

**Meeting Minutes Transmittal/Approval  
Unit Managers' Meeting  
200 Area Groundwater and Source Operable Units  
1200 Jadwin Avenue, Richland, Washington  
July 21, 2005**

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APPROVAL: *Larry Romine* Date: 8-18-05  
Larry Romine, 200 Area Unit Manager, DOE/RL

APPROVAL: *Arlene Tortoso* Date: 8/18/05  
Arlene Tortoso, 200 Area Assistant Manager, DOE/RL

APPROVAL: *Craig Cameron* Date: 8/18/05  
Craig Cameron, 200 Area Unit Manager, EPA

APPROVAL: *John B. Price* Date: 8/18/05  
John Price, 200 Area Unit Manager, Ecology

**RECEIVED**  
AUG 31 2005

**EDMC**

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

Attachment 1	Attendance Record
Attachment 2	Agenda
Attachment 3	Groundwater Operable Units Status ( <b>Canceled</b> )
Attachment 4	Groundwater OUs Status Figures ( <b>Canceled</b> )
Attachment 5	Source Operable Units Status
Attachment 6	Action Item List

200 Area Unit Managers Status Meeting  
July 21, 2005

Please print clearly and use black ink

PRINTED NAME	ORGANIZATION	O.U. ROLE	TELEPHONE
Jennie Stults	Ecology	200 S1	372-7956
John Price	Ecology	Project Mgr	372-7921
D. Goswami	Ecology	Site GW	372-7902
Craig Cameron	EPA	Proj. Mgr.	376-8665
Rod Lobos	EPA	Proj Mgr	
Jane V Borghese	FH	Proj. Mgr	373-3804
Dave Erb	FH	Tech	373-4457
John Winterhelder	FH	ECO	572-8111
Stuart Luttrell	PNNL	GWafa Mon.	376-6023
MIKE Lackey	FIA	MGT.	373-3309
Lanny Dusek	FH	Proj. Mgr	438-1756
GLORIA COMMINES	FH	EP	372-2484
Bryan Foley	DOE-RL	RL-0040 200 Area Waste	374-7097
Mary E. TODD-ROBERTSON	FH	200 Area Waste Site Remediation	373-3920
Virginia Rohay	FH	200-PW-1	373-3803
CIREA BERLIN	FH	200-SW-1/2	374-2589

# 200 AREA UNIT MANAGERS' MEETING AGENDA

1200 Jadwin/Rm 1-C1

July 21, 2005

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

Canceled – Delegated DOE Project Manager not in attendance.

## SOURCE OPERABLE UNITS AND FACILITIES STATUS (9:15-9:45)

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

- (See Issues List)

### **General**

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

# **200 AREA UNIT MANAGERS' MEETING GROUNDWATER OPERABLE UNITS STATUS**

1200 Jadwin/Rm 1-C1  
July 21, 2005

## **GROUNDWATER OPERABLE UNITS STATUS**

Meeting canceled. Delegated DOE project manager not in attendance.

# 200 AREA UNIT MANAGERS' MEETING GROUNDWATER OPERABLE UNITS STATUS

1200 Jadwin/Rm 1-C1  
July 21, 2005

## GROUNDWATER OPERABLE UNITS STATUS

### 200-UP-1 OU

- Update on Rebound Study:
  - Study started January 26.
- Remediation Treatment Status:
  - The first five rounds of groundwater sampling were successfully implemented February 2, 9, 23, March 30, April 27, May 25, and June 29 (Attachment 4, Figures 1 and 2).
- RI/FS Work Plan Status:
  - Ecology and DOE-RL agreed on the final RI/FS Work Plan schedule. The document has been delivered to DOE-RL and is in the process of being delivered to Ecology.
- Dropping water levels are impacting our groundwater monitoring well network.

### 200-ZP-1 OU

- Remediation Treatment Status:
  - Average Pumping Rate for October 1 through June 19, 2005: 185 gpm (Attachment 4, Figure 3)
  - While all five extraction wells were taken offline a week or so ago to hookup the four expansion extraction wells to the treatment building, the system has been turned back on now and is running smoothly.
- Update on Expanding P&T System to North:
  - ZP-1 pump-and-treat expansion is currently on schedule for a July 31 startup date.
- Update on Contained-In Determination:
  - John Winterhalder (FH) has concluded that getting a "Contained-In" determination to remove the need for ZP-1 leak detection for downgradient treatment lines does not look promising due to the high contaminant concentrations in the re-injected water. *may be above MTCAL levels.*
- Investigation Status:
  - Vista Engineering's DNAPL investigation is close to on schedule. Groundwater sampling done. Soil-gas is done except for TX Tank Farm. Geophysical surveys and cross-well surveys are done. Deviation surveys are still being done.

