

**DISTRIBUTION  
PROJECT MANAGERS' MEETING,  
200 AREA GROUNDWATER SOURCE OPERABLE UNITS  
January 20, 2011**

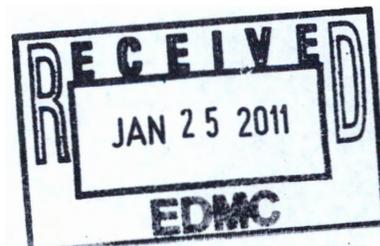
DOE/RL  
(No hard copy distribution)

EPA  
Craig Cameron B1-46

Ecology  
Nina Menard H0-57

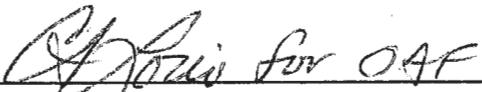
CHPRC  
Janice Williams (original) E6-35

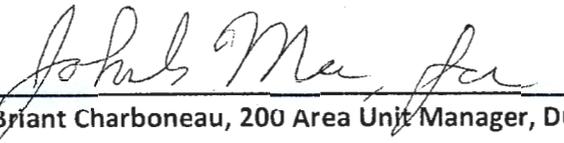
Administrative Record (2) H6-08  
Correspondence Control A3-01

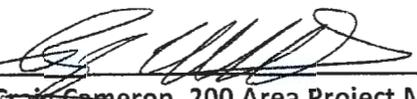


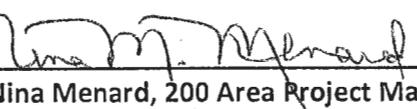
Meeting Minutes Transmittal/Approval  
Project Managers' Meeting  
200 Area Groundwater and Source Operable Units  
January 20, 2011

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APPROVAL:  DATE: 1/20/11  
Al Farabee, 200 Area Project Manager, DOE/RL

APPROVAL:  DATE: 1/20/2011  
Briant Charboneau, 200 Area Unit Manager, DOE/RL

APPROVAL:  DATE: 1-20-2011  
Craig Cameron, 200 Area Project Manager, EPA  
Red Lobos

APPROVAL:  DATE: 1/20/11  
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 January 20, 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>Screening Criteria for the 221U Facility Barrier Fill Material</b>
<b>Attachment 6</b>	<b><i>Attachment 1 CY 2011 – CY 2013 Monitoring Wells</i></b>
<b>Attachment 7</b>	<b>Extension for 30 Days for Comment Resolution on the Hexone Storage and Treatment Facility (HSTF) Closure Plan</b>

200 Area Project Managers' Status Meeting  
January 20, 2011

Please print clearly and use black ink

PRINTED NAME	ORGANIZATION	O.U. ROLE	TELEPHONE
Rod Cobos	EPA		376-3749
Jarvis Williams	CHPRC	Facilitator	372-3552
JOHN CULMER	WOODH		946-0790
Dottie Norman	CHPRC		373-2027
Les Walker	"		458-7144
Doeg Chasin	DOE-RL-0040		373-9396
Arline Tortoso	DOE	200 Area PM	373-9631
Laura Buelow	EPA		376-5406
Wade Woolong	RL		372-2889
Jim Hansen	RL		376-4648
JOHN Monse	RL		376-0097
Greg SIMTON	RL		373-7939
NINA Menard	ECY		372-7941
NADIA BLAND	RL		6-5527
Emily Laija	EPA		376-4919
Shelley King Oregon			(541) 943-0853



**200 Area Project Managers' Meeting  
Agreements and Issues List  
January 20, 2011**

**Agreement:** Screening Criteria for the 221U Facility Barrier Fill Material was approved (Attachment 5)

**Agreement:** It is agreed that for the TPA M-24 well # 63, the well that was originally designated to replace 299-W22-26, will now be a well to replace well 299-W22-44. Please see the attached updated list, titled *Attachment 1 CY 2011 – CY 2013 Monitoring Wells* (Attachment 6)

**Agreement:** Ecology agrees to the extension request, for the RCR comment responses for Closure Documents, for the Hexone Storage and Treatment Facility Closure Plan to February 11, 2011 (Attachment 7)

**Agreement:** Doug Chapin Email (Attachment 8)

**Issue:** None

**Delegations for January 20, 2011 PMM meeting:**

Rod Lobos for EPA  
Cathy Louie for RL-40

200 Area Project Managers' Meeting  
January 20, 2011

CHPRC-1100020  
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

January 20, 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-1 CMS & 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

January 20, 2010

### CENTRAL PLATEAU INNER AREA

**200-WA-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**

- No Agency review comments have been received on the annotated outline. RI/FS Work Plan development is proceeding in accordance with the Annotated Outline. Work on the data development for the RI/FS Report and work on the baseline risk assessment has been stopped due to lack of funding.
- Field preparation activities continued for the boreholes associated with the U-8 and U-12 cribs. Field preparation for the characterization boreholes and drive points associated with the Supplemental RI/FS Work Plan (DOE/RL-2007-02, Rev 0) continued. Borehole drilling is anticipated to start first quarter calendar 2011.
- A Decisional Draft document which details the analytical and numerical modeling approach that derive soil cleanup levels protective of groundwater is under development and scheduled for completion Summer 2011.

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 stopped due to lack of funding.

Schedule Status: On schedule

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. Comments are due within 45 days.
- Draft A of the Proposed Plan for combined CW-5 and PW-1/3/6 was submitted to EPA on January 11, 2011. Comments are due within 45 days.

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

- The soil vapor extraction units (PW-1 and PW-2) were shutdown on November 1, 2010. The system is scheduled to be offline until March when soil vapor extraction will resume.

