

Meeting Minutes Transmittal/Approval  
Project Managers' Meeting  
200 Area Groundwater and Source Operable Units  
1200 Jadwin, Richland, Washington  
October 15, 2008

APPROVAL: *Al Farabee* Date: 12/18/08  
Al Farabee, 200 Area Project Manager, DOE/RL

APPROVAL: *Arlene Tortoso* Date: 12/18/08  
Arlene Tortoso, 200 Area Unit Manager, DOE/RL

APPROVAL: *Craig Cameron* Date: 12/18/08  
Craig Cameron, 200 Area Project Manager, EPA

APPROVAL: *John B Price* Date: 12/18/2008  
John Price, 200 Area Unit Manager, Ecology

HFFACO Action Plan Section 4.1 requires signature of agreements and commitments made during the Unit Manager Meeting. Approval of these minutes documents approval of agreements and commitments documented in Attachment 3 to these minutes. Approval does not apply to any other attachments, which are included in these minutes for informational purposes.

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Minutes of the 200 Area Project Managers' Meeting of October 15, 2008 are attached. Minutes are comprised of the following:

Attachment 1	Agenda
Attachment 2	Attendance Record
Attachment 3	Agreements and Issues List
Attachment 4	Action Item List
Attachment 5	Operable Units and Facilities Status
Attachment 6	200-UP-1, Uranium
Attachment 7	200-UP-1, Technetium-99
Attachment 8	Carbon tetrachloride concentrations in extraction well 299-W15-6.
Attachment 9	Figure 1 - Well Location 299-E33-205 and Spring/Early Summer Uranium Groundwater Concentrations in the WMA B/BX/BY
Attachment 10	Figure 2 – Confined Well Locations 299-E33-12, 299-E33-40, 299-E33-50 and 299-E33-340 and Spring/Early Summer Technetium-99, Nitrate, and Iodine-129 Groundwater Concentrations
Attachment 11	Figure 3 – Confined Well Location 699-52-55B and Recent Technetium-99 Groundwater Concentrations

# **200 AREA PROJECT MANAGERS' MEETING AGENDA**

1200 Jadwin/Rm 1-C-1  
October 15, 2008  
8:30 – 10:00 AM

## **GEOGRAPHIC ZONE REMEDIATION**

### **200 North Geographic Remediation**

- 200-CW-3
  - Rail Car Disposition Options Study
  - EE/CA for Buildings 212-N, P, R
- MIS Pilot Test Project

### **BC Control Zone Geographic Remediation**

- BC Control Area

### **U Plant Zone Geographic Remediation**

- 200-UW-1
- Canyon Disposal Initiative
- Central Plateau Key Facility Negotiations
- Recap Agreements, Issues and Action Items

## **GROUNDWATER and SOURCE OPERABLE UNITS**

- 200-UP-1, 200-CS-1 and 200-CW-1 Group
- Supplemental Characterization Model Groups 2/4/6 and 5
- 200-BC-1, 200-IS-1, 200-CW-5 and 200-SW-1/2 Group
- 200-ZP-1, 200-PW-1/3/6 Group
- 200-MW-1 Group and 200-PW-2/4
- 200-MG-1/2 and Eco. Group
- 200-BP-5 Group and 200-PO-1
- 200-SC-1 Group and 200-LW-1/2 Group
- 200-TW-1 and 200-PW-5
- 200-TW-2 Group
- 200-UR-1
- Recap Agreements, Issues and Action Items

200 Area Project Managers' Status Meeting  
October 15, 2008

Please print clearly and use black ink

PRINTED NAME	ORGANIZATION	O.U. ROLE	TELEPHONE
Dyan L Foss	S & GW		509 5544703
2 Douglas H. Helbrecht	DOE-RL		373-9626
CURT KALKER	CHPRC		349-7144
Wade Woolery	DOE RL		372 2889
Patty Emswiler	DOE-RL		372-3442
CIRCE BERLIN	CHPRC SW-2		374-2389
Rich Oldham	CHPRC		2-2426
Kathy Davis	CHPRC		376-2848
Deborah Singleton	Ecology		372-7923
Frank Reddy	DOE		372-0945
Virginia Rohay	CHPRC		373-3803
Laura Buelow	EPA		376-5466
Rod Lobos	EPA		376-3749
BRUCE WILLIAMS	CHPRC	MW-1 PW-2/4	376-3060
MIKE HICKEY	CHPRC	CW-5 IS-1	373 3092
Robert Day	"	Remedy Selection	539 0232
Russ Halvey	CHPRC	Rem. Selection	376-0303