- New Well Status
  - New well “H” (by T Plant, 299-W11-43) has reached its total depth and is currently being installed. Below are the depth discrete groundwater analytical results:
    - 298 ft 900 ug/L (The trip blank bottle and sample bottle were confused in field)
    - 328 ft 980 ug/L (duplicate 500 ug/L)
    - 364 ft 450 ug/L
    - 418 ft 321 ug/L
    - 449 ft 1,100 ug/L
  - New well “T” (699-50-74, north of 200 West Area) is currently being drilled. Since such poor soil recovery occurred in well “H” (299-W11-43) attempts are being made to collect soil samples from well “T” for Kd analysis. The first two attempts were unsuccessful (Attachment 4, Figure 4).
  - Dropping water levels are impacting our groundwater monitoring well network.
- RI/FS Status:
  - RI Report preparation is scheduled to begin October 1, 2005
  - Feasibility Study/Proposed Plan is scheduled to begin October 1, 2006.

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

- Sampling and Analysis Plan comments received from Ecology; will be issued within the next month.
- Two wells, 699-20-E12S and 699-24-1P, were not sampled in FY-04 according to the current SAP schedule; they are “air-lift” wells, and there was no procedure at the time to do the air-lifting. The procedure was developed and they are now scheduled for sample collection this year.
- Ecology approved discharge of purgewater to the ground from well 699-20-E12O via email on 6/24/2005.
- A task-level schedule for the RI/FS process for 200-PO-1 is being drafted and will be available by the end of July.

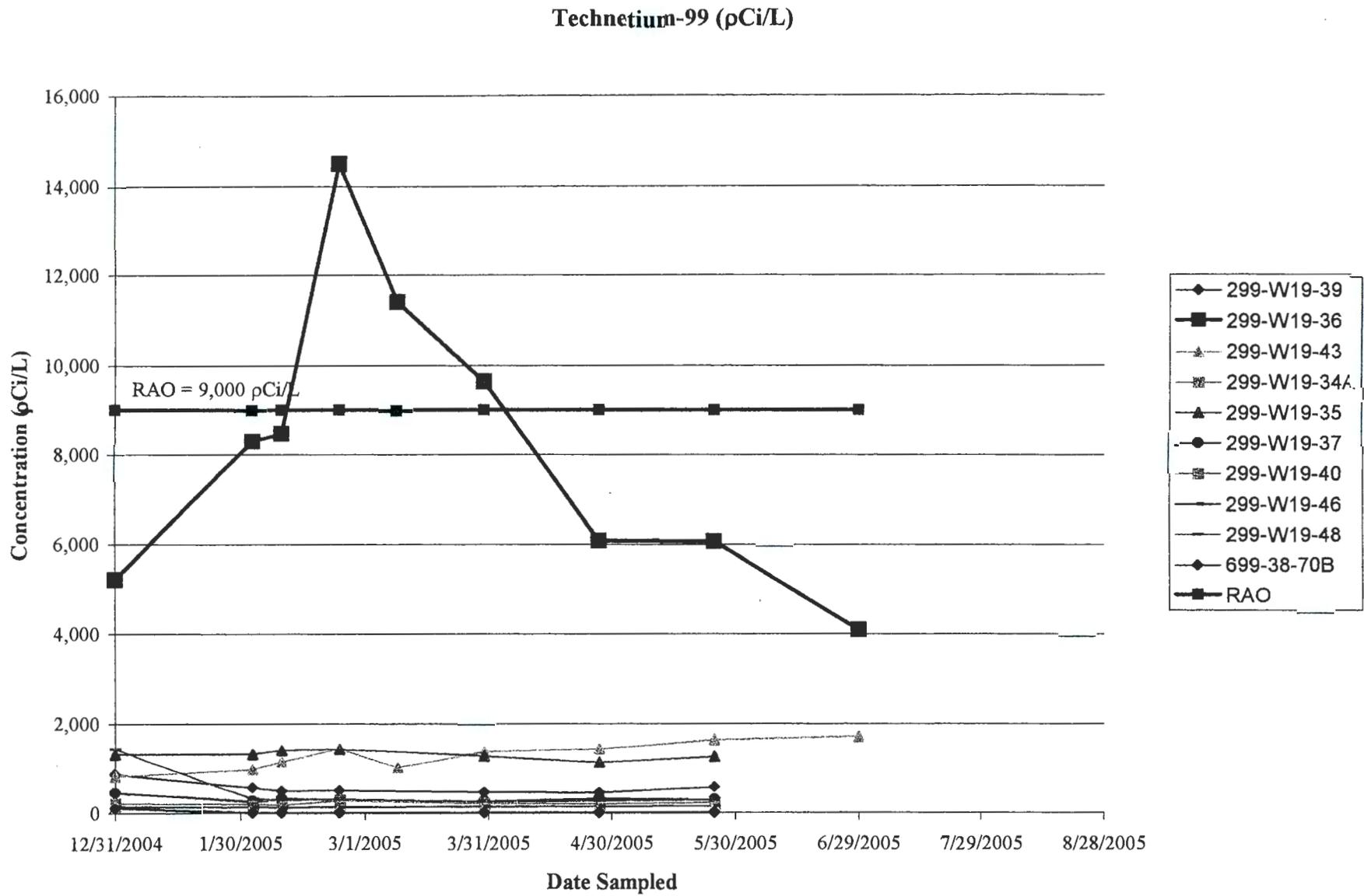
### **200-BP-5 OU**

- Comments on the Sampling and Analysis Plan for drilling a new well were received from EPA and Ecology. Responses were acknowledged, and the SAP is being revised for issuance within the month. Drilling will begin in August.
- Revised tables for the Sampling and Analysis Plan (monitoring) and the Waste Control Plan are provided to include the new well.
- The DQO process for 200 BP-5 began with a kick-off workshop on 6/14/2005. Interviews were conducted with DOE-RL/ORP, EPA, Ecology, CH2MHill, State of Oregon, the Nez Perce Tribe, the Yakama Tribe, and the Confederated Tribes of the Umatilla Indian Reservation.

