, Fire and RWP permits have been completed. The RWP will be issued when we are ready to start the excavation. GPR surveys have been completed in support of the excavation permit. Road upgrades will start on September 8th and the projected completion date is the 14th of September. Radiological pre-job surveys will take place prior to road work.

Schedule Status: On schedule.

Regulator Comments

U-Zone Remediation

221-U Disposition (RL: Wade Woolery) – (Tina Crane)

- Samples of the crust layer, liquid and core from the D-10 Tank in 221-U Cell 30 have been analyzed. Initial data report briefing expected to be provided to RL the week of September 14.

Schedule Status: Canyon work activities on schedule.

Regulator Comments

U-Ancillary Facilities (RL: Wade Woolery) – (Tina Crane)

- D&D operations are ongoing. Demolition preparation, such as application of fixative, and asbestos removal activities continue in 224-U/UA and 203-UX.

Schedule Status: U Plant Ancillary Facilities work activities on schedule.

Regulator Comments

200-UW-1

- 200-UW-1 is part of the U-Zone remediation but is reported on later in this presentation.

200 North Remediation

212-N, P, R (RL: Wade Woolery) – (Tina Crane)

- Superstructure demolition of 212-N, -P and -R is complete. Basin demolition at all three structures is ongoing.

Schedule Status: 212-N, P, R Demolition project on schedule.

Regulator Comments

200-CW-3 Waste Sites (RL: Wade Woolery) – (Tina Crane)

- Waste site sampling is complete. RL has received the draft sampling reports. Site contouring and backfilling activities are ongoing with project administrative completion expected in January 2010.

Schedule Status: On schedule.

Regulator Comments

Rail Car Disposition Options Study (RL: Frank Roddy) – (Tina Crane)

- Two options identified in the study are currently being investigated
 - Potential re-use of some or all of the cars.

- Utilization of the ERDF ROD Amendment and the necessary documentation needed for the disposition purposes.
- Initial investigation of each rail car has begun to identify characterization activities needed to comply with disposition activities.

Schedule Status: TBD.

Regulator Comments

200-BC Control Area (BCCA) Ecology Lead (RL: Doug Chapin) – (Curt Walker/Ron Brunke)

- Fiscal Year 2008 Interim Removal Action Report for the BC Controlled Area was published in August 2009.
- TPA Change Notice 283 (BCCA RAWP) was approved on August 26, 2009 and entered into the TPA AR on August 27, 2009. Ecology comments received on August 26, 2009 were incorporated into TPA Change Notice 285 (BCCA SAP Appendix) and provided to Ecology on September 9, 2009, for review and approval. Comments on this CN are expected from Ecology by September 17, 2009.
- Preparations continue to restart contaminated soil removal activities in the BCCA Northern Part, Zone A, the week of September 27, 2009.

Schedule Status: On Schedule.

Regulator Comments

Central Plateau Groundwater and Source Operable Units

**200-UP-1 Ecology Lead (RL: Arlene Tortoso) – (Curtis Wittreich)
(M-15-17A, 9/30/10, Combined Remedial Investigation/Feasibility Study Report, and
Proposed Plan)**

- Combined RI/FS Report:
 - Preparation of the RI/FS report continues. A briefing meeting with decision makers was held on August 27, 2009 to review the fate and transport modeling approach.
- Remedial Design/Remedial Action Work Plan (RD/RAWP):
 - The draft Revision 3 to the 200-UP-1 OU Interim RD/RAWP was transmitted to the regulators for review on August 14, 2009. Regulator comments were requested by September 24, 2009. The RD/RAWD was revised to implement the approved Explanation of Significant Difference (ESD), and to include a preliminary design for a pump and treat system for the Tc-99 plumes at WMA S-SX consistent with proposed milestone M-016-120.
- Pump and Treat
 - 200-UP-1 interim action pump-and-treat system in the vicinity of U Plant is in operation with two extraction wells.