Schedule Status: On schedule

Regulatory Agency Comments:

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

- EPA provided review comments on the Draft C feasibility on October 19, 2010. RL responded on November 16, 2010 with a plan to address the comments and update the document to provide a "Revision 0" document to EPA for approval in February, 2011. Comment resolution meetings have been held and redlines will be discussed with EPA in January to support preparation of the Rev 0 FS.
- Draft A of the combined CW-5 and PW-1/3/6 Proposed Plan was submitted to EPA on January 11, 2011.

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**

- DOE, Ecology and EPA held public meetings for the HAB Committee of the Whole and other public stakeholders on the solid waste burial grounds in Richland, Hood River, Portland and Seattle.
- An Internal workshop was held to evaluate potential remedial investigation techniques for application of landfill characterization
- Attended HAB Meeting to discuss draft recommend HAB Advice for landfill characterization and remediation.
- Technology experts are being consulted concerning geophysical and radiological survey approaches including data evaluation
- Prepared and submitted draft Unused Areas Report and conducted follow up meeting with Ecology to discuss comments and to develop a path forward for further limited site investigations and report finalization.
- Conducted and completed a vapor data assessment of previous phases of vapor sampling to support defining future characterization efforts and to include in the revised Work Plan.
- Activities related to the preparation of the revised Work Plan continued.

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 U Plant barrier screening criteria was approved by EPA on January 10, 2010. The criteria will be submitted to the Administrative Record by the time of the January PMM, at the latest.

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

- The decisional draft combined 30%/60% design package for grout was emailed to EPA for review November 1, 2010. On November 3, 2010, EPA requested that RL transmit (by letter) the document to them for review. On November 23, 2010, the document was transmitted to the EPA

- Comments were received from EPA on December 20, 2010. The Revision 0 design package is being prepared.
- The 90% decisional draft design package for grout is being drafted by CHPRC.
- The 90% draft design package for TK-D-10 was signed by RL on January 20, 2011. The document is in ESTARS for transmittal to EPA for review.

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**

- Planning of the Central Plateau decision documents to align with the new TPA is ongoing.
- Preliminary discussions were held with Ecology to discuss work scope and Work Plan content. DQO discussions are planned for the month of January.

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 an integrated schedule of the Deep Vadose Zone activities in the Central Plateau.
- Completed the second and third sessions of RFI/CMS & RI/FS Work Plan scoping with the Agencies on December 7, 2010 and January 13, 2011, respectively.

- Scheduled a ½-day session for Deep Vadose Zone Technology Screening with the Agencies for January 31, 2011. Initiated planning for up-coming public involvement opportunities associated with the technology screening.

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:

- The Uranium Sequestration Field Test Plan and Sample Analysis Plan was submitted on December 2, 2010, and then retransmitted to Ecology on December 14, 2010.

Schedule Status: Complete

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 next 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**

- Began building comprehensive data set that includes 200-IS-1 pipelines and component physical characteristics.
- Conducted discussions within DOE concerning transfer of IS-1 components from ORP to RL.
- DOE evaluated 200-IS-1 pipelines to allocate past practice pipelines to the 200-WA-1.
- Developed through coordination with ORP, the rationale for defining TSD components to be addressed as part of 200-IS-1.
- Developed a detailed decision logic flow diagram for developing remedial alternative selection for pipelines.
- Identified IS-1 Pipeline segments that are to be addressed under the Outer Area OU.
- A storyboard session was completed on the IS-1 Work Plan.
- Preparing internal drafts of chapters 1, 2, 3, and 4 of the Work Plan. Activities related to the preparation of the Work Plan continued.
- Further discussions on the alignment of waste sites with other OUs are planned for January.
- Participated in a meeting with MSA concerning Draft TPA change package that would potentially transfer approximately 200 sites to IS-1 and revise the TPA Appendix C.

Schedule Status: On schedule

Regulatory Agency Comments:

**RCRA Units****Hexone TSD Closure Ecology Lead (RL- Kevin Leary, CHPRC – Greg Berlin)****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 February 11, 2011. Responses were submitted for review on December 27, 2010. The e-mail granting this 30 day extension is being presented in the January 20 PMM for entry into the administrative record.

Schedule Status: Ahead of schedule.

Regulatory Agency Comments:**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-037-03, 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****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****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 – Greg Sinton, 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**

- The West Lake Rev. 0 SAP was approved by EPA and Ecology in December 2010 and the distribution letter is in RL concurrence.
- Decisional drafts of the Outer Area RI/FS Work Plan, Characterization SAP, and Ecological SAP are expected to enter RL review at the beginning of February 2011.

Schedule Status: On schedule

Regulatory Agency Comments:

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

- The NRDWL/SWL Closure/Post-closure Plan, Rev. 2 was finalized and transmitted to Ecology on December 20, 2010. In addition, the Groundwater Monitoring Plan, Rev. 1 was also finalized and transmitted jointly with the Closure Plan.
- The revised draft interim EA, originally issued in May will be re-issued as the best means to address all public comments and obtain full SEPA support. Ecology has accepted RL's invitation to participate as a cooperating agency to support the draft interim EA revisions. The EA is tentatively planned to be re-issued to public in mid to late March time frame.

Schedule Status: As above.

Regulatory Agency Comments:

## Field Work

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

- Revision 0 of the Action Memorandum addendum to the 212-N, -P, and -R Facilities EE/CA, was approved on December 6, 2010.
- The contractor is working on responses to the EPA comments on the Draft A RAWP.
- The contractor is working on responses to the EPA comments on the SAP Draft A.

\*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 Museum for display purposes with the understanding that it will be cost-neutral to ship to B Reactor.