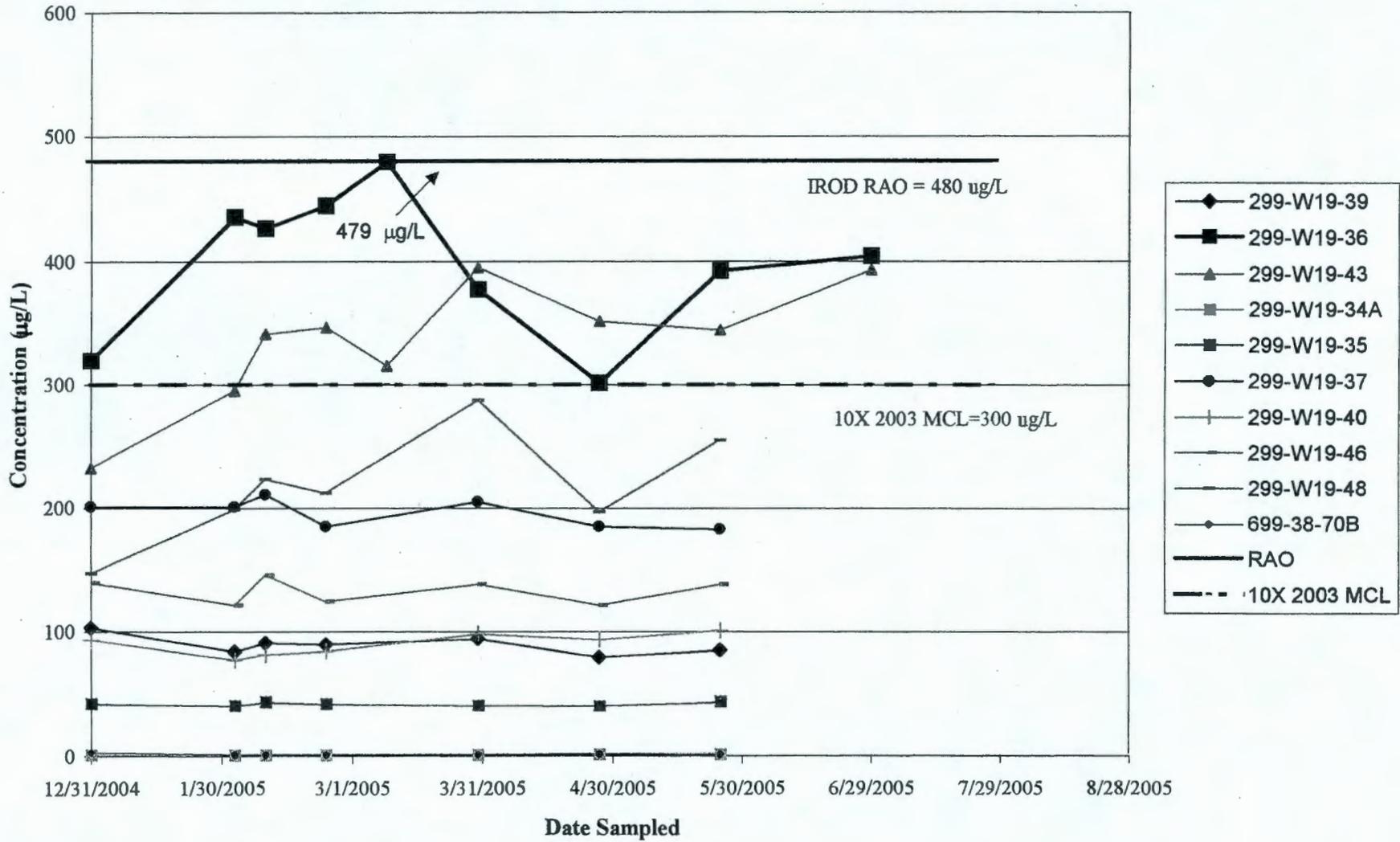
**200-PW-1 (200-ZP-2) OU**

- Soil Vapor Extraction System Status:
  - The system is currently pumping at a rate of approximately 340 cfm. We have been having problems with B+K analyzer calibration and as a result we are only operating the soil vapor extraction system during work hours. We have received 3 replacement units, but calibration has been off. We are working this problem with Energy Northwest.
- The passive system remains operational.
- Monthly monitoring
  - A Comparison of Maximum Carbon Tetrachloride Rebound Concentrations was provided (Attachment 4 Figure 5) and discussed.
  - Carbon Tetrachloride Rebound Concentrations monitored at 200-PW-1 Soil Vapor Extraction Sites for October 2004 – June 2005 were provided (Attachment 4 Figure 6) and discussed.
  - Carbon Tetrachloride Concentrations monitored at 200-PW-1 Passive Soil Vapor Extraction Wells for October 2004 – June 2005 were provided (Attachment 4 Figure 7) and discussed.