200 Area Project Managers' Status Meeting  
October 15, 2008

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PRINTED NAME	ORGANIZATION	O.U. ROLE	TELEPHONE
John Price	Ecology	TPA Proj Mgr	372-7921
Allan Danielson	HEALTH	'	727-0445
Tina Crave	CHPRC	DAD PM	376-9789
Robert Wilkinson	CHPRC	DAD	373-9841
Steve Danai	Ecology	100/200 Area Limits	372-7930
Jenwe Sauer	CHPRC		376-3762
Kevin Leary	DOE-RL	-	373-7285
Jennifer Allio	ECY	Facilities 200 SW 1/2	372-7970
Greg Sinton	DOE-RL	200 Am Uds	373-7939
Mark Benedek	CHPRC	BC Cribs	376-0002
Steve Dahlgren	CHPRC	PPF BoS	308-193E
Chuck Millen	CHPRC	M6-1/2	528-8925
Steven Lowe	CHPRC	SC-1 LD-1/2	373-0646
John Winterhalter	CHPRC	ECO	312-8144
GLEN <del>CHRONIS</del>	CHPRC	BCCA Over House	373-4160
RC Brunk	CHPRC		376-2663
Z. Jackson	ECY	200 CLK	372-7910
G Thomas	CHPRC	BF-5	373-3907
Arlene Tab	DOE	200-Area	372-9631
Rick Bond	ECY	DAD	372-7885
Roy BAUER	CHPRC		373-3951

**200 Area Project Managers' Meeting  
Agreements and Issues List  
October 15, 2008**

**Agreement:** For FY08 there were no updates or changes to the Institutional Controls for the 200 Area, therefore, no action is required for an annual review.

**Issue:** None identified

**Delegations for October 15, 2008 UMM meeting:**

EPA	Rod Lobos for Craig Cameron
Ecology	John Price
DOE/RL	Arlene Tortoso
	Margo Voogd for Al Farabee

**OPEN ACTION ITEM TRACKING**

Action #	Action/Subject	Assigned To	Owed To	Assigned Date	Original Due Date	Adjusted Due Date	Status
115	200-BC-1 - EPA has requested RL to schedule a meeting to review the RI data collected to date and discuss the pathforward for RI/FS documentation.	RL-Sinton	EPA	10/15/08	11/20/08		

**CERCLA 5-Year Review Action Items**

Action #	Action/Subject	Assigned To	Assigned To	Due Date	Status
13-1	Complete a data quality objective process and sampling plan to further characterize the technetium-99 groundwater plume near T Tank Farm.	Fluor Hanford			Complete
14-1	Assess treatment options to address technetium-99 near T Tank Farm.	Fluor Hanford			Complete
15-1	Complete data quality objective process and sampling plan to further characterize the high soil conductivity measurements detected at B/C cribs and trenches.				Complete
16-1	Increase the pump size in 200-ZP-1 extraction wells 299-W15-45 and 299-W15-47.	Fluor Hanford			Complete
17-1	Evaluate expanding the soil-vapor extraction operations. Also, specifically review converting former groundwater extraction well 299-W15-32 to a soil-vapor extraction well.	Fluor Hanford			Complete
18-1	Prepare an explanation of significant difference for 200-UP-1 Interim ROD	Ecology		6/1/2008	Currently at EPA Region 10.