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, 600-220, 600-40, 600-275, 600-228, OCSA, 600-282, 200-W-147-PL-A).
- On October 11, 2010, Ecology was provided the RAR (DOE/RL-2010-66) and WIDS Reclassification Form for the 600-262 Waste Site for review. Ecology comments received December 2, 2010, comment resolution version anticipated to be returned in January 2011.
- On December 13, 2010, EPA was provided the RAR (DOE/RL-2010-109) and WIDS Reclassification Form for the 600-38 Waste Site for review.
- On December 27, 2010, EPA was provided the RAR (DOE/RL-2010-128) and WIDS Reclassification Form for the 600-222 Waste Site for review.

Schedule Status: On schedule

Regulatory Agency Comments: EPA (Laura Buelow) requests a field tour.

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

- RTD of 216-N-1 Pond is complete. Remaining Sites Verification Package (DOE/RL-2010-64) for the 216-N-1 waste site was submitted for regulatory agency review on September 14, 2010. Comments received from EPA on October 21, 2010; comment resolution version was returned December 15, 2010. Comment resolution was accepted by EPA and final approvals are anticipated to occur in January 2011.
- Excavation of 216-N-4 Pond and 216-N-6 Pond is complete.
- On December 21, 2010, RL provided EPA was provided with the RSVP (DOE/RL-2010-108) and WIDS Reclassification Form for the 216-N-4 Waste Site for review. EPA comments were received and are being incorporated.
- On December 27, 2010, EPA was provided with the RSVP (DOE/RL-2010-111) and WIDS Reclassification Form for the 216-N-6 Waste Site for review. EPA comments were received and are being incorporated.
- Fieldwork at the 600-286 and 600-287 pipelines was completed, and a Notification of Additional Action Taken was reviewed and approved by the EPA on December 31, 2010.

Schedule Status: On schedule

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

- **BCCA North Zone A (~ 140 acres):**  
The RTD cleanup of contaminated soil in Zone A was continued. As of the week of January 17, 2011, ~310,000 tons over ~123 acres, cumulative, have been disposed of at ERDF. Zone A CERCLA post-soil removal verification measurements using a large crystal Sodium Iodide detector mounted on a Kubota utility vehicle were continued.
- **BCCA North Zone B (~3,660 acres):** Approximately 10,000 tons (over ~8 acres, cumulative) of ~19,500 tons (~15 acres) of excavated hot spots (RTD) of contaminated soil have been disposed of at ERDF to date. Approximately 1,683 acres, cumulative, have been radiologically downposted to date. CHPRC has suspended their work in Zone B due to the additional extent of hot spot contamination potentially to be cleaned up and funding issues to be resolved with RL.
- **BCCA South Zone C:** Radiological contamination has been characterized, an ecological survey has been completed, and a cultural survey has been completed to conclude preparation activities prior to the performing the potential cleanup of Zone C. Discussion between RL and CHPRC continues regarding a proposed regulatory approach for the potential cleanup of the zone that, along with any additional CERCLA and other regulatory documents, will be required.

However, the approach has not been finalized and the timing to bring this forward to the regulators for approval has not been established.

- **TPA Change Notice:** EPA continues to review a predecisional draft TPA-CN-386 first provided by RL to Ecology on October 22, 2010 (the CN was transferred from Ecology to EPA in December 2010 due to the reassignment of the regulatory project lead arising from recent TPA changes regarding Central Plateau cleanup projects). The CN proposes addition of an appendix to the previously approved BCCA SAP to address post-removal action verification sampling for hot spot contamination areas in the BCCA North.

Schedule Status: On schedule

Regulatory Agency Comments:

**Multi-Increment Sampling Ecology Lead** (RL – Frank Roddy, CHPRC – Dave Chojnacki)

- The first site of MIS verification sampling is complete. All samples have been delivered to Ecology. Discussion of a second site (heterogeneous) is continuing. The cost estimate is \$3.5M.

Regulatory Agency Comments:

### **Risk Assessment**

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

- CP ERA Data Package Report is being uploaded to IDMS and is being cleared and copied for distribution.
- SAP for collection of ecological data for site-wide PRG development and for characterizing Outer Area waste sites is undergoing internal PRC review prior to distribution to DOE.
- Follow up meeting has been scheduled this month with the Tri-Parties to discuss comments on the draft biointrusion report (CHPRC-00651).
- Revisions are being made to the PRG report to incorporate input from the December SEC meetings, and to incorporate the results of discussions with DOE and WCH about plant and invertebrate PRGs.

Schedule Status:

Regulatory Agency Comments:

**CENTRAL PLATEAU GROUNDWATER****200-ZP-1 Interim Action EPA Lead (RL – Arlene Tortoso, CHPRC – Mark Byrnes)**

- Nine of fourteen groundwater extraction wells are online pumping water at 405 gpm. Extraction well #5 is being kept offline due to low flow. Extraction wells 10 and 13 are offline due to low water levels. Extraction wells #4 and #7 are offline for repairs.
- Extraction wells 299-W11-45 and 299-W11-46 are online pumping water to ETF at a pumping rate of approximately 30 gpm. The reduced flow rate is allowing ETF to perform maintenance activities.

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**

- The week ending December 30, 2010, the project poured approximately 400 cubic yards bringing the project to date to approximately 7,350 cubic yards have been placed.
- Continued inside grading, rough-in electrical, temporary heat, fire protection and power for the Biological Building and the structural steel erection was completed for the Bio Process Building.
- Slab on grade pours were initiated and installation of the fire protection well and dry systems complete in the Bio Process Building.
- Phase I construction of road crossings: the final one hold until transition of extraction well disconnection from ZP-1. (Currently 46 of 47 complete)
- HDPE bonding activities initiated.
- Batch treatability testing for activated carbon to remove Tc-99 and various resins to remove Tc-99 and uranium is complete and summary reports are being prepared to present conclusions. The draft activated carbon report is with RL for review. Comments are due to CHPRC on January 14, 2011.
- Completed the drilling and sampling for 20 of 24 wells needed for the first phase of operation for the 200 West Treatment Facility. Injection well IW-4 recently reached total depth at 519 ft.