Figure 1



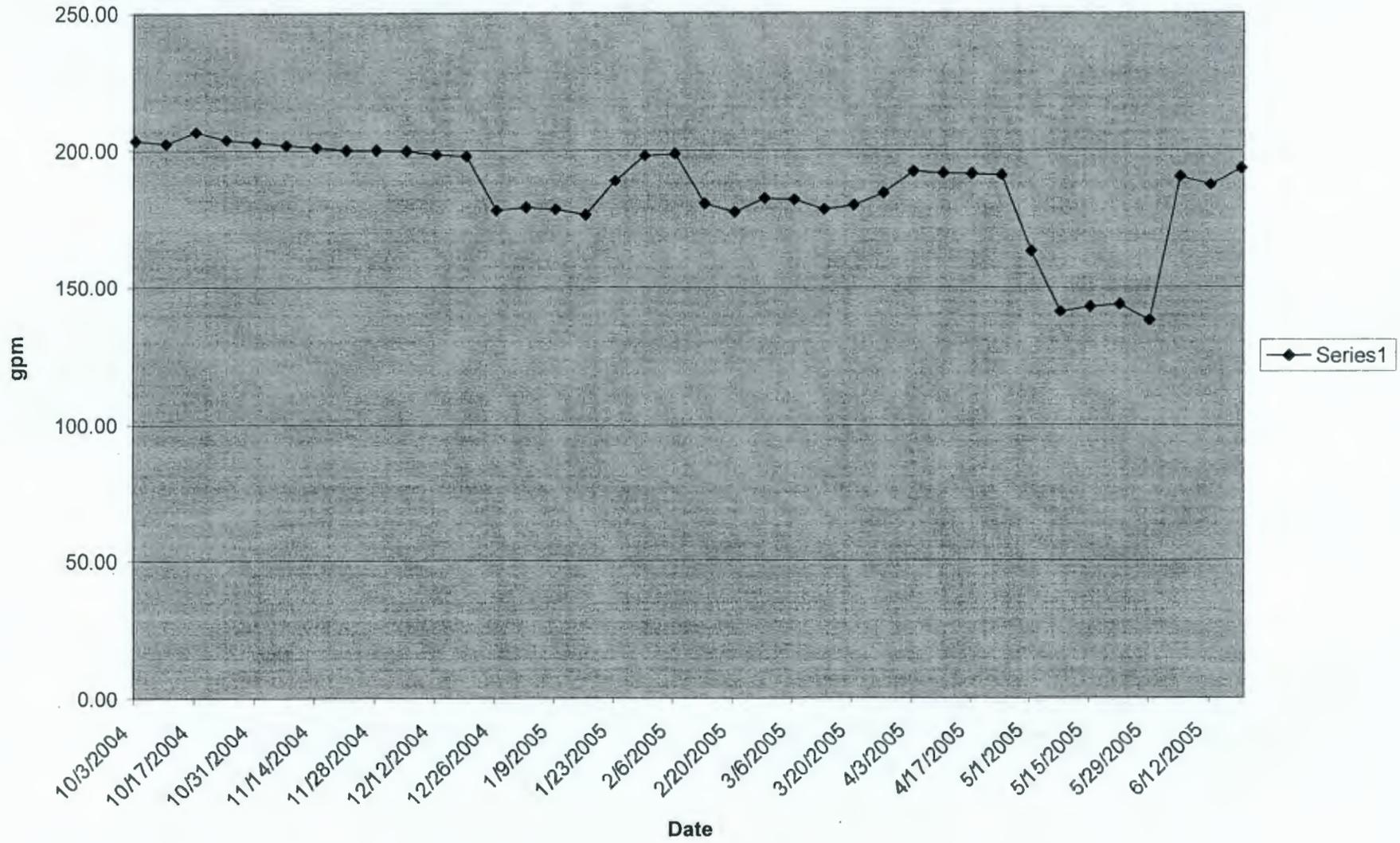
### Uranium Concentrations



ATTACHMENT 4

Figure 2

200-ZP-1 Average Pumping Rates



Attachment 4

Figure 3



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 - May 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	11.4	5
CPT-18/ 15 ft	Z-9	5.2	24	1.4	6	2.4	15	2.4	21	2.5	27	3.1	5
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	2.4	9
CPT-16/ 25 ft	Z-9	1.9	24	1.1	6	2	15	2.8	21	3.6	27	4.4	5
CPT-31/ 25 ft	Z-12												
CPT-32/ 25 ft	Z-1A	16.5	18	13.0	12	8.3	6	6	6			8.6	9
CPT-30/ 28 ft	Z-18	1.4	18	0	12	0	6	0	6			1.6	9
CPT-13A/ 30 ft	Z-1A	3.6	18	2.6	12	1.6	6	2	6	1.9	0	8.3	9
CPT-7A/ 32 ft	Z-1A	6.2	18	5.8	12	3.9	6	9.5	6	1.9	0	4.4	9
CPT-27/ 33 ft	Z-9	2.6	24	1.5	6	1.7	15	2.7	21	2.7	27	8.4	5
CPT-1A/ 35 ft	Z-12	7.7	18	11.3	12	22.0	15	18.3	6	18.0	0	14.0	9
CPT-28/ 40 ft	Z-9											5.4	0
CPT-33/ 40 ft	Z-18			2.3	12							3.9	9
CPT-34/ 40 ft	Z-18	1.9	0	2.2	12	1.6	0			1.8	0	3.0	9
CPT-21A/ 45 ft	Z-9											7.9	0
W15-220SST/ 52 ft	Z-9	2.5	24			1.5	1						
CPT-9A/ 60 ft	Z-9	68	24	45.3	6	35.9	15	35.9	21	35.9	27	32.4	5
CPT-28/ 60 ft	Z-9			56.5	6							68.3	0
CPT-C3872 / 61 ft	Z-1A											15.5	9
CPT-16/ 65 ft	Z-9	not measured		not measured		4.2	15			4.2	27	6.7	5
CPT-21A/ 65 ft	Z-9	127	24	133	6	90.0	15	150	21	150	27	170	0
CPT-1A/ 68 ft	Z-12	not measured		5.5	12							13.7	9
CPT-30/ 68 ft	Z-18												
CPT-13A/ 70 ft	Z-1A												
CPT-24/ 70 ft	Z-9					4.7	15			9.1	27		
