

**DISTRIBUTION**  
**PROJECT MANAGERS' MEETING,**  
**200 AREA GROUNDWATER SOURCE OPERABLE UNITS**  
**April 21, 2011**

DOE/RL

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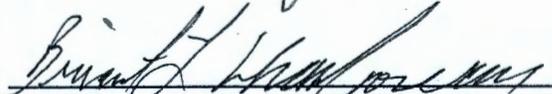
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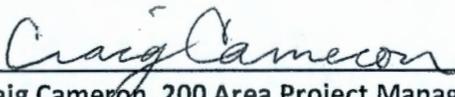


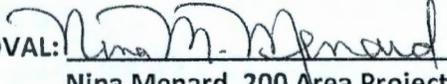
Meeting Minutes Transmittal/Approval  
Project Managers' Meeting  
200 Area Groundwater and Source Operable Units  
April 21, 2011

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APPROVAL:  DATE: 04/21/11  
Al Farabee, 200 Area Project Manager, DOE/RL

APPROVAL:  DATE: 4-21-11  
Briant Charboneau, 200 Area Unit Manager, DOE/RL

APPROVAL:  DATE: 4/21/11  
Craig Cameron, 200 Area Project Manager, EPA

APPROVAL:  DATE: 4/21/11  
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 21, 2011 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>
<b>Attachment 5</b>	<b>April 11, 2011, "ZP-1 Milestone Completion Meeting" Minutes</b>

200 Area Project Managers' Status Meeting  
April 21, 2011

Please print clearly and use black ink

PRINTED NAME	ORGANIZATION	O.U. ROLE	TELEPHONE
Nina Menard	ECY	PM	372-7941
KIM WELSH	ECY	200 AREA COORD.	372-7082
Stacey Simon	DOE		841 372-7082
Margo Vooght	DOE		376-8325
DL Foss	PRC		4382709
Rod Lobos	EPA	EPA	376-3749
Emy Laija	EPA		
Craig Cameron	EPA		376-8665
Doug Chpin	DOE-RL-0040		373-9396
Greg Suth	RL	CWS	373 7939
Arlene Tortois	DOE RL	200-Area PM	373-9631
Reed Kaldor	MISA		372-1992
Bryan Feay	DOE-EC		376-7087
Zelma Jackson			<del>372-7902</del>
Dib Goswan	Ecology		372-7902
Wade Weathers	RL		372-2889
R Douglas Hill	RL		373-9626
Reborah Singletta	Ecology		372-7923
Catherine Lowe	DOE-RL		376-6834
Nolan Burns	DOE-RL		376-5327

**200 Area Project Managers' Meeting  
Agreements and Issues List  
April 21, 2011**

**Agreement:** None

**Issue:** None

**Delegations for April 21, 2011 PMM meeting:**

DOE/RL      Doug Chapin for Al Farabee

200 Area Project Managers' Meeting  
April 21, 2011

CHPRC-1101606  
Attachment 3

OPEN ACTION ITEM TRACKING

Action #	Action/Subject	Assigned To	Owed To	Assigned Date	Original Due Date	Adjusted Due Date	Status
	No Open Action Items						

200 AREA PROJECT MANAGERS MEETING  
PROJECT STATUS UPDATES

April 21, 2011  
AGENDA

**CENTRAL PLATEAU INNER AREA**

200-WA-1  
200-EA-1 CMS & FS / CAD & PP  
200-PW-1/3/6  
SVE  
200-CW-5

**Inner Area: Central Plateau Burial Grounds**

200-SW-2

**Inner Area: Central Plateau Canyons & Facilities**

U Plant Canyon  
B Plant Canyon/Waste Sites

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

200-DV-1 RI/FS  
200-DV-1 Uranium  
200-DV-1 Tc-99 Desiccation Test

**BOTH INNER & OUTER AREAS**

200-IS-1CMS & FS / CAD & PP

**RCRA Units**

Hexone TSD Closure  
Other TSD Closures

**CENTRAL PLATEAU OUTER AREA**

200-OA-1, 200-CW-1, and 200-CW-3 FS/PP  
200-SW-1

**Field Work**

Rail Car Disposition  
200-MG-1  
200-CW-3  
200-BC Control Area  
West Lake  
Multi-Increment Sampling