S&GRP TPA Primary and Secondary Document Tracking List

Document Data

Status of Document

Operable Unit/Project	Document Title	RL Owner	CHPRC Owner	Primary or Secondary Document	Submit to	Date Submitted	Date Anticipated to be Submitted	Response Due from	Date Response is Received	Date Response is/was Due	Comments
200-BC-1	BC Cnbs Treatability Test Report for Phase I, Rev. 0	Greg Sinton	Mark Benecke	S	RL and EPA	NA	NA	NA	NA	NA	Document released on 9/23/08.
200-CW-5	Feasibility Study and Proposed Plan, Draft B	Greg Sinton	Mike Hickey	P	EPA	7/30/2008	NA	EPA		10/15/2008	
200-PW-1/3/6	DOE/RL-2007-27, Draft B, Feasibility Study for the 200-PW-1/3/6 Operable Unit	Arlene Tortoso	Kathy Davis	P	EPA		2/27/2009	EPA		TBD	Working on developing Draft B.
200-PW-1/3/6	DOE/RL-2007-40, Draft B, Proposed Plan for the 200-PW-1/3/6 Operable Unit	Arlene Tortoso	Kathy Davis	P	EPA		2/27/2009	EPA		TBD	Working on developing Draft B.
200-MW-1	Remedial Investigation, Rev. 0	Frank Roddy	Phil Rogers	P	RL to EPA		10/31/2008	RL to EPA		11/24/2008	This document will be submitted to RL and they will transmit it to EPA within 10 days.
200-MW-1	Remedial Investigation Report for Supplemental Investigations	Frank Roddy	Phil Rogers	P	EPA		11/24/2008	EPA		1/23/2009	This document will be submitted to RL and they will transmit it to EPA within 10 days.
200-MW-1	Remedial Investigation Report for Supplemental Investigations	Frank Roddy	Phil Rogers	P	EPA		11/24/2008	EPA		1/23/2009	This document will be submitted to RL and they will transmit it to EPA within 10 days.
200-SW-1/2	R/IFS Work Plan, Rev. 0	Frank Roddy	Greg Berlin	P	RL to Ecology	10/2/2008	NA	Ecology		11/3/2008	RL transmitted the Rev. 0 Work Plan to Ecology on 10/2/08.
200-IS-1	CX Tank System Closure Plan, Rev. 0	Doug Hildebrand	Mike Hickey	P	Ecology	NA	12/31/2008	Ecology	NA	NA	Will use Table 9.2 for date response is due from Ecology.
200-MG-1/2	EE/CA for MG-1 and for MG-2	Frank Roddy	Chuck Miller	P	EPA and Ecology		10/15/2008	EPA and Ecology		12/10/2008	Both the MG-1 and MG-2 EE/CAs were submitted to RL on 9/29/08. Expect transmittal to EPA and Ecology by 10/15/08.
200-PO-1	R/IFS Phase II Report, Draft A	Doug Hildebrand	Gloria Cummins	NA	EPA and Ecology	12/30/2009	NA	NA	NA	NA	This document (Draft A) will be submitted to RL on or around 12/15/09 and they will transmit it to EPA and Ecology within 10 days.
200-BP-5	DQO WMP-28945, Rev. 1	Doug Hildebrand	Greg Thomas	S	RL with copy to EPA		10/31/2008	RL (& EPA)		12/31/2008	This document will be submitted to RL and they will transmit it to EPA within 10 days.
200-PW-1 (formerly ZP-2)	Annual Soil Vapor Extraction System Performance Report	Arlene Tortoso	Mark Byrnes	S	RL and EPA	NA	NA	NA	NA	NA	Document issued 9/15/08.
100-BC-5	Sample Analysis Plan	Greg Sinton	Bill Barrett	P	RL and EPA		12/1/2008	RL and EPA		2/2/2009	This document will be submitted to RL and they will transmit it to EPA within 10 days.
100-FR-3	Sample Analysis Plan	Greg Sinton	Bill Barrett	P	RL and EPA		12/1/2008	NA	NA	2/2/2009	This document will be sent to RL and they will transmit it to EPA within 10 days.
200-DVZ-5	DQO to Characterize Soil Desiccation Pilot Test Site	John Morse	Mark Benecke	S	RL with copies to EPA and Ecology	NA	10/15/2008	NA	NA	NA	Informal submittal
200-DVZ-5	SAP to Characterize Soil Desiccation Pilot Test Site	John Morse	Mark Benecke	P	RL with copies to EPA and Ecology	NA	11/7/2008	NA	NA	NA	Informal submittal

# 200 AREA PROJECT MANAGERS' MEETING STATUS

October 15, 2008

## GEOGRAPHIC ZONE REMEDIATION

### 200 North Geographic Remediation

**200-CW-3** - Remaining Sites RAWP: in comment incorporation following regulatory review.

#### **Rail Car Disposition Options Study (no change)**

The railroad car disposition options study will be transmitted to regulatory agencies in early FY09. Then DOE will discuss options with the agencies.

**EE/CA for Buildings 212-N, P, R** – in comment incorporation following regulatory review.

**Schedule Status:** On schedule.

### **MIS Pilot Test Project**

- Phase I screening samples were obtained from waste site 216-S-19 on September 24, 2008. Two sample attempts were undertaken at waste site UPR-200-E-56 on September 25, 2008 and September 29, 2008. However, field screening for the excavations to a depth of 12 ft failed to detect any radiological contamination; therefore, no samples were sent to the laboratory.
- Due to FY09 funding, the MIS study has been curtailed. A meeting with Ecology will be scheduled to discuss alternatives to completing the field study.

## BC Control Zone Geographic Remediation

### **200-BC Control Area (BCCA) – Ecology Lead**

- Over 29,000 tons have been remediated as of September 23, 2008 (approximately nine acres).
- Final survey and mapping of the excavated area is underway and will be used to support revegetation actions in FY09.
- A Mitigation Plan has been approved by RL.

**Schedule Status:** On schedule.

## U Plant Zone Geographic Remediation

### 200-UW-1 Ecology

- The U-12 Supplemental Deep Vadose Zone characterization DQO continues through October.

**Schedule Status:** The project activities funded for this OU in FY09 are related to consolidating project information and actions to date and placing the project in safe storage.

### Canyon Disposal Initiative

- 221-U Plant RD/RAWP: Transmitted for regulatory review September 24, 2008, in accordance with the Resolution of Dispute Agreement for the 221-U Facility RD/RA Work Plan formalized on June 26, 2008.
- 221-U Plant Ancillary Facilities Removal Action Work Plan: Resolution/incorporation of EPA and Ecology comments in progress.

**Schedule Status:** On schedule.

### Central Plateau Key Facility Negotiations

- The Agreement in Principle for negotiation of central plateau facility disposition activities was signed by Tri Parties August 13. Negotiations to begin October 31, 2008.

**Schedule Status:** On schedule.

## 200-UP-1, 200-CS-1, 200-CW-1 OU Group

### 200-UP-1

- The wells supporting the U-Plant pump and treat are trending down with most wells below the interim RAOs of 480 µg/L and 9,000 pCi/L respectively (**Attachments 6 and 7**).
- RI/FS Work Plan:
  - Monitoring continues.
- Explanation of Significant Difference (ESD):
  - The third revision of the ESD is currently at EPA Region 10 for legal review.
- Pump and Treat
  - To date, the 200-UP-1 Pump and Treat System has extracted approximately 5.5 million liters of groundwater.
  - The pump and treat has been turned off due to the ETF upgrade outage. It is anticipated that pumping will be resumed sometime around October 31, 2008.

**Schedule Status:** The RI/FS activities for this OU in FY09 are related to consolidating project information and actions to date and placing the project in safe storage. The pump and treat operations will continue; in addition to the sampling and monitoring activities.

#### **200-CS-1**

On September 25, 2008, RL and Ecology reached a tentative understanding that an EE/CA and CERCLA Non-Time-Critical Removal Action Memo decision approach could be used to document the remediation decision under two conditions: 1) The action memo would be based on the FS/PP; and 2) The action memo will explain that the decision will eventually also be documented in a future ROD in accordance with CERCLA.

**Schedule Status:** The project activities funded for this OU in FY09 are related to consolidating project information and actions to date and placing the project in safe storage.

#### **200-CW-1**

**(M-015-38B, 5/31/09, Feasibility Study/Proposed Plan) Ecology  
Supplemental Remedial Investigation**

- The DPTs in 216-T-4B and B Pond were completed, logged and decommissioned on September 23.
- The remaining auger and shallow soil samples have not started.

**Schedule Status:** The project activities funded for this OU in FY09 are related to completing FY08 field activities, consolidating project information and actions to date and placing the project in safe storage.

#### **200-BC-1, 200-IS-1, 200-CW-5, & 200-SW-1/2 OU Group**

#### **200-BC-1**

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

- Completed DPTs and logging in B-14 crib for Phase 3 of the BC Cribs and Trenches Treatability Test.
- Installed sixteen 7" DPTs in B-53A trench and completed gamma and neutron logging for Phase 4.
- Submitted decisional draft of Electrical Resistivity Characterization (ERC) correlation report for first three boreholes to RL.

**Schedule Status:** The project activities funded for this OU in FY09 are related to completing FY08 field activities, consolidating project information and actions to date and placing the project in safe storage.

## **200-IS-1**

### **(M-13-27, 6/30/07, RI/FS Work Plan) Ecology**

- All 68 direct pushes are complete.
- All geophysical logging complete. Compiling the raw data.

**Schedule Status:** The project activities funded for this OU in FY09 are related to completing FY08 field activities, consolidating project information and actions to date and placing the project in safe storage. The RCRA Closure Plan for the CX Tank System is funded and on schedule.

## **200-CW-5**

### **(M-15-40D, 7/31/08, Feasibility Study/Proposed Plan) EPA**

- Feasibility Study and Proposed Plan submitted July 30, 2008.
- The EPA review period has been extended 30 days to October 15, 2008.

**Schedule Status:** The project activities funded for this OU in FY09 are related to consolidating project information and actions to date and placing the project in safe storage.

## **200-SW-1/2**

### **(M-15-00, 12/31/11, Feasibility Study/Proposed Plan) Ecology**

- Completed TPA milestone M-13-28 (Transmit RI/FS Work Plan (Draft B) to Ecology by September 30, 2007) on schedule.
  - Completed RI/FS Work Plan (Draft B) comment resolution meetings with RL and Ecology. Reached agreement on comment responses.
  - Work Plan (Rev 0) was approved by RL and transmitted to Ecology for review and approval on October 2, 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; report preparation is underway.

**Schedule Status:** The project activities funded for this OU in FY09 are related to consolidating project information and actions to date and placing the project in safe storage.

## **200-ZP-1, 200-PW-1/3/6 OU Group**

### **200-ZP-1**

#### **(M-15-48B, 9/30/07, Feasibility Study/Proposed Plan) EPA**

- Remediation Treatment Status:
  - Currently 13 of the 14 groundwater extraction wells are on line pumping at

approximately 380 gpm. A failed pump in one of the extraction wells will be replaced this week. Earlier this month we were operating at approximately 420 gpm.