Schedule Status: The Draft A combined Remedial Investigation/Feasibility Study Report is scheduled to be completed by June 2010.

Regulator Comments:

**200-ZP-1 EPA Lead (RL: Arlene Tortoso) – (Mark Byrnes)
(M-16, -124, 8/31/10, Submit 200 ZP-1 Remedial Design Report)**

Remediation Treatment Status:

- 10 of the 14 groundwater extraction wells are on line pumping water at a rate of approximately 220 gpm. Four other extraction wells are temporarily offline due to minor problems related to water level transducers and/or pump.
- Extraction wells W11-45 and W11-46 are both on line pumping water to ETF at a rate of approximately 45 gpm.
- The 60% design review is now complete. Comments are currently being incorporated.
- Engineering design is near complete for connecting extraction well 299-W15-225 (EW-1) to the ZP-1 treatment building. Engineering is developing a design to upgrade the ZP-1 process heater/chiller unit.
- Drilling of new extraction wells EW-4 (C7024), EW-5 (C7027), and EW-19 (C7029) has started. The EW-4 (C7024), EW-5 (C7027), and EW-19 (C7029) wells are currently at a depth of 475 ft, 470.4 ft, and 380.1 ft bgs respectively. Some problems have been encountered in well EW-19 (C7029) with the binding of downhole casing.
- Resin testing is ongoing at the Corvallis laboratory to determine the amount of carbon tetrachloride that the Purolite A530E and SIR 1200 resins will uptake.
- Currently merging the CERCLA Monitoring Plan with the Performance Monitoring Plan. The next meeting with RL, EPA, and Ecology is scheduled for September 10.
- ARRA: Continuing to preparing sample authorization forms and other sampling paperwork in support of ARRA drilling. Groundwater sampling and analytical testing from ARRA wells has also begun.

Schedule Status: On schedule.

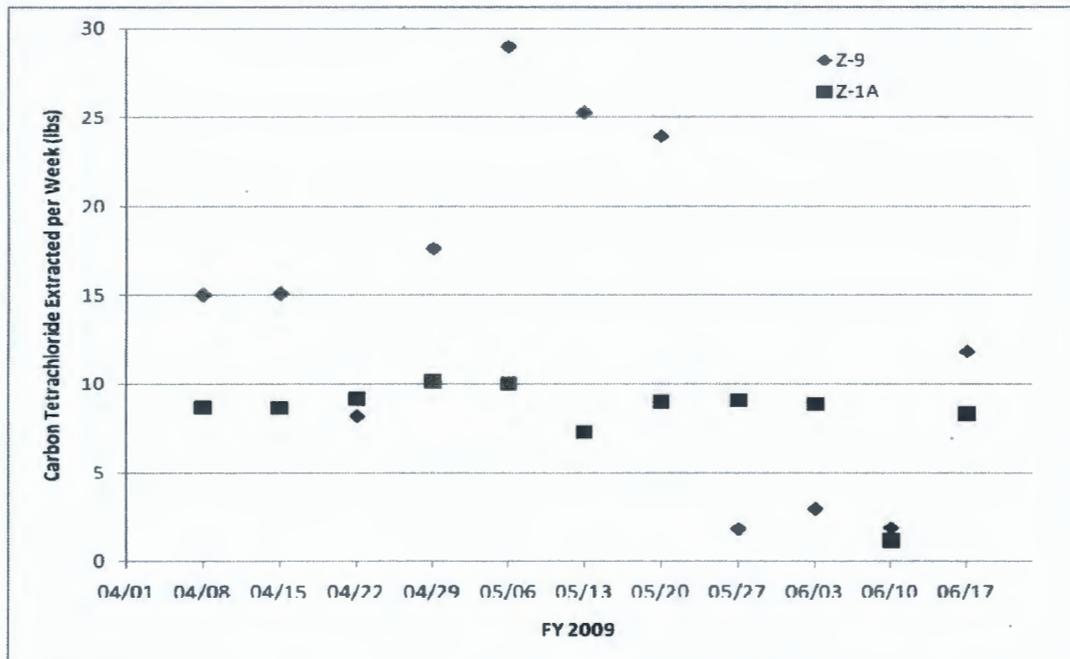
Regulator Comments

200-PW-1, 200-PW-3, & 200-PW-6 EPA Lead (RL: Arlene Tortoso) – (Tony Knepp, Mark Byrnes, Virginia Rohay PW-1 SVE)