**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 and 200-PO-1 FS  
200-BP-5 TTP  
Groundwater Plumes – Final Remedy  
Well Decommissioning

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

PUREX Canyon/Waste Sites  
REDOX Canyon/Waste Sites  
224B Concentration Facility  
224T Transuranic Storage and Assay Facility  
EE/CA Report(s)

## 200 AREA PROJECT MANAGERS MEETING PROJECT STATUS UPDATES

April 21, 2011

### CENTRAL PLATEAU INNER AREA

**200-WA-1 and BC-1 EPA Lead (RL- Arlene Tortoso, CHPRC – Phil Burke)**

**M-015-91A, Submit a RI/FS work plan for the 200-WA-1 OU (200 West Inner Area) to EPA, 12/31/2011**

**M-015-91B, Submit FS Report(s) and PP(s) for the 200-BC-1/200-WA-1 OU (200 West Inner Area) to EPA, 6/30/2013**

- Work on the 200-WA-1 and BC-1 OU Work Plan continued and the team has completed a due diligence of wastes sites within the 200-West Geographic Area. Sites have been initially identified that may require reclassification to the 200-WA-1 and BC-1 OU and some sites that are recommended to be transferred to 200-DV-1 or removed from the waste site list.
- Data has been assembled for the TPA Appendix C waste sites and an evaluation of initial data needs has been completed. Reviewed the data needs methodology and results with the development team on March 11, 2011 and will be setting up meetings with the agencies to review the results.
- A Decisional Draft document which details the analytical and numerical modeling approach that derive soil cleanup levels protective of groundwater is under development and undergoing internal review. Review is expected to occur in April.

Schedule Status: On Schedule

Regulatory Agency Comments:

**200-EA-1 Ecology Lead (RL- Doug Hildebrand, CHPRC – Phil Burke)**

**M-015-92A, Submit a RFI/CMS & RI/FS work plan for the 200-EA-1 OU (200 East Inner Area) to Ecology, 12/31/2012**

- Activities associated with 241-CX-72 (Semi Works) Characterization and the preliminary assessment of waste sites to be included in the 200-EA-1 RI/FS WP have been resequenced to be consistent with the funding profile; this resequencing will not impact milestone compliance at this time.

Schedule Status: Schedule will be revised, if needed, upon recommencement of project activities.

Regulatory Agency Comments:

**200-PW-1/3/6 EPA Lead (RL- Arlene Tortoso, CHPRC – Phil Burke)**

- The Draft C Feasibility study was transmitted to EPA on January 11, 2011. EPA comments were received on February 24, 2011. Comment responses were transmitted to EPA on March 28, 2011.
- Draft A of the Proposed Plan for combined CW-5 and PW-1/3/6 was submitted to EPA on January 11, 2011. EPA comments were received on February 24, 2011. Comment responses were transmitted to EPA on March 28, 2011.
- Meet with EPA on April 13, 2011 to complete resolution of issues for both the FS and the PP. To support an accelerated schedule, redlines of both the PP and the FS will be prepared for RL and EPA review.
- EPA has requested a mid-June start date for the Public Comment period for the PP.

Soil Vapor Extraction System (SVE): (RL- Arlene Tortoso, CHPRC –Mark Byrnes)

- The soil vapor extraction units (PW-1 and PW-2) were restarted on March 1, 2011 as planned. Problems with the Gas Chromatographs have caused the systems to be shut down several times since they were restarted in March.

Schedule Status: On schedule

Regulatory Agency Comments:

**200-CW-5 EPA Lead (RL- Greg Sinton, CHPRC – Phil Burke)**

- Draft A of the combined CW-5 and PW-1/3/6 Proposed Plan was submitted to EPA on January 11, 2011. EPA comments were received on February 24, 2011. Comment responses were transmitted to EPA on March 28, 2011. Met with EPA on April 13, 2011 to complete resolution of issues. The PP will be revised to incorporate the agreed upon changes. Some of the changes impacted language in the CW-5 FS, so those changes will also be made. To support an accelerated schedule, redlines of both the PP and the CW-5 FS will be prepared for RL and EPA review.

Schedule Status: On schedule

Regulatory Agency Comments:

**Inner Area: Central Plateau Burial Grounds****200-SW-2 Ecology Lead** (RL – Doug Hildebrand, CHPRC – Phil Burke)**M-015-93A, Submit Revised RFI/CMS & RI/FS work plan for the 200-SW-2 OU to Ecology, 12/31/2011****M-015-93B, Submit RFI/CMS & RI/FS Report & Proposed CA Decision/PP for 200-SW-2 to Ecology, 12/31/2016**

- Additional internal workshops were held to evaluate potential remedial investigation techniques for application to landfill characterization.
- Technology experts continued to be consulted concerning geophysical and radiological survey approaches including data evaluation.
- Progress continued in working to administratively remove approximately 160 acres of unused landfills from the RCRA TSD Areas. Discussions were conducted with Waste and Fuels Management concerning the removal of several small surface anomalies found at the unused landfill areas within 218-W-4C and 218-E-10. Attempts will be made to remove the anomalies and include the action in the Unused Areas Report (scheduled to be issued in June). Otherwise these anomaly sites will be dealt with administratively under the WIDS process.
- Activities continued related to the preparation of the revised Work Plan, DQO and SAP.
- A meeting was held with Ecology in March to obtain concurrence/agreement on the annotated outline of the Work Plan and to discuss the initial landfill characterization approaches.
- A workshop with Ecology scheduled in mid-May to discuss additional details on the characterization approach.

Schedule Status: On Schedule

Regulatory Agency Comments:**Inner Area: Central Plateau Canyons and Facilities****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**

- The ARARs table, Table 2-2, in the RD/RAWP correctly cited the regulation, WAC 173-400-040. The description under column, "Rationale for Use", however, was not specific enough to cover operations, most notably the grout/concrete batch plant, which was cited in Section 6.6.1. The description only cited the control of fugitive emissions, omitting the requirement to meet the visible emissions, or opacity, standard.

- The grout/concrete batch plant does not meet any New Source Performance Standard. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Processing Plants, is not applicable because the batch plant operations do not perform crushing, grinding, or screening operations. 40 CFR 60, Subpart F, Standards of Performance for Portland Cement Plants, is not applicable because the batch plant does not manufacture Portland cement.
- The stairwells of 221-U Canyon will not be grouted, and were not in the 90% grout design document. The final disposition of the stairwells plan to be detailed in the demolition design document.

**Regulatory Documents EPA Lead (RL- Wade Woolery, CHPRC – Dottie Norman / Curt Walker)**

- The 90% Remedial Design Report for Grouting 221-U Plant Canyon, Revision 0, was approved on March 14, 2011.
- The 90% Remedial Design Report for the Disposition of Tank D-10, Revision 0 was approved by RL in April. EPA had provided a verbal approval, however, recently discussed potential changes in the removal of the D10 Tank, such as the implementation of supplemental shielding, may be considered part of the 90% design. Therefore, EPA may revisit their verbal approval until a final decision is provided. In addition, such potential changes could also require RL to revisit the design document.

Schedule Status: On schedule

Regulatory Agency Comments:

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

**M-85-10A, Submit RI/FS work plan for the 200-CB-10U (B Plant Canyon/associated past practice waste sites) to Ecology, 12/31/2011**

- Work on the DQO continued during the month of March.
- A meeting held on April 6, 2011, between EPA, RL, and Ecology to discuss DQOs served as the DQO interview for EPA as the support regulatory agency.
- Initial draft is complete for Chapters 1 and 2.
- Continued writing 200-CB-1 WP with chapters 3, 4, 5 and 6.
- Reviewing B-Plant graphics for potential communication tool with Agencies and public.

Schedule Status: On schedule

Regulatory Agency Comments:

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

**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, 9/30/2012**

**M-015-110B, Submit CMS & FS and PP/Proposed CA Decision for the 200-DV-1 OU to Ecology, 9/30/2015**

- Completed the seventh scoping session on March 23, 2011 dealing with the waste site DQO process. Provided the information package for the B Area waste sites on April 15, 2011 to help facilitate the up-coming DQO meeting.
- Continued with development of the deep vadose zone technologies screening and preparation for the Public Information Exchange on Deep Vadose Zone Technologies, which has been scheduled for June 7, 2011.
- Initiated field work for pumping the perched water from the B Area.

Schedule Status: Submittal of the RFI/CMS & RI/FS Work Plan is on schedule.

Regulatory Agency Comments:

**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**

Uranium Sequestration Pilot Test:

- Work continues to optimize the field activities associated with the Uranium Sequestration Field Test Plan and Sample Analysis Plan to collect the data that is necessary to support the 200-DV-1 OU feasibility study.

Schedule Status: Budget impacts on the uranium sequestration test schedule are being evaluated.

Regulatory Agency Comments:

**200-BC-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**

Desiccation Test

- The Desiccation Pilot Test was initiated on November 8, 2010 and will continue field work for the following six months. The data collection from this field work will be used to write the report that will be used to complete the objectives in milestone M-015-110D.

Schedule Status: On schedule

Regulatory Agency Comments:

**BOTH INNER & OUTER AREAS**

**200-IS-1 Ecology Lead (RL- Doug Hildebrand, CHPRC – Phil Burke)  
M-015-90, Submit Revised RFI/CMS & RI/FS work plan for 200-IS-1 to  
Ecology, 6/30/2011**

**200-EA-1 & 200-IS-1 Ecology Lead (RL- Doug Hildebrand, CHPRC – Phil Burke)  
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, 6/30/2014**

- Tables were prepared and provided to Ecology which sorted the pipelines by past practice and TSD lines for both 200-East and 200-West. The table correlates with the methodology being used in the work plan.
- Draft of the work plan is currently being reviewed within DOE.
- Met with the regulatory agencies on March 2, 2011 to discuss the IS-1-OU Structure, criteria for the division of pipelines into past practice and TSD bins, RCRA v CERCLA requirements and the needed coordination, and potential pipeline characterization approaches.

Schedule Status: On schedule

Regulatory Agency Comments: Ecology comment via email:  
Briant (Charboneau/RL) and Tom (Fletcher/ORP).

During recent discussions within the Dept of Ecology, regulatory concerns about the  
200-IS-1 OU have come to my attention.

DOE/RL, EPA and Ecology have been trying to come to agreement on the scope of the  
200-IS-1 OU. DOE/RL and EPA wish to have all the CERCLA past practice (PP) lines

in the 200 West geographical area transferred out of the 200-IS-1 OU into the 200-WA-1 OU or the 200-OA-1 OU. Ecology has maintained that this creates several working inefficiencies for DOE, EPA, and Ecology, and was not the intent of the Central Plateau TPA milestones.

The 200-IS-1 OU contains all ancillary equipment (pipelines, valves, pumps, valve pits, etc) and includes both CERCLA past practices ancillary equipment and RCRA TSD ancillary equipment. The original idea of having all the ancillary equipment in one OU was to ease the regulatory and technical cleanup of the equipment. Separating the ancillary equipment into two or three different OUs will cause the problems described below:

- 1) With only the RCRA TSD ancillary equipment in the 200 West Area left in the 200-IS-1 OU, the alternative requirements authority under WAC 173-303-610(1)(e) can no longer apply. Therefore, all the RCRA/TDS ancillary equipment must have individual component closure plans for each and every line added into the site-wide RCRA permit by permit modification. The workload for both DOE and Ecology will increase because of permit modifications to add in the component closure plans. This will especially require the submittal of extensive modifications for the SST permit and a new M-45 milestone will be needed for tank ancillary equipment in the West area.
- 2) If the tank system components cannot be clean closed, then according to the WAC regulations, the tanks and ancillary equipment would have to be closed as a landfill. The alternative authority requirements provides other options for closure of these components.
- 3) WIR Determination - Regardless of the WIR process used for 200-IS-1, DOE will need to apply a WIR determination for any pipelines that have been used for HLW, such as those to/from tank farms and canyons in order to remove, treat or dispose of pipelines or leave any pipeline in place. This sets up a potential conflict in how pipelines are defined. For example, from DOE's January 18 presentation to Ecology, it is stated that "pipelines and associated components in the 200-IS-1 scope that are not in the current version of the Part A will be considered as Past Practice sites." This could leave "tank farm" pipelines treated as ancillary equipment under DOE O 435.1 but not as ancillary equipment under RCRA. It will be difficult to explain the regulatory nuances to the public.
- 4) If the CERCLA PP ancillary equipment is in the 200-WA-1 OU, the schedules for remediation do not match the schedule for cleanup of the RCRA TSD ancillary equipment.
- 5) Dividing the pipelines into separate OUs will create a different regulatory pathway for TSD equipment between the 200-East and 200-West Areas.