- The 200-ZP-1 ROD was signed by DOE-RL, EPA, and Ecology the last week of September 2008.
- Work has started on the Remedial Design/Remedial Action Work Plan. A meeting will be scheduled with EPA shortly to get concurrence on the annotated outline for the report.
- A draft schedule has been prepared that identifies all the activities that need to be performed between now and the startup of the final 200-ZP-1 treatment system.
- In late November, Matt Tonkin will be presenting to DOE-RL and EPA the results from his recent groundwater modeling in the vicinity of T Tank Farms to assist the selection of the T-7 and T-8 well locations.
- The final adjustments to the positioning of the first eight final 200-ZP-1 groundwater extraction wells will be made this week. The SAP supporting this drilling is currently out for DOE-RL and EPA review.

**Attachment 8** shows the latest carbon tetrachloride concentrations in extraction well 299-W15-6.

**Schedule Status:** On schedule.

#### **200-PW-1, 200-PW-3, & 200-PW-6**

##### **(M-15-45B, 9/30/07, Feasibility Study/Proposed Plan) EPA**

- The plan and schedule for Draft B of the FS and PP were transmitted to EPA by RL. They are scheduled for submittal to EPA by February 27, 2009. Work is in progress on preparation of these documents.
- Soil Vapor Extraction System (SVE):
  - The SVE system was shut down for the winter on October 6, 2008.
  - The average extraction rate through October 6, 2008 was 319 cfm.
  - Monthly monitoring results for September 2008 for the soil vapor probes and wells were consistent with results from previous monitoring.

**Schedule Status:** On schedule.

#### **200-MW-1 & PW-2 OU Group**

##### **200-MW-1**

##### **(M-15-44B, 12/31/08, Feasibility Study/Proposed Plan) EPA**

- Preparation of the FS report continues. Draft for internal review is expected in October.
- The mini-RI for the supplemental investigations has been reviewed internally and comments have been incorporated. This report will be transmitted to DOE with the FS report.
- The RI (DOE/RL-2005-62) will be transmitted to DOE in October.

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

**200-PW-2 & 200-PW-4**

**(M-15-43D, 12/31/10, Feasibility Study and Revised Recommended Remedy(ies)) Ecology**

- The deep borehole in the 216-A-5 Crib reached total depth of 329 ft bgs on August 28, a groundwater sample was collected September 2, and the borehole is currently being decommissioned.
- The stop work at the 216-S-1/2 Crib has been lifted. Near-term field work includes decommissioning the three direct push boreholes.

**Schedule Status:** The project activities funded for this OU in FY09 are related to completing FY08 field activities, consolidating project information and actions to date and placing the project in safe storage.

**200-MG-1/2 & ECO OU Group**

**200-MG-1/200-MG-2 Model Group 1 Sites (no change)**

**(M-15-49A, 12/31/08, MG-1 EE/CA) Ecology**

**(M-15-49B, 12/31/08, MG-2 EE/CA) EPA**

- The M-15-49A and M-15-49B Milestones require submittal of engineering evaluations/cost analyses (EE/CAs) to Ecology and EPA by December 31, 2008. The Draft A EE/CAs were both transmitted to RL on September 29, 2008 for RL concurrence review and transmittal to the regulatory agencies.

**Schedule Status:** Ahead of schedule to meet the TPA interim milestones.

**Ecological Risk Assessment**

- A revised version of the CP ERA report was transmitted to FH on September 30, 2008 from the Ecological Risk Assessment contractor. The revised document includes a new format that simplifies and clarifies the presentation of information. During the initial phase of transition, CH personnel responsibilities and assignments are being established.

**Schedule Status:** The report is approximately four months behind the FY08 baseline schedule.

**200-BP-5 & PO-1 OU Group**

**200-BP-5**

**(M-13-06B, 3/31/07, RI/FS Work Plan, Completed) EPA**

**(M-15-21A, 10/31/10, Feasibility Study/Proposed Plan) EPA**

### **Analytical Sample results from Completed wells**

WSCF analytical results have been received for unconfined aquifer well 299-E33-205 and confined aquifer wells 299-E33-340 and 699-52-55B. The results are summarized below:

- Unconfined Aquifer BX Tank Farm well 299-E33-205 (Figure 1, **Attachment 9**).
  - Vadose zone sample analyses reported no contamination.
  - Groundwater results reported elevated concentrations of uranium (787 µg/L), technetium-99 (8800 pCi/L), iodine-129 (4.65 pCi/L), and nitrate (~290 mg/L).
- Confined Aquifer well 299-E33-340 (Figure 2, **Attachment 10**).
  - Groundwater results reported elevated concentrations of technetium-99 (20,000 pCi/L), iodine-129 (2.11 pCi/L), nitrate (~800 mg/L).
- Confined Aquifer well 699-52-55B (Figure 3, **Attachment 11**).
  - No elevated contamination.
- PNNL is continuing to complete analyses for the following wells: 299-E33-205, 299-E33-340, 299-E33-341 and 699-52-55B.
- LBNL is continuing to work on uranium isotopic analyses for BY Cribs wells 299-E33-341 and 299-E33-342. PNNL just sent the well samples for 299-E33-205.

