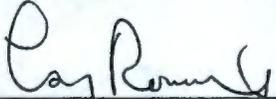
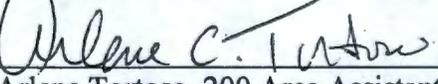
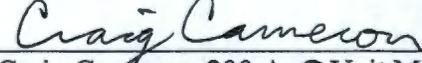
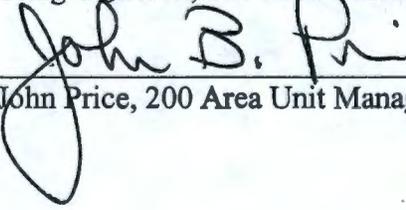


Meeting Minutes Transmittal/Approval
Unit Managers' Meeting
200 Area Groundwater and Source Operable Units
1200 Jadwin Avenue, Richland, Washington
February 17, 2005

APPROVAL:  Date: 3-23-05
Larry Romine, 200 Area Unit Manager, DOE/RL

APPROVAL:  Date: 4/12/05
Arlene Tortoso, 200 Area Assistant Manager, DOE/RL

APPROVAL:  Date: 4/5/05
Craig Cameron, 200 Area Unit Manager, EPA

APPROVAL:  Date: 4/7/05
John Price, 200 Area Unit Manager, Ecology

RECEIVED
APR 22 2005
EDMC

UNIT MANAGERS' STATUS MEETING MINUTES
1200 Jadwin/Rm 1-C1
February 17, 2005

Meeting Minutes are attached. Minutes are comprised of the following:

Attachment 1	Attendance Record
Attachment 2	Agenda and Source Status
Attachment 3	Action Item List
Attachment 4	Groundwater Status/Rebound Data
Attachment 5a	ZP-1 Decommissioning Well List
Attachment 5b	ZP-1 Supplemental Well List
Attachment 6	UP-1 Decommissioning Well List
Attachment 7	Agreements and Issues List
Attachment 8	Float Table

UNIT MANAGERS' STATUS MEETING AGENDA

1200 Jadwin/Rm 1-C1

February 17, 2005

GROUNDWATER OPERABLE UNITS STATUS (8:30-9:15)

200-BP-5 & 200-PO-1 OUs

- Sampling and Analysis Plans status
- Revised Tables in Waste Control Plans
 - Approval of updated 200-BP-5 Waste Control Plan Well Decommissioning Table
 - Approval of updated 200-PO-1 SAP and Waste Control Plan Tables
- Plans for drilling new wells in 200-PO-1 at BC Cribs

200-UP-1 OU

- Remediation Treatment Status
- RI/FS Work Plan Status – Incorporating Ecology comments
- Update on Rebound Study

200-ZP-1 OU

- Remediation Treatment Status
- Update on Expanding P&T System to North
- Update on Contained-In for 5 Current Extraction Wells

200-PW-1, 200-ZP-2 OU

- Remediation Treatment Status – The soil vapor extraction operating plan will be prepared to support restart of operations in April 2005. The plan will be sent to DOE-RL and EPA prior to the next UMM for review. Use of well 299-W15-8 for vapor extraction will be included in the plan.
- Monthly Monitoring – Monthly carbon tetrachloride soil vapor monitoring was conducted in January 2005 (Carbon Tetrachloride Rebound Concentrations are attached). The results were consistent with monitoring results from previous months.

SOURCE OPERABLE UNITS STATUS (9:30-10:00)

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

- Continued pre-job planning for A-8 borehole and Z-9 slant well.
- The Sampling and Analysis Plan for Step II of the dispersed carbon tetrachloride vadose zone plume investigation includes vadose zone soil vapor sampling in the

vicinity of Trench 4 in the 218-W-4C Burial Ground. EPA expressed a preference to conduct this sampling directly through the trench floor after the drums of retrievably stored waste have been removed. The drums are scheduled to be removed by 12/31/06. The RI report is due 6/30/06. EPA indicated that the data are just needed to support the proposed plan, due 9/30/07.

- 216-Z-9 vertical borehole reached total depth (525 ft bgs) on 1/24. Borehole will be completed as a groundwater well screened from 210 to 290 ft bgs (water table is 223 ft bgs).
- Passive soil vapor survey conducted in vicinity of 216-Z-1A on a refined grid spacing from 1/31 to 2/4 by Vista Engineering Technologies as part of the carbon tetrachloride DNAPL investigation.

U Plant Area

- Informally transmitted to Ecology and EPA on 2/3 Rev. 0 of the Proposed Plan. Official copy transmitted to RL on 2/4.
- Received on 1/27 Ecology's comments on the FFS, Draft C.
- Initiate drilling (Auger) on 2/22 at high risk wastes depending on written concurrence from Ecology as requested in the January 2005 UMM.
- CDI – Incorporating public comments from period ended January 31.

BC Cribs Area Closure

- Finalizing FFS and PP by incorporation of informal comments from EPA.
- Contract awarded to perform expanded high resolution resistivity (HRR) characterization and associated ground-truthing activities.

200-TW-2 & 200-PW-5 (no change)

200-CW-1 & 200-CW-3 OUs (no change)

200-PW-2 & 200-PW-4 OUs

- Decommissioning activities at the 216-S-7 Crib borehole were completed on 1/20/05.
- A third Comment Disposition Meeting was held 1/27/05 on RI report. Comment incorporation underway. Redline/strikeout of text has been prepared. Discussions continuing with RL and Ecology on remaining issues. Next meeting scheduled for 2/22.
- Feasibility Study preparation is underway.

200-CS-1 OU (no change)

200-CW-5, CW-2, CW-4, & SC-1 OUs

- Availability of EPA staff reprioritization to focus on near term activities for 300 Area Facility D&D has resulted in a delay in receiving comments. Comments expected February 22, 2005

- Received Ecology comments via EPA January 4, 2005
- Agreement was reached on CW-5 RESRAD parameters. RESRAD runs are underway.

Central Plateau Ecological Risk Assessment

- Held DQO meeting with Trustees.
- Developed sampling strategy for non-rad constituents.

200-IS-1 & 200-ST-1

- Ecology sent letter indicating their intention to take a 60-day review of the work plan.
- Efforts continued on pipeline mapping.

200-LW-1/200-LW-2

- Initiated drilling at 216-Z-7.
- Initiated efforts on the RI Report.

200-MW-1

- Completed the 216-U-3 borehole and the 216-T-33 borehole.
- Continued planning efforts for the 216-T-13 test pit and an auger hole at 200-E-4; continued planning to restart 216-A-4 borehole.

200-UR-1

- Continuing to revise document based on Ecology comments.
- Revising cost estimates.

200-SW-1/2

- DOE-RL and Ecology are participating in meetings to resolve major comments on the Draft A RI/FS work plan.

General

- Outstanding Action Items
- Open for Regulatory Topics or Action Items
- Risk Assessment Configuration Management Board Update

ISSUE RESOLUTION MEETING (10:00-11:30)

- (See Issues List)

**200 Area Unit Managers' Meeting
OPEN ACTION ITEMS & TRACKING**

Action #	Action/Subject	Assigned To	Owed To	Assigned Date	Original Due Date	Adjusted Due Date	Date Complete	Status
36	Review Modeling lessons learned from TW-1 for applicability to other OUs. Make best of data we have. Larry: Follow-on meeting.	Benecke						A formal fix is in progress. RL/EPA & Ecology met to collect input to address regulatory agency concerns. J. Morse to provide summary @ Nov. UMM
37	Foley suggests Larry/Mike to talk to Bill McMahan. Dual porosity not done. Ecology agreed with EPA that the current modeling is not acceptable. Opportunity to use dual porosity to help guide that.	FH	RL	09/16/04				
38	All agencies to provide written notification and who is designee when unable to attend.	RL/EPA/Ecology	RL/EPA/Ecology				Ongoing	Requirement per TPA
39	Review/Approve Decommissioning List for UP-1	Ecology DOE/FH		01/20/05				
40	Review/Approve Decommissioning List for ZP-1	EPA		01/20/05				
41	Reconstruct Agreements for ZP-1 Expansion	Mark Byrnes	DOE-RL	01/20/05	02/17/05			
42	Set up COPC meeting	Stuart Lutrell	FH/RL	01/20/05	before 02/17/05			
43	Develop charter for ROD strategy to discuss at next UMM	RL	EPA/Ecology	01/20/05	02/17/05			
44	Complete UMM minutes per plan presented at January UMM	FH/RL	EPA/Ecology	01/20/05	02/17/05			
45	Provide a list of issues concerning combining 200-CW-1 and 200-CS-1 FS	Ecology	FH/RL	01/20/05	02/17/05			Complete
46	Enter signed 200-UP-1 Rebound Study Operating Plan into the meeting minutes			01/20/05			1/20/2005	Attachment 10 to 01/2005 UMM minutes
47	Approve decommissioning lists	Ecology/EPA	RL/FH	01/20/05	02/17/05			Attachment 6 to 01/2005 UMM minutes
48	Provide a 200-BP-5 schedule and an updated 200-P1 schedule to regulatory agencies	PNNL/RL	EPA/Ecology	02/17/05	03/17/05			