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**

- The Draft A 200-UP-1 OU RI and FS Report and Proposed Plan was transmitted to the regulators on September 27, 2010 meeting TPA Milestone M-15-17A. Comments on the RI and FS Report were received from EPA on December 7, 2010. Comments on the Proposed Plan are pending.

Schedule Status: M-015-17A completed

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. All structural fill and 80% of the concrete work for the transfer was completed. Building steel erection was initiated early January.
- DOE is reviewing the Decisional Draft SAP for the drilling of 3 extraction wells and 2 monitoring wells.

Schedule Status: Construction of the extraction system is currently ahead of 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**

- Preparing the 200-BP-5 RI Report.
- The Draft A 200-PO-1 RI Report was transmitted to the Regulators on June 10, 2010 for review. No comments have been received to date. A meeting was held November 22, 2010 for Ecology to discuss general comments/concerns, at which time, Ecology provided a draft comment set. Final Ecology comments are pending.

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**

- EPA and Ecology comments on the Draft A 200-BP-5 Treatability Test Plan were received October 26, 2010 meeting milestone M-015-82A. A redline of the Draft A 200-BP-5 Treatability Test Plan incorporating regulator comments and RCRs were sent to the regulators the week of December 20, 2010 for a final check/concurrence. Verbal concurrence was received by Ecology on January 11, 2011.
- Locations for the planned extraction well and monitoring well for the treatability test were staked.

Schedule Status: M-015-82A completed.

Regulatory Agency Comments:

**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:

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

	December		Cumulative	
	Planned	Completed	Planned	Completed
Decommissioning Total	10	10	213	186

Schedule Status: Continuing with plans to decommission another 175 wells with ARRA funding.

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** *EPA 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** *Ecology 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 EE/CA (Rev. 0, November 2010) was "approved for public release" and posted to the listserv on November 22, 2010, to support the EE/CA's public comment period, which began November 22, 2010, and ended December 27, 2010 (Note: comments received after December 27, 2010, are being addressed). Rev. 0 unintentionally contained blank pages, which were intended to be deleted prior to its public release in November 2010. Subsequently, CHPRC reissued and reprinted in December 2010, the EE/CA (Rev. 1), which is the same document as Rev. 0, with the blank pages deleted. On January 04, 2011, transmitted Rev. 1 to Ecology, EPA, Tribal Nations, the State of Oregon, and the AR et al. The Rev. 1

supports partial completion of Hanford Federal Facility Agreement and Consent Order Milestone M-085-060 "Complete EE/CA report(s) for all Tier 2 facilities listed in Appendix J," as the EE/CA for the 200 West Area Tier 2 facilities has not been prepared and completed.

- The predecisional draft Action Memo arising from the EE/CA continues under internal preparation and review by RL and CHPRC. Planning to provide the document to Ecology and EPA for their initial review by the end of the week of January 24, 2011.
- 200 West Area Tier 2 Facilities EE/CA: Planning continues with schedule details to follow.
- 200 E Tier 2 Facilities EE/CA:
  - The EE/CA (Rev. 0) and its Fact Sheet were finalized the week of November 15, 2010, to support the EE/CA public comment period from November 22, 2010, through December 27, 2010.
  - The AM (Decisional Draft) is in joint review with RL, EPA and Ecology.
  - The 209-E RAWP and SAP (Decisional Drafts) are in joint review with RL, EPA and Ecology

**Final Notes of October 20, 2010, RL/EPA/Ecology/CHPRC D4 Projects Status Meeting  
[2:00 p.m. – 4:00 p.m., PDT, CR 133 (GSA), Federal Building, Richland, Washington]**

**Attachment A**

**Initial Screening Criteria for the 221U Facility Barrier Fill Material  
(Provided by CHPRC on January 10, 2011)**

**Application of Screening Process**

The development of a screening process for the beneficial re-use of concrete rubble as fill material for the U-Plant canyon barrier (as part of the 221U Facility remedial action) was discussed on October 13, 2010, between EPA, DOE-RL and CH2M Hill Plateau Remediation Contract (CHPRC) personnel. This discussion resulted in agreement on the following principles in evaluating materials acceptable for use as fill material beneath the barrier:

- All materials will meet the background and groundwater protection criteria as described below. Bounding criteria will be developed for chemicals and radionuclides on a case by case basis for each candidate material being evaluated for barrier fill.
- Fill materials that meet the background or MTCA screening levels can be received at the 221U Facility now with the understanding that the bounding criteria (including radionuclides) described below will be developed, e.g., the 100-K sedimentation basin concrete rubble, the 600-275 Igloo foundation concrete and the 107-C rubble. Materials that meet these criteria would be placed adjacent to the 221U structure or stored within a staging area within the U-Plant area. Known waste sites adjacent to the 221U structure would be restricted (barricaded) from the placement of fill material until the below mentioned sampling program is completed, the results evaluated as described below, and is in compliance with the “checkbook” approach also described below.
- Materials with contaminant levels within background values, as defined in DOE/RL-92-24 Vol. 1, REV. 4, Summary Table. 2 Hanford Sitewide Background Data, Percentiles and Upper Confidence Limits, would be documented and included in subsequent evaluations/analysis. Note: New data on soil background values of analytes (e.g., cadmium, selenium) not previously measured or inadequately detected in the Hanford Site Soil Background data set (DOE/RL-92-24), is underway. In the interim, recommended provisional background values for these analytes will be documented in a CHPRC Environmental Calculation document. Materials that meet the MTCA screening levels defined in 173-340-747 (3)(a) will be documented and included in the subsequent evaluations/analysis. (Note: The use of the provisional background values will only be allowed after they have been approved by DOE and EPA and have been added to the screening criteria in the form of a table.)
- Soil concentrations protective of groundwater will be developed and evaluated using a graded approach. Screening of chemical concentrations against the soil-water partitioning equation WAC 173-340-747, Equation 747-1 (MTCA) will be the first step in this approach. For concentrations above the screening values and for radionuclides, a site-specific conservative STOMP 1-D model will be used to evaluate groundwater impacts and determine soil concentration values protective of groundwater. The evaluation/analysis will utilize a threshold contaminant concentration level in soil that would yield the maximum contaminant levels (MCLs) in groundwater, where an MCL value is available. For COCs with no promulgated MCL, MTCA method B groundwater cleanup level will be used as target concentrations.