DOE and EPA have agreed on a path forward to issue the combined Propose Plan with the CW-5 Operable Unit. The CW -5 and PW 1/3/6 Feasibility Studies will be updated to increase comparability between the two reports and better support public meetings. The combined Proposed Plan is under development.

Soil Vapor Extraction System (SVE):

- Monthly monitoring results for August 2009 for the soil vapor probes and wells were consistent with the results from previous monitoring.
- The two new SVE units are operating smoothly at the 216-Z-1A and 216-Z-9 sites.
- During August 2009, the average flow rate during operation of the SVE systems at 216-Z-9 and 216-Z-1A were 169 and 209 cubic feet per minute, respectively.
- During the first eleven weeks of operation (April 1 through June 17), the two SVE systems extracted approximately 110 kg (243 pounds) of carbon tetrachloride. Of that total, approximately 69 kg (152 pounds) of carbon tetrachloride were removed from the 216-Z-9 site and 41 kg (91 pounds) were removed from the 216-Z-1A site. (Note: These initial estimates are preliminary.)



- The monitoring plan for October 2009 through March 2010 will be provided to the RL and EPA Project Managers for review and approval. The signed plan will be attached to the Project Managers' Meeting minutes for transmittal to the Administrative Record.

Schedule Status: No Status.

Regulator Comments

Deep Vadose Treatability Test M-15-53 (RL: John Morse) – (Glen Chronister)

(M-15-54, 1/31/2010, Submit report on Reactive Gas testing for sequestration of Uranium that will support remedial action decision making)

- Characterization Testing:
 - Characterization Testing was completed on July 28, 2009, and the associated data derived from this test will be used to write the test report and facilitate design the full scale Pilot Test. A draft report is anticipated to be complete by the end of September.
- Desiccation Lab Testing (PNNL):
 - Laboratory experiments supporting pilot test design are complete. Tests focused on tracer gas use, evaluation of desiccation in heterogeneous media, and incorporation of results into flow and transport modeling. The associated report is being written and is on schedule to be completed by the end of September.
- Uranium Sequestration Testing (PNNL):
 - PNNL has completed dosing and mobility extraction testing on all the test columns. PNNL is drafting the associated test report and should be ready for review by the end of September. This report supports a TPA milestone due on January 31, 2010.
- Surface Barrier Study (PNNL):
 - PNNL has completed their analysis (a comprehensive review of documents that have already been generated and will emphasize gap analysis and recommendations) and are drafting a report documenting their study. This report is scheduled to be complete by September of 2009.

Schedule Status: On schedule to meet TPA milestone.

Regulator Comments

EPA requests to corrdiante with USGS for the design of the Desiccation Test.

200-CS-1 Ecology Lead (RL: Greg Sinton) – (Ron Brunke)

Discussions are on-going concerning incorporation of most of the CS-1 waste sites into an outer area ROD (all except 216-B-63 and 216-A-29).

Schedule Status: No near term milestone. On schedule for M-16-00; near term schedule being developed.

