

0076387

**DISTRIBUTION
UNIT MANAGERS' MEETING,
200 AREA GROUNDWATER SOURCE OPERABLE UNITS
January 16, 2008**

DOE/RL

(No hard copy distribution)

EPA

Craig Cameron

B1-46

Ecology

John Price

H0-57

FH

Janice Williams (original)

E6-35

Administrative Record (2)

H6-08

Correspondence Control


A3-01

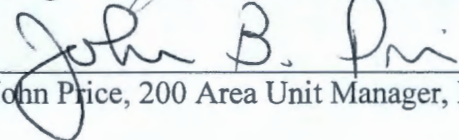
RECEIVED
FEB 29 2008
EDMC

**Meeting Minutes Transmittal/Approval
Unit Managers' Meeting
200 Area Groundwater and Source Operable Units
1200 Jadwin, Richland, Washington
January 16, 2008**

APPROVAL:  Date: 2/21/08
Larry Rpmine, 200 Area Unit Manager, DOE/RL

APPROVAL:  Date: 2/21/08
Arlene Tortoso, 200 Area Assistant Manager, DOE/RL

APPROVAL:  Date: 2/21/08
Craig Cameron, 200 Area Unit Manager, EPA

APPROVAL:  Date: 2/26/2008
John Price, 200 Area Unit Manager, Ecology

Minutes of the 200 Area Unit Managers' Meeting of January 16, 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	Spill area at Purolite resin skid, Well 299-W15-765
Attachment 9	Spill Sample Analytical Results (Preliminary)
Attachment 10	Well 299-W15-6, Carbon Tetrachloride (ug/L)
Attachment 11	Technetium-99 ICP/MS Data for Ion Exchange Column at 200-ZP-1 Extraction Well 299-W15-44
Attachment 12	Technetium-99 ICP/MS Data for Ion Exchange Column at 200-ZP-1 Extraction Well 299-W15-765
Attachment 13	200-PW-1 OU: 3 Narrow Diameter Vapor Extraction Wells
Attachment 14	Well 699-52-55A Location Map
Attachment 15	Wells 299-E33-343 and 299-E33-344 Location Map

200 AREA UNIT MANAGERS' MEETING DRAFT AGENDA

1200 Jadwin/Rm 1-C-1

January 16, 2008

8:30 AM

SOURCE REMEDIES AND D4

- 200-CW-3
- BC Control Area
- 200-UW-1
- Facilities (D4)
- 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 Unit Managers Status Meeting
January 16, 2008

Please print clearly and use black ink

PRINTED NAME	ORGANIZATION	O.U. ROLE	TELEPHONE
Jenne Seaver	FH		376-3762
Jennifer Ollero	Ely	SW 2 Unit Facilities	372-7988
Stan Sobczyk	Nez Perce EX 44		
Jon Lindberg	FH	200-PO-1	376-4511
Mark Byrnes	FH	ZP-1	373-3996
Leon Wanni	EEO		372-7930
Sandra Hilligren	NPT-ERWM		208-843-7375
Craig Cameron	EPA		376-8665
Arlene Tortoso	DOE-RL	200-Area	373-9631
John Morso	DOE-RL	GCW	376-0057
Janice Williams	FH	SGRP	372-3553
Robert Wilkinson	Fluor	D&D	373-9841
Rich Oldham	FIF	ECCO	322-2426
Phil Fog	FH	PA KW-14/1524	376-5807
Tina M Crane	FH	200-CW-3	376-9789
Tom Watson	FH	Cent. Platan	376-5450
Deborah Singleton	Ecology	200 SW	372-7923
John Smoot	FGG	LERF	373-5778
Tony Knepp	FH	UP-1	438-6453
William Barrett	FH	TW-1/2	430-5939

200 Area Unit Managers Status Meeting
January 16, 2008

Please print clearly and use black ink

PRINTED NAME	ORGANIZATION	O.U. ROLE	TELEPHONE
Larry Romine	NOE	ZOOA	376-4747
Shawney Simon	ODOE	(541)	963-0853
Kevin Learx	DOE-RL	ZOO-UW-1	373-7264
Wade Woolery	DOE-RL	D4	372-2889
L. Craig Swanson	FH	ZOO ^{also} Tech Support	373-3807
John Price	Ecology	TPT Proj Mgr	372-7921
Stewart Luttrell	FH	GW Mon.	376-4531
Ron Brunk	FH	CW-1 CS-1	376-2663
ED JACOBS	"	Proj. Mgr	6-2859
Ted Repasky	CTUIR		541-966-2412
Rod Woods	EPA		
Virginia Rohay	FH	ZH-PU-1	373 3803
Greg Thomas	FH	BP-5	373-3907
Starbuck	FH	BP-5	376-4625
GLORIA CUMMINS	FH	PO-1	372-2484
MIKE Hickey	FH	FS-1 CW-5	376 3092
Pam Ankrum	FH	MG-1/GW	373-7222
Jay Decker	FH	LW-1/2/SC-1	376-4416
Manuel Cintron	FGG	UR-1 Lead	376-6383

**Issue Resolution Meeting
Agreements and Issues List
January 16, 2008
200 Area Unit Managers' Meeting**

Agreement: Rod Lobos of EPA agreed to allow the perched monitoring well for 299-E33-344 and drill another monitoring well to the north of 299-E33-18 for the 6' well.

Issue: None identified.

Delegations for January 16, 2008 UMM meeting:

EPA	Craig Cameron
Ecology	John Price
DOE/RL	Arlene Tortoso for Briant Charboneau Larry Romine

200 Area Unit Managers' Meeting

OPEN ACTION ITEM TRACKING

Action #	Action/Subject	Assigned To	Owed To	Assigned Date	Original Due Date	Adjusted Due Date	Status
80	Send report from Remedial Action Decision Making panel.	FH-Miller	ECY/EPA Price/Goswami/ Cameron	10/18/06	11/16/06	2/20/08	Document has been completed but is undergoing management review. Minor editorial changes are needed - will be completed by Febuary UMM.
107	Draft an agreement for the Parties as to Ecology expectations for 200-MG-1/2 RTD sites (no modeling will be required to show protectiveness of groundwater and the expectation is that all contamination will be removed).	Ecology-Price	RL-Charboneau (Roddy)	1/16/08	2/21/08		
108	Work with the TPA group to draft an agreement for the Parties to enter the approved LW-1/2 RI report into the administrative record.	RL-Roddy	Ecology-Price	1/16/08	2/21/08		

CERCLA 5-Year Review Action Items

Action #	Action/Subject	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.	Fluor Hanford		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	

200 AREA UNIT MANAGERS' MEETING OPERABLE UNITS AND FACILITIES STATUS

January 16, 2008

D&D OUs

200-CW-3 EPA

- The remediation completion report for site 216-N- 7 has been approved by RL and EPA.
- Re-vegetation of sites 216-N-2, -5, and -7 complete.
- SAP and RAWP in development for "remaining sites" 216-N-1, -4, and -6, three septic systems, one solid waste site, two UPRs and three pipelines.