### **200-BP-5 DQO Revision (WMP-28945 Rev 1):**

Revised DQO is in tech editing and expected to be released October 30.

**Schedule Status:** The project activities funded for this OU in FY09 are related to consolidating project information and actions to date and placing the project in safe storage. The sampling and monitoring activities will continue.

### **200-PO-1**

#### **(M-015-25C, 12/30/09 200-PO-1 OU RI Phase II Report) Ecology**

- FY08 Aquifer tube installation efforts have been completed in the 200-PO-1 OU. One to two tubes at eleven locations (A-K) have been installed per the 200-PO-1 RI/FS Work Plan and Characterization SAP (DOE/RL-2007-31 Rev. 0). Also completed Initial sampling efforts and awaiting results.
- Final vendor reports have been received for the 200-PO-1 RI Phase I geophysical data investigations using Airborne Electromagnetics and Seismic Reflection per the DOE/RL-2007-31 SAP. The next step is to integrate existing borehole and velocity data to assist in data interpretation and evaluation.

**Schedule Status:** On schedule to meet M-015-25C.

### **200-SC-1 & 200-LW-1 OU Group**

#### **200-SC-1**

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

The 216-A-30, 216-B-55, and 216-S-6 borehole summary reports and data validation reports have been issued. The DQA was started.

**Schedule Status:** The project activities funded for this OU in FY09 are related to completing FY08 field activities, consolidating project information and actions to date and placing the project in safe storage.

**200-LW-1/200-LW-2**

**(M-15-46B, 12/31/11, Feasibility Study/Recommended Remedy) Ecology**

- **216-B-6 health & safety DPT:** The push was completed on September 16. The total depth was 216 ft bgs. The borehole has been logged and is awaiting decommissioning.

**Schedule Status:** The project activities funded for this OU in FY09 are related to completing FY08 field activities, consolidating project information and actions to date and placing the project in safe storage.

**200-TW-1 & 200-PW-5 OU Group**

**200-TW-1 & 200-PW-5**

**(M-15-42D, 12/31/11, Feasibility Study/Proposed Plan for TW-1 & PW-5) EPA**

- Field work suspended on S-13, crib box was filled with CDF prior to stopping work.
- Installed three pushes at T-18, geo logging of the pushes will be completed October 10, 2008.
- A test plan for assessing the effects of fire on the function of the Hanford Barrier (located above the 216-B-57 Crib) was finalized and approved by RL and EPA. The burn was accomplished on September 27, 2008. This document will be submitted to the Administrative Record and archived under the 200-TW-1& 200-PW-5 header.

**Schedule Status:** The project activities funded for this OU in FY09 are related to completing FY08 field activities, consolidating project information and actions to date and placing the project in safe storage.

**200-TW-2 OU Group**

**200-TW-2**

**(M-15-42E, 12/31/11, Feasibility Study/Revised Recommended Remedy(ies) for TW-2) Ecology**

No work in the field to report at this time.

No regulator documents in approval process.

**Schedule Status:** Behind schedule.

**200-UR-1**

**200-UR-1 Ecology (no change)**

**Schedule Status:** The project activities funded for this OU in FY09 are related to completing FY08 field activities, consolidating project information and actions to date and placing the project in safe storage.