Regulator Comments

200-CW-5 EPA Lead (RL: Greg Sinton) – (Marty Doornbos)

DOE and EPA have agreed on a path forward to issue the combined Propose Plan with the PW-1/3/6 Operable Unit. The CW -5 and PW 1/3/6 Feasibility Studies will be updated to increase comparability between the two reports and better support public meetings

Schedule Status: A revised schedule is under development to support the production of a revised Feasibility Study for CW-5 and a combined Proposed Plan (combined with 200-PW 1/3/6)

Regulator Comments

**200-CW-1 Ecology Lead (RL: Greg Sinton) – (Ron Brunke)
(M-015-38B, 11/30/2010, Feasibility Study/Proposed Plan)**

- Discussions are on-going about including most of the CW-1 sites in a new “Outer Area” ROD (all but 216-T-4B and 216-U-10).
- Remaining CW-1 supplemental characterization sampling is now anticipated to be accomplished in 2010.

Schedule Status: The M-15-08-07 TPA change package was signed August 11, 2009 and maintains the M-15-38B FS/PP due date of November 30, 2010. The change package issued for public comment had a proposed due date of September 30, 2011, but this was revised to the original date (November 30, 2010), with a scope change to limit the scope to the outer area waste sites.

Regulator Comments

**200-BC-1 EPA Lead (RL: Greg Sinton) - (Mike Hickey)
(M-15-51, 4/30/10, Feasibility Study/Proposed Plan)**

- Draft A of the TTR was transmitted to EPA August 31, 2009.
- The electrical resistivity correlation study for BC cribs and trenches was transmitted to Ecology and EPA on August 31, 2009.

Schedule Status: On schedule.

Regulator Comments

200-SC-1 EPA Lead (RL: Greg Sinton) – (Mike Hickey)
(M-15-40E, 12/31/10, Feasibility Study/ Proposed Plan for 200-SC-1)

- The project safe store report was finalized and this project is in safe store.

Schedule Status: The project activities funded for this OU in FY09 are related to completing FY08 field activities and consolidating project information and actions to date. A change package that addresses the 200 SC-1 schedule is planned to be prepared by December 31, 2009, as specified in the M-15-40E interim milestone.

Regulator Comments

200-UW-1 Ecology Lead (RL: Kevin Leary) – (Tony Knepp)

- Responses to review comment on 200-UW-1 OU remedial action goals (RAGs) documents have been distributed to EPA and Ecology. A meeting is scheduled to review responses in late September. Work has been initiated to complete DQOs and SAPs to support future field characterization work

Schedule Status: Current plans include preparation of revised proposed plan for 200-UW-1 OU to be delivered in FY10. Schedule information will be shared as it is developed in subsequent PMMs.

Regulator Comments

200-IS-1 (RL: Kevin Leary) – (Greg Berlin)
(M-13-27, 6/30/07, RI/FS Work Plan)

- 241-CX Tank System Closure Plan, Rev 0 was transmitted to the Ecology December 22, 2008.
- On June 9, 2009 DOE and Ecology agreed on final changes to the CX Tank System Closure Plan; the document was revised (to Rev 1) and sent to RL. Technical editing has been completed and the document will be issued this month.

Schedule Status: No FY09 activities are scheduled for this OU with the exception of the 241-CX Tank System Closure Plan. Update for the Hexone Tanks Closure Plan is underway.

Regulator Comments:

200-PW-2 & 200-PW-4 Ecology Lead (RL: Doug Hildebrand) – (Mike Hickey)
(M-15-43D, 12/31/10, Feasibility Study and Revised Recommended Remedy(ies))

216-B-12 and 216-C-1 Boreholes: Initiated SOW amendment to include the L and M well vadose zone samples for PNNL analysis. .

Schedule Status: Field work planning continued. Welling drilling scheduled for late fall 2009.

Regulator Comments

**200-BP-5 EPA Lead (RL: Doug Hildebrand) – (Curtis Wittreich)
(M-15-21A, 12/31/2012, Feasibility Study/Proposed Plan)**

- Remedial Investigation:
 - 200-BP-5 Conceptual Transport Model Report for the WMA B/BX/BY and surrounding area has been drafted by PNNL and is undergoing project review.
 - K well drilling is scheduled to start by the end of September 2009.

