

Aug 10, 2005

**HTW BCT Meeting Minutes for Operable Unit 1
Former Fort Ord, California
July 20 , 2005**

1. An HTW BCT meeting was held July 20, 2005, at the BRAC Conference Room, Former Fort Ord, California. The portion of the meeting dedicated to Operable Unit 1 (OU-1) was held from approximately 4:30 p.m. to about 4:45 p.m.

Attendees included the following representatives:

Gail Youngblood	US Army	Martin Hausladen	US EPA
Derek Lieberman	US Army	Bill Mabey	TechLaw
David Eisen	US Army	Grant Himebaugh	CA RWQCB
George Siller	US Army	Roman Racca	CA DTSC
Stewart Black	CA DTSC	Patricia Velez	CA F&G
Dot Lofstrom,	CA DTSC		

HGL: Bob Parkins; Roy Evans, Don Jones

A summary of key issues and decisions/actions are described in the following paragraphs.

2. Armstrong Ranch Access Agreement: The Access Agreement has not been finalized for field work on the Armstrong Ranch property. The agreement details are still being formulated by legal staff.
3. Long Term Monitoring Results:
 - a. The June groundwater samples show that the TCE concentrations are decreasing in the source area (southern portion of the plume). The northwest boundary also showed a reduction except for MW-OU1-57-A, which recorded 5.2 parts per billion (ppb) at approximately 3.0 feet below the groundwater level. This particular well was pump tested last fall and had an 8-foot drawdown, followed by recovery. Mr. Evans stated that he suspected that mixing occurred, as previous readings showed 28 ppb at depth and Non-detect (detection limit at 5 ppb) near the groundwater surface whereas they now show 7.0 ppb at depth and 5.2 ppb near the groundwater surface.
 - b. Mr. Mabey suggested that the pump tests should be mentioned in subsequent quarterly reports for a historical perspective.
 - c. Passive Diffusion Bags were installed at shallow depths (i.e., at two of the following three depths: 2, 6, and 10 feet below the estimated water table) in the nearby northwest boundary wells (MW-OU1-57-A; MW-OU1-58-A; and MW-B-10-A) as part of previously planned monitoring. Thus, additional information will be available in the 3rd quarter to assess the shallow groundwater quality along the NW Boundary Road.

4. Pilot Project:
 - a. No comments were received for the draft Pilot Study Table of Contents. HGL will assume it is OK as presented.
 - b. HGL will soon distribute a Pilot Study summary document which briefly describes the model. Formal review comments are not requested: notes on key items would be helpful.
 - c. Schedule:
 - i. Draft – late September, 2005
 - ii. Review – 30 days plus on-board review meeting
 - iii. Final – late October, 2005
 - iv. Construction start – November, 2005
 - d. Construction phases:
 - i. Phase 1: install one extraction and one injection well plus the treatment plant; operate for one week; review performance and make adjustments
 - ii. Phase 2: install balance of system in Spring, 2006
5. Infiltration galleries:
 - a. As an alternative to injection wells, HGL is considering infiltration galleries, or “French drain” like pipes laid below the ground surface. The galleries would be located near the northwest boundary and in areas free of threatened and endangered (T&E) species.
 - b. Mr. Mabey asked if the governing ROD required returning treated water to the plume by spray irrigation. Mr. Hausladen replied that since the galleries are part of a pilot study, it is OK. Ms. Youngblood also noted that if an Explanation of Significant Differences is required, it can be done afterward.
6. Off Post Deep Wells: HGL earlier researched and reported information on deep wells developed by others. Nothing more will be done until the off-Post field investigations indicate the extent and direction of the OU-1 plume.
7. Western Monitoring Well: Dr. Maggie Fusari wrote a letter to DTSC expressing concern about the proposed western monitoring well location (requested by DTSC) and its impact on T&E species. DTSC identified an alternative location on the western end of the northwest boundary road. They desire to fill the approximate 300 foot gap between MW-BW-66-A and MW-BW-67-A with another monitoring well or drill a replacement well for MW-B-11-A. The latter well is used to monitor the Carbon Tetrachloride Plume and is being abandoned by MACTEC due to construction problems. Mr. Jones stated HGL will evaluate the western well proposal.

Bob Parkins, P.E.
Project Manager
HydroGeoLogic, Inc.