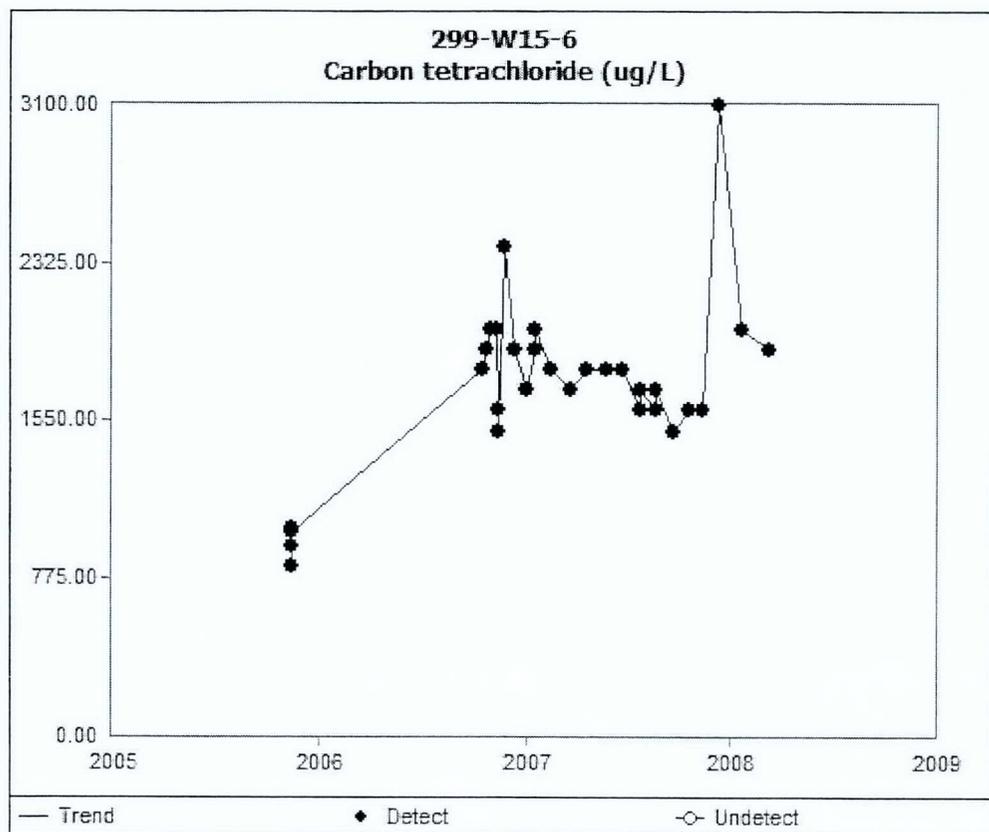
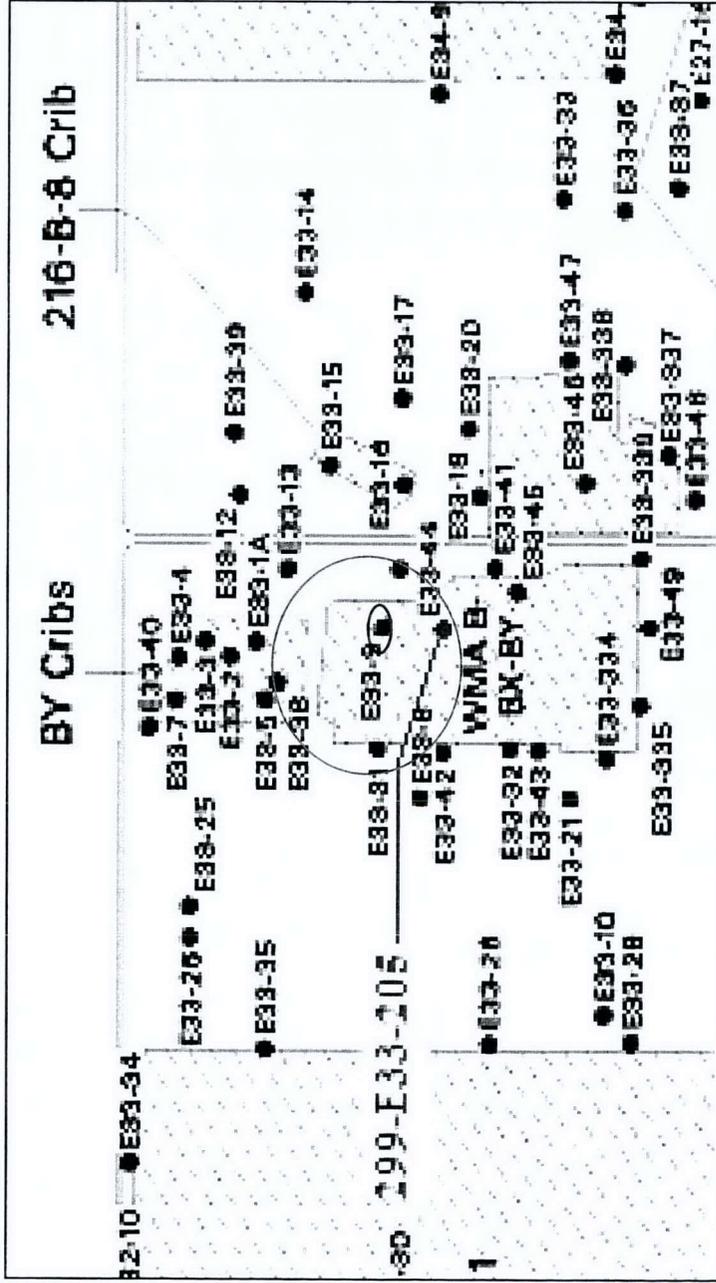


Figure 1 Well Location 299-E33-205 and Spring/Early Summer Uranium Groundwater Concentrations in the WMA B/BX/BY