Schedule Status: An initial draft of the 200-BP-5 Conceptual Transport Model Report has been completed and is expected to be finalized by early FY10. Drilling of the K, L and M wells is scheduled to start by the end of September 2009 with the K well and be complete by July 2010. Milestone M-15-82 requires submittal of a treatability test plan for the U/Tc plume near WMA B/BX/BY by December 31, 2010.

Regulator Comments

**200-PO-1 Ecology Lead (RL: Doug Hildebrand) – (Curtis Wittreich)
(M-15-73, 12/31/2011, Submit FS Report and PP for 200-PO-1)**

- Remedial Investigation:
 - Collected 19 groundwater samples out of 27 available groundwater wells planned for decommissioning (200-PO-1 OU Work Plan Appendix A Table A3-3) as of August 7, 2009. One well was found to be dry, leaving seven wells to be sampled. Extreme Fire Danger concerns are impacting access and schedule to complete. Anticipate sampling to be completed by September 30, 2009.
- Continued work on 200-PO-1 RI geophysical data summary report.
- Remedial Investigation Report:
 - Preparation of the RI/FS report continues. A briefing meeting with decision makers was held on August 27, 2009 to review the fate and transport modeling approach..

Schedule Status: The Draft A Remedial Investigation Report is scheduled to be completed by March 2010. Proposed Milestone M-15-73 requires submittal of the Draft A Feasibility Study and Proposed Plan by December 30, 2011.

Regulator Comments

200-SW-1 Ecology Lead (RL: Kevin Leary) – (Ron Brunke)

- A data package was provided to Ecology on August 31, 2009. A meeting is scheduled for September 10, 2009 to review data package content and discuss permitting path forward and to schedule a site visit. A formal Ecology review of the closure plans is scheduled to begin in November.

200-SW-2 Ecology Lead (RL: Frank Roddy) – (Greg Berlin)

- RI/FS Work Plan (Rev 0) was approved by RL and Ecology on December 22, 2008.
- Geophysical investigations have been performed at 218-E-10, 218-E-12B, 218-W-4B, and 218-W-4C to support procedural closure of unused TSD landfill areas; final report preparation is underway.

Schedule Status: Non-intrusive characterization tasks (i.e., surface geophysics and passive organic vapor sampling) are now funded using ARRA support. Field activities will began in August and continue into FY2010.

Regulator Comments

200-MW-1 EPA Lead (RL: Frank Roddy) – (Mike Hickey)
(M-15-44B, 2/28/2010, Feasibility Study/Proposed Plan)

- Continued working on FF and PP to meet new TPA milestone.

Schedule Status: On schedule to meet modified TPA interim milestone M-015-44B.

Regulator Comments

200-MG-1/200-MG-2 Model Group 1 Sites (RL: Frank Roddy) – (Greg Berlin)
(M-15-49a, 12/31/08, MG-1 EE/CA) Ecology Lead
(M-15-49B, 12/31/08, MG-2 EE/CA) EPA Lead

- The 200-MG-1 EE/CA (Rev. 0, 194 waste sites) was published in June 2009.
- The 200-MG-1 AM (Rev. 0, 11 Outer Zone waste sites) was approved and published in July 2009.
- The 200-MG-1 SAP (Rev. 0, 11 Outer Zone waste sites) was published in September 2009.
- A draft 200-MG-1 RAWP (11 Outer Zone waste sites) has been prepared and is undergoing review by Ecology.
- The 200-MG-2 EE/CA (Rev. 0, 34 waste sites) was published in May 2009.
- A draft 200-MG-2 AM (Draft A, 34 waste sites) has been prepared and transmitted to EPA. Comments were received from EPA on September 01, 2009.

