

HTW BCT Meeting Minutes for Operable Unit 1
Former Fort Ord, California
October 9, 2007

An HTW BCT meeting was held on 9 October 2007, at the BRAC Conference Room, Former Fort Ord, California. Attendees included the following representatives:

Gail Youngblood, Fort Ord BRAC	Bill Mabey, Tech Law
Grant Himebaugh, RWQCB	Derek Lieberman, Ahtna
Bill Collins, Fort Ord BRAC	Marc Edwards, USACE
Martin Hausladen EPA	Mike Bombard, HGL
Kate Burger, DTSC	Ed Ticken, MACTEC
Roman Racca, DTSC	David Kelly, Shaw
George Siller, USACE	Peter Kelsall, Shaw
Don Jones, HGL	Roy Evans, HGL

A summary of key discussions, issues and decisions/actions is presented below.

1. Groundwater Remediation Project Update

- The Northwest groundwater extraction and treatment system (consisting of the HCPP and FONR systems) operation is proceeding smoothly and has extracted and treated over 22 million gallons of extracted groundwater since operation began on 01 July 2006 (see **attached handout**).
- The most recent influent sample for which HGL has laboratory results was collected on 12 September 2007 and revealed a detected TCE concentration of 0.88 µg/L. The mid point and effluent concentrations remained at “non-detect” (the method detection limit is 0.5 µg/L).
- Based on the measured flow rates and TCE concentrations, the system has removed approximately 0.60 pounds of TCE since operation began.
- The average total pumping rate was approximately 35.7 gallons per minute (gpm)

2. Quarterly LTM Status Reports

- The Second quarter 2007 groundwater monitoring report scheduled to be submitted on 11 October 2007.
- HGL received analytical results for 2 out of 3 sample data groups for the third quarter groundwater LTM samples, this data will to be submitted to validators this week.
- The Final 4th Quarter and Annual groundwater monitoring report is tentatively scheduled to be submitted on 17 October 2007.

3. Other Submittals

- The Rebound Evaluation Technical Memorandum is in progress.

4. FONR Construction

- Startup hydraulic testing for the FONR extraction and injection wells was conducted during the period from 3 to 11 October 2007.
- The FONR portion of the OU-1 treatment system is scheduled to be fully operational on 11 October 2007

That concluded the discussion of HGL efforts on OU-1. The next meeting is scheduled for 15 November 2007 at 10:00 AM.

OPERABLE UNIT CARBON TETRACHLORIDE PLUME ENHANCED IN SITU BIOREMEDIATION PILOT STUDY

STATUS – October 9, 2007

FIELD WORK

- Well construction complete – July 27
 - 15 extraction wells
 - 7 injection wells
 - 5 monitoring wells
- Well development complete – August 8
- Wells surveyed – August 14
- Slug testing complete – August 17
- System construction in progress
 - all major equipment on site
 - substrate processing equipment constructed in conex box
 - conex bow moved to OUCTP site on Sept 12
 - electrical/system automation

SCHEDULE

- Field piping and extraction well tie-ins – complete October 12
- Electrical installation – complete October 16
- Startup/Tracer testing – October 22 to November 22
- Start substrate injection – December

DATA

- Preliminary modeling results for proposed tracer testing based on slug test hydraulic conductivity data. Tracer test to be run for approximately 30 days. Model conducted through 60 days to predict long-term trends.

**Fort Ord OU-1
Northwest Treatment System Operational Summary
October 9, 2007 BCT Meeting**

Date	Influent TCE Concentration (µg/L)	Volume Treated (gal)	Mass Removed (lb)
6/27/06-7/1/06	6.90	190,000	0.011
7/2/06-7/12/06	3.80	781,680	0.025
7/13/06-7/19/06	4.80	425,980	0.017
7/20/06-7/26/06	3.90	371,170	0.012
7/27/06-9/29/06	6.00	3,497,030	0.175
9/30/06-1/29/07	3.70	5,514,470	0.170
1/30/07-3/13/07	2.90	2,351,090	0.057
3/13/07-5/22/07	2.00	3,698,570	0.062
5/22/07-7/16/07	1.70	2,571,340	0.037
7/17/07-9/11/07	1.20	2,833,230	0.028
9/12/07-9/20/07	0.88	358,010	0.003
Total Volume Pumped (gal)			22,592,570
Total Mass Removed (lb)			0.60
Average Pumping Rate (gpm)			35.69

Date	Influent Totalizer FI-131 Reading	Gallons since previous reading	Average Rate (gpm)	%Uptime
9/5/2007	21889680	647,140	37.3	100
9/12/2007	22234560	344,880	34.3	100
9/20/2007	22592570	358,010	31.3	90