In consideration of the above, Ecology is convinced more than ever that all ancillary equipment in the 200 Area needs to remain in the 200-IS-1 OU. The benefit of using the alternative authority is that tank ancillary equipment and past practice equipment can be remediated using like actions as long as the closure performance standards of WAC 173-303-610(2)(a) are met.

I would suggest that we meet so that Ecology can present a more detailed discussion on the above. It is important DOE and EPA come to the mutual understanding that

keeping all ancillary equipment within the 200-IS-1 OU allows the needed regulatory flexibility for the tank system components and reduces workload and cost.

### **RCRA Units**

**Hexone TSD Closure Ecology Lead (RL- Kevin Leary, CHPRC – Phil Burke)**

**M-037-01, Submit Revised Closure Plan to support TSD closure of the Hexone Storage and Treatment Facility (276-S-141/142) TSD unit, 12/30/2010**

- The Hexone Storage and Treatment Facility Closure Plan and SAP were transmitted to Ecology for review on July 16, 2010. Comments were received from Ecology on October 15, 2010. Comment resolution has been granted via e-mail by Ecology to March 11, 2011. Based on a follow-up meeting with Ecology the LDR variance is being withdrawn and the document rewritten to consider the tanks and ancillary equipment as debris (per Ecology's e-mail of 1/26/2011). Comment responses were submitted to Ecology on February 18, 2011.

Schedule Status: Ahead of schedule.

Regulatory Agency Comments: Ecology is asking that DOE verify that NEPA coverage is in place for this work.

### **Other TSD Closures**

**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**

**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-A-36B 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**

**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**

**CENTRAL PLATEAU OUTER AREA**

**200-CW-1, 200-CW-3, 200-OA-1 EPA Lead** (RL – Margo Voogd, CHPRC – Mike Hickey)

**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, 4/30/2012**

- Decisional Draft 200-CW-1, 200-CW-3, and 200-OA-1 Work Plan and Decision Draft 200-CW-1, 200-CW-3, and 200-OA-1 Supplemental Characterization SAP expected transmittal to EPA, for approval, in early June.
- Draft A Ecological SAP was informally transmitted to EPA the end of March.

**200-CW-1, 200-CW-3, 200-OA-1 EPA Lead** (RL – Margo Voogd, CHPRC – Mike Hickey)

**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, 4/30/2012**

- Work on these closure plans is scheduled for FY12.

Schedule Status: On schedule

Regulatory Agency Comments:

**200-SW-1 Ecology Lead** (RL: Kevin Leary, CHPRC – Mike Hickey)

- Ecology has reviewed the revised EA and comments incorporation is underway.

Schedule Status: As above.

Regulatory Agency Comments:

**Field Work**

**Railcars Disposition EPA Lead** (RL: Frank Roddy, CHPRC – Dottie Norman)

- Wet grouting the railcars has commenced. The grouting is being done in 2 lifts. 4 cask cars North of the road have been filled with grout. The rest of the cask cars have had one lift of grout and need a second lift planned for Friday, April 29, 2011. The tank cars will be grouted at ERDF.

