

**HTW BCT Meeting Minutes for Operable Unit 1
Former Fort Ord, California
August 26, 2005**

1. An HTW BCT meeting was held August 26, 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 12:00 a.m. to about 12:30 p.m. Attendees included the following representatives:

Gail Youngblood	US Army
George Siller	US Army
David Eisen	US Army
Derek Lieberman	US Army
Grant Himebaugh	CA RWQCB
Stewart Black	CA DTSC
Dot Lofstrom	CA DTSC
Martin Hausladen	US EPA
Bill Mabey	TechLaw
Greg Hibbard	AIG

HGL: Don Jones, Mike Bombard, Roy Evans, Bob Parkins

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

2. HGL staff addition: Mr. Bombard PG, CHG was introduced as the new HGL Project Manager, starting in September. Educated at UC Berkeley, Mr Bombard has over 17 years of experience in both the public and private sectors in remediation investigations, Feasibility Studies, and remediation. Mr. Parkins will continue to work on the project and shall manage engineering designs and construction, his specialty, while Mr. Bombard will use his expertise to manage the overall project and the investigation activities. Hence, the team is gaining an additional resource. A letter describing the change will be sent to the Contracting Officer.
3. Phase 4 Field Work activities:
 - a. Resistivity Survey:
 - Field work was completed on August 18 on transect D-D', which is located east of MW-OU1-45-A along the Northwest boundary road. The data will provide a more comprehensive view of the SVA.
 - A color coded cross section is due from the Contractor by no later than 29 August. A final report is due shortly thereafter.
 - b. Abandonment of MW-OU1-48-A
 - Review comments on the Phase 4 Work Plan Addendum for abandonment of MW-OU1-48-A had previously been received from DTSC. The other regulators were asked if they had any comments.

Mr. Himebaugh of RWQCB and Mr. Hausladen of EPA confirmed that their agencies had no comments.

- Field work for the well abandonment and the drilling of piezometers for subsequent pump tests are expected to start on/about 12 September.

c. Pump Tests:

- Pump tests for IW-OU1-10-A and MW-OU1-46-AD are expected to start on/about 26 September.
- HGL proposed two variations in the Work Plan which may be identified as variances in the final field report, as follows:
 - Conduct Step Draw Down tests up front.
 - Forgo manual sampling during the night as there is a data logger and there are safety issues (dark, isolated well locations, mountain lion).
- DTSC agreed that the proposed changes may be implemented and documented as variances.

4. Pilot Study:

- a. The Pilot Study design is being expanded to capture all flows across the Northwest boundary as opposed to allowing minimal leakage and capturing it with down gradient wells or assuming that the model is too conservative (i.e. actual flows are less than the predicted model results, hence there is no leakage).
- b. The expansion will incorporate six extraction wells and an increase in flow rate by about 10 gpm.
- c. There is a PG&E easement along the Northwest boundary, which means the treatment plant will now be placed on the south side of the road in the grassland to avoid the easement and future construction of an FAA communication line along the fence.
- d. Dr. Maggie Fusari was briefed on the Pilot Study features and is OK with them, as the construction sites are not on sensitive biological areas containing sand gilia or Monterey spine flower. Minutes of meetings with Dr. Fusari will be sent to everyone on the distribution list.
- e. Pilot Study Schedule:
 - A summary preview of the Pilot Study approach will be distributed in about 10 days for input, i.e. is it on the right track, etc? Any responses are requested within two weeks.
 - A draft of the Pilot Study Design/Work Plan will be submitted in mid October.
 - Phase 1 if the Pilot Study construction (at least one extraction well, pipeline, treatment plant, and injection well or an infiltration gallery) will commence in December, 2005.
 - Pump tests will be performed on the extraction well and the Pilot Study design will be adjusted accordingly, based on the results. Any revisions will be submitted for review for thirty days, ending in an on-board review. The completion of the construction will then follow.

5. Return of Treated Water to Aquifer, Environmental Issues:
 - a. Mr. Evans, referring to the previous BCT at which time Mr. Mabey asked if the ROD required treated water to be returned by spray irrigation, noted that the methodology proposed does not violate the existing ROD. Furthermore, the ROