

0082944

**DISTRIBUTION**  
**PROJECT MANAGERS' MEETING,**  
**200 AREA GROUNDWATER SOURCE OPERABLE UNITS**  
**August 20, 2009**

DOE/RL

(No hard copy distribution)

EPA

Dennis Faulk

B1-46

Ecology

Les Fort

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Meeting Minutes Transmittal/Approval  
Project Managers' Meeting  
200 Area Groundwater and Source Operable Units  
August 20, 2009

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APPROVAL: Frank Roddy DATE: 8/20/09  
Frank Roddy, 200 Area Project Manager, DOE/RL  
Delegate for Al Farabee, DOE/RL

APPROVAL: Briant Charboneau DATE: 8/20/09  
Briant Charboneau, 200 Area Unit Manager, DOE/RL

APPROVAL: Dennis Faulk DATE: 8/20/09  
~~Craig Cameron~~, 200 Area Project Manager, EPA  
Dennis Faulk

APPROVAL: Les Fort DATE: 8/20/09  
Les Fort, 200 Area Project Manager, Ecology

HFFACO Action Plan Section 4.1 requires signature of agreements and commitments made during the Project Manager Meeting. Approval of these minutes documents approval of agreements and commitments documented in Attachment 4 to these minutes. Approval does not apply to any other attachments, which are included in these minutes for informational purposes.

**Minutes of the 200 Area Project Managers' Meeting of August 20, 2009 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>TPA-CN-287</b>

200 Area Project Managers' Status Meeting  
August 20, 2009

Please print clearly and use black ink

PRINTED NAME	ORGANIZATION	O.U. ROLE	TELEPHONE
Tiffanie Arnold	CHPRC	Admin	3763344
Janice Williams	CHPRC	Facilitator	3723553
John Morse	<del>CHPRC</del> <sup>DOE</sup> RL	DOE ACP	376-0057
Bryant Charbonneau	RL	DOE	3-6137
Greg Sutton	RL	DOE my	3-7939
Arlene Tortoso	RL	200-Area	373-9631
Dan McDonald	ECY	ECY Rep	372-7988
Shelley Simon	ODOE		963-0853
Dennis Felt	GOA		
LES FOLT	ECY		372-7984
Al Donelson	WOOD		727-0110
DL Foss	PRC		554703
Rod Lobos	EPA		
Jim Hansen	DOE		376 4648
Wade Wooley	DOE/RL		372 2889
Michelle Mandis	SCM	Acting TPA Manager	2-7970
RD M. Debrauk	DOE	DOE-RL	373-9626
Frank Raddy	DOE	Central Platform	372-0945
Dib Goswami	Ecology		372-7902
Zelma Jackson	"		372-3910

**200 Area Project Managers' Meeting  
Agreements and Issues List  
August 20, 2009**

**Agreement:** TPA-CN-287 DOE/RL-2000-40, *Waste Management Plan for the Expedited Response Action for 200 West Area Carbon Tetrachloride Plume and the 200-ZP-1 and 200-PW-1 Operable Units, Revision 8.*

**Issue:** None identified.

**Delegations for August 20, 2009 PMM meeting:**

EPA	Craig Cameron
Ecology	Les Fort-
DOE/RL	Arlene Tortoso Frank Roddy- Delegate for Al Farabee

200 Area Project Managers' Meeting  
August 20, 2009

Attachment 3  
CHPRC-0900225.4

OPEN ACTION ITEM TRACKING

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

## 200 AREA PROJECT AUGUST STATUS UPDATES

August 20, 2009

### Central Plateau Geographic Remediation

#### **Key Facility Negotiations** (RL: Al Farabee) – (Tina Crane)

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

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

Regulator Comments

EPA suggests we extend the negotiation period past August 30<sup>th</sup>.

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

- Funding has been identified for MIS Pilot Test Project.

**Schedule Status:** Compiling documentation from previously performed work at 216-S-19. Currently have an approved SAP, WCP, and HASP. Have queries out for RWP and Excavation permits. In the process of organizing a sampling team for pre-surveys.

Regulator Comments

EPA requests being included in the MIS actions.

**U-Zone Remediation**

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

- Samples of the crust layer, liquid and core from the D-10 Tank in 221-U Cell 30 have been transported to the laboratory and are being analyzed. Initial data expected by end of August 2009 with final data report expected in September.

**Schedule Status:** Canyon work activities on schedule.

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

- D&D operations are ongoing. The tanks in 211-U and 211-UA have been demolished, and the sites have been demobilized. Demolition preparation, such as application of fixative, and asbestos removal activities in 224-U/UA and 203-UX are ongoing.

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

Regulator Comments
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**200-UW-1**

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

**200 North Remediation**

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

- Demolition of each individual basin will be completed after the superstructure has been demolished. According to the current schedule, the last basin, 212-P, is to be demolished by September 8, 2009.
- The 212-N superstructure has been demolished and demolition of the basin has begun.
- The 212-R superstructure has been demolished.
- Excavation work has begun on 212-P, although the superstructure is intact.

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

Regulator Comments

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

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

**Schedule Status:** On schedule.

Regulator Comments

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

- Two options identified in the study are currently being investigated
  - Potential re-use of some or all of the cars.
  - Utilization of the ERDF ROD Amendment and the necessary documentation needed for the disposition purposes.
- Initial investigation of each rail car has begun to identify characterization activities needed to comply with disposition activities.

**Schedule Status:** TBD.

**Regulator Comments**

EPA stated an EE/CA is required to dispose of the railcars in ERDF. Check to see if the last ROD amendment included railcars.

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

- RL providing comments on the report summarizing soil removal activities performed in FY 2008 in the BCCA Northern Part, Zone A. The report is expected to take the form of a status report rather than a formal Interim On Scene Coordinator Report.
- Only July 14, 2009, provided draft TPA Change Notices 283 (BCCA RAWP) and 285 (BCCA SAP Appendix) to Ecology for review.
- Preparations continue to restart contaminated soil removal activities in the BCCA Northern Part, Zone A, in August 2009.

**Schedule Status:** On Schedule.

**Regulator Comments**

**Central Plateau Groundwater and Source Operable Units**

**200-UP-1 Ecology Lead (RL: Arlene Tortoso) – (Curtis Wittreich)  
(M-15-17A, 11/30/10, Combined Remedial Investigation/Feasibility Study Report, and Proposed Plan)**

- Combined RI/FS Report:
  - Preparation of the RI/FS report continues. A briefing on the status of the RI/FS report was held Tuesday, July 14, 2009. An additional briefing on the approach to contaminant fate and transport modeling is being planned for August 27<sup>th</sup>.
- Remedial Design/Remedial Action Work Plan (RD/RAWP):
  - A draft of Revision 3 to the 200-UP-1 OU Interim RD/RAWP was revised to incorporate DOE review comments.. The RD/RAWD is being revised to implement the approved Explanation of Significant Difference (ESD), and to include a preliminary design for a pump and treat system for the Tc-99 plumes at WMA S-SX consistent with proposed milestone M-016-120. The draft is scheduled to be delivered to the regulators by August 24, 2009. Ecology and DOE agreed that a new TPA milestone change package is not warranted for this revision to the RD/RAWP.
- Pump and Treat
  - 200-UP-1 interim action pump-and-treat system in the vicinity of U Plant is in operation with two extraction wells.

**Schedule Status:** The Draft A combined Remedial Investigation/Feasibility Study Report is scheduled to be completed by June 2010. Proposed Milestone M-15-17A requires submittal of the Draft A Combined Remedial Investigation/Feasibility Study Report and Proposed Plan by 9/30/2010.

Regulator Comments:

**200-ZP-1 EPA Lead** (RL: Arlene Tortoso) – (Mark Byrnes)

## Remediation Treatment Status:

- Currently all 11 of 14 groundwater extraction wells are on line pumping water at a rate of approximately 225 gpm. Extraction well 299-W15-44 is offline as it will be replaced by new extraction well C7017 (EW-1). Two other extraction wells are having minor difficulties and will be back on line soon.
- Extraction wells W11-45 and W11-46 are both on line pumping water to ETF at a rate of approximately 45 gpm.
- Drilling of new extraction wells EW-1 (C7017), EW-2 (C7018), and EW-3 (C7021) are now complete. Drilling has started on new extraction wells EW-4, EW-5, and EW-19. Well EW-4 has just now contacted groundwater.
- Resin testing is ongoing at the Corvallis laboratory to determine the amount of carbon tetrachloride that the Purolite A530E and SIR 1200 resins will uptake.
- The Re-Issue of Rev. 0 of the Remedial Design/Remedial Action Work Plan was delivered to EPA. EPA recently released a letter approving this document.
- Design work for the 200-West Area Groundwater Treatment System is on schedule. The 60% design review for balance of plant is now complete. The 60% design review for the 200-West Area Facility is scheduled for August 19<sup>th</sup> and 20<sup>th</sup>.
- Continuing work on the RCRA/CERCLA/AEA Integrated Groundwater Monitoring Plan for the 200-West Area.

**Schedule Status:** On schedule.

Regulator Comments

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

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

**Soil Vapor Extraction System (SVE):**

- Monthly monitoring results for July 2009 for the soil vapor probes and wells were consistent with the results from previous monitoring.
- Two new SVE units are operating at Z-1A and Z-9. Fans were recently installed in the SVE units and other upgrades to keep gas chromatographs cool. The units successfully ran through the weekend without any problems.
- During the first three weeks of July 2009, average flow rates during operation at each SVE system were 208 and 173 cubic feet per minute.

**Schedule Status:** No Status.

Regulator Comments

**Deep Vadose Treatability Test M-15-53 (RL: John Morse) – (Glen Chronister)****(M-15-53, 6/30/2009, Begin field test activities for Desiccation field Testing at 200-BC-1 (BC Cribs) for Tc-99 remediation) and****(M-15-54, 1/31/2010, Submit report on Reactive Gas testing for sequestration of Uranium that will support remedial action decision making)**

- Characterization Testing:
  - Characterization Testing was completed on 7/28/09. Data has been downloaded from the data loggers and is being reviewed by the PNNL and CH2MHill project team. This data will be used to write the test report and design the full scale Pilot Test.
- Desiccation Lab Testing (PNNL):
  - Laboratory experiments supporting pilot test design continue. Tests focus on tracer gas use, evaluation of desiccation in heterogeneous media, and incorporation of results into flow and transport modeling. All testing and associated report on schedule to conclude by end of September of 09.
- Uranium Sequestration Testing (PNNL):

- PNNL has dosing and mobility extraction testing of all the test columns. PNNL is now in the process of evaluating the lab data and drafting the associated test report. This report supports a TPA milestone due on January 31, 2010.
- Surface Barrier Study (PNNL):
  - PNNL has completed their analysis (a comprehensive review of documents that have already been generated and will emphasize gap analysis and recommendations) and have initiated drafting a report documenting their study. This report is scheduled to be complete by September of 09.

**Schedule Status:** On schedule to meet TPA milestone.

Regulator Comments

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

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

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

Regulator Comments

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

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

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

Regulator Comments

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

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

**Schedule Status:** The M-15-08-07 TPA change package was signed August 11, 2009 and maintains the M-15-38B FS/PP due date of 11/30/10. The change package issued for public comment had a proposed due date of 9/30/11, but this was revised to the original date (11/30/10), with a scope change to limit the scope to the outer area waste sites.

Regulator Comments

**200-BC-1 EPA Lead** (RL: Greg Sinton) - (Mike Hickey)

**(M-15-51, 4/30/10, Feasibility Study/Proposed Plan)**

- Delivered Draft A of the TTR to DOE.
- Initiated the DQA for the 200-BC-1 recently collected data.
- DOE and EPA signed TPA Change Package M-15-08-07. This Change moved the TPA date for the FS and PP to 9/30/10.

**Schedule Status:** On schedule.

Regulator Comments

**200-SC-1 EPA Lead** (RL: Greg Sinton) – (Mike Hickey)

**(M-15-40E, 12/31/10, Feasibility Study/ Proposed Plan for 200-SC-1)**

- Data Quality Assessment of the supplemental characterization data is complete.

**Schedule Status:** The project activities funded for this OU in FY09 are related to completing FY08 field activities and consolidating project information and actions to date. A change package that addresses the 200 SC-1 schedule is planned to be prepared by 12/31/09 as specified in the M-15-40E interim milestone.

Regulator Comments

**200-UW-1 Ecology Lead** (RL: Kevin Leary) – (Marty Doombos)

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

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

Regulator Comments

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

- **241-CX Tank** System Closure Plan transmitted to the Ecology December 22, 2008.
- On June 9, 2009 DOE and Ecology agreed on final changes to the CX Tank System Closure Plan. Technical editing has been completed and the document will be issued this month.

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

Regulator Comments:

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

**216-B-12 and 216-C-1 Boreholes:** No Change from last month.

**Schedule Status:** Field work planning continued. The SAFs have been generated and finalized.

Regulator Comments

**200-BP-5 EPA Lead** (RL: Doug Hildebrand) – (Curtis Wittreich)  
**(M-15-21A, 10/31/10, Feasibility Study/Proposed Plan)**

- Remedial Investigation:
  - 200-BP-5 Conceptual Transport Model Report for the WMA B/BX/BY and surrounding area is being drafted by PNNL and will focus on uranium and technetium-99 contaminant transport.
  - Planning activities continue for drilling the K, L, and M wells.

**Schedule Status:** An initial draft of the 200-BP-5 Conceptual Transport Model Report is planned to be compiled by August 2009. Drilling of the K well is scheduled to start September 2009. The Draft A Feasibility Study and Proposed Plan are scheduled to be completed by 12/31/2012 consistent with TPA Change Number M-16-08-07.

Regulator Comments

**200-PO-1 Ecology Lead** (RL: Doug Hildebrand) – (Curtis Wittreich)

- Remedial Investigation:
  - Collected 21 groundwater samples out of 27 available groundwater wells planned for decommissioning (200-PO-1 OU Work Plan Appendix A Table A3-3) as of August 7, 2009. One well was found to be dry, leaving five wells to be sampled. Extreme Fire Danger concerns are impacting access and schedule to complete.
- Continued review of 200-PO-1 OU candidate wells for decommissioning.
- Geophysical field survey and data interpretation activities included:
  - Continued work on 200-PO-1 RI geophysical data summary report.
- Remedial Investigation Report:
  - Preparation of the RI/FS report continues. Prepared preliminary draft ARARs table for regulator technical assistance review. A briefing on the approach to contaminant fate and transport modeling is being planned for August 27<sup>th</sup>.

**Schedule Status:** The Draft A Remedial Investigation Report is scheduled to be completed by March 2010. Proposed Milestone M-15-73 requires submittal of the Draft A Feasibility Study and Proposed Plan by 12/31/2011.

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

- DOE met with Ecology on 07/22/09 to continue discussions on NRDWL and SWL closure plans. Ecology asked for additional background data/information to assist in the preparation for review of the closure plans, followed by a site visit. A walkthrough of the information is planned for late August, followed by a site visit. A formal Ecology review of the closure plans is scheduled to begin in November

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

- RI/FS Work Plan (Rev 0) was approved by RL and Ecology on December 22, 2008.

- Geophysical investigations have been performed at 218-E-10, 218-E-12B, 218-W-4B, and 218-W-4C to support procedural closure of unused TSD landfill areas; final report preparation is underway.

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

Regulator Comments

Ecology requests all data on SW-1 sites and a site visit.

Ecology requests characterization data on SW-2 that is not classified and to discuss phase II characterization.

**200-MW-1 EPA Lead (RL: Frank Roddy) – (Mike Hickey)  
(M-15-44B, 9/30/09, Feasibility Study/Proposed Plan)**

- New milestone for the FF and PP is February 28, 2010

**Schedule Status:** Re-scheduled to meet modified TPA interim milestone M-015-44B.

Regulator Comments

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

- The 200-MG-2 EE/CA was finalized and the 30-day public review/comment period ran from May 27 to June 27, 2009. A draft Action Memorandum was been generated and transmitted to EPA.
- The 200-MG-1 EE/CA has been finalized, and the 30-day public review period ran from June 17, 2009 to July 17, 2009. An Action Memorandum for was finalized and approved by RL and Ecology on July 31, 2009.
- Removal Action Work Plan and Sampling and Analysis Plan documents for selected 200-MG-1 waste sites have been drafted and are undergoing joint reviews by RL, Ecology and EPA.

**Schedule Status:** On schedule

Regulator Comments

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

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

**Schedule Status:** Other than the C5860 borehole (above), the project activities funded for this OU in FY09 are related to completing FY08 field activities and consolidating project information and actions to date. A change package that addresses the 200-LW-1/2 schedule is planned to be prepared by 12/31/09 as specified in the proposed M-15-446B interim milestone. Obtain samples at the 216-B-6 (“K-well”) borehole April 27, 2009 – October 26, 2010.

Field work planning continued. The SAF have been generated and finalized

Regulator Comments

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

- Work continues on developing the path forward for the Central Plateau Ecological Risk Assessment to support Central Plateau remedial decision making.  
(Will be updated after 8/17/09 Executive Meeting.)

**Schedule Status:** The schedule for the ecological risk assessment will need to support proposed plans for the Outer and Inner Areas. A revised schedule is currently under development.

**Regulator Comments**

EPA and Ecology would like to know what it will take to get the path forward finalized and complete the Ecological Risk Assessment. EPA would like a meeting scheduled with Ecology, EPA, DOE, Contractor, and technical staff.

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

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

**Schedule Status:** Decommissioning field work planned to begin Sept/Oct. of 2009.

**Regulator Comments**

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

**Schedule Status:** No FY09 activities are scheduled for this OU. A change package that addresses the 200-TW-1 & PW-5 schedule is planned to be prepared by 12/31/09 as specified in the proposed M-15-42D interim milestone.

Regulator Comments

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

**Schedule Status:** No FY09 activities are scheduled for this OU. A change package that addresses the 200-TW-2 schedule is planned to be prepared by 12/31/09 as specified in the proposed M-15-42E interim milestone.

Regulator Comments

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

- RL Plans to complete the West Lake SAP.

**Scheduled Status:** No update.

Regulator comments
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Change Notice for Modifying Approved Documents/Workplans  
In Accordance with the Tri-Party Agreement Action Plan,  
Section 9.0, Documentation and Records