\*The 16 railcars consist of two diesel locomotives, 11 fuel cask railcars, two tank railcars, and one flat railcar. The DOE has decided to move the 2 locomotives, the tall cask car and one 3-well cask car to the B Reactor for display purposes with the understanding that it will be cost-neutral to ship to B Reactor. The projected schedule is

for the flatbed car to be moved the last week of April, the locomotives starting May 9, 2011 and the cask cars starting on May 16, 2011. There was newspaper coverage on the railcars going to B Reactor: Tri-City Herald on 4/3/11 and USA Today on 4/5/11 (no pictures).

Schedule Status: On schedule

Regulatory Agency Comments:

**200-MG-1 EPA/Ecology Lead (RL: Frank Roddy, CHPRC – Curt Walker)**

- The SAP Rev 1 was approved by EPA and Ecology on January 10, 2011.
- Field work continues on waste sites in the Outer Area (including 216-S-19, 600-40, 600-282, 200-W-33, 600-218, 600-220, 216-S-26, and 200-W-147-PL-A).
- The following sites have been completed: 200-E-110, 600-36, 600-37, 600-38, 600-51, 600-65, 600-222, 600-262, 600-275, UPR-600-21, 600-275 and 600-226.

Schedule Status: On schedule

Regulatory Agency Comments:

**200-CW-3 EPA Lead (RL: Frank Roddy, CHPRC – Curt Walker)**

- The RSVPs (DOE/RL-2010-108 and DOE/RL-2010-111) for the 216-N-4 and 216-N-6 waste sites were approved by EPA on March 2, 2011.
- The following sites have been completed: 216-N-1, 4, 216-N-4, 216-N-6, 600-286-PL, and 600-287-PL. WIDS Reclassification Forms need to be signed for 216-N-4 and 216-N-6.

Schedule Status: On schedule

Regulatory Agency Comments: EPA requests that the 200-CW-3 Remedial Action Report is complete and approved by September 2011.

**200-BC Control Area (BCCA) EPA Lead (RL – Doug Chapin, CHPRC – Bo Wier)**

- BCCA North Zone A (~ 140 acres):
  - The 140 acres have been remediated and field excavation is complete. As of the week of April 18, 2011, a cumulative total of ~390,000 tons have been disposed of at ERDF. Work is focused on completing excavation of the stockpile (~162,000 tons) for disposal to ERDF. As of the week of April 18, 2011, the stockpile excavation work is ~30% complete and the estimated quantity remaining in the stockpile is ~116,000 tons. The

- stockpile excavation work is on schedule to be completed by the end of July 2011.
- CERCLA post-soil removal verification survey measurements were continued and have been completed for ~90% of the area. All hot spots identified to date have been remediated.
  - Interim stabilization and reseeded of the ~140 acres was completed.
  - Final down post surveys to release the land area from radiological controls were continued, which began the week April 04, 2011. Approximately 10% of the land area has been surveyed.
  - FY 2011 BCCA Interim Status Report: EPA continued their review of a predecisional draft report, which RL provided on April 05, 2011. On April 12, 2011, EPA notified RL that when they finish their review, they will send questions/concerns or notify us for a briefing. The report, although not a regulatory and contract requirement, is being prepared to document for the 200-OA-1 OU AR, the FY 2011 work completed for the BCCA North (Zones A and B) cleanup work and will reflect that reprioritization of funding to other projects did not allow all of the CERCLA cleanup in BCCA North to be completed. No field work is impacted.
  - BCCA SAP, Post-Removal Action Verification Sampling for BCCA North "Hot Spot (Discontinuation)" Contamination Areas: The proposed BCCA SAP text was incorporated into an appendix to the predecisional draft SAP for the supplemental characterization of selected 200-CW-1, 200-CW-3, and 200-OA-1 OU Waste Sites, which continues under review (since the end of February 2011). This reflects that BCCA (Waste Site UPR-200-E-83) was moved from the 200-UR-1 OU (no longer exists) to the 200-OA-1 (Outer Area) OU, per TPA Change No. C-09-07, approved in late March 2010.

Schedule Status: On schedule

Regulatory Agency Comments: Reference to lead regulatory agency needs to be modified in the work plan to reflect the change package.