CPT-32/ 70 ft	Z-1A			7.7	12							5	9
W15-219SST/ 70 ft	Z-9	7.8	24			1.9	1			5.7	22		
CPT-4A/ 75 ft	Z-1A	not measured		7.1	3								
CPT-18/ 75 ft	Z-9	18	24			4.5	15			8.3	27		
CPT-31/ 76 ft	Z-12												
CPT-33/ 80 ft	Z-18												
W15-82/ 83 ft	Z-9	55	24	66.7	6	85.8	15	85.8	21	85.8	27	95.8	5
CPT-21A/ 86 ft	Z-9	195	24	186	6	206	15	244	21	244	27	209	5
CPT-34/ 86 ft	Z-18												
W15-95U/ 86 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	246	5
CPT-4B/ 90 ft	Z-1A			3.2	10								
CPT-1A/ 91 ft	Z-12			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			16.0	9
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			196.0	9
CPT-4F/ 109 ft	Z-1A											11.9	9
W18-165/ 109 ft	Z-1A	not measured		278	12	328	6	205	6			35.2	9
W15-217/ 114 ft	Z-9	442	24	93.6	6	444	15	458	21	487	27	374	5
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		
W18-158/ 120 ft	Z-1A	284	18	163	3								
W15-219SST/ 130	Z-9	54	24			23.1	1			0	22		
W18-249/ 130 ft	Z-18	176	18	196	12	46.3	6	41.0	6			64.9	9
W18-248/ 131 ft	Z-1A	214	18	306	12	182	6	180	6			249	9
W15-95L/ 144 ft	Z-9	not measured		31.8	6	25.1	15	40.3	21	40.3	27	26.7	5
W15-219SST/ 155	Z-9	44	24			6.8	1			9.5	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	2.1	5
W15-84L/ 180 ft	Z-9	not measured		not measured		25.9	15	25.9	21	25.9	27	23.0	5
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 CCl4 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 2004 - June 2005