**200 Area Unit Managers' Meeting
OPEN ACTION ITEMS & TRACKING**

Action #	Action/Subject	Assigned To	Owed To	Assigned Date	Original Due Date	Adjusted Due Date	Date Complete	Status
49	Include additional information (i.e., well location and reason for decommissioning) on lists of wells to be decommissioned; conversely, schedule a meeting with regulatory agencies to discuss	PNNL/RL/FH	EPA/Ecology	02/17/05	as decommissioning lists are incorporated into UMM and other documents			
50	Provide comments on the 200-PO-1 Waste Control Plan revisions	Ecology	RL/PNNL	02/17/05	03/17/05			
51	Report 200-TW-1/2 separately on the float table	RL/FH	EPA/Ecology	02/17/05	03/17/05			
52	Include a target date on the float table for 200-CW-1/200-CW-3/200 North Area Waste Sites	RL/FH	EPA/Ecology	02/17/05	03/17/05			
53	Review original TPA and early change packages for better understanding on requirements for 2008 M-015 milestone; mock up change package to provide clarification of requirements to meet 2008 milestone to be included in next modification to M-15	All		02/17/05	TBD			
54	Evaluate impacts of the rail cars and decisions/timeframes to remove them on the ROD for 200-UR-1	Ecology	RL	02/17/05	TBD			
55	Provide letter agreeing to investigation plan for 200-UW-1	Ecology	RL/FH	02/17/05	ASAP			
56	Discuss Region 10 comments on 200-UW-1 Proposed Plan to resolve path forward on RCRA/CERCLA integration	EPA/Ecology	RL/FH	02/17/05	03/17/05			
57	Set up meeting to clarify analyte lists for groundwater and soil work; include staff the handle data and laboratory staff that can discuss methods; focus on groundwater but include source staff (2-hr meeting)	RL/PNNL	Ecology	02/17/05	Prior to 03/17/2005			
58	To provide a response to Ecology's comment requesting revision of 200-CS-1 data tables to be in line with 200-PW-2/4, review costs, methods, and impacts to the RI Report	RL/FH	Ecology	02/17/05	ASAP			

200 Area UMM – February 2005

200-UP-1:

- The Rebound Study started January 26.
- The first two rounds of groundwater sampling were successfully implemented 7 and 14 days after the system was turned off.
- The first set of analytical data will be arriving today.
- Rebound Study Operating Plan was incorporated as an attachment to the January 2005 200 Area UMM meeting minutes.
- RI/FS Work Plan – Document goes into editing next week.
- As requested by Ecology, I added two additional line items to the RI/FS schedule in the Work Plan to note the time period for new well drilling/installation and sampling/analysis.

200-ZP-1:

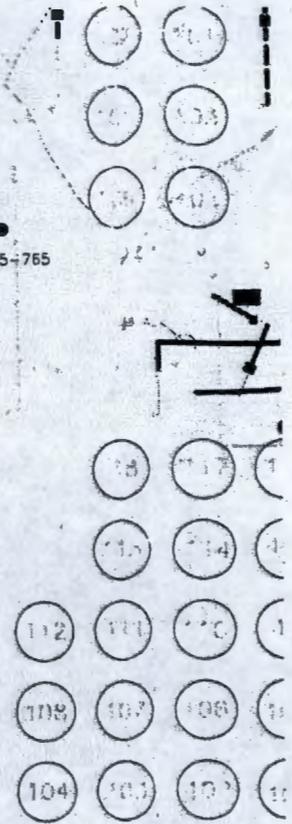
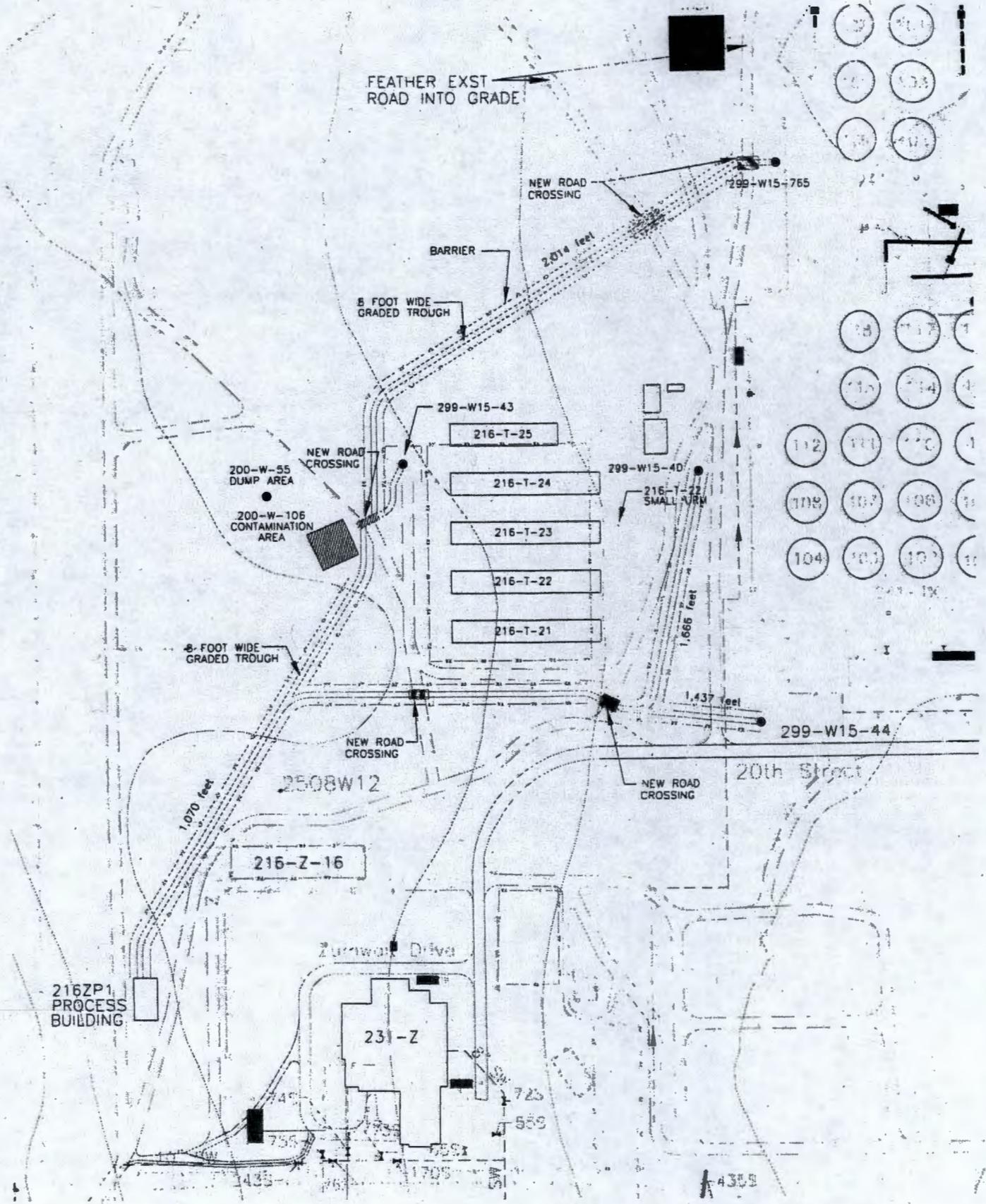
- EPA and DOE-RL have requested that existing 200-ZP-1 groundwater monitoring wells 299-W15-40, 299-W15-43, 299-W15-44, and 299-W15-765 be converted to groundwater extraction wells by July 31, 2005 for the purpose of capturing the 2,000 ug/L carbon tetrachloride contour that extends north of the current pump-and-treat system. Attachments 1 shows the location of the four proposed new groundwater extraction wells
- Average Pumping Rate for January 3 through January 30, 2005: 186 gpm
- The starter recently went out in extraction well #5 and will be replaced in the next few days.
- From January 3 through January 30, 2005 the system operated between 176 and 198 gpm (see Attachment 2).
- System Run Time

➤ For January 3 through January 30	95.6%
➤ FY2004 (Year to date)	92.7%
➤ System Inception to date	92.6%
- Design work for the ZP-1 pump-and-treat expansion is scheduled to be complete February 25, construction will start March 14. Could be finished as early as the end of June, but we are keeping the July 31 as the certain completion date.
- John Winterhalder discussed the status of looking into a "Contained-In" determination to remove the need for ZP-1 leak detection.
- Vista Engineering's DNAPL investigation is very close to on schedule. Groundwater sampling done around first week in March. Cross-well geophysics will start in March. CPT pushes will start in March as well.
- New wells "E" (299-W15-50) is currently been installed. Location map and depth discrete groundwater analytical results are attached (see Attachments 3 and 4). Highest concentration of CCL4 was found around 45 feet below the static water level.
- Depth-discrete groundwater samples collected from new T Farm detection well "T1" (299-W11-25) showed 180,000 pCi/L Tc-99 35 feet below top of water table (Attachments 5 and 6).
- RI/FS Schedule:
 - RI Report preparation is scheduled to begin October 1, 2005
 - Feasibility Study/Proposed Plan is scheduled to begin October 1, 2006