Schedule Status: On schedule

Regulator Comments

200-LW-1/200-LW-2 Ecology Lead (RL: Frank Roddy) – (Mike Hickey)
(M-15-46B, 12/31/11, Feasibility Study/Recommended Remedy) Ecology

- **216-B-6 Borehole C5860:**

Schedule Status: Other than the C5860 borehole (above), the project activities funded for this OU in FY09 are related to completing FY08 field activities and consolidating project information and actions to date. A change package that addresses the 200-LW-1/2 schedule is planned to be prepared by December 31, 2009 as specified in the proposed M-15-446B interim milestone. Obtain samples at the 216-B-6 (“K-well”) borehole April 27, 2009 – October 26, 2010.

Field work planning continued. Well drilling scheduled to start last week in September 2009

Regulator Comments

Ecological Risk Assessment (RL: James Hansen) – (John Lowe)

The Central Plateau Ecological Risk Assessment is currently being revised to incorporate regulatory agency comments provided in May 2008 and to align the document with the proposed approaches for preparing decision documents for the Outer and Inner Areas of the Central Plateau. The revised draft will be packaged as a data report, which will support ecological risk conclusions that will be presented in Outer and Inner Area RI/FS reports.

Schedule Status: The schedule for the ecological risk assessment will support proposed plans for the Outer and Inner Areas. A revised draft report is scheduled to be provided to DOE in January 2010.

Regulator Comments

Well Decommissioning Status: (RL: Frank Roddy) - (Chris Wright)

- Initial screening of candidates for decommissioning being performed with groundwater and source OU leads, DOE, and Ecology.
- Funding from ARRA for 350 wells.

Schedule Status: Decommissioning field work planned to begin September/October of 2009.

Regulator Comments

**200-TW-1 & 200-PW-5 EPA Lead (RL: Arlene Tortoso) – (Mike Hickey)
M-15-42D, 12/31/11, Feasibility Study/Proposed Plan for TW-1 & PW-5)**

Schedule Status: No FY09 activities are scheduled for this OU. A change package that addresses the 200-TW-1 & PW-5 schedule is planned to be prepared by December 31, 2009 as specified in the proposed M-15-42D interim milestone.

Regulator Comments

**200-TW-2 Ecology Lead (RL: Arlene Tortoso) – (Mike Hickey)
(M-15-42E, 12/31/11, Feasibility Study/Revised Recommended Remedy(ies) for TW-2)**

Schedule Status: No FY2009 activities are scheduled for this OU. A change package that addresses the 200-TW-2 schedule is planned to be prepared by December 31, 2009 as specified in the proposed M-15-42E interim milestone.

Regulator Comments

200-UR-1 Ecology Lead (RL: Frank Roddy) – (Ron Brunke)

- RL Plans to complete the West Lake SAP.

Scheduled Status: No update.

Regulator comments

**200 Area Project Managers' Meeting
September 17, 2009**

Attachment 3
CHPRC-0900225.5

OPEN ACTION ITEM TRACKING

Action #	Action/Subject	Assigned To	Owed To	Assigned Date	Original Due Date	Adjusted Due Date	Status
117	DOE to provide a schedule for completing the ECO Risk Assessment.	RL- Jim Hansen	EPA/Ecology	1/15/09	2/19/09	9/11/09	Open: A meeting was held to discuss the path forward to produce a Rev. B. Action will remain open until a white paper the updated schedule is available.
123	Hold a meeting on SW-1 & SW-2 characterization data	RL-Frank Roddy Kevin Leary	Ecology	8/20/2009	9/11/2009		

**DISTRIBUTION
PROJECT MANAGERS' MEETING,
200 AREA GROUNDWATER SOURCE OPERABLE UNITS
September 17, 2009**

DOE/RL

(No hard copy distribution)

EPA

Craig Cameron

B1-46

Ecology

Les Fort

H0-57

CHPRC

Janice Williams (original)

E6-35

Administrative Record (2)

H6-08

Correspondence Control

A3-01