200-PW-1										
(200-ZP-2)		11/17/2004	12/28/2004	01/19/2005	02/24/2005	03/10/2005	03/18/2005	05/05/2005	05/26/2005	06/23/2005
Location	Site									
(Well or Probe)		CCI4	CCI4	CCI4	CCI4	CCI4	CCI4	CCI4	CCI4	CCI4
/feet bgs		(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)
CPT-17/ 10 ft	Z-9	5.5	5.3	6.4	7.1		11.4			
CPT-18/ 15 ft	Z-9	0	1.5	3.1	0		0			
CPT-4E/ 25 ft	Z-1A							2.4	1.9	1.8
CPT-16/ 25 ft	Z-9	1.1	4.4	2.3	2.0		2.0			
CPT-32/ 25 ft	Z-1A	0	1.7	2.7	5.5		8.0	8.6	6.6	6.8
CPT-30/ 28 ft	Z-1A	0	1.3	1.5	1.6		0	0	0	0
CPT-13A/ 30 ft	Z-1A	3.0	0	7.1	2.5		8.3	6.6	1.5	3.6
CPT-7A/ 32 ft	Z-1A	1.5	2.2	3.9	2.9		4.4	3.2	2.6	2.4
CPT-27/ 33 ft	Z-9	1.3	8.4	2.2	3.2		2.2			
CPT-1A/ 35 ft	Z-12	4.7	14.0	13.2	11.3		4.3	6.0	11.1	9.2
CPT-28/ 40 ft	Z-9									5.4
CPT-33/ 40 ft	Z-18							3.9	1.1	1.9
CPT-34/ 40 ft	Z-18							3.0	1.1	1.9
CPT-21A/ 45 ft	Z-9								7.4	7.9
CPT-9A/ 50 ft	Z-9	39.4	48.4	48.4	46.4		50.8	50.3	53.9	49.7
CPT-9A/ 60 ft	Z-9	32.4	27.5	29.2	30.6		30.7	11.6	31.8	30.5
CPT-28/ 60 ft	Z-9							68.3	68.0	60.0
CPT-C3872 / 61 ft	Z-1A	1.1	4.4	5.9	7.6		9.9	11.8	14.6	15.5
CPT-9A/ 64 ft	Z-9	20.1	2.8	26.1	19.8		35.4	31.5	39.1	36.8
CPT-16/ 65 ft	Z-9	3.5	6.7	4.9	5.1		5.2			
CPT-21A/ 65 ft	Z-9	79.9	146	143	161		166	170	153	147
CPT-1A/ 68 ft	Z-12							6.2	13.7	2.0
CPT-24/ 70 ft	Z-9									
CPT-32/ 70 ft	Z-1A							5.5	3.4	4.5
W15-219SST/ 70 ft	Z-9									
CPT-18/ 75 ft	Z-9									
W15-82/ 83 ft	Z-9	--- (i)	--- (i)	--- (i)	95.8	30.6	---(k)			
CPT-21A/ 86 ft	Z-9	179	184	191	209		208	205	204	196
CPT-28/ 87 ft	Z-9	231	223	227	245		246	244	238	232
W18-152/ 101 ft	Z-12	10.4	12.3	14.6	13.3		16.0	14.8	13.2	13.4
W18-167/ 106 ft	Z-1A	--- (i)	--- (i)	--- (i)	37.4		20.4	26.7	20.2	196.0
CPT-4F/ 109 ft	Z-1A							7.8	7.7	11.9
W18-165/ 109 ft	Z-1A	--- (i)	--- (i)	--- (i)	35.2		15.0	22.2	30.8	10.4
W15-217/ 114 ft	Z-9	--- (i)	--- (i)	--- (i)	39.6		374			
CPT-24/ 118 ft	Z-9									
W15-220SST/ 118 ft	Z-9									
W18-249/ 130 ft	Z-18	--- (i)	51.5	52.2	33.7		64.9	55.3	36.5	36.8
W15-219SST/ 130 ft	Z-9									
W18-248/ 131 ft	Z-1A	--- (i)	--- (i)	--- (i)	70.5		249	173	169	155
W15-95L/ 144 ft	Z-9	--- (i)	--- (i)	--- (i)	26.7		24.8			
W15-219SST/ 155 ft	Z-9									
W15-220L/ 163 ft	Z-9									
W15-219L/ 175 ft	Z-9									
W15-9L/ 176 ft	Z-9	--- (i)	--- (i)	--- (i)	2.1		---(j)			
W15-84L/ 180 ft	Z-9	22.0	18.0	22.0	16.1	23.0	---(k)			
		(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								
		(j) Unable to sample before removal of tubing to support cross-well seismic investigation.								
		(k) Sampled on 3/10/05 prior to removal of tubing to support cross-well seismic investigation.								

Carbon Tetrachloride Concentrations  
 Monitored at 200-PW-1 Passive Soil Vapor Extraction Wells  
 October 2004 - June 2005

200-PW-1 (200-ZP-2)	10/11/2004	11/15/2004	12/29/2004	1/21/2005	2/28/2005	3/18/2005	5/5/2005	5/31/2005	6/22/2005
Location (Well or Probe) /feet bgs	CCl4 (ppmv)								
W18-6L/ 208 ft	8.6	20.3	21.2	21.1	18.4	22.9	23.2	17.0	13.4
W18-7/ 197 ft	18.6	21.6	20.8	6.8	24.6	23.1	21.9	5.0	19.0
W18-10L/ 183 ft	4.3	4.0	10.0	5.9	11.6	12.2	7.6	2.8	2.3
W18-11L/ 199 ft	0	4.8	6.9	2.5	2.8	7.3	6.7	1.6	2.0
W18-12/ 198 ft	1.4	1.7	8.1	0	5.2	9.9	5.6	0	0
W18-246L/ 170 ft	14.7	21.1	20.7	16.8	19.7	22.0	21.1	8.1	9.8
W18-247L/ 167 ft	0	0	4.6	0	4.4	6.4	6.4	0	9.3
W18-252L/ 175 ft	0	13.3	16.8	1.4	14.4	18.0	11.3	0	14.8