**Multi-Increment Sampling Ecology Lead (RL – Frank Roddy, CHPRC – Bo Wier)**

- The first site of MIS verification sampling is complete. All samples have been delivered to Ecology. Discussion of a second site (heterogeneous) is continuing.

Regulatory Agency Comments: Ecology will schedule the meeting with Frank Roddy and the appropriate contractors to schedule this MIS.

## **Risk Assessment**

### **Central Plateau Ecological Risk Assessment EPA/Ecology Lead (RL – Jim Hansen, CHPRC – John Lowe)**

- SAP and sampling design for collection of ecological data for site-wide PRG development (with a focus on supporting the schedule for River Corridor RI/FSSs) is being completed. SAP development was discussed with Tri-Parties during February 2, 2011 SEC Ecological PRG Workgroup Meeting.
- Met with Tri-Parties at the February 2, 2011 Ecological PRG Workgroup Meeting to discuss comments on the draft bioinvasion report (CHPRC-00651), and to discuss how bioinvasion needs to be addressed in the context of the RI/FS process.
- Coordinated with WCH on development of literature-based PRGs for plants and soil invertebrates both for incorporation into the RCBRA and for site-wide use.

Schedule Status:

Regulatory Agency Comments:

## **CENTRAL PLATEAU GROUNDWATER**

### **200-ZP-1 Interim Action and 200-PW-1 SVE EPA Lead (RL – Arlene Tortoso, CHPRC – Mark Byrnes)**

- The system is currently operating at 404 gpm. Average flow rate through the system over the past 30 days is 400 gpm (80% of capacity).
- Extraction wells 299-W11-45 and 299-W11-46 are online pumping water to ETF at a pumping rate of approximately 44 gpm.

Schedule Status: On schedule.

Regulatory Agency Comments:

### **200 West Area GW Treatment Facility EPA Lead (RL – Arlene Tortoso, CHPRC – Mark Byrnes)**

**M-016-124, Submit 200-ZP-1 Remedial Design Report, 8/31/2010**

**M-016-122, Begin Phase 1 Operation of 200W Pump and Treat System, 12/31/2011**

- Radiological Building: Process piping rough in overhead as well as in the trenches, installation of VOG ductwork continues. Continuing on lighting and power conduits over head, as well as installation of exterior transformers, and rough in for instrumentation and controls.

- Bio Process Building: C and A-line utility racks process piping installation continues. The fire protection wet system installation continues, initiation of metal decking for the admin and chemical storage areas.
- BIO PAD: Continued concrete formwork for the Splitter box and main mechanical duct bank. Continued steel installation on the utility racks, hand rails and grating.
- Meeting minutes from the "ZP-1 Milestone Completion Meeting," held between RL and EPA on April 11, 2011, at 8:00 am, are included as Attachment 5.

Schedule Status: On schedule.

Regulatory Agency Comments:

**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**

- Redlines of the Draft A 200-UP-1 OU RI/FS Report and Proposed Plan incorporating regulator comments were prepared for EPA approval. Discussions on the ROD and proposed plan approach continued.

Schedule Status: M-015-17A completed September 27, 2010

Regulatory Agency Comments:

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

**M-016-120, GW Treatment System <50 gpm for Tc-99 Plume at S/SX Tank Farm, 12/31/2011**

- Construction of the WMA S-SX extraction system continued. The building has been enclosed with the exception of one section that will allow access for the transfer tank. Extraction well drilling is expected to start in mid-April. Construction of the above ground pipeline was initiated.

Schedule Status: Construction of the extraction system is currently on schedule.

Regulatory Agency Comments:

**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, 12/31/2012**

- Review of the Decisional Draft 200-BP-5 RI Report was completed. Submittal of the Draft A RI Report to Ecology is scheduled for June 2011.
- The Draft A 200-PO-1 RI Report was transmitted to the Regulators on June 10, 2010 for review. Ecology comments were transmitted to DOE on February 23, 2010. Dispositions to Ecology comments were prepared and are in the process of being transmitted to Ecology.

Schedule Status: 200-BP-5 and 200-PO-1 FS Report and PP are on schedule.