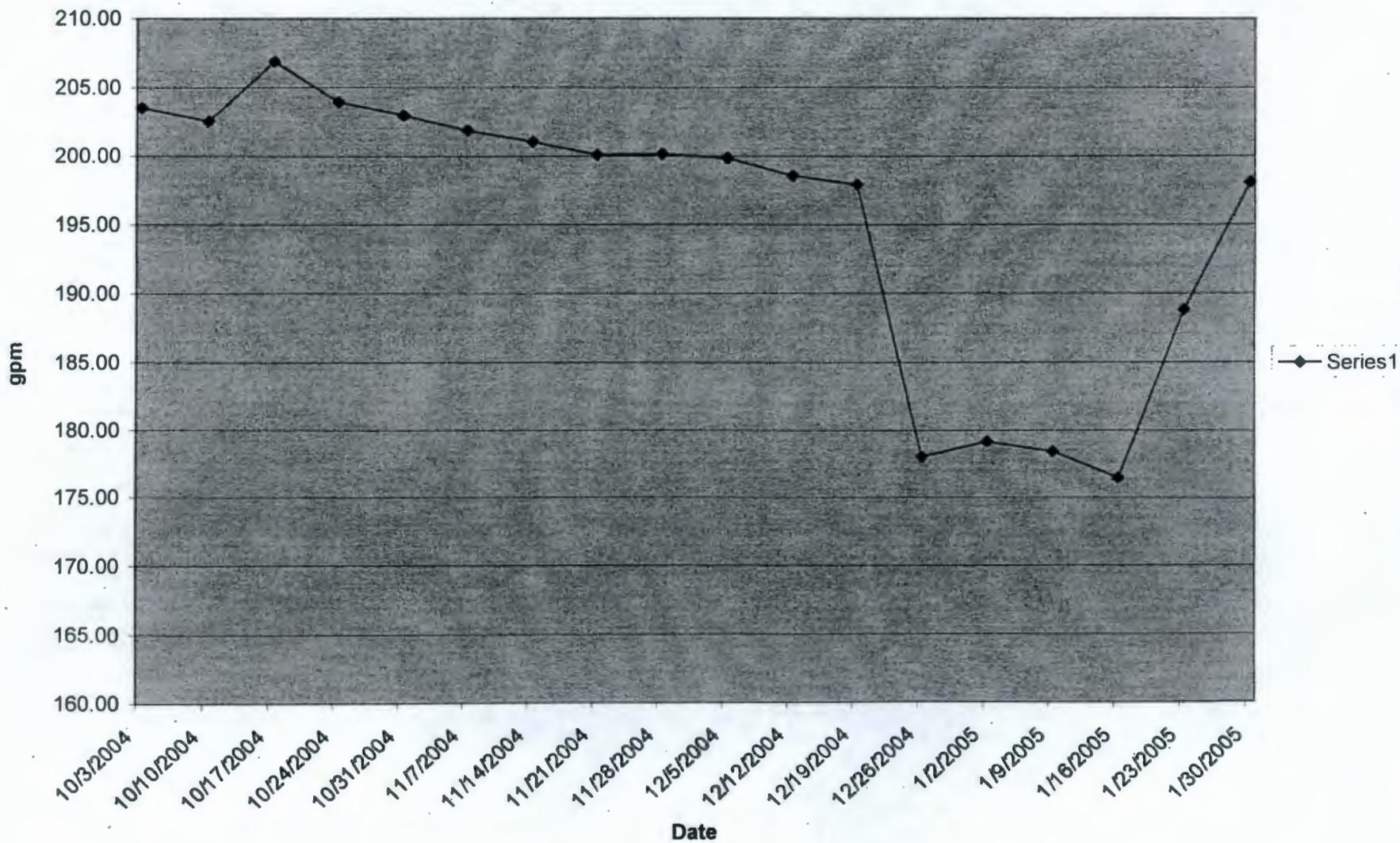
200-PW-1 (200-ZP-2):

- Active system is shutdown for the winter
- The passive system remains operational

Attachment 1

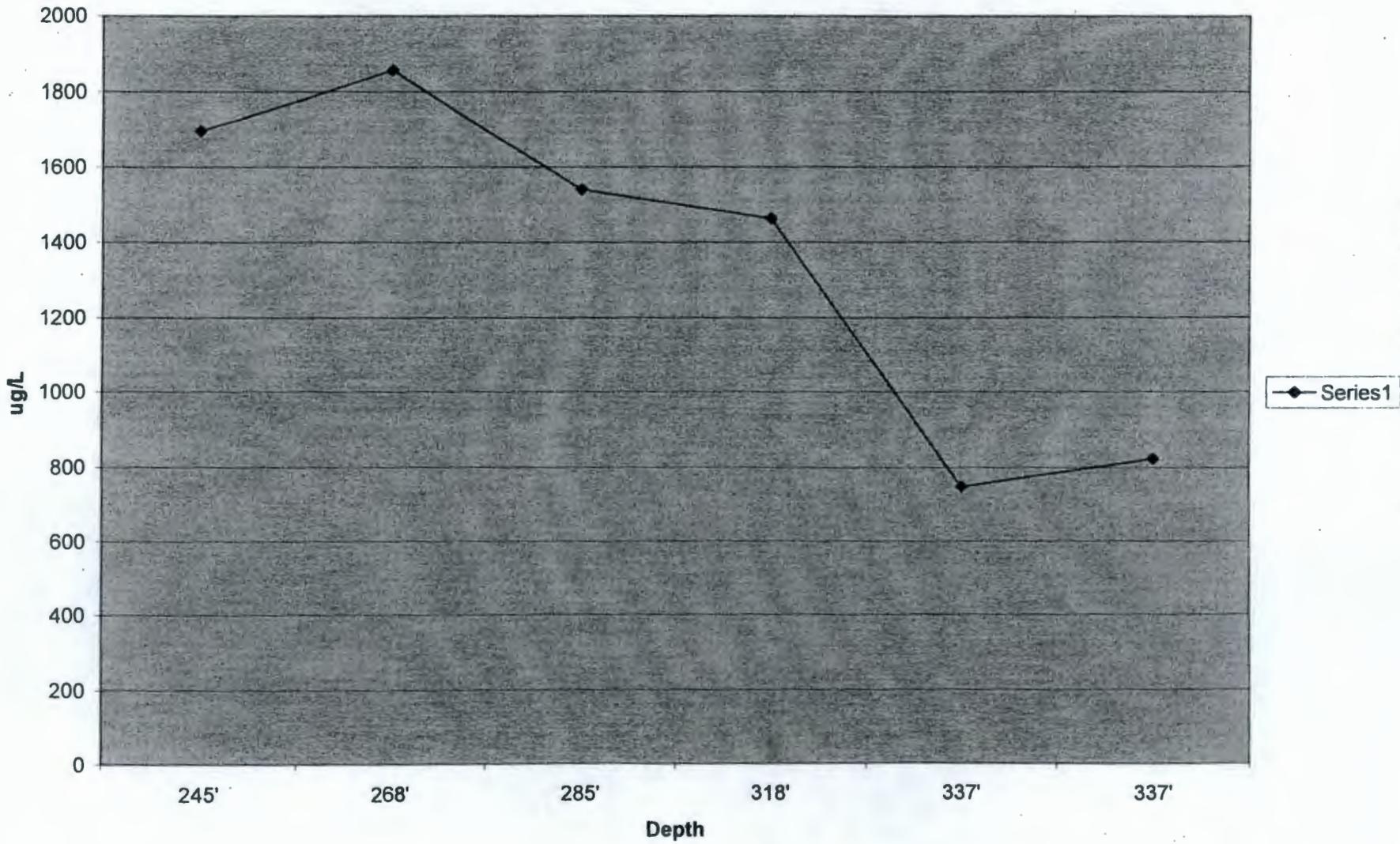


200-ZP-1 Average Pumping Rate for FY2005



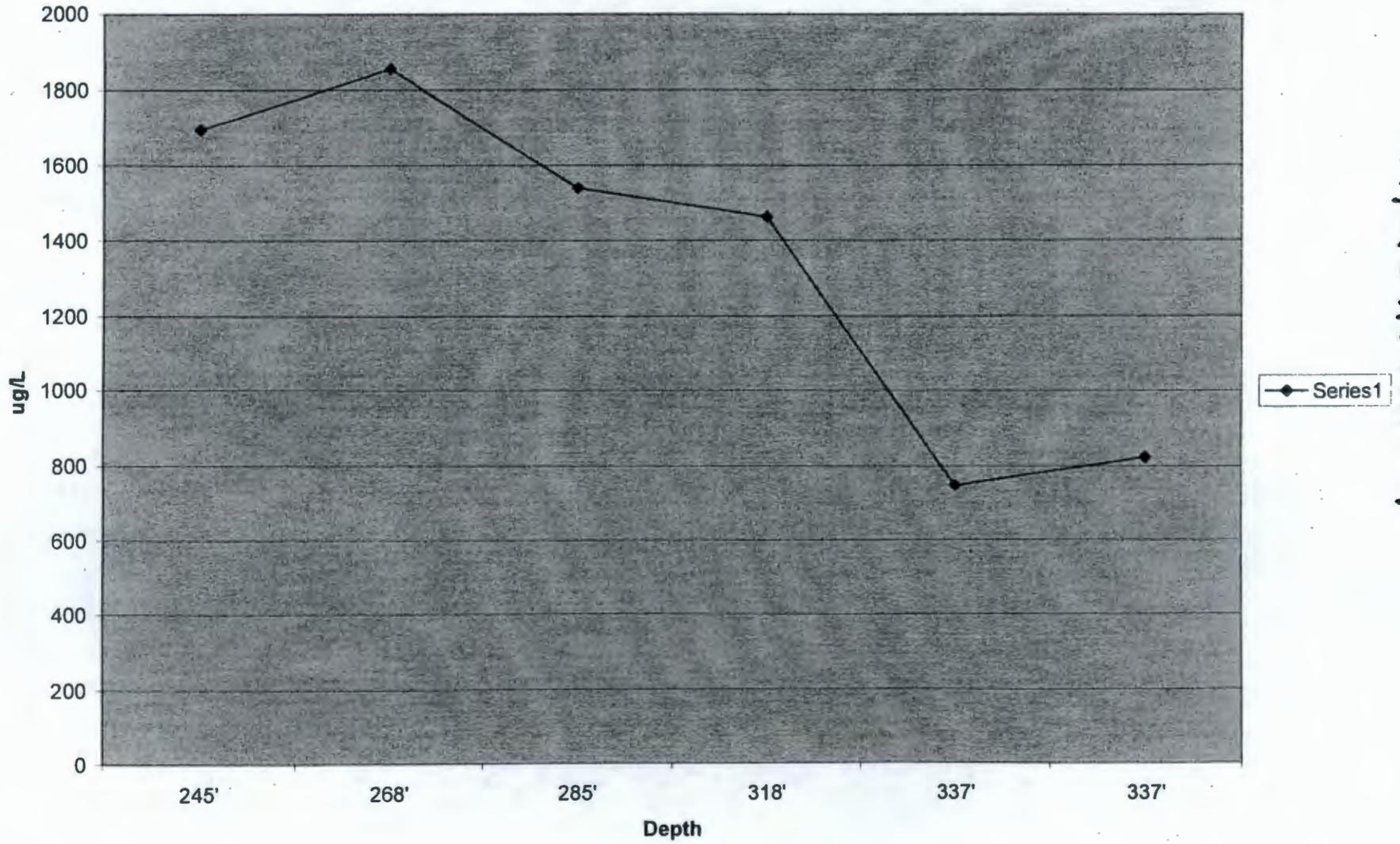
Attachment 2

Carbon Tetrachloride Concentration - New Well "E" 299-W15-50



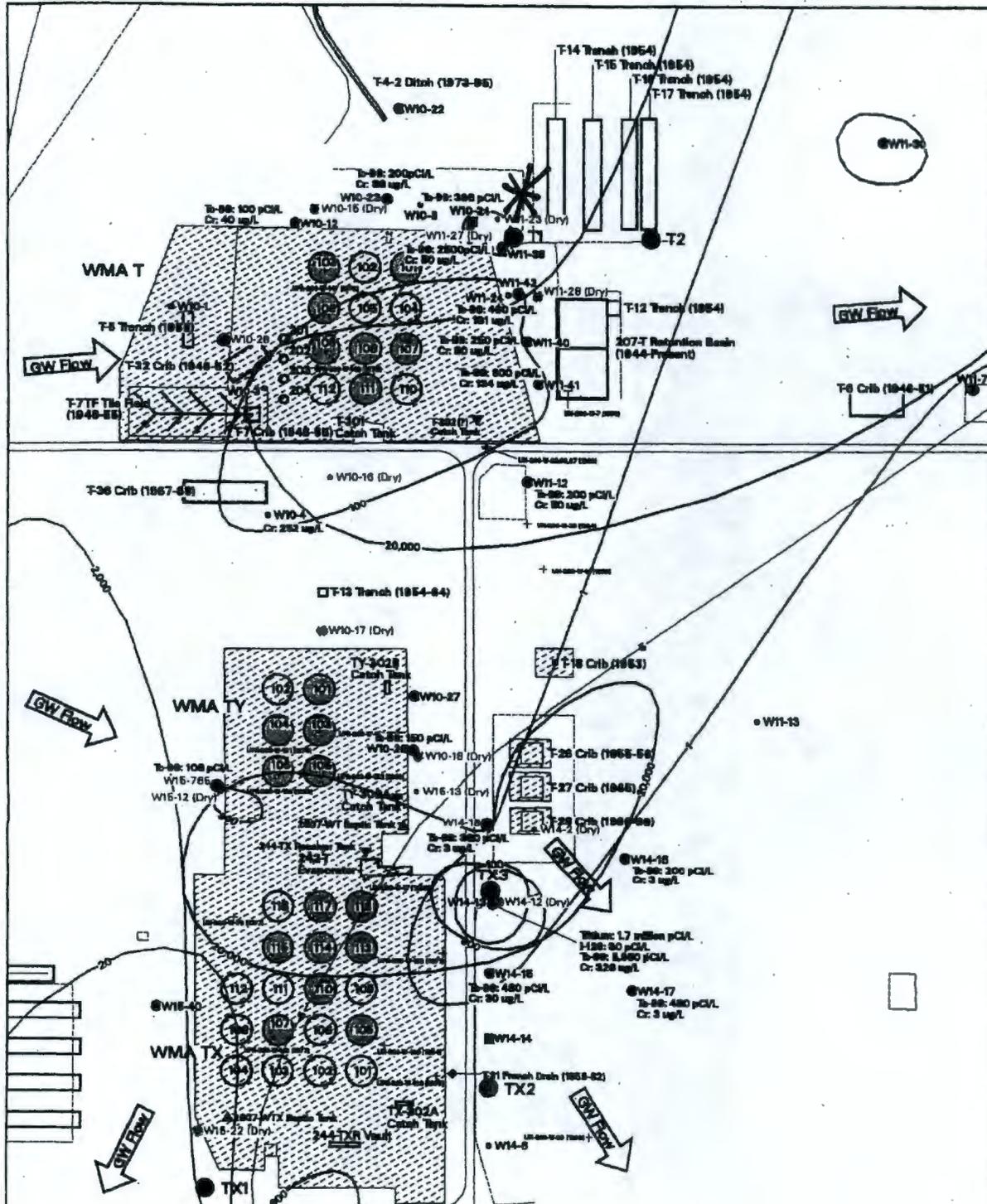
Attachment "4"

Carbon Tetrachloride Concentration - New Well "E" 299-W15-50



Attachment "4"

Attachment "5"

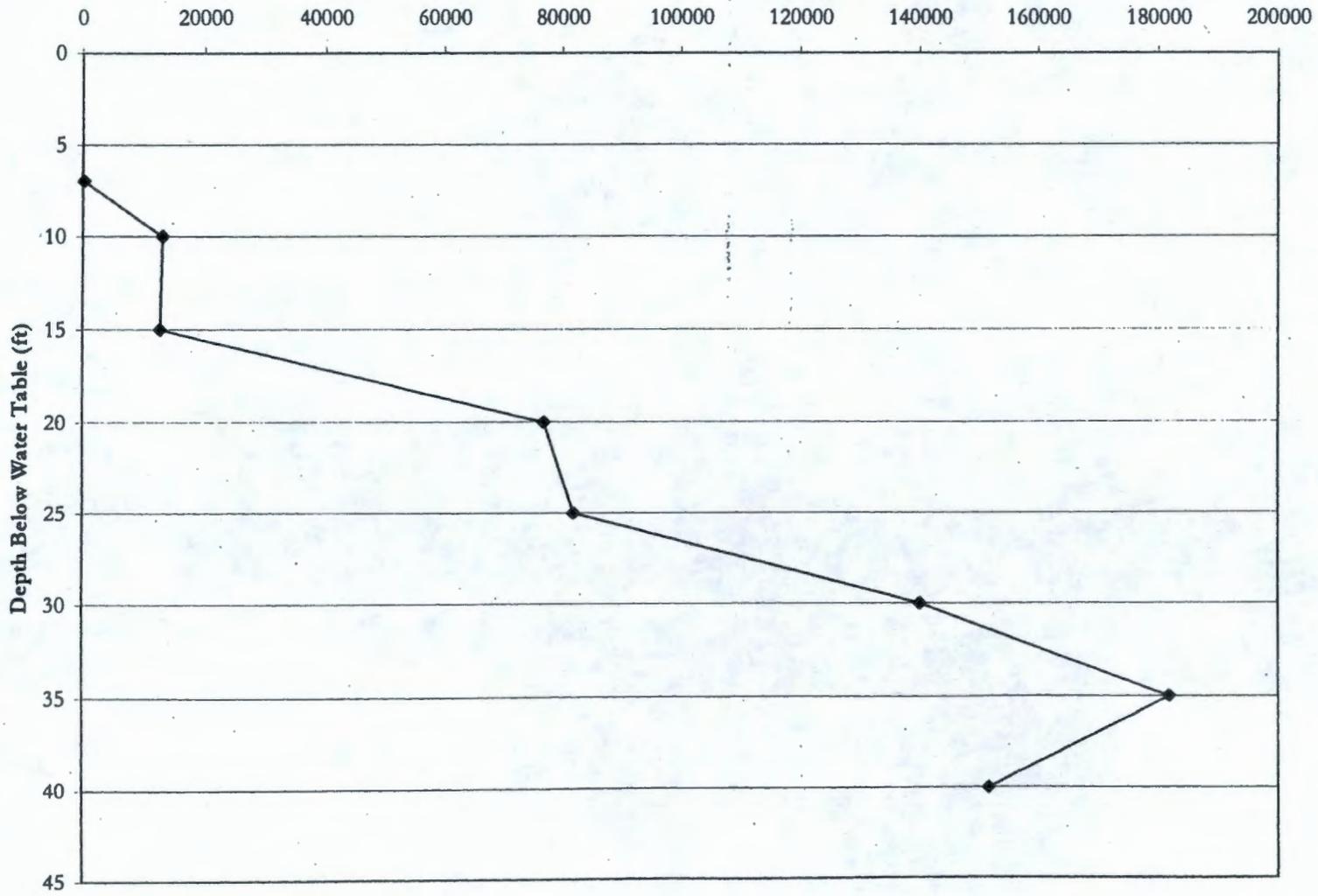


T Tank Farm

299-W11-25

Tc-99

Concentration (pCi/L)



—●— Technetium-99

Attachment 6"

Comparison of Maximum Carbon Tetrachloride Rebound Concentrations
Monitored at 200-PW-1 Soil Vapor Extraction Sites
FY 1999 - FY 2005

200-PW-1 (200-ZP-2)		July 1999 - June 2001		July 2001 - June 2002		July 2002 - September 2003		July 2002 (Z-9) or October 2003 (Z-1A) - March 2004		July 2002 (Z-9) or April 2004 (Z-1A) - September 2004		October 2004 - January 2005	
Location (Well or Probe) /feet bgs	Site	Maximum Rebound Carbon Tetrachloride (ppmv)	months* of rebound	Maximum Rebound Carbon Tetrachloride (ppmv)	months* of rebound	Maximum Rebound Carbon Tetrachloride (ppmv)	months* of rebound	Maximum Rebound Carbon Tetrachloride (ppmv)	months* of rebound	Maximum Rebound Carbon Tetrachloride (ppmv)	months* of rebound	Maximum Rebound Carbon Tetrachloride (ppmv)	months* of rebound
79-03/ 5 ft	Z-18												
79-06/ 5 ft	Z-1A												
79-11/ 5 ft	Z-1A												
86-05/ 5 ft	Z-9												
86-05-01/ 5 ft	Z-9												
86-06/ 5 ft	Z-9												
87-05/ 5 ft	Z-1A												
87-09/ 5 ft	Z-1A												
94-02/ 5 ft	Z-9												
95-11/ 5 ft	Z-9												
95-12/ 5 ft	Z-9												
95-14/ 5 ft	Z-9												
CPT-13A/ 9 ft	Z-1A												
CPT-16/ 10 ft	Z-9												
CPT-17/ 10 ft	Z-9	6.6	24	3.2	6	6.6	15	9.0	21	9.9	27	6.4	3
CPT-18/ 15 ft	Z-9	5.2	24	1.4	6	2.4	15	2.4	21	2.5	27	3.1	3
CPT-4A/ 25 ft	Z-1A	3.5	0	3.4	10								
CPT-4E/ 25 ft	Z-1A	not measured		2.8	12	1.3	0			2.4	0		
CPT-16/ 25 ft	Z-9	1.8	24	1.1	6	2	15	2.6	21	3.6	27	4.4	3
CPT-31/25 ft	Z-1A												
CPT-32/ 25 ft	Z-1A	16.5	18	13.0	12	8.3	6	6	6			2.7	4
CPT-30/ 28 ft	Z-18	1.4	18	0	12	0	6	0	6			1.5	4
CPT-13A/ 30 ft	Z-1A	3.6	18	2.8	12	1.6	6	2	6			7.1	4
CPT-7A/ 32 ft	Z-1A	6.2	18	5.6	12	3.9	6	9.5	6	1.9	0	3.9	4
CPT-27/ 33 ft	Z-9	2.8	24	1.5	6	1.7	15	2.7	21	2.7	27	6.4	3
CPT-1A/ 35 ft	Z-12	7.7	18	11.3	12	22.0	15	18.3	6	18.0	0	14.0	4
CPT-28/ 40 ft	Z-9			56.5	6								
CPT-33/ 40 ft	Z-1A			2.3	12								
CPT-34/ 40 ft	Z-18	1.9	0	2.2	12	1.6	0			1.8	0		
CPT-21A/ 45 ft	Z-9	127	24	133	6	90.0	15	150	21	150	27	146	3
W15-220ST/ 52 ft	Z-9	2.5	24			1.5	1						
CPT-26/ 60 ft	Z-9												
CPT-9A/ 60 ft	Z-9	68	24	45.3	6	35.9	15	35.9	21	35.9	27	32.4	3
CPT-C3872 / 61 ft	Z-1A											5.9	4
CPT-16/ 65 ft	Z-9	not measured		not measured		4.2	15			4.2	27	6.7	3
CPT-1A/ 68 ft	Z-12	not measured		5.5	12								
CPT-30/ 68 ft	Z-18												
CPT-32/ 70 ft	Z-1A			7.7	12								
CPT-13A/ 70 ft	Z-1A												
CPT-24/70 ft	Z-9					4.7	15			9.1	27		
W15-219SST/ 70 ft	Z-9	7.8	24			1.9	1			9.5	22		
CPT-18/ 75 ft	Z-9	18	24			4.5	15			8.3	27		
CPT-4A/ 75 ft	Z-1A	not measured		7.1	3								
CPT-31/ 76 ft	Z-1A												
CPT-33/ 80 ft	Z-1A												
W15-82/ 83 ft	Z-9	55	24	66.7	6	85.8	15	85.8	21	85.8	27	0	3
CPT-21A/ 86 ft	Z-9	195	24	186	6	206	15	244	21	244	27	191	3
CPT-34/ 86 ft	Z-18												
W15-85U/ 88 ft	Z-9	43	21										
W15-218SST/ 86 ft	Z-9					1.6	2						
CPT-28/ 87 ft	Z-9	224	24	229	6	235	15	258	21	258	27	231	3
CPT-4B/ 90 ft	Z-1A			3.2	10								
CPT-1A/ 91 ft	Z-18			10.7	10								
CPT-4A/ 91 ft	Z-1A			7.5	2								
CPT-9A/ 91 ft	Z-9			74.3	6								
W15-85/ 91 ft	Z-9	51	24										
W18-252SST/ 100	Z-1A												
W18-152/ 101 ft	Z-12	25	18	25.7	12	20.7	6	12.4	6			14.6	4
CPT-4E/ 103 ft	Z-1A	not measured		16.1	12								
W18-167/ 106 ft	Z-1A	248	18	297	12	243	6	266	6			0	4
W18-165/ 109 ft	Z-1A	not measured		278	12	328	6	205	6			0	4
W15-217/ 114 ft	Z-9	442	24	93.6	6	444	15	458	21			0	3
CPT-24/ 118 ft	Z-9	35	24			27.8	15			15.3	27		
W15-220SST/ 118	Z-9	34	24			27.5	3			26.0	27		
W18-158L/ 120 ft	Z-1A	284	18	163	3								
W15-219SST/ 130	Z-9	54	24			23.1	1			5.7	22		
W18-249/ 130 ft	Z-18	176	18	196	12	46.3	6	41.0	6			52.2	4
W18-248/ 131 ft	Z-1A	214	18	306	12	182	6	180	6			0	4
W15-95U/ 144 ft	Z-9	not measured		31.6	6	25.1	15	40.3	21	40.3	27	0	3
W15-219SST/ 155	Z-9	44	24			6.8	1			0	22		
W15-220L/ 163 ft	Z-9					---	15			8	27		
W15-219L/ 175 ft	Z-9					---	15			23	27		
W15-9L/ 176 ft	Z-9	20	21	16.9	6	13.1	15	13.1	21	13.1	27	0	3
W15-84U/ 180 ft	Z-9	not measured		not measured		25.9	15	25.9	21	25.9	27	22.0	3
W15-6L/ 182 ft	Z-9												
W15-220SST/ 185	Z-9	15	24			---	1						
W18-7/ 197 ft	Z-1A												
W18-12/ 198 ft	Z-18												
W18-6L/ 208 ft	Z-1A												

* - based on location (Z-1A/18/12 or Z-9) of monitoring point; specific points may be beyond SVE zone of influence during particular operating configurations
 - Z-18 and Z-12 wells off-line Oct 96 - Apr 98
 - CPT-1A, CPT-9A, and possibly CPT-7A appeared to be beyond SVE zone of influence in Oct 96 based on differential pressure (BHI-01105, p. 6-1)
 - CPT-9A, CPT-21A, CPT-28 beyond SVE zone of influence in May 96 based on CGM concentrations and airflow modeling based on measured vacuums (BHI-01105, p. 6-1)

Carbon Tetrachloride Rebound Concentrations
Monitored at 200-PW-1 Soil Vapor Extraction Sites
October 2003 - January 2005

200-PW-1 (200-ZP-2)		10/31/2003	12/04/2003	12/22/2003	01/20/2004	02/19/2004	03/16/2004	03/24/2004	04/29/2004	05/05/2004	06/03/2004	06/24/2004	07/15/2004	07/23/2004	08/26/2004	10/07/2004	11/17/2004	12/28/2004	01/19/2005	
Location (Well or Probe) /feet bgs	Site	CCl4 (ppmv)	CCl4 (ppmv)	CCl4 (ppmv)	CCl4 (ppmv)	CCl4 (ppmv)	CCl4 (ppmv)	CCl4 (ppmv)	CCl4 (ppmv)	CCl4 (ppmv)	CCl4 (ppmv)	CCl4 (ppmv)	CCl4 (ppmv)	CCl4 (ppmv)	CCl4 (ppmv)	CCl4 (ppmv)	CCl4 (ppmv)	CCl4 (ppmv)	CCl4 (ppmv)	
CPT-17/ 10 ft	Z-9	3.2	4.1	2.7	5.8	5.0	--(c)	9.0	7.0		9.9	9.0	7.4		6.7	6.8	5.5	5.3	6.4	
CPT-18/ 15 ft	Z-9	0	1.1	1.0	1.5	1.4	--(c)	1.6	1.2		2.5	2.5	--(e)	0	0	0	0	1.5	3.1	
CPT-4E/ 25 ft	Z-1A								1.7		1.4	2.0	2.4		0	0				
CPT-16/ 25 ft	Z-9	2.6	1.2	1.4	0	1.7	2.2		1.8		1.4	3.8	--(e)	1.3	1.2	1.1	1.1	4.4	2.3	
CPT-32/ 25 ft	Z-1A	0	0	0	2.4	5.1	5.9										0	1.7	2.7	
CPT-30/ 28 ft	Z-1A	0	0	0	0	0	0										0	1.3	1.5	
CPT-13A/ 30 ft	Z-1A	0	0	0	0	0	1.8		1.4		1.5	1.8	1.9		0	0	3.0	0	7.1	
CPT-7A/ 32 ft	Z-1A	2.4	3.0	2.7	4.3	3.0	9.5	1.7			1.9	1.7	1.6		1.21 (f)	1.5	1.5	2.2	3.9	
CPT-27/ 33 ft	Z-9	1.1	0	1.1	1.5	2.0	2.7		2.5		1.4	2.2	1.2		0	0	1.3	8.4	2.2	
CPT-1A/ 35 ft	Z-12	18.3	9.5	13.1	10.8	6.0	9.0		4.2		10.7	9.0	5.2		18.0	3.2	4.7	14.0	13.2	
CPT-34/ 40 ft	Z-18								1.4		1.1	1.0	0		1.6	1.8				
CPT-21A/ 45 ft	Z-9	52.3	89.1	68.5	59.2	71.8	--(c)	150	59.2		136	81.9	34.0		92.5	86.7	79.9	146	143	
CPT-8A/ 60 ft	Z-9	25.9	33.1	30.8	24.3	33.8	27.1		25.7		28.3	26.0	24.8		--(g)	26.7 (h)	32.4	27.5	29.2	
CPT-9A/ 50 ft	Z-9															45.8 (h)	39.4	48.4	48.4	
CPT-C3872 / 61 ft	Z-1A																1.1	4.4	5.9	
CPT-9A/ 64 ft	Z-9															0 (h)	20.1	2.8	26.1	
CPT-16/ 65 ft	Z-9								3.1		4.0	1.5	--(e)	4.2	2.9	2.7	3.5	6.7	4.9	
CPT-24/ 70 ft	Z-9								4.4		4.4	9.1	5.0		4.2	4.6				
W15-219SST/ 70 ft	Z-9								9.5											
CPT-18/ 75 ft	Z-9								8.0		6.2	4.7	--(e)	6.3	8.3	0				
W15-82/ 83 ft	Z-9	24.0	34.4	43.1	47.5	45.9	50.5		83.1		0	85.4	81.3		71.2	7.9	--(i)	--(i)	--(i)	
CPT-21A/ 86 ft	Z-9	91.8	183	171	244	98.1	--(c)	212	73.3		177	157	95.7		40.5	80.5	179	184	191	
CPT-28/ 87 ft	Z-9	155	206	140	56.7	96.1	--(c)	258	26.8		222	164	227		222	218	231	223	227	
W18-152/ 101 ft	Z-12	5.7	10.5	11.3	10.5	12.4	12.1										10.4	12.3	14.6	
W18-167/ 106 ft	Z-1A	201	223	201	296	201	--(b)										--(i)	--(i)	--(i)	
W18-165/ 109 ft	Z-1A	94.2	205	193	188	186	94.8										--(i)	--(i)	--(i)	
W15-217/ 114 ft	Z-9	53.8	80.4	66.4	82.5	62.0	--(c)	458	256		377	257	467		63.1	264	--(i)	--(i)	--(i)	
CPT-24/ 118 ft	Z-9								5.3		15.3	8.5	6.9		2.8	8.5				
W15-220SST/ 118 ft	Z-9									28.0	18.7	18.5	15.7		9.0	0				
W18-249/ 130 ft	Z-18	8.0	31.1	21.4	19.6	22.1	41.0										--(i)	51.5	52.2	
W15-219SST/ 130 ft	Z-9								5.7											
W18-248/ 131 ft	Z-1A	78.6	80.4	85.6	90.9	166	180										--(i)	--(i)	--(i)	
W15-95L/ 144 ft	Z-9	19.2	20.3	--(a)	--(a)	40.3	23.0		35.0		22.0	28.1	--(e)	18.6	22.7	18.5	--(i)	--(i)	--(i)	
W15-219SST/ 155 ft	Z-9								0											
W15-220L/ 163 ft	Z-9								7.5		6.4	0	0		5.7	0				
W15-219L/ 175 ft	Z-9								--(d)	23.0	2.9	0	--(e)	0	0	0				
W15-9L/ 176 ft	Z-9	6.1	5.8	--(a)	--(a)	9.1	9.6		8.8		10.1	11.9	--(e)	10.9	9.0	6.6	--(i)	--(i)	--(i)	
W15-84L/ 180 ft	Z-9	4.7	4.9	4.9	10.7	18.5	--(c)	19.5	15.6		16.4	20.9	18.1		17.7	10.7	22.0	18.0	22.0	
		(a) Unable to access because of drilling operations																		
		(b) Unable to sample; tubing will be repaired.																		
		(c) anomalously low due to pump problems; resampled on 3/24/04																		
		(d) unable to install sample tubing; sampled W15-219SST/70 ft, W15-219SST/130 ft, and W15-219SST/155 ft instead																		
		(e) Unable to access																		
		(f) condensate in tubing																		
		(g) Unable to access; aboveground tubing damaged by construction vehicle.																		
		(h) Depths to probes measured through existing tubing. 60 ft deep probe confirmed and sampled. The other two depths measured (50 ft and 64 ft) could not be correlated to original depths (70 and 91 ft); these two probes were sampled also.																		
		(i) Unable to sample; tubing will be installed																		

Table A-3. Decommissioning Well List

(This list will be updated as wells are identified for decommissioning, and will be provided at the 200 Areas Unit Manager's Meeting, and included in the UMM minutes)

- Shading indicates wells added for this change.