Uranium Concentrations	Sample Date
299-E33-205: 787 µg/L	7-23-08
299-E33-9: 1300 µg/L	3-5-08
299-E33-31: 383 µg/L	5-12-08
299-E33-38: 364 µg/L	5-12-08
299-E33-5: 370 µg/L	5-13-08
299-E33-1A: 128 µg/L	5-14-08
299-E33-13: 119 µg/L	5-13-08
299-E33-44: 333 µg/L	5-12-08
299-E33-42: 92.5 µg/L	5-12-08
299-E33-41: 85.5 µg/L	5-12-08
299-E33-3: 11.5 µg/L	5-12-08
299-E33-26: 276 µg/L	5-19-08
299-E33-34: 103 µg/L	6-27-08
299-E33-32: 29 µg/L	5-12-08

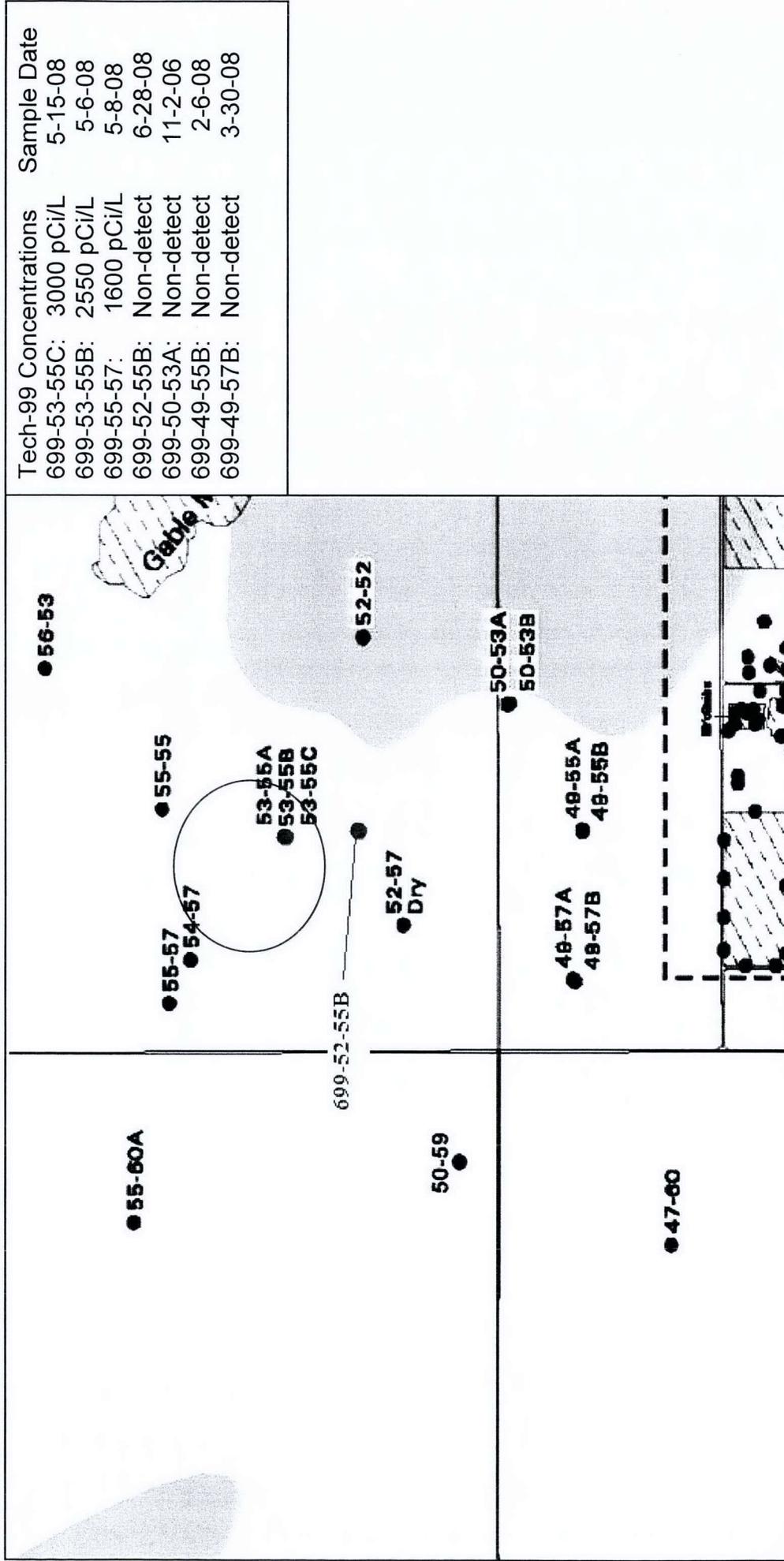
Possible uranium plume isopleth identified:

Red oval 1200 µg/L

Orange oval 300 µg/L



Figure 3 Confined Well Location 699-52-55B and Recent Technetium-99 Groundwater Concentrations



Possible technetium-99 plume 2000 isopleth identified with red oval

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