Regulator Comments

**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**  
**M-015-82B, Initiate 200-BP-5 Aquifer Tests Within 6 months of TTP Approval, approval of TPP + 6 months**

- The final 200-BP-5 Treatability Test Plan was approved by Ecology on February 1, 2011 and has been issued.
- Completed the design of the 200-BP-5 extraction system. Construction prejob activities (e.g., permits, surveys) are underway to construct pipeline road crossings this FY. Drilling of the two extraction and monitoring wells are planned to start October.

Schedule Status: M-015-82A completed. M-015-82B (August 1, 2011) on schedule.

Regulatory Agency Comments:

**Well Decommissioning EPA/Ecology Lead (RL – Frank Roddy)**

	March		Cumulative	
	Planned	Completed	Planned	Completed
Decommissioning Total	12	10	211	202

Schedule Status: Continuing with plans to decommission another 95 wells for a total of 280 wells. It is planned for additional DOE verification of well decommissioning next week.

Regulatory Agency Comments:

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

**PUREX Canyon/Waste Sites Ecology Lead** (RL – Frank Roddy, CHPRC – Mike Hickey)

**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**

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

**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**

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

**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**

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

**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**

**EE/CA Report(s) EPA & Ecology Lead** (RL – Doug Chapin, CHPRC, Dottie Norman)

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

- **200 East Area Tier 2 Facilities EE/CA:**
  - The RAWP for 209E was approved on April 04, 2011, and by Ecology on April 05, 2011.
  - The SAP for 209E was approved on April 04, 2011, and by Ecology and EPA on April 05, 2011.
- **200 West Area Tier 2 Facilities EE/CA:** Planning continues with schedule details to follow.

**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**

- Draft Annual Report provided to EPA and Ecology.

Schedule Status: TBD

Regulatory Agency Comments:

**ZP-1 Milestone Completion Meeting Minutes**  
**April 11, 2011, 8:00 am**

**Attendees:** John Morse (RL), Arlene Tortoso (RL), Bill Barrett (CHPRC), David Fink (CHPRC), Mark Byrnes (CHPRC), Dennis Faulk (EPA), and Emerald Laija (EPA)

**Summary:**

John Morse opened the meeting by stating the objective of the meeting was to brief EPA on the 200 West Pump & Treat Startup Plan and the approach to meet the TPA Milestones M-016-120 and M-016-122.

David Fink provided a brief overview of the contents of the Startup Plan and focused on Appendix D titled Summary Schedule Status and Conventions. Mr. Fink focused on the equipment and time necessary to bring up a biological system (estimated 9-13 weeks), and how it was addressed in the appendix.

Dennis Faulk noted that RL really needs to run column testing to identify an optimum resin for recovering I-129. Dennis Faulk commented that the verbiage on the page 43 schedule did not match the TPA Milestone. The group agreed that clarification was needed. John Morse noted that Mark Byrnes needs to provide the group with an update on how the in line Tc-99 monitor has been working since he understood there have been some problems recently. EPA generally agreed with the schedule for bringing the system on line.

Mr. Morse brought up the topic of when should the ZP-1 interim P+T operations be terminated. After the discussions between Bill Barrett, John Morse, Mark Byrnes and Dennis Faulk, it was the consensus that CHPRC needed to present a position of when in FY 2012 would be a good point to terminate operations at ZP-1. Dennis Faulk stated that termination needed to take place in FY 2012.

Mr. Fink finished the briefing on the Startup Plan and asked if there were any more questions that needed to be answered for EPA. EPA stated they were fine with the briefing and if necessary would follow up with Mr. Fink.

The meeting finished with EPA, DOE and CHPRC, with the agreement that the approach the Startup Plan presented was acceptable, however the verbiage in the supporting documentation needed to be revised.

**Actions:**

- Mark Byrnes to provide the group with an update on how the in line Tc-99 monitoring has been working.
- John Morse to try to find future funding to support the performance of resin column testing for optimum I-129 recovery.
- Dave Fink to modify the verbiage on page 43 of the 200 West P+T Startup Plan to match the TPA Milestone.
- Mark Byrnes to setup meeting to discuss when to terminate interim ZP-1 P+T operations.