**Final Notes of October 20, 2010, RL/EPA/Ecology/CHPRC D4 Projects Status Meeting  
[2:00 p.m. – 4:00 p.m., PDT, CR 133 (GSA), Federal Building, Richland, Washington]**

- Materials would be evaluated on an individual basis, using a “checkbook” type of approach of ensuring each evaluation takes into account the results from previous evaluations. At present a pre-existing mass of contamination is not known. A sampling program is currently being designed to develop a radiological and chemical characterization for waste sites which are located partially or wholly within area initially identified in the 221U Facility ROD as the U Plant barrier footprint. The results of the sampling effort would be used to determine existing mass and would be utilized to determine the maximum concentrations of constituents allowable under the barrier with no impacts to groundwater. In addition the sampling program will be used in the in the development and the design features for the 221U Barrier.
- Materials identified with no radiological contamination would be evaluated and notifications would be made to the agencies (RL and EPA) of the results and estimated volume.
- Materials identified with radiological contamination above background would require approval from the EPA. Determination of radiological contamination could be made with either field instrumentation or laboratory analysis. Radiological levels from field instrumentation will be converted from counts per minute to picocuries per gram with density of the rubble taken into consideration and will be evaluated as described above.
- Materials from the Hanford Site are potential candidates for re-use as fill material.

This initial version of the screening criteria provides the basis for evaluating each potential candidate for re-use material below the U-Canyon barrier. It is to be utilized on a case-by-case basis until such time as the technical basis for screening material is further refined in accordance with the RD/RA Work Plan requirement for the acceptance criteria for barrier fill material that will be approved by the DOE and EPA. Additional sampling of the existing waste sites located adjacent to the 221U Facility (U-Canyon) will need to be performed prior to development of the acceptance criteria for the RD/RA Work Plan to establish a baseline of potential groundwater impacts. This effort is currently underway with the development of a characterization SAP for those waste sites, and until such effort is completed, each potential candidate rubble material and associated contaminant(s) will be evaluated as described in this initial version of the screening criteria.

**From:** Williams, Janice D  
**To:** Gibson, Gayleyn G  
**Subject:** Agreement for 200A PMM  
**Date:** Monday, January 17, 2011 1:13:19 PM  
**Attachments:** Image001.png  
M-24 attachments\_2010\_Dec\_02\_2010\_with\_1\_modified\_well\_line\_63.docx

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**From:** Williams, Janice D  
**Sent:** Monday, January 17, 2011 9:06 AM  
**To:** Luttrell, Stuart P; Black, Dale G  
**Cc:** McDonald, John P (CHPRC); Hildebrand, Doug D; Wright, Christopher S  
**Subject:** RE: New RCRA Wells at S-SX

Stuart,

John W. and I worked this out and the changes will be documented in the 200A PMM. SO...please confirm that you want me to enter an "Agreement" into the record that states:

It is agreed that for the TPA M-24 well # 63, the well that was designed to have replaced 299-W22-26, has been replaced with a well to replace well 299-W22-44. Please see the attached updated list, Attachment X, titled *Attachment 1 CY 2011- cy2013 Monitoring Wells*.

Dale,

Please send me the TPA CR that said we are going to just document these changes in the AR from now on.

Thanks,  
Janice

Janice Williams  
Integration Management  
Environmental Program & Strategic Planning  
509.372.3553 - office  
509.539.5379 - cell



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**From:** Luttrell, Stuart P  
**Sent:** Tuesday, November 16, 2010 9:40 AM  
**To:** Hildebrand, Doug D; Black, Dale G  
**Cc:** McDonald, John P (CHPRC); Wright, Christopher S; Luttrell, Stuart P  
**Subject:** Re: New RCRA Wells at S-SX

This message documents that Doug Hildebrand and I met and agreed to switch the M-24 well that would have replaced 299-W22-26 with a well to replace well 299-W22-44, as discussed below. Doug asked me to document our meeting agreement via email.

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**From:** Luttrell, Stuart P  
**Sent:** Monday, November 15, 2010 03:06 PM  
**To:** Hildebrand, Doug D; Black, Dale G  
**Cc:** McDonald, John P (CHPRC); Luttrell, Stuart P; Wright, Christopher S  
**Subject:** RE: New RCRA Wells at S-SX

Doug, Dale,

Note that we will likely be requesting another change to M-24 specific well location. CERCLA will be installing a well near W22-26, so we don't need a new one at that location for RCRA. John McDonald suggests moving the replacement for W22-44 up to next year (this Fiscal Year). The change we will request is shown below.

63	TBD	RCRA	TBD	RCRA	SST S-SX	Monitor RCRA Facility - SST S-SX Near 299-W22-44_26 Downgradient	FY2011	CY 2013 M-24 Well
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Let John or me know if you have questions.