FY 2004	FY 2004	FY 2005b
299-W6-5	299-W15-23	299-W6-1
299-W6-8	299-W15-24	299-W14-9
299-W10-6	299-W15-25	299-W15-63
299-W10-7	299-W18-2	
299-W10-9	299-W18-4	
299-W10-18	299-W18-5	
299-W11-1	299-W18-8	
299-W11-2	299-W18-26	
299-W11-2P	299-W18-82	
299-W11-2Q	299-W18-88	
299-W11-2R	299-W18-177	
299-W11-2S	299-W18-179	
299-W11-2T	699-37-82B	
299-W11-4	699-37-82BP	
299-W11-5	699-37-82BQ	
299-W11-8	699-37-82BR	
299-W11-9	699-37-82BS	
299-W11-11	699-51-63	
299-W11-15		
299-W11-16	FY 2005	
299-W11-17		
299-W11-19	299-W10-2	
299-W11-20	299-W14-1	
299-W11-21	299-W14-2	
299-W11-24	299-W14-3	
299-W11-27	299-W14-4	
299-W11-29	299-W14-7	
299-W11-35	299-W14-10	
299-W11-35P	299-W15-4	
299-W11-35Q	299-W15-14	
299-W14-10	299-W15-62	
299-W14-12	299-W15-63	
299-W14-59	299-W15-64	
299-W14-60	299-W15-78	
299-W14-61	299-W15-202	
299-W15-10	299-W15-213	
299-W15-12	299-W18-3	
299-W15-18	299-W18-164	
299-W15-19	699-37-82A	
299-W15-20		

Table A-4. List of Supplemental Wells Supporting CERCLA

(Shading indicates wells added for this change)

Well Numbers	Comments
<i>Shallow Monitoring Wells</i>	
299-W10-1	SST(T) tank farm assessment
299-W10-13	LLBG(3) detection monitoring
299-W10-14	LLBG(3) detection monitoring
299-W10-17	SST(TX/TY) tank farm assessment
299-W10-19	LLBG(3) detection monitoring
299-W10-20	LLBG(3) detection monitoring
299-W10-21	LLBG(3) detection monitoring
299-W10-22	SST(T) tank farm assessment
299-W10-23	SST(T) tank farm assessment
299-W10-24	SST(T) tank farm assessment
299-W10-26	SST(TX/TY) tank farm assessment
299-W10-27	SST(TX/TY) tank farm assessment
299-W10-28	SST(T) tank farm assessment
299-W10-4	SST(T) tank farm assessment
299-W10-8	SST(T) tank farm assessment
299-W11-12	SST(T) tank farm assessment
299-W11-24	SST(T) tank farm assessment
299-W11-30	SST(T) tank farm assessment
299-W11-39	SST(T) tank farm assessment
299-W11-40	SST(T) tank farm assessment
299-W11-41	SST(T) tank farm assessment
299-W11-42	SST(T) tank farm assessment
299-W11-7	SST(T) tank farm assessment
299-W14-13	SST(TX/TY) tank farm assessment
299-W14-14	SST(TX/TY) tank farm assessment
299-W14-15	SST(TX/TY) tank farm assessment
299-W14-16	SST(TX/TY) tank farm assessment
299-W14-17	SST(TX/TY) tank farm assessment
299-W14-18	SST(TX/TY) tank farm assessment
299-W14-5	SST(TX/TY) tank farm assessment
299-W14-6	SST(TX/TY) tank farm assessment

Table A-4. List of Supplemental Wells Supporting CERCLA Attachment 5 b
(Shading indicates wells added for this change)

Well Numbers	Comments
299-W15-15	LLBG(4) detection monitoring
299-W15-16	LLBG(4) detection monitoring
299-W15-17	LLBG(4) detection monitoring
299-W15-40	SST(TX/TY) tank farm assessment
299-W15-41	SST(TX/TY) tank farm assessment
299-W15-83	LLBG (4) detection monitoring
299-W15-94	LLBG (4) detection monitoring
299-W15-132	LLBG (4) detection monitoring
299-W15-763	SST(TX/TY) tank farm assessment
299-W15-765	SST(TX/TY) tank farm assessment
299-W18-21	LLBG(4) detection monitoring
299-W18-22	LLBG(4) detection monitoring
299-W18-23	LLBG(4) detection monitoring
299-W18-24	LLBG(4) detection monitoring
299-W18-30	SST(U) tank farm assessment
299-W18-31	SST(U) tank farm assessment
299-W18-40	SST(U) tank farm assessment
299-W19-12	SST(U) tank farm assessment
299-W19-41	SST(U) tank farm assessment
299-W19-42	SST(U) tank farm assessment
299-W19-44	SST(U) tank farm assessment
299-W19-45	SST(U) tank farm assessment
299-W22-10	SST(S) tank farm assessment
299-W22-2	SST(S) tank farm assessment
299-W22-44	SST(S) tank farm assessment
299-W22-45	SST(S) tank farm assessment
299-W22-46	SST(S) tank farm assessment
299-W22-48	SST(SX) tank farm assessment
299-W22-49	SST(SX) tank farm assessment
299-W22-50	SST(SX) tank farm assessment
299-W22-79	U-12 crib assessment
299-W22-80	SST(SX) tank farm assessment
299-W22-81	SST(SX) tank farm assessment
299-W22-82	SST(SX) tank farm assessment
299-W22-83	SST(SX) tank farm assessment

Table A-4. List of Supplemental Wells Supporting CERCLA Attachment 5b

(Shading indicates wells added for this change)

Well Numbers	Comments
299-W22-84	SST(S) tank farm assessment
299-W22-85	SST(SX) tank farm assessment
299-W23-15	SST(S) tank farm assessment
299-W23-19	SST(S) tank farm assessment
299-W23-19	SST(SX) tank farm assessment
299-W23-20	SST(SX) tank farm assessment
299-W23-21	SST(SX) tank farm assessment
299-W23-4	SST(SX) tank farm assessment
299-W26-12	S-10 detection monitoring
299-W26-13	S-10 detection monitoring
299-W26-7	S-10 detection monitoring
299-W27-2	S-10 detection monitoring
299-W7-1	LLBG(3) detection monitoring
299-W7-11	LLBG(3) detection monitoring
299-W7-12	LLBG(3) detection monitoring
299-W7-3	LLBG(3) detection monitoring
299-W7-4	LLBG(3) detection monitoring
299-W7-5	LLBG(3) detection monitoring
299-W7-7	LLBG(3) detection monitoring
299-W7-8	LLBG(3) detection monitoring
299-W7-9	LLBG(3) detection monitoring
299-W8-1	LLBG(3) detection monitoring
Deep Monitoring Wells	
299-W6-3	Monitors near bottom of aquifer
299-W6-6	Monitors near bottom of aquifer
299-W7-3	Monitors near bottom of aquifer
299-W10-14	Monitors near bottom of aquifer
299-W11-32	PNNL-10422, piezos, 15 m (50 ft) (mid-depth) below water table
299-W14-9	Screened in lower unit 5, 6, and all of 9 across mud unit
299-W15-17	Monitors near bottom of aquifer
299-W18-1	large open interval 0 to 60 m (0 to 200 ft) to below water table, needs recompletion
299-W18-22	Monitors at bottom of aquifer

Table A-4. List of Supplemental Wells Supporting CERCLA Attachment 5b
(Shading indicates wells added for this change)

Well Numbers	Comments
299-W19-4	Open across mud unit 5-9, needs recompletion, large open interval 0 to 78.8 m (0 to 260 ft) below water table
299-W27-2	Monitors at bottom of aquifer
699-48-77C	Monitors mid-depth in aquifer
699-48-77D	Monitors near the State Approved Land Disposal Site
C4668 (299-W14-11)	SST (TX-TY) tank farm assessment
C4669 (299-W11-25)	SST (T) tank farm assessment

Supplement to: DOE/RL-2000-51
Interim Action Waste Management Plan for the 200-UP-1 Operable Unit

TABLE A-2. DECOMMISSIONING WELL LIST

(This list will be updated as wells are identified for decommissioning, and will be provided at the 200 Areas Unit Manager's Meeting, and included in the UMM minutes)

- Shading indicates wells added for this change.

FY 2004

299-W18-25
 299-W19-8
 299-W19-70
 299-W22-3
 299-W22-39
 299-W22-41
 299-W22-42
 299-W22-51
 299-W22-56
 299-W22-58
 299-W23-13
 299-W23-71
 299-W26-9
 299-W26-10

FY2005

299-W14-8A
 299-W14-8B
 299-W18-19
 299-W19-3
 299-W19-9
 299-W19-10
 299-W19-11
 299-W19-13
 299-W19-14
 299-W19-15
 299-W19-16
 299-W19-17
 299-W19-21
 299-W22-12
 299-W22-2
 299-W22-5
 299-W22-6
 299-W22-11

FY 2005

299-W22-12
 299-W22-13
 299-W22-14
 299-W22-15
 299-W22-16
 299-W22-17
 299-W22-18
 299-W22-29
 299-W22-30
 299-W22-31
 299-W22-32
 299-W22-33
 299-W22-34
 299-W22-35
 299-W22-36
 299-W22-75
 299-W23-6

FY 2005b

299-W19-8
 299-W19-8O
 299-W19-8P
 299-W19-8Q
 299-W22-3
 299-W22-19
 299-W22-27
 299-W22-27O
 299-W22-27P
 299-W22-27Q
 299-W22-27R
 299-W22-27S

**Issue Resolution Meeting
Agreements and Issues List
February 17, 2005
200 Area Unit Managers' Meeting**

Agreement: UMM Minutes

The meeting minute format will be changed. The agenda will include only a brief list of meeting activities. The minutes will consist of the agenda, the attendance sheet, the action item table, the groundwater and source operable unit status documents, and a list of issues and agreements. The minutes will be prepared, reviewed, and revised to support signatures at the following UMM.