## 200 AREA UNIT MANAGERS' MEETING SOURCE OPERABLE UNITS AND FACILITIES STATUS

1200 Jadwin/Rm 1-C1  
July 21, 2005

### SOURCE OPERABLE UNITS STATUS

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

- Drilling (C4545) at 216-A-8 Crib (200-PW-3 OU) reached total depth at 264.5 ft on 6/30. Geophysical logging was completed on 7/05. The 8-inch casing was removed by 7/08. Work to remove the 10-inch casing was initiated on 7/11.
- Passive soil vapor surveys were conducted east of the 216-Z-9 Trench, at T Plant, and at the 218-W-3A Burial Ground as part of Step II of the dispersed carbon tetrachloride vadose zone plume investigation (200-PW-1 OU). The Z-9 and T Plant sampling was initiated on 5/26 and completed on 6/2. The 218-W-3A Burial Ground sampling was initiated on 6/30/05 and completed on 7/5/05. Laboratory analysis of the samples is in progress.
- The Step II investigation of the deep vadose zone using the EAPS (Enhanced Access Penetration System) technology was initiated on 6/27 at the 216-S-25 Crib. The first borehole (C4890) at the 216-S-25 crib reached total depth (224 ft) on 7/7/05, Soil vapor sampling was completed on 7/12/05. A groundwater sample also was collected. The second borehole (C4891) at the 216-S-25 Crib was initiated on 7/13/05.
- Sampling for carbon tetrachloride in existing wells was initiated on 6/22. Three of the approximately 30 planned wells were sampled for soil vapor and groundwater.
- Vista Engineering Technologies (VET) initiated soil vapor sampling using a cone penetrometer in the vicinity of the 216-Z-1A site on 7/18. The third Project Technical workshop, attended by the VET team, EPA, DOE-RL, PNNL, and FH, was conducted from 7/12-7/14.
- Based on discussions between DOE-RL, EPA, and FH on 7/06, planning for the 216-Z-9 slant well will include an evaluation of the feasibility of drilling a vertical (rather than slant) borehole through the Z-9 trench to obtain vertical profiling of the vadose zone under the trench and an evaluation of the results from the Vista Engineering sonic push drilling around the Z-9 trench, planned for October, to determine the option of using this drilling method for the slant (or vertical) well.
- Waste Control Plan - list of wells change. Will hold sampling activities until EPA approval signatures obtained.

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

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

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

- Feasibility Study and Proposed Plan preparation are nearing completion in anticipation of initiating the FH internal review. These efforts are slated to be placed on hold pending resolution of the upcoming ROD strategy discussions.

**200-CS-1**

- Feasibility Study preparation continues. Initial evaluation indicates no groundwater impact from any of the waste sites

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

- Response to Comments transmitted to EPA May 20, 2005. EPA will send out a response.

**200 Area Ecological Evaluation**

- The document is in FH internal signature approval and clearance review.

**200-IS-1 & 200-ST-1**

- Initial data gathering and evaluation complete. Based on this effort, it appears 10 of the 12 septic systems were closed based on WAC requirements. The remaining two septic systems may have been closed, however limited non intrusive field work (GPR) will be required to locate the septic systems and their status.

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

- RI Report preparation has been completed and the first draft is ready for FH internal review. This activity has been placed on hold pending resolution of the upcoming ROD strategy discussions.
- The borehole summary report (D&D-25461) was issued.

### 200-MW-1

- Drilling at the 216-A-4 borehole continues to be on hold until further discussions are held to determine a path forward.
- A borehole summary report (D&D-26572) has been prepared and is undergoing FH internal review prior to issuance.
- RI Report preparation was underway but further activities have been placed on hold pending resolution of the upcoming ROD strategy discussions.
- EPA requested additional information on 120 day pause regarding a holistic approach to characterization. FH completed historical research and has a new task lead on geophysics. Additional plans include a mini-DQO effort.

### 200-UR-1

- Ecology has approved the Work Plan pending incorporation of two word changes. In addition, comments were generated on the costs in the EE/CA portion of the Work Plan. A deviation notice has been submitted to obtain the funding to complete the work not included in the original baseline.

### 200-SW-1/2

- Continuing historical records collection; nearing completion on first third of BIN 3B burial grounds (industrial burial grounds including 218-C-9, 218-E-2A, 218-E-5, 218-E-5A, 218-E-8, 218-W-1A, and 218-W-11).
- Continuing to pursue potential collaboration opportunities with FH's Waste Stabilization and Disposition Project (conversion of microfiche records to electronic records, and geophysics support to TRU Retrieval treatability tests).
- Continued preparations for Mini-Collaborative DQO sessions on historical records and non-intrusive characterization. DQO sessions to begin in August.
- Procurement of non-intrusive geophysics characterization services for multiple burial grounds is underway: Request for Proposals were issued on July 8, 2005, Q&A has been completed, and bids are due by July 27, 2005. Field activities are targeted for August and September in the burial grounds listed in the first bullet.
- In support of RCRA/CERCLA integration, the 200-SW-1/2 OU will be participating in the LLBG Project Manager Meeting scheduled on July 26, 2005. Other initiatives to support RCRA/CERCLA integration are being pursued.

## BC Cribs and Trenches

- FFS and PP, Draft A, transmitted to EPA June 17. This starts 45-day (per TPA) review period to close on August 4. Turn-around of the redline/strikeout is anticipated before the end of August.
- Ground-truth activities to commence once SAP is completed and approved. SAP preparation is in progress.
- Expert panel review of deep vadose zone treatment technologies was completed April 26 – 28. The panel preliminarily eliminated all options but barriers and soil desiccation and in early June provided a draft report for local review and comment. The final report is expected at the end of July.

## 200-UW-1

- Creating Timed-Critical-Response Action documentation to accelerate removal of piping and interferences associated with installing the proposed barriers for 216-U-8 and 216-U-12.
- DOE made a proposal to administratively close the 216-U-12 crib TSD unit. The Parties agreed to put the proposed change out for public comment (scheduled to begin July 25, 2005).
- Ecology requested DOE place the Proposed Plan public comment effort on hold in order to conduct a workshop on August 15, 2005. Ecology is proceeding with ROD development without the 216-U-12 crib and plans to add it later, through an Explanation of Significant Difference. A concern was raised that efforts extend beyond 216-U-12. Will need to work through Ecology's implementation of the TPA.
- Completed excavation to uncover and decommission the 3 well heads at 216-U-1 and 2 and 216-U-8 Cribs. Currently trying to verify component uncovered for U-8 is being correct.