Stuart Luttrell  
Manager, RCRA Monitoring and Reporting  
Soil and Groundwater Remediation Project  
CH2M Hill Plateau Remediation Company  
(509) 376-4531  
(509) 438-0775 (cell)

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**From:** Luttrell, Stuart P  
**Sent:** Wednesday, November 03, 2010 9:32 AM  
**To:** Hildebrand, Doug D  
**Cc:** McDonald, John P (CHPRC); Luttrell, Stuart P  
**Subject:** FW: New RCRA Wells at S-SX

Doug,

See the note from John McDonald. Do you agree with installing the W22-44 replacement well, or are there other TSDs we should consider? I think there will be a meeting soon to discuss the planned CERCLA extraction wells, probably with Naomi, John Morse, and yourself and we

could discuss this at that time.

*Stuart Luttrell*  
Manager, RCRA Monitoring and Reporting  
Soil and Groundwater Remediation Project  
C112M Hill Plateau Remediation Company  
(509) 376-4531  
(509) 438-0775 (cell)

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**From:** McDonald, John P (CHPRC)  
**Sent:** Tuesday, November 02, 2010 3:40 PM  
**To:** Luttrell, Stuart P  
**Subject:** New RCRA Wells at S-SX

Stuart,

For this fiscal year, there are two wells planned to be installed under RCRA at WMA S-SX: one as a replacement well for 299-W22-48 and the other a replacement well for 299-W22-26 (both wells are going dry). At a UP-1 meeting this afternoon, it was decided that the replacement well for 299-W22-26 would be designed and constructed this fiscal year as a CERCLA extraction well and will be funded by CERCLA. Thus, we need to choose another RCRA well to install. I propose that we drill a RCRA replacement well for 299-W22-44 instead. This well is a near-field downgradient well for the S Tank Farm plume and exhibits the highest contaminant concentrations in this plume. It currently has about 5 ft of water left, but when pumping begins at a nearby CERCLA extraction well, I expect 299-W22-44 may become dry. Thus, I think it's the next highest priority for a replacement well at S-SX. What do you think?

John M.

**Attachment 1**  
**CY 2011 - CY 2013 Monitoring Wells**

#	Well ID	OU/Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
1	C7505	100-BC-5	199-B5-5	Support 100-BC-5 R1/FS	100-B	Monitoring Well	Accepted 2/25/10	CY 2011 M-24 Well
2	C7506	100-BC-5	199-B3-50	Support 100-BC-5 R1/FS	100-B	Monitoring Well	Accepted 2/25/10	CY 2011 M-24 Well
3	C7507	100-BC-5	199-B5-6	Support 100-BC-5 R1/FS	100-B	Monitoring Well	Accepted 2/25/10	CY 2011 M-24 Well
4	C7665 replaced C7508	100-BC-5	199-B2-14 replaces 199- D8-9	Support 100-BC-5 R1/FS	100-B	Monitoring Well	Accepted 2/25/10	CY 2011 M-24 Well
5	C7514	200-BP-5	299-E24-25	200-BP-5	Well L	Obtain Data Supporting the CERCLA R1/FS Process	Accepted 3/23/10	CY 2011 M-24 Well
6	C7515	200-BP-5	299-E28-30	200-BP-5	Well M	Obtain Data Supporting the CERCLA R1/FS Process	Accepted 3/23/10	CY 2011 M-24 Well
7	C5860	200-BP-5	299-E29-54	BP5-12	Well K	Obtain Data Supporting the CERCLA R1/FS	Accepted 3/23/10	CY 2011 M-24 Well
8	C7439	100-NR-2	199-N-349	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 3/8/2010	CY 2011 M-24 Well
9	C7440	100-NR-2	199-N-348	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 3/8/2010	CY 2011 M-24 Well
10	C7441	100-NR-2	199-N-347	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 3/8/2010	CY 2011 M-24 Well
11	C7442	100-NR-2	199-N-346	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 3/8/2010	CY 2011 M-24 Well
12	C7443	100-NR-2	199-N-350	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 2/9/2010	CY 2011 M-24 Well
13	C7444	100-NR-2	199-N-351	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 2/9/2010	CY 2011 M-24 Well
14	C7445	100-NR-2	199-N-352	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 2/9/2010	CY 2011 M-24 Well
15	C7446	100-NR-2	199-N-353	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 3/25/2010	CY 2011 M-24 Well
16	C7447	100-NR-2	199-N-354	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 3/25/2010	CY 2011 M-24 Well
17	C7448	100-NR-2	199-N-355	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 3/25/2010	CY 2011 M-24 Well
18	C7449	100-NR-2	199-N-356	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 3/25/2010	CY 2011 M-24 Well
19	C7450	100-NR-2	199-N-357	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 3/25/2010	CY 2011 M-24 Well
20	C7451	100-NR-2	199-N-358	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 3/25/2010	CY 2011 M-24 Well
21	C7452	100-NR-2	199-N-359	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 4/29/2010	CY 2011 M-24 Well

NOTE: This well listing can be modified with agreement by the Parties at the Project Manager level.