Agreement: EPA Approval of the 200-ZP-1 Decommissioning Well List

EPA approves the addition of three wells to the 200-ZP-1 decommissioning well list (Attachment 5a). EPA also approves the addition of 3 RCRA wells (Attachment 5b) to the supplemental wells list.

Agreement: Ecology Approval of the 200-UP-1 Decommissioning Well List

Ecology approves the addition of twelve wells to the 200-UP-1 decommissioning well list (Attachment 6).

Issue: Planning/Decision Integration – (EPA)

Issue statement: Planning and decision documents are being sent to the regulatory agencies that contain activities that do not appear to have been coordinated (example: proposed stabilization of the Z-9 crib in a PFP EE/CA)

Issue status: Resolved

Issue resolution: Language in the PFP above-grade structures action memorandum specifies the coordination efforts required by the three agencies.

Issue: Exposure Scenarios – (Ecology)

Issue statement: RL and the regulatory agencies disagree on the interpretation of the Tri-Party response to HAB advice #132 in relation to its application to the 200-PW-2/200-PW-4 RI Report. This disagreement is delaying approval of the RI Report and causing potential delays in the FS and proposed plan.

Issue actions: Ecology will send a revised, more-specific comment.

Issue resolution: TBD

**200 Area Unit Managers' Meeting
200 Area Remedial Action Float Table
February 2005**

Task	Scheduled Date	Float	Comments
200-CS-1			
Deliver Rev. 0 RI Report for Regulatory Agency Approval	10/31/04	--	Submitted Draft 0 RI report 11/30/04.
Deliver Draft A FS/PP for Regulatory Agency Review	11/30/05	--	On schedule
200-CW-1			
Deliver Draft B FS for Regulatory Agency Review	7/3/03 (original date based on receipt of regulatory agency comments 45 calendar days after submittal (which would be 5/15/03) with 45 days to revise and reissue)	--	Regulatory agency comments originally due on 5/15/03; policy level comments received on that date; Ecology indicated additional comments would be coming; additional informal comments were received on 6/25/04; further delays are associated with funding issues, priority of this FS compared to other FSs, and Ecology's suggestion to look at accelerating confirmatory sampling
	(new target date under revision due to funding short fall)	--	Delivery of the Draft B FS is unknown due to Funding short falls. Discussions underway with Regulatory Agencies to integrate the 200-CW-1 FS into the 200-CS-1 FS
200-LW-1			
Deliver Draft A RI Report for Regulatory Agency Review	10/31/05	--	On schedule
200-PW-2			
Ecology approve Rev 1 RI/FS work plan	02/14/03	--	Work Plan approved
Deliver Draft A RI Report for Regulatory Agency Review	06/30/04	--	Submitted comment resolutions to Ecology. Comment resolution meeting held 12/10/04. Additional RI work requested.
Deliver Draft A FS/PP for Regulatory Agency Review	12/31/05	--	On schedule

**200 Area Unit Managers' Meeting
200 Area Remedial Action Float Table
February 2005**

Task	Scheduled Date	Float	Comments
200-SW-1/200-SW-2			
Brief Ecology on DQO Approach	07/8/04	--	Initial briefing conducted on 7/8/04. A subsequent briefing was conducted on 9/3/04. On 10/7, Ecology and DOE-RL agreed to discussions to resolve issues relating to work scope. Schedule for discussions is TBD. Resulting impacts to the work plan schedule will be assessed.
Deliver draft A RI/FS work plan for Regulatory Agency review	12/31/04	--	Work Plan submitted to Ecology 12/20/04.
Deliver Waste Control Plan for regulatory Agency review	04/15/05	--	On schedule
Start field sampling	07/27/05	--	On schedule
Deliver Draft A RI Report for Regulatory Agency Review	09/19/07	--	On schedule
200-TW-1 (includes 200-TW-2)			
EPA/Ecology approve RI Report	7/10/03	-539-d	Modeling results delivered on 5/21/04 to regulatory agency. Meeting with USGS held for 9/08/04 to resolve differences. Issue resolution is ongoing
Deliver Draft A FS/PP for Regulatory Agency review	03/31/04	--	Comments received and document modification underway
Revise FF/PP for Region 10 review	05/18/04	-181-d	Request from regulatory agency to separate BC Cribs and Trenches to a standalone FFS/PP and withdrawal of the TW1/2 FS/PP. Issue is being worked between RL and regulatory agency. FS and PP on hold with a new delivery date of 1/06
BC Crib Focused Feasibility Study	09/30/04	-152	Collaborative discussions underway with EPA and RL to resolve issues prior to formal submittal

**200 Area Unit Managers' Meeting
200 Area Remedial Action Float Table
February 2005**

Task	Scheduled Date	Float	Comments
200-UR-1			
Deliver draft A RI/FS work plan for regulatory Agency review	06/30/04	--	Delivered 6/30/04
Deliver Waste Control Plan for regulatory Agency review	03/1/2006	--	On schedule
Start field sampling	04/26/06	--	On schedule
Deliver Draft A RI Report for Regulatory Agency Review	05/14/07	--	On schedule
200-UW-1			
Transmit Rev 0 SAP	02/28/05		Obtain Regulatory Agency/RL concurrence on SAP, Rev. 0 by 04/7/05
RL Transmit Draft C to Regulatory Agency	11/29/04	--	Complete. Delivered Draft C of the FS and PP to Ecology 11/29/04. Received Ecology comments on Draft C PP on 01/0/053 and comments on the FFS on 01/2/05.
Transmit WCP to Regulatory Agencies	02/15/05		Obtain Regulatory Agency approval of revised WCP 02/15/05
Deliver FFS/PP, Rev. 0 to Regulatory Agencies	03/2/05		On schedule. Proposed Plan, Rev. 0 transmitted officially to RL on 2/4. Obtain Regulatory Agency approval of PP/FFS, Rev. 0 03/30/05
Initiate Public Review	04/4/05		
200-IS-1/200-ST-1			
Deliver Rev. 1 RI/FS work plan	12/31/04	--	Work Plan delivered to Ecology 12/22/04
Deliver Waste Control Plan for regulatory	01/24/05	--	A new schedule must be developed. Ecology received the Work Plan 12/22/04 and has 60 days to review and comment. This comment period is past the due date for submitting the waste control plan

**200 Area Unit Managers' Meeting
200 Area Remedial Action Float Table
February 2005**

Task	Scheduled Date	Float	Comments
agency review			
200-PW-1/200-PW-3/200-PW-6			
Deliver Draft A RI Report for Regulatory agency Review	06/30/06	--	On schedule
200-MW-1			
Deliver Draft A RI Report for Regulatory agency Review	12/31/05	--	On schedule
200-CW-5/200-CW-2/200-CW-4/200-SC-1			
Deliver Rev. 1 RI/FS work plan	M-013-22 met on schedule; Rev. 0 work plan approved 09/28/02. Consolidation TPA change package approved 6/5/02. Rev. 1 originally scheduled to be delivered 05/6/03	--	Submitted to EPA on 9/20/04
Deliver Rev. 0 RI Report	09/1/03 (original date based on receipt of regulatory agency comments on 07/15/03 with 45 days for revision)	--	Submitted to EPA on 8/30/04
Deliver Draft A FS/PP for Regulatory agency Review	10/31/04	--	Submitted to EPA on 10/29/04

**200 Area Unit Managers' Meeting
200 Area Remedial Action Float Table
February 2005**

Task	Scheduled Date	Float	Comments
200 Area Common - Ecological			
Central Plateau Ecological Evaluation	7/16/04	-251-d	In FH concurrence. Transmit to RL 02/28/05. Transmit to Regulatory Agencies 03/18/05
Central Plateau Ecological DQO	4/22/04	-357-d	New schedule date 04/04/05
Central Plateau Ecological SAP	6/28/04	-307-d	To FH for concurrence 03/07/05. Transmit to RL for concurrence 03/07/05. Transmit to Regulatory Agencies 03/25/05

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

DOE/RL

Steve Bertness	A6-39
Bryan Foley	A6-38
Larry Romine	RMIS
Arlene Tortoso	RMIS

EPA

Craig Cameron	B1-46
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Ecology

Brenda Jentzen	RMIS
Tina Masterson-Heggen	H0-57
John Price	H0-57
Jennie Stults	H0-57
Jean Vanni	H0-57

FH

Lanny Dusek	RMIS
Gloria Cummins	RMIS
Bruce Ford	RMIS
Jane Borghese	E6-35
Mark Byrnes	RMIS
Virginia Rohay	RMIS
L. Craig Swanson	RMIS
Mary Todd-Robertson	E6-35

CHG

Curt Wittreich	RMIS
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PNNL

Stuart Luttrell	K6-96
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Administrative Record (2)	A3-01
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Debbi Isom	H6-08
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Please inform Dee Goodson – FH (373-4456)
of deletions or additions to the distribution list.