## FACILITIES STATUS

- **U Plant CDI** – A draft ROD went into EPA and RL internal review June 14 and is being prepared for concurrent reviews. EPA sent draft ROD to the EPA legal department for coordination with the State. EPA has been working on the feasibility of evapotranspiration covers. Ecology should get a draft ROD next week. FH is working on a performance monitoring white paper.
- **U Ancillaries** – Have completed D&D of 7 of 10 structures to date. Demolition of 203U (uranium storage tank enclosure) and 222U is in progress. Project completion is planned for August.
- **200E Miscellaneous Structures** – Continuing demolition preparation of structures as fill work around U Ancillaries.
- **Facility Binning** - The Central Plateau Facility Binning Report was prepared and is being considered by the regulators.

- **B-Plant Stack** – Downgrade of this stack to a minor emission unit was approved by EPA in 2004. The Washington Department of Health (WDOH) and RL agreed to NOC terms and approval conditions. A letter from WDOH was transmitted June 24, 2005.
- **PUREX Stack** – Downgrade of this stack to a minor emission unit is under review by EPA and WDOH. A deep bed filter/aerosol test will be performed in July/August to provide a current basis for the request.
- **209E (critical mass laboratory)** - Questioned by WDOH in 2004 as to adequacy of the basis for being classified as a minor emission unit. Confirmation results of destructive analysis indicate emissions are several orders of magnitude below the limit for a minor classification. RL is submitting the results to WDOH by the end of July.
- **209E, B-Plant, U-Plant, PUREX and REDOX Ventilation** – Transition from continuous ventilation to intermittent ventilation discussed with WDOH on May 19 and June 7. An NOC for 209E is being prepared for submittal.
- **Facility Binning** – a question was raised regarding the status of facility binning. Craig Cameron (EPA) stated that he had met with Laura Cusack (Ecology) and Laura will draft a statement to be incorporated into Section 8.0 of the TPA. The determination of non-time critical removal actions will be done through an action memorandum and not the binning document.

**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
41	Reconstruct Agreements for ZP-1 Expansion	FH - Byrnes	DOE-RL	01/20/05	02/17/05	09/30/05		Revise RDRA Document
48a	Provide a 200-BP-5 schedule to regulatory agencies	PNNL/RL	EPA/Ecology	02/17/05	03/17/05	05/19/05		PNNL - Luttrell will provide draft schedule for DQO to all
48b	Provide an updated 200-PO-1 schedule to regulatory agencies	PNNL/RL	EPA/Ecology	02/17/05	03/17/05	05/19/05	7/7/2005	<b>Closed, schedule logic under discussion by Charboneau (RL) and Price (ECY)</b>
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-015-00C.	All		02/17/05	TBD	10/31/05		Clarification waiting for next M-015 change pkg. <b>Hold for 120 day evaluation of characterization needs</b>
53a	Provide clarification wording for M-015 completion criteria at next meeting. Discuss TPA Milestone wording for M-15-00C Draft A of RI/FS.	All		04/21/05	07/30/05			FH - Borghese will set up meeting to discuss.
54	Evaluate impacts of the rail cars and decisions/timeframes to remove them on the ROD for 200-UR-1	FH	RL	02/17/05	05/31/05			<b>Closed, will address in UR-1 ROD as date</b>
54a	Find out schedule date-sequencing needs to be integrated	FH - Bauer		06/16/05	08/30/05			<b>Closed, will address in UR-1 ROD as date</b>
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	08/30/05		Ecology EPA Workshop Scheduled for August 15, 2005
56a	Prepare white paper explaining TPA RCRA/CERCLA integration process for UMM.	Ecology - Price	All	04/21/05	6/16/05	08/30/05		Schedule Meeting for August UMM

**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
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	07/30/05		FH - Hulstrom will set up meeting. RL got cost est. need to review value added.
60	Finalize binning report document	RL/FH	EPA/Ecology	04/21/05	05/19/05	08/30/05		Per document number and TPA change
61	Decide on specific decision documents for surveillance and maintenance coverage of all facilities under Central Plateau	RL/FH-Dusek	EPA/Ecology	04/21/05	TBD			Dusek will send out e-mail
62	Request extension on BP-5/PO-1 waste storage area	RL/FH	EPA/Ecology	04/21/05	05/19/05			DQO meeting scheduled for August 17, 2005
63	Transmit BC Cribs & Trenches FS and PP to EPA	RL/FH	EPA/Ecology	04/21/05	05/19/05		6/17/2005	<b>Closed</b>

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

DOE/RL

Bryan Foley	A6-38
Frank Roddy	A6-39
Larry Romine	RMIS
John Silko	A6-38
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	E6-35

CHG

Curt Wittreich	RMIS
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PNNL

Stuart Luttrell	K6-96
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Administrative Record (2)

H6-08

Please inform Dee Goodson – FH (373-4456)  
of deletions or additions to the distribution list.