**Attachment 1**  
**CY 2011 - CY 2013 Monitoring Wells**

#	Well ID	OU/Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
22	C7453	100-NR-2	199-N-360	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 4/29/2010	CY 2011 M-24 Well
23	C7454	100-NR-2	199-N-361	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 4/29/2010	CY 2011 M-24 Well
24	C7455	100-NR-2	199-N-362	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 4/15/2010	CY 2011 M-24 Well
25	C7456	100-NR-2	199-N-363	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 4/15/2010	CY 2011 M-24 Well
26	C7457	100-NR-2	199-N-364	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 4/15/2010	CY 2011 M-24 Well
27	C7458	100-NR-2	199-N-365	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 4/15/2010	CY 2011 M-24 Well
28	C7459	100-NR-2	199-N-366	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 4/15/2010	CY 2011 M-24 Well
29	C7463	100-NR-2	199-N-367	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 4/15/2010	CY 2011 M-24 Well
30	C7571	RCRA	299-E27-25	SST WMA C	241-C Farm	RCRA SST WMA CWell	FY 2010	CY 2011 M-24 Well
31	C7564	RCRA	299-E33-265	WMA-1 #1	200-E WMA 1	RCRA WMA Well replaces dry C7566	FY 2010	CY 2012 M-24 Well
32	C7565	RCRA	299-E33-266	WMA-1 #2	200-E WMA 1	RCRA WMA Well	FY 2010	CY 2012 M-24 Well
33	C7566	RCRA	299-E34-13	WMA-1 #3	200-E WMA 1	RCRA WMA Well - Decommissioned - Not enough water	FY 2010 Decommissioned	CY 2012 M-24 Well
34	C7570	RCRA	299-E27-24	SST WMA C	241-C Farm	RCRA SST WMA CWell	FY 2010	CY 2012 M-24 Well
35	C7664	RCRA	299-W22-89	SST WMA S/SX #1	241-S Farm	RCRA SST WMA S/SX Well	FY 2010	CY 2012 M-24 Well
36	C7790	100-FR-3	199-F5-52	Support 100-FR-3 RI/FS	100-F	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010	CY 2012 M-24 Well
37	C7791	100-FR-3	199-F5-53	Support 100-FR-3 RI/FS	100-F	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010	CY 2012 M-24 Well
38	C7792	100-FR-3	199-F5-54	Support 100-FR-3 RI/FS	100-F	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010	CY 2012 M-24 Well
39	C7508	100-BC-5	199-B8-9	Support 100-BC-5 RI/FS	100-B	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well
40	C7783	100-BC-5	199-B2-15	Support 100-BC-5 RI/FS	100-B	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well
41	C7784	100-BC-5	199-B2-16	Support 100-BC-5 RI/FS	100-B	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well
42	C7785	100-BC-5	199-B3-51	Support 100-BC-5 RI/FS	100-B	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well
43	C7786	100-BC-5	199-B4-14	Support 100-BC-5 RI/FS	100-B	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well

**Attachment 1  
CY 2011 - CY 2013 Monitoring Wells**

#	Well ID	OU/Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
44	C7787	100-BC-5	199-B5-7	Support 100-BC-5 RI/FS	100-B	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well
45	C7683	100-KR-4	199-K-183	100-KR-4 RI/FS #1	100-K	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well
46	C7684	100-KR-4	199-K-184	100-KR-4 RI/FS #9	100-K	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well
47	C7685	100-KR-4	199-K-185	100-KR-4 RI/FS #7	100-K	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well
48	C7686	100-KR-4	199-K-186	100-KR-4 RI/FS #10	100-K	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well
49	C7687	100-KR-4	199-K-187	100-KR-4 RI/FS #2	100-K	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well
50	C7688	100-KR-4	199-K-188	100-KR-4 RI/FS #11	100-K	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well
51	C7689	100-KR-4	199-K-189	100-KR-4 RI/FS #12	100-K	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well
52	C7690	100-KR-4	199-K-190	100-KR-4 RI/FS #8	100-K	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well
53	C7691	100-KR-4	199-K-191	100-KR-4 RI/FS #3	100-K	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well
54	C7692	100-KR-4	199-K-192	100-KR-4 RI/FS #4	100-K	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well
55	C7693	100-KR-4	199-K-193	100-KR-4 RI/FS #5	100-K	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well
56	C7694	100-KR-4	199-K-194	100-KR-4 RI/FS #6	100-K	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well
57	C7695	100-KR-4	199-K-195	100-KR-4 RI/FS #13	100-K	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well
58	C7657	300-FF-5	399-1-58	300-FF-5 #1	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well
59	C7658	300-FF-5	399-6-3	300-FF-5 #2	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well
60	C7659	300-FF-5	399-1-59	300-FF-5 #3	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2012 M-24 Well
61	TBD	RCRA	TBD	RCRA	LERF	LERF Monitoring Well - North of facility	FY2011	CY 2013 M-24 Well
62	TBD	RCRA	TBD	RCRA	NRDWL/SWL	Monitor NRDWL/SWL - Replace Dry Well 699-25-34C - Downgradient	FY2011	CY 2013 M-24 Well
63	TBD	RCRA	TBD	RCRA	SST S-SX	Monitor RCRA Facility - SST S-SX Near 299-W22-26 <del>44</del> Downgradient	FY2011	CY 2013 M-24 Well
64	TBD	RCRA	TBD	RCRA	SST S-SX	Monitor RCRA Facility - SST S-SX Near 299-W22-48 Downgradient	FY2011	CY 2013 M-24 Well

**Attachment 1**  
**CY 2011 - CY 2013 Monitoring Wells**

#	Well ID	OU/Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
65	TBD	RCRA	TBD	RCRA	SST-U <u>LLWMA-3</u>	Monitor RCRA Facility SST-U - Near 299-W48-30 - Downgradient <u>Monitor Mixed-Waste Trenches 31 and 34. Up-gradient</u>	FY2011	CY 2013 M-24 Well
66	C7653	300-FF-5	399-1-54	300-FF-5 #4	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
67	C7654	300-FF-5	399-1-55	300-FF-5 #5	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
68	C7655	300-FF-5	399-1-56	300-FF-5 #6	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
69	C7656	300-FF-5	399-1-57	300-FF-5 #7	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
70	C7660	300-FF-5	399-2-32	300-FF-5 #8	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
71	C7661	300-FF-5	399-6-4	300-FF-5 #9	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
72	C7662	300-FF-5	399-4-15	300-FF-5 #10	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
73	C7663	300-FF-5	399-3-33	300-FF-5 #11	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
74	C7620	100-HR-3	199-D3-5	100-HR-3 #1	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
75	C7621	100-HR-3	199-D5-133	100-HR-3 #2	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
76	C7622	100-HR-3	199-D5-132	100-HR-3 #3	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
77	C7623	100-HR-3	199-D6-3	100-HR-3 #4	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
78	C7624	100-HR-3	199-D5-134	100-HR-3 #5	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
79	C7625	100-HR-3	199-D5-141	100-HR-3 #15	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
80	C7626	100-HR-3	199-H3-6	100-HR-3 #6	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
81	C7627	100-HR-3	199-H3-7	100-HR-3 #7	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
82	C7628	100-HR-3	199-H6-3	100-HR-3 #8	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
83	C7629	100-HR-3	199-H6-4	100-HR-3 #9	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
84	C7630	100-HR-3	199-H1-7	100-HR-3 #10	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well