Rail Car Disposition Options Study

The railroad car disposition options study is in progress.

Ecology Sites UPR 200-N-1 and UPR 200-N-2 (in Proximity to 200-CW-3)

- TPA change request (C-07-07) transmitted to DOE for regulatory approval. This change request authorizes transfer of waste units 200-N-3, 2607-N, 2607-P, 2607-R, UPR-200-N-1 and UPR-200-N-2 from the 200-MG-1 OU to the 200-CW-3 OU and the assignment of waste units 600-285-PL, 600-286-PL and 600-287-PL to the 200-CW-3 OU.

EE/CA for Buildings 212-N, P, R

The development of the EE/CA has been initiated.

200-BC Control Area (BCCA)

- Transmittal of BCCA EE/CA to DOE-RL completed on 12/13/07 and DOE-RL subsequently informally transmitted EE/CA to WDOE on 12/20/07.
- The Tri-Parties met with CTUIR, Nez Perce, and Yakama technical staff as well as the State of Oregon in mid-December to discuss planned removal actions for the BCCA.
- MARSSIM Closure Strategy – FH initiating DQO development of analytical data taken to date to support overall planned survey and closure strategy.
- FH coordinating the Cultural/Historical/Biological/Ecological reviews with PNNL to support the haul road upgrades.
- FH updating the RAWP for the BCCA planned removal action.

200-UW-1 Ecology

- ROD – RL's expectation was that the Tri-Parties have been developing an interim ROD to allow construction of the U-8 Barrier in FY09 if funding supports this action. However, Ecology noted they are not working on the ROD until the 1/25/08 meeting is held with EPA to discuss options for the ROD.
- FH informally transmitted the technical basis documents that describe how the approach being proposed satisfies the applicable or relevant and appropriate requirements of WAC 173-340-747(8) and other State and Federal regulations and

guidance to RL on 10/1/07. DOE-RL is resolving some internal comments with the WM & TF EIS modeling team. The documents are expected to be formally transmitted to the EPA and Ecology shortly.

- Agreement has been reached between DOE-RL, SHPO, and the tribes on the MOA for the Area C Borrow Source. The document has been transmitted to obtain signatures.
- Phase III of the 241-U-361 Settling Tank sludge sampling is in progress. The D&D-36146 Final Report for Tank U-361 Core Samples Collected in 2007 was issued on November 29, 2007. A tank characterization report is in progress and will undergo internal Fluor review in January.

FACILITIES STATUS

- Incorporated Draft C revisions to the U Plant 221-U RD/RAWP for CERCLA implementation and incorporation of the Surveillance and Maintenance Plan. S & M plans are being approved by FH and will be transmitted to RL.
- Prepared the U Canyon CDI Project Experience Summary Report and incorporated FH internal review comments.

Facility Binning (No change)

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

200-UP-1

(M-15-17A, 11/30/10, Feasibility Study/Proposed Plan) Ecology

- Values at well 299-W19-36 remained above the 9,000 pCi/L RAO for Technetium-99. Well 299-W19-36 yielded a concentration of 11,000 pCi/L in an October, 2007 sample.
- All other wells are below the interim RAOs of 480 µg/L and 9,000 pCi/L respectively (**Attachments 6 and 7**).
- RI/FS Work Plan:
 - Drilling began on the remaining six wells (UP-6, UP-7, UP-8, UP-9, UP-10, and UP-12) during the week of 11/09/2007.
 - One well has been completed.
- Tc-99 Increase @ S-Farm
 - No sample results received since 10/1/07.
- Pump and Treat
 - On 4/19/07, the pumps in wells W19-36 and W19-43 were restarted. As of 1/6/08, the project has pumped over 13,354,000 liters to the LERF Basin 43 at an average rate of approximately 36.5 L/m. These two wells address the higher uranium groundwater concentrations found in the area.

200-CS-1

Ecology response has not been received on the Draft B of the feasibility study and proposed plan that were submitted to Ecology on September 27, 2007. A response was expected by October 29. A response on the TSD closure plans was expected by December 26.

At the November 2007 IAMIT meeting, Ecology described plans for the permit modification for the RCRA TSDs and its intention to discontinue use of the CERCLA process, stating that it was far less expensive for Ecology to generate a permit modification than produce a ROD. Ecology also offered alternatives for DOE to address requirements regarding NEPA and residual radionuclides. EPA expressed concern that two separate processes could lead to conflicting decisions.

In an email, Ecology stated that the next opportunity to discuss the 200-CS-1 TSD units will be when Ecology shares the entire Site-wide permit with RL.

RL intends to continue within the CERCLA process, as described in TPA primary document DOE/RL-98-28, and meet all of its legal obligations, including those in the RCRA Permit.

200-CW-1

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

- **Model Group 5 SAP**
 - The MG-5 (200-CW-1) SAP, Rev 0, was delivered to Ecology on December 21, 2007, for approval. The Rev 0 is the result of a successful series of meetings between RL/FH and Ecology to address and resolve Ecology's comments on Draft A. DOE is expecting to obtain EPA approval.
 - Delays in gaining approval of the SAP have delayed starting field activities.

Supplemental Characterization

- The Supplemental RI/FS Work Plan, Rev 0, Volumes I and II, was approved as final on December 11, 2007. Volume II contains waste sites in the 200-SC-1 OU and will be revised over time to include waste sites from additional OUs located on the Central Plateau.

Currently addendums are in preparation for 200-LW-1 and 2; 200-PW-5 and 200-TW-1; and 200-TW-2.

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

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

- Remediation Treatment Status:
 - Between October 1, 2007 and December 2, 2007 the 200-ZP-1 pump-and-treat system average pumping rate was approximately 222 gpm.
 - All ten 200-ZP-1 extraction wells are currently on line pumping water at approximately 260 gpm. During the week of November 19 – 25 the ZP-1 treatment system shut down for much of the week due to a combination of the break in an offgas header that occurred while changing out GAC canisters and a **false** leak detection alarm.
 - A leak occurred at the Purolite resin treatment skid at well 299-W15-765 on December 13 when an insulation blanket was thrown over the skid to keep it from freezing in the cold temperature. A maximum of 1,500 gallons of water were lost to the ground, of which a minimum of 400 gallons were recovered. This left a maximum of 1,100 gallons that absorbed into the ground over an area 45 ft X 240 ft.
 - Three samples collected from within the spill area showed no detection of Tc-99 and TCE and one sample showed no detection of CCl₄. Two of the samples showed trace detections of CCl₄ (32 ug/kg and 13 ug/kg). Two background samples collected outside the spill area showed no detection of Tc-99, TCE, or CCl₄ (**See Attachments 8 and 9**).
 - Additional soil sampling was performed in the vicinity of the spill area January 8 and 9 for both moisture content and COC content. These samples were collected from the top two inches and/or the top foot of soil. The results from these analyses will be used to estimate the volume of water that is recovered by removing the top foot of soil. We expect this to recover the majority of the spilled water due to the freezing temperatures.
 - Plastic was spread over the spill area a couple of weeks ago to prevent any precipitation from driving the contamination deeper.
 - The top foot of soil will be removed. This soil will be taken to ERDF.
 - Trend data for carbon tetrachloride in well 299-W15-6 showed increasing concentrations from previous months (**Attachment 10**).
 - The two T Tank Farm extraction wells (299-W11-45 and 299-W11-46) continue to pump water to ETF at around 182 L/m (48 gpm). As of January 6, 2008, over 20,245,000 Liters (5.35 million gallons) of water have been pumped to LERF Basin 43.
 - The 200-ZP-1 interim remedial design report (DOE/RL-96-07, Rev. 4) has been updated to add the two T Tank Farm extraction wells and performance monitoring requirements. This document is currently going through the issuance process.
 - The design for the tie-in of the four new extraction wells to the ZP-1 treatment building is 50% complete at this time. Injection tests are scheduled over the next few weeks to verify that the current injection wells will accept 500 gpm. Well development activities are scheduled for three of the four new extraction wells to attempt to clean out the fine grained sediment. If this does not help

the sedimentation problem, a telescoping screen will need to be inserted that will impact performance.

- RI/FS Status:
 - FS and PP Report:
 - Revisions are currently being made to the ZP-1 FS and PP to address EPA and State of Oregon comments.
 - A full quantitative assessment of the two Native American scenarios will NOT be able to be completed and meet the required 45 day turnaround on the report. Draft B report is being prepared that will not include the Native American risk scenario but will be included in the final report (Revision 0).
- Tc-99 Investigation Status:
 - T Tank Farm Investigations:
 - DOE-RL has provided funding in FY08 for a new T-6 well. The positioning of this well is currently being selected. Since CHG is not able to move the tank farm fence to accommodate our drilling this new well will be an outside the fence well.
 - Purolite Resin Treatability Testing:
 - Most recent data from the Purolite resin treatability testing is presented in **Attachments 11 and 12**.
 - The two Purolite resin skids have been detached from wells W15-44 and W15-765 and the resin canisters have been drained of water. A core sample is to be collected from the larger W15-765 resin canister so that multiple samples can be analyzed with depth.
 - This data will assist both waste disposal and performance evaluation.

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

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

- EPA approved the 200-PW-1/3/6 Remedial Investigation Report in a letter to RL dated 11/29/07.
- Responses are being prepared to comments received from EPA and the State of Oregon on the PW-1/3/6 FS and PP.
- Soil Vapor Extraction System (SVE):
 - The SVE system was shutdown for the winter on 10/1/07.
 - The passive systems remain operational.
 - Monthly monitoring results for November and December 2007 for the three narrow diameter wells south of 216-Z-9 are shown in **Attachment 13**. Carbon tetrachloride concentrations in two wells (299-W18-165 and 299-W18-167) within the 216-Z-1A Tile Field were ~100-200 ppmv, which is higher than concentrations measured during monitoring in FY07 (maximum of ~ 3 ppmv), but consistent with results from October 2007 (180-190 ppmv) and FY06 (maximum of 174-394 ppmv). The carbon tetrachloride concentration in CPT-17/10 ft near the 216-Z-9 Trench was 21.5 ppmv, which is slightly higher than concentrations measured during FY06 and FY07

(maximum of ~2 ppmv). Carbon tetrachloride concentrations in the other wells and probes monitored during November and December 2007 were consistent with previous results.

200-MW-1 & PW-2 OU Group

200-MW-1

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

- Decommissioning of the high-risk borehole in the 216-A-2 Crib is nearly completed. All casings have been removed as of January 3, 2008.
- Work continues on the mini-RI for the supplemental investigations.

200-PW-2 & 200-PW-4

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

- One surface electrical resistivity line remains to be shot and it will include waste sites in the area south of Purex.
- The SAP for field investigations at the 216-A-5 and 216-S-1/2 Crib are under preparation.

200-MG-1/2 & ECO OU Group

200-MG-1/200-MG-2 Model Group 1 Sites

(M-15-49A, 12/31/08, MG-1 Feasibility Study/Recommended Remedy) Ecology

(M-15-49B, 12/31/08, MG-2 Feasibility Study/Proposed Plan) EPA

- Meetings were held with regulators to discuss PRG development approach and remedial alternatives analysis approach.
- A meeting was held with regulators to discuss the project sampling/analysis approach on 10/30/07. The general approach was found to be reasonable, but additional details will be needed prior to final commitment. A meeting to discuss details related to sampling/analysis was held on 1/14/08.
- Development of EE/CA for 200-MG-1/2 Waste Sites is in process.
Ecology comment: DOE will propose a TPA change to convert the milestones from an FS to an EE/CA.

Ecological Risk Assessment

- RL comments on the Environmental Risk Assessment (ERA) Report Decisional Draft are being incorporated into the Draft A version of the report.
- ERA Draft A is planned for transmittal to regulators by 2/14/08.
- A workshop is being planned for March 2008 with the Tri-Party Agency Decision-Makers, Tribal participants and external stakeholders to present the risk assessment report and discuss the risk assessment results. Invitations will be sent in the near future.

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

Drilling:

- Cable tool drilling was completed at well 699-52-55A/C5861, located north of the 200 East area (see **Figure 1, Attachment 14**). Monitoring well installation is ongoing.
 - Groundwater was encountered at 173.5' bgs.
 - Basalt was encountered at 177.2' bgs.
 - One split spoon sample was collected:
 - 174'-176.5' bgs.
 - Groundwater sample was not able to be collected due to heaving sands.
 - Well screen placement is planned from 170' to 180' bgs.
- Cable tool drilling is in progress at well 299-E33-344, located north of B tank Farm near well 299-E33-18 (See **Figure 2, Attachment 15**).
 - Saturated moisture conditions were encountered at 225' bgs.
 - Continuous split spoon sampling was completed from 225 to 237' bgs.
 - Geophysical logging was completed for the vadose zone to 228' bgs.
 - No vadose zone contamination was reported during drilling to 225' bgs.
 - Grab samples were collected at 2.5' intervals from 40' bgs to present depth.
 - Split spoons were collected from the following intervals: 60'-85', 187.5'-215', 225'-237.5' bgs.
 - Perched water sample was taken from the interval 225-227' bgs.
- An additional well will be drilled to groundwater (see Agreements).
- Drilling of well 299-E33-343/C5858 began Jan 8, 2008 (see Figure 2).
- Drilling of well C5989 will employ the Strategy for Management of Investigation Derived Waste to disposition waste residuals at the 241-BX tank farm.
 - Perched water sample was taken from the interval 225'-227'.

Groundwater Annual Report: for FY 2007 is in progress.

Groundwater SAP: DOE/RL-2001-49 Rev 2 is delayed until completion of the Groundwater Annual Report.

200-PO-1

(M-13-10A, 9/30/07, RI/FS Work Plan) Ecology

- Work Plan & Characterization SAP
RL transmitted the 200-PO-1 RI/FS Work Plan (DOE/RL-2007-31, Draft A) document to Ecology on 8/31/07 in completion of M-013-10A milestone. Ecology requested a 30 day extension to review, and completed their review on 11/29/07. Comments were received 12/3/07 and comment responses are being prepared.

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

• **Supplemental Characterization:**

- **216-B55 Crib:** Drilling started December 12th. Radiological contamination was detected near the bottom of the crib.
- **216-A-30 Crib:** Drilling is scheduled to start the week of January 28th.

200-LW-1/200-LW-2

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

- No new items to report.

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

- Rebaseline to incorporate requirements of supplemental RI/FS work plan.

200-TW-2 OU Group

200-TW-2

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

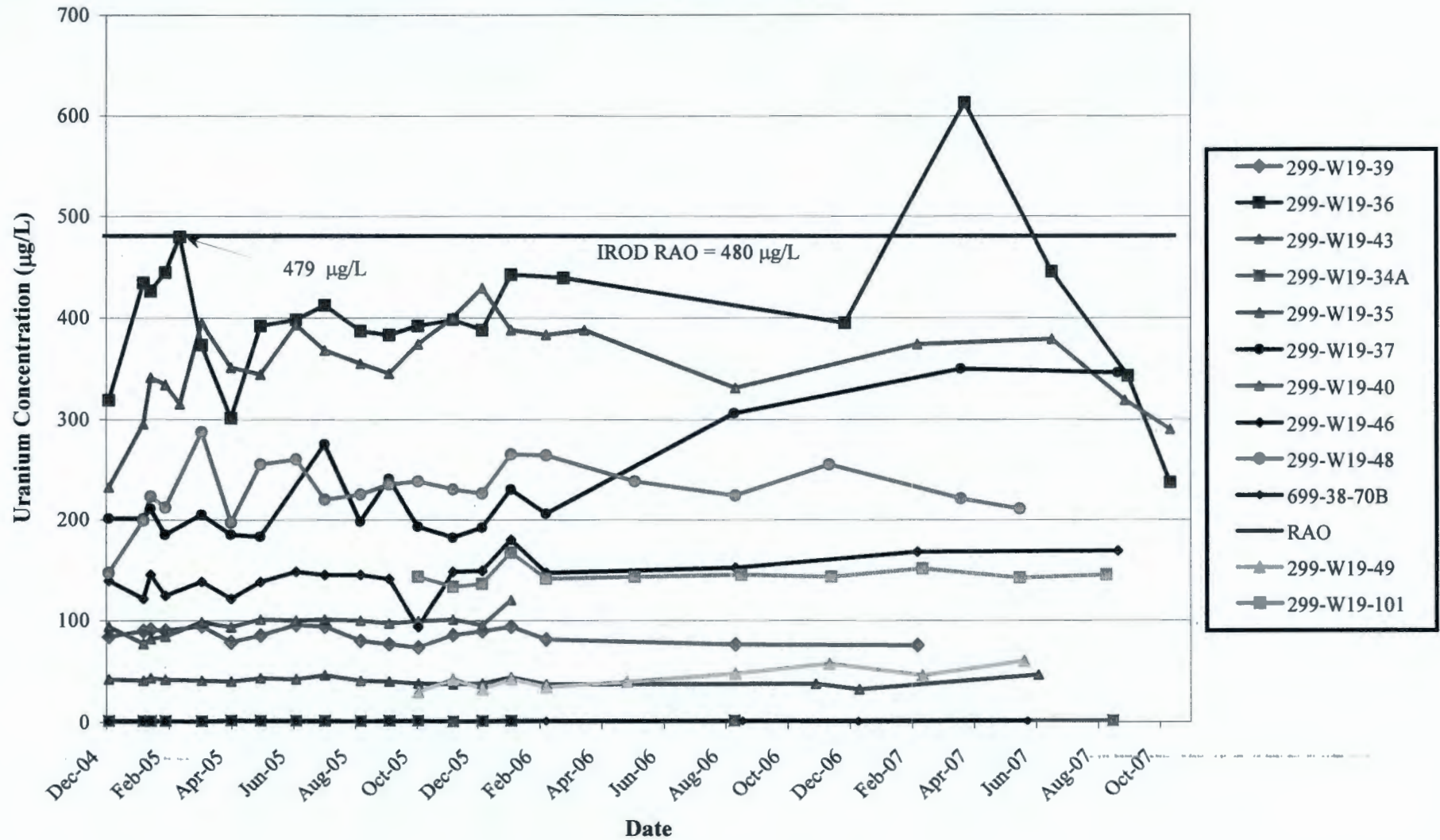
- Rebaseline to incorporate requirements of supplemental RI/FS work plan.

200-UR-1

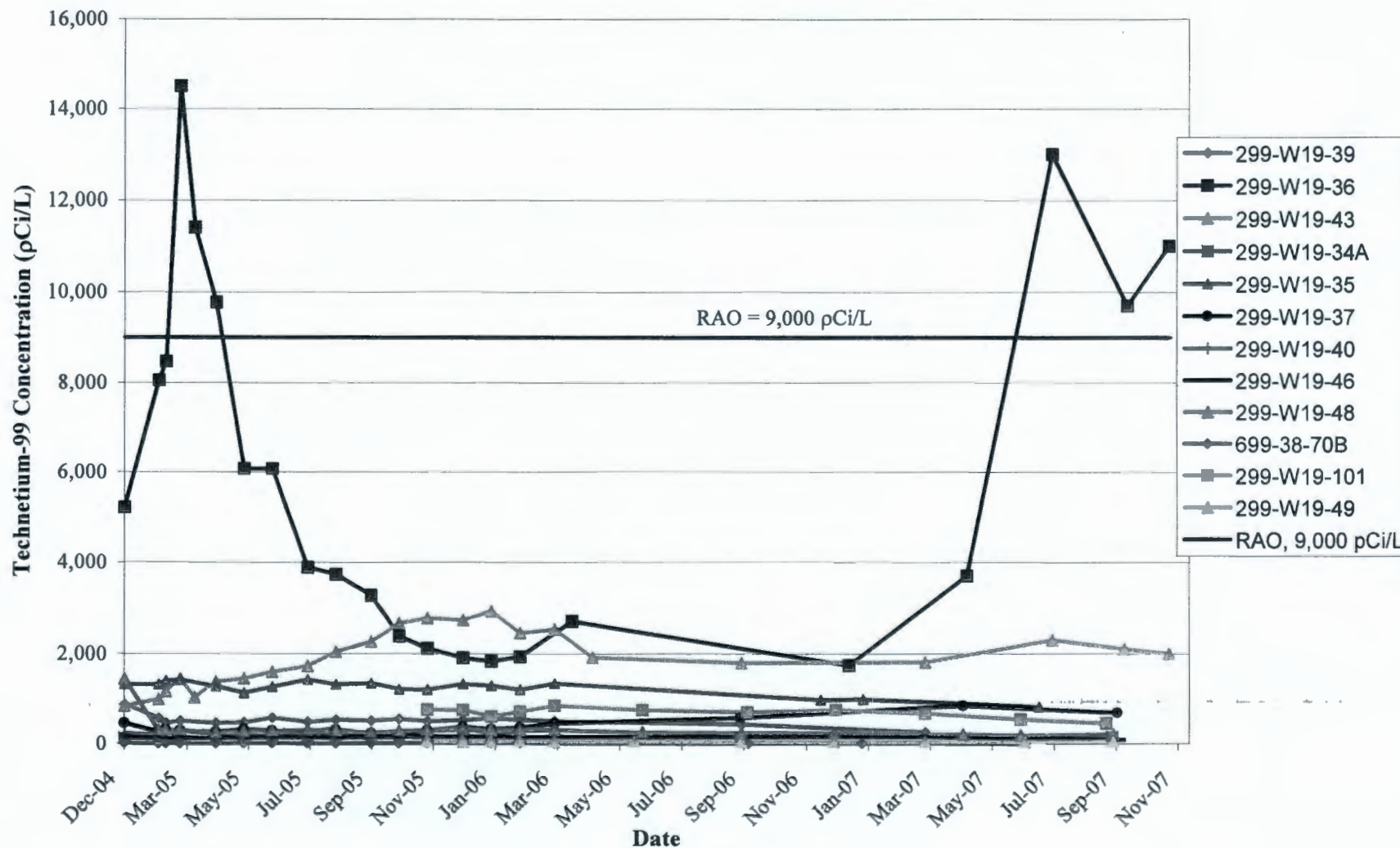
200-UR-1 Ecology

- Radiological surveys for the eastern portion of the BC Control Area are currently close to being completed.
- West Lake DQO summary report – Ecology's review workshop is planned for the week of January 14, 2008.

200-UP-1, Uranium ($\mu\text{g/L}$)



200-UP-1, Technetium-99 (pCi/L)



Attachment 8



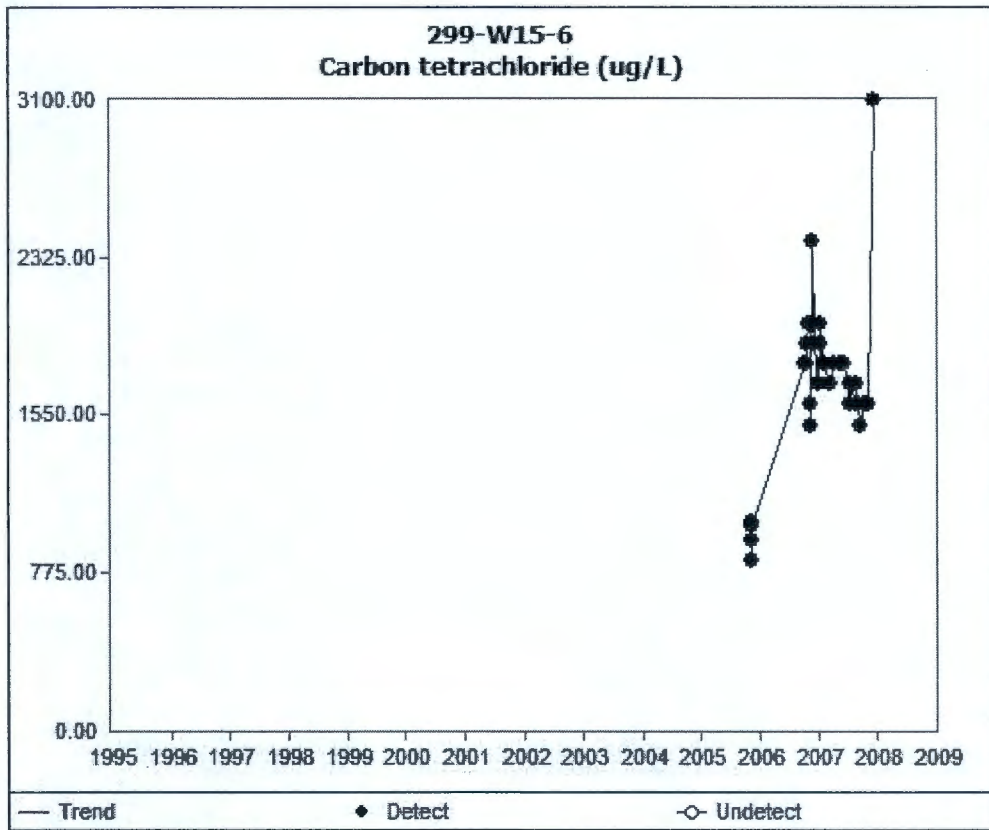
W15-765
Purolite resin skid

#4
#5

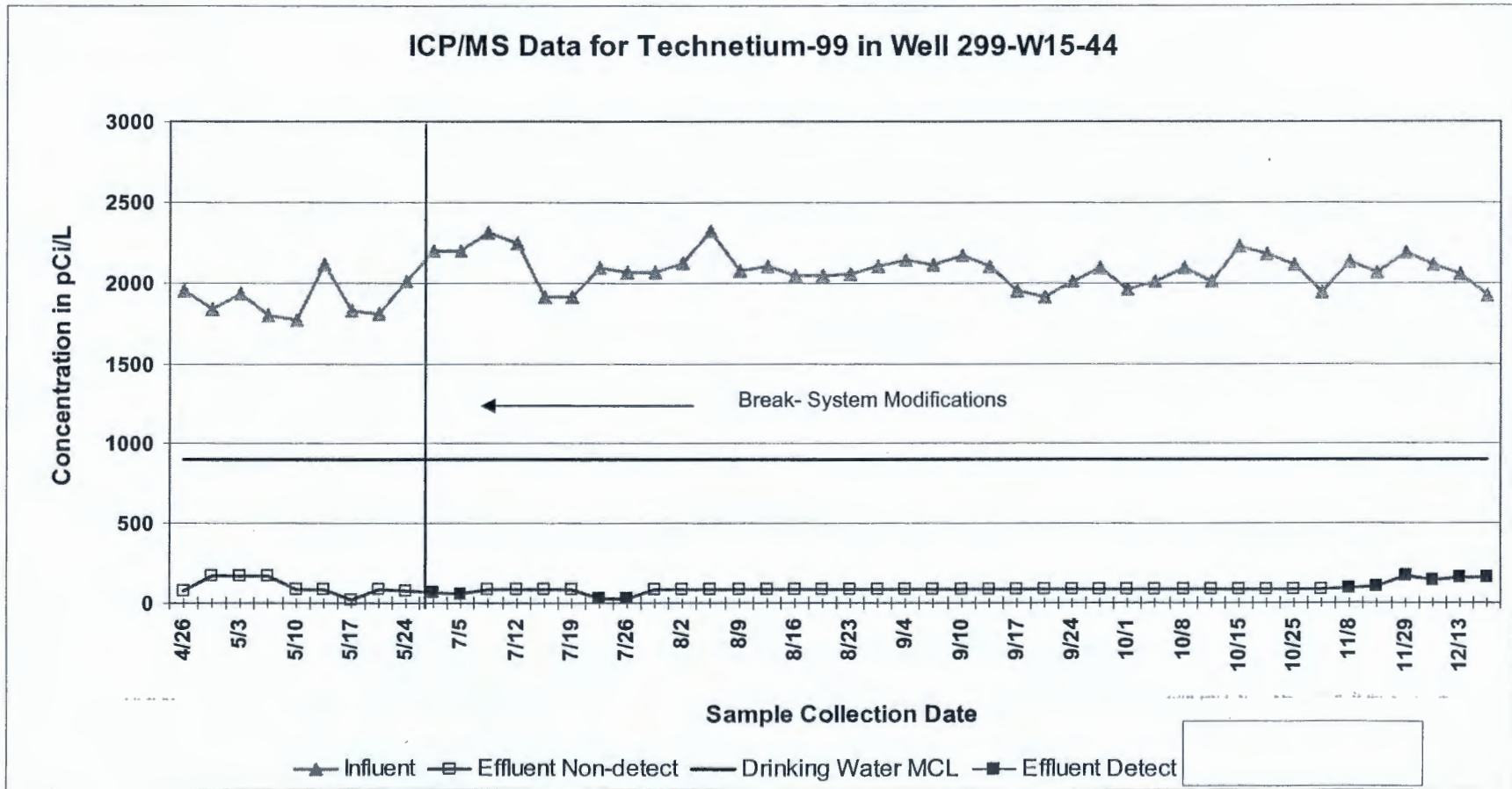
TX-TY
Tank Farm

Spill Sample Analytical Results (Preliminary)

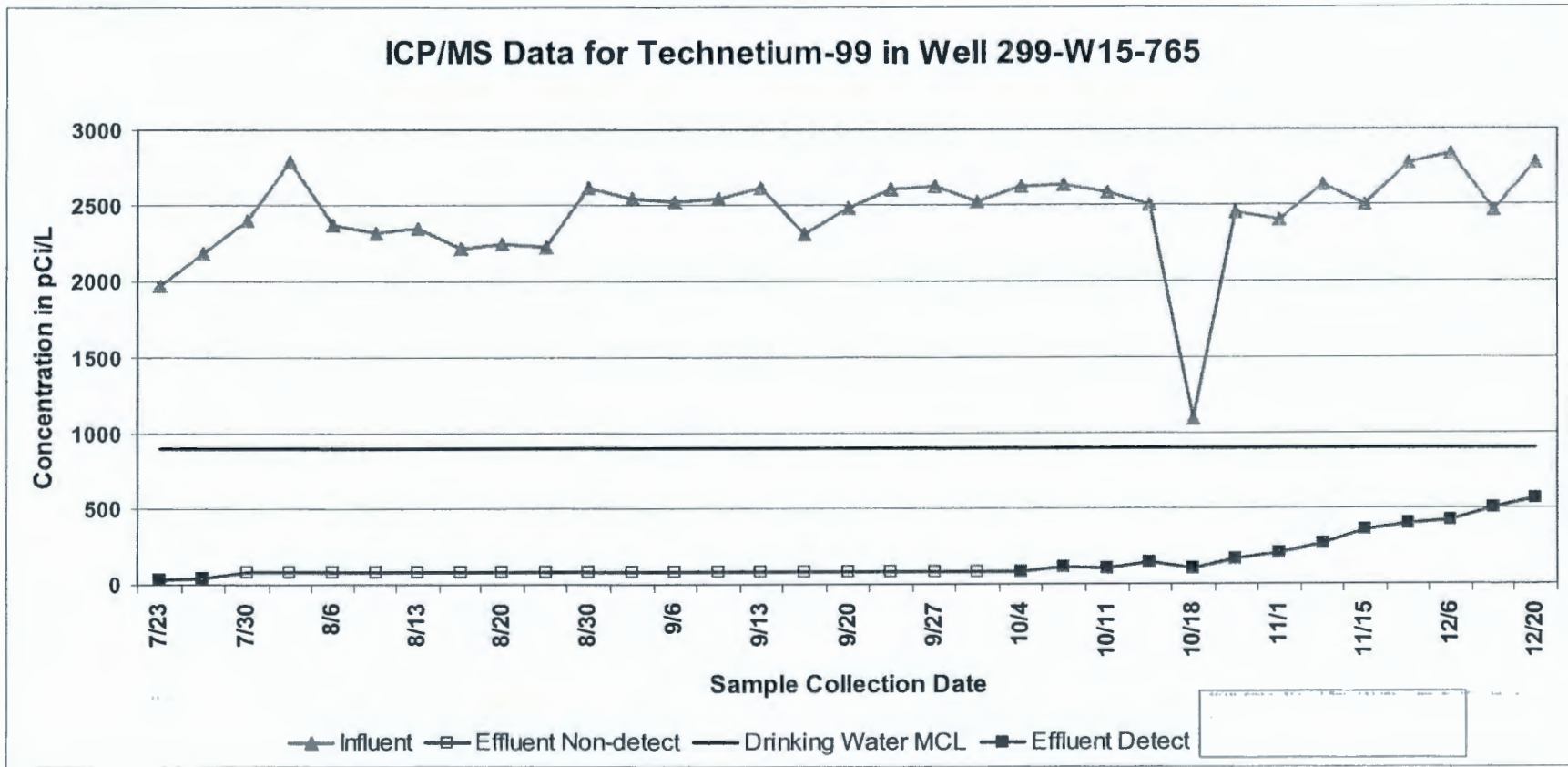
Location	HEIS Number	Tc-99	Nitrate -N	HEIS Number	TCE	CCl4	HEIS Number	VOA Method Blank
1	B1RWH1	Not Detected	1.00 mg/kg	B1RWJ2	Not Detected	13.0 ug/kg	B1RWJ7	
2	B1RWH2	Not Detected	3.41 mg/kg	B1RWJ3	Not Detected	Not Detected	B1RWJ8	
3	B1RWH3	Not Detected	5.95 mg/kg	B1RWJ4	Not Detected	32 ug/kg	B1RWJ9	
4	B1RWH4	Not Detected	1.38 mg/kg	B1RWJ5	Not Detected	Not Detected	B1RWK0	
5	B1RWH5	Not Detected	0.36 mg/kg	B1RWJ6	Not Detected	Not Detected	B1RWK1	



Technetium-99 ICP/MS Data for Ion Exchange Column at 200-ZP-1 Extraction Well 299-W15-44



Technetium-99 ICP/MS Data for Ion Exchange Column at 200-ZP-1 Extraction Well 299-W15-765