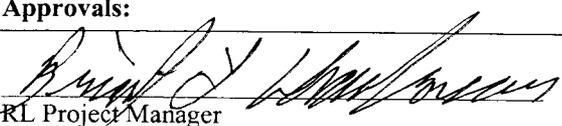
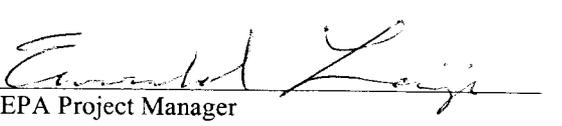
<b>Change Number</b>	<b>Document Submitted Under Tri-Party Agreement Milestone</b>	<b>Date:</b>	
TPA-CN-287	N/A	08/12/2009	
<b>Document Number and Title:</b> DOE/RL-2000-40, Waste Management Plan for the Expedited Response Action for 200 West Area Carbon Tetrachloride Plume and the 200-ZP-1 and 200-PW-1 Operable Units, Revision 8.		<b>Date Document Last Issued:</b> December, 2008	
<b>Originator:</b> J. Morse, RL		<b>Phone:</b> 509-376-0057	
<b>Description of Change:</b> Add an additional extraction well. Clarify a footnote in Table A-2. Add ability to store and treat purgewater from the 200 West carbon tetrachloride plume at the 200-ZP-1 Pump and Treat Facility.			
<p><u>B. L. Charboneau, RL, and E. Laija, U. S. Environmental Protection Agency, the lead regulatory agency, agree that the proposed change modifies an approved work plan/document and will be processed in accordance with the Tri-Party Agreement Action Plan, Section 9.0, Documentation and Records, and not Chapter 12.0, Changes to the Agreement.</u></p> <p>The following changes are made to DOE/RL-2000-40 (Revision 8, December, 2008):</p> <p>An additional extraction well, C7494 (299-W14-21) will be drilled this year. Table A-2, page A-3, of DOE/RL-200-40, Revision 8, is amended to include this well, and footnote "i" is clarified by providing the definition of the acronym "RPM"; remedial performance monitoring. The following sentence is added to section 4.3.1, Purgewater, on page 4-2:</p> <p style="padding-left: 40px;">Purgewater may also be stored and treated at the 200-ZP-1 Pump and Treat Facility.</p> <p>Added text is shown in gray shading and deleted text is shown in <del>strikeout</del> on the attached affected pages of DOE/RL-2000-40, Revision 8.</p>			
<b>Justification and Impacts of Change:</b>			
<p>An additional extraction well is added to planned drilling for this year.</p> <p>The 200-ZP-1 Pump and Treat Facility is designed and approved for treatment of groundwater from the 200 West carbon tetrachloride plume. Using the 200-ZP-1 Pump and Treat Facility to treat purgewater from the 200 West carbon tetrachloride plume will decrease the amount of purgewater sent to the 200 East Area modutank. The purgewater is composed mostly of groundwater with minor amounts of sediment from well development.</p> <p>These changes will be included in the next revision to DOE/RL-2000-40, Waste Management Plan for the Expedited Response Action for 200 West Area Carbon Tetrachloride Plume and the 200-ZP-1 and 200-PW-1 Operable Units.</p>			
<b>Approvals:</b>			
 RL Project Manager	8-6-09 Date	<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Disapproved
 EPA Project Manager	8/12/09 Date	<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Disapproved
	_____ Date	<input type="checkbox"/> Approved	<input type="checkbox"/> Disapproved

Table A-2. 200-ZP-1 Chemical Monitoring Well List. (2 sheets)

			LLWMA-17
			299-W10-34 <sup>a</sup>
			299-W11-94 <sup>a</sup>
			T8 <sup>a</sup>
			T9 <sup>a</sup>
			T11 <sup>a</sup>
			T12 <sup>a</sup>
			T13 <sup>a</sup>
			299-W15-225 <sup>h</sup>
			299-W14-20 <sup>h</sup>
			299-W14-21 <sup>h</sup>
			299-W14-73 <sup>h</sup>
			299-W14-74 <sup>h</sup>
			299-W12-2 <sup>h</sup>
			299-W11-49 <sup>h</sup>
			299-W11-50 <sup>h</sup>
			299-W11-90 <sup>h</sup>
			299-W11-91 <sup>h</sup>
			299-W11-92 <sup>h</sup>
			299-W11-93 <sup>h</sup>
			299-W12-3 <sup>h</sup>
			299-W12-4 <sup>h</sup>
			RPM <sup>i</sup>

NOTE: Shading indicates current changes.

<sup>a</sup> Wells added to support technetium-99 investigations by 241-T Tank Farm.

<sup>b</sup> Abandoned/decommissioned; replaced by well 299-W11-46.

<sup>c</sup> 200-ZP-1 new wells to be installed in vicinity of Old Laundry Facility and T Plant.

<sup>d</sup> Replacement for well C5101.

<sup>e</sup> Formerly well 699-51-60.

<sup>f</sup> Compliance monitoring.

<sup>g</sup> Detection monitoring.

<sup>h</sup> FY 2009 200-ZP-1 Extraction wells

<sup>i</sup> FY 2009 Remediation performance monitoring well located on east side of 200-W Area

#### 4.3.1 Purgewater Water

Purgewater generated during well installation, development, testing, monitoring, sampling, maintenance, and any water removed from drilling slurries will be managed in accordance with the *Strategy for Handling and Disposing of Purgewater at the Hanford Site, Washington* (Izatt 1990). Purgewater may also be stored and treated at the 200-ZP-1 Pump and Treat Facility.