**Attachment 1**  
**CY 2011 - CY 2013 Monitoring Wells**

#	Well ID	OU/Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
85	C7631	100-HR-3	199-H2-1	100-HR-3 #11	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
86	C7639	100-HR-3	199-H3-9	100-HR-3 #13	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
87	C7640	100-HR-3	199-H3-10	100-HR-3 #14	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
88	C7866	100-HR-3	199-D5-140	100-HR-3 #12	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
89	TBD	100-HR-3	TBD	100-HR-3 #1	100-HR-3	Compliance Wells Supporting RPO Ten Wells	FY 2011	CY 2013 M-24 Well
90	TBD	100-HR-3	TBD	100-HR-3 #2	100-HR-3	Compliance Wells Supporting RPO Ten Wells	FY 2011	CY 2013 M-24 Well

**From:** [Williams, Janice D](mailto:Williams,Janice.D)  
**To:** [Gibson, Gayelvn G](mailto:Gibson,Gayelvn.G)  
**Subject:** FW: Extension for 30 Days for Comment Resolution on the Hexone Storage and Treatment Facility (HSTF) Closure Plan  
**Date:** Thursday, January 20, 2011 7:01:18 AM

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-----Original Message-----

From: Leary, Kevin [<mailto:Kevin.Leary@rl.doe.gov>]  
Sent: Thursday, January 20, 2011 6:56 AM  
To: Williams, Janice D  
Cc: Melton, Caroline F  
Subject: FW: Extension for 30 Days for Comment Resolution on the Hexone Storage and Treatment Facility (HSTF) Closure Plan

Please enter this into the Administrative Record during the PMM.

Kevin D. Leary-

Hydrogeologist/Hydrologist/Certified Professional Soil Scientist

Tech Lead on: NRDWL/SWL Closure; CX/Hexone Tanks Closures; U-Plant Waste Sites; Hanford Barrier; Borrow Source Materials; and NRDA Restoration TWG  
U.S. Dept. of Energy-Richland  
(509)-373-7285 (p) (509)-372-1926 (fax)  
E Mail: [kevin.leary@rl.doe.gov](mailto:kevin.leary@rl.doe.gov)

"The only thing necessary for the triumph of evil is for good men to do nothing." --Sir Edmund Burke  
"If you do the same thing over and over again, you cannot ever expect a different outcome." --Albert Einstein

-----Original Message-----

From: Menard, Nina (ECY) [<mailto:nmen461@ECY.WA.GOV>]  
Sent: Tuesday, January 11, 2011 4:44 PM  
To: Leary, Kevin  
Cc: Melton, Caroline F; Kaldor, Reed A; Ruck, Fred A III; Welsch, Kim (ECY); Walmsley, Mign (ECY); Price, John (ECY); Whalen, Cheryl <Alert>  
Subject: RE: Extension for 30 Days for Comment Resolution on the Hexone Storage and Treatment Facility (HSTF) Closure Plan

Kevin,

Ecology approves the extension request for the Hexone Storage and Treatment Facility Closure Plan to February 11, 2011.

Nina M. Menard  
Project Manager  
Environmental Restoration  
WA State Dept. of Ecology  
(509) 372-7941  
(509) 420-6839

-----Original Message-----

From: Leary, Kevin [<mailto:Kevin.Leary@rl.doe.gov>]  
Sent: Tuesday, January 11, 2011 9:59 AM

To: Menard, Nina (ECY)  
Cc: Melton, Caroline F; Kaldor, Reed A; Ruck, Fred A III; Welsch, Kim (ECY); Walmsley, Mign (ECY);  
Leary, Kevin  
Subject: RE: Extension for 30 Days for Comment Resolution on the Hexone Storage and Treatment  
Facility (HSTF) Closure Plan

Nina-this is a request (per our January 4th, 2011 teleconference) for an extension of 30 days (per figure 9-2 in the Hanford Federal Facility Agreement and Consent Order), to February 11, 2011, for the RCR comment responses for Closure Documents for the Hexone Storage and Treatment Facility (HSTF) in the 200 West Area (Closure Plan, Sap, SEPA Checklist and LDR variance petition). On October 15, 2010 a letter was transmitted from the State of Washington Department of Ecology to DOE with your attached comments on the HSTF closure plan.

The request for the 30 day extension is based on the following:

1. To consider withdrawal of the LDR variance petition based on the regulatory designation of the tank waste as debris (awaiting response from Ecology who is presently evaluating the feasibility of implementing this option)
2. The nature and extent of Ecology comments
3. To ensure consistency of the Closure Plan, SAP and LDR Variance (if submitted)

If approved, this e-mail will be submitted into the administrative record at the next UMM. If you have any additional questions concerning this request for extension, please contact me.

Thanks for your consideration

Kevin D. Leary-

Hydrogeologist/Hydrologist/Certified Professional Soil Scientist

Tech Lead on: NRDWL/SWL Closure; CX/Hexone Tanks Closures; U-Plant Waste Sites; Hanford Barrier; Borrow Source Materials; and NRDA Restoration TWG U.S. Dept. of Energy-Richland  
(509)-373-7285 (p) (509)-372-1926 (fax) E Mail: kevin.leary@rl.doe.gov

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