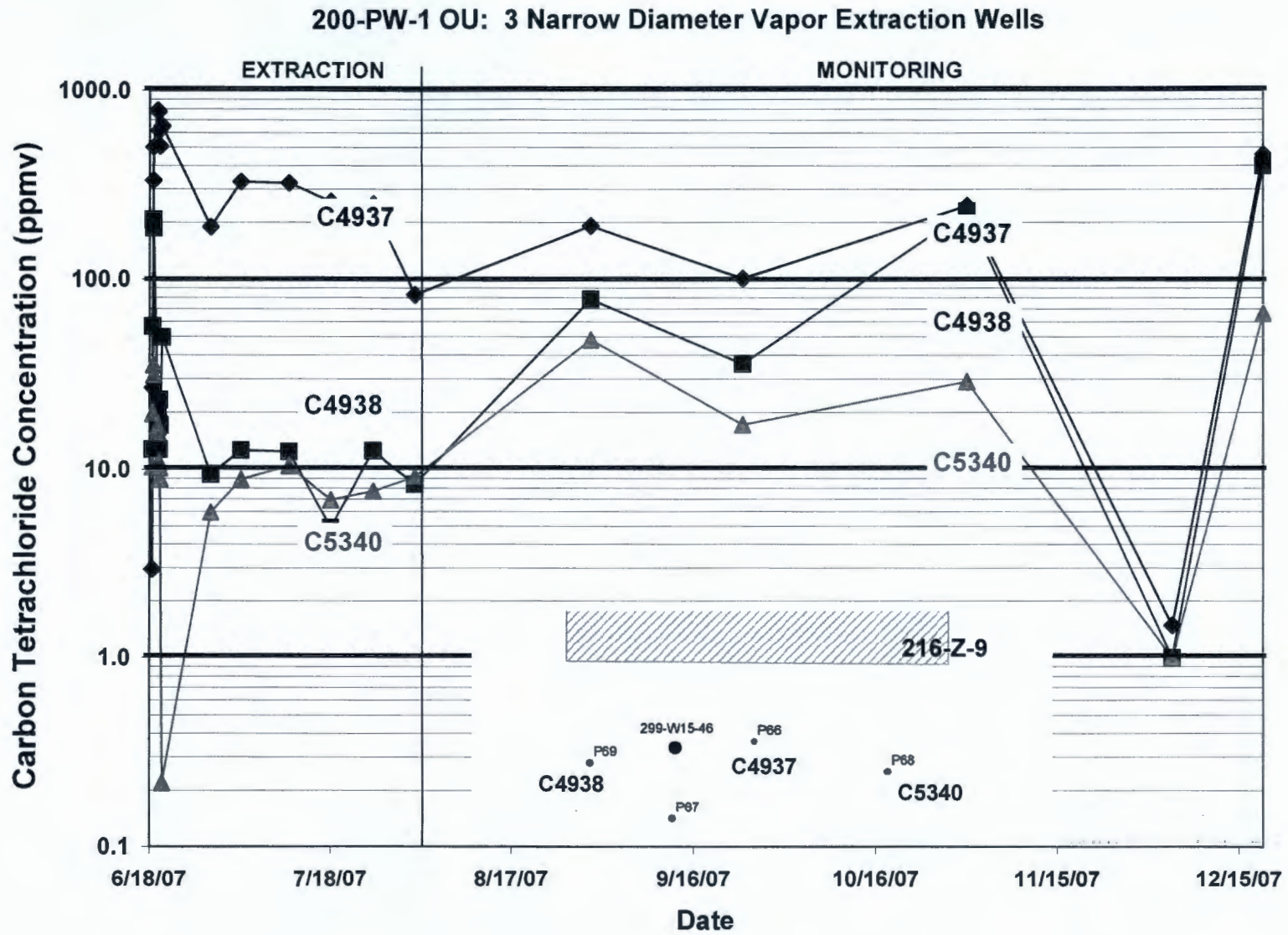


Figure 1: Well 699-52-55A Location Map.

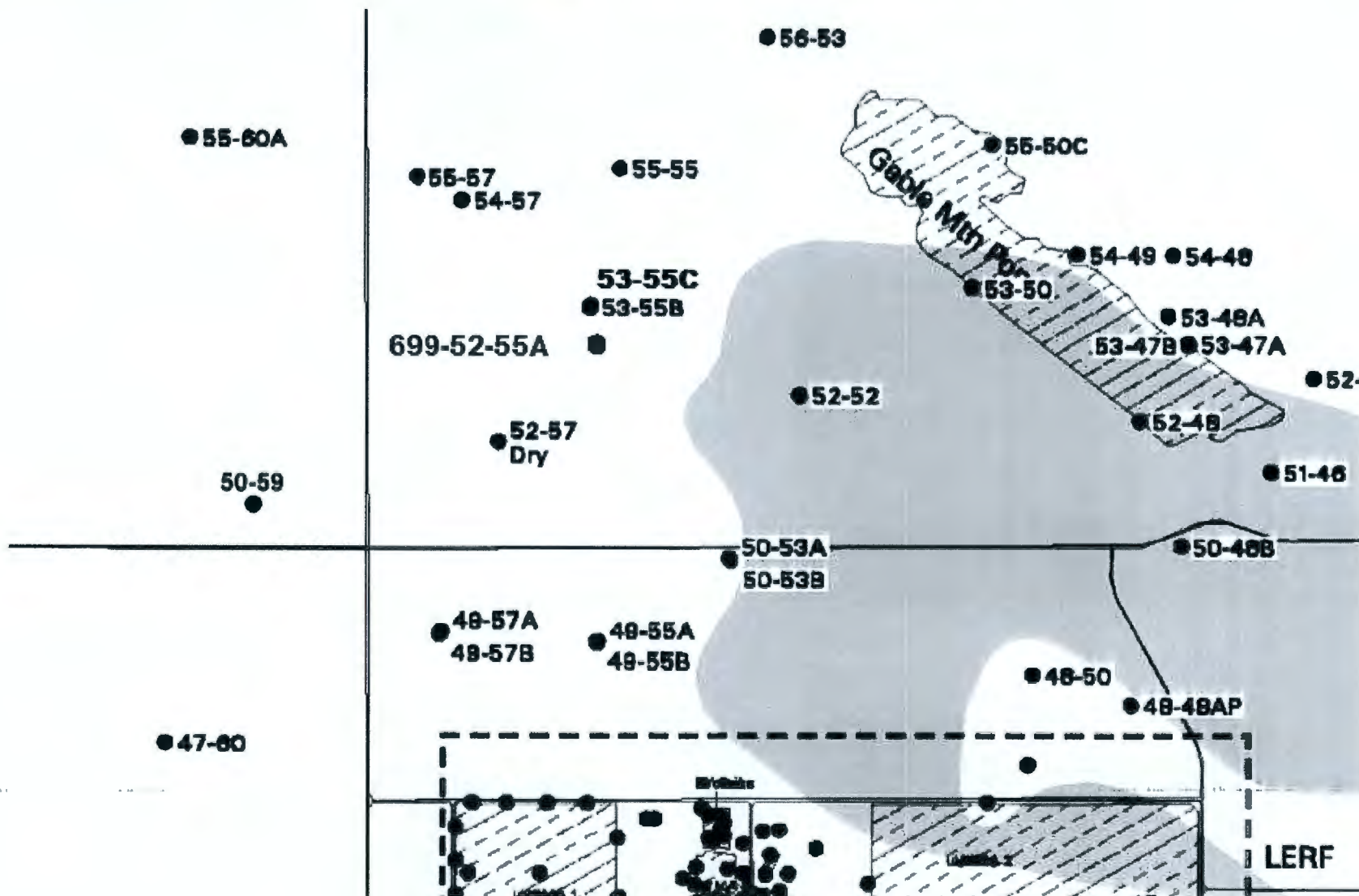


Figure 2 Wells 299-E33-343 and 299-E33-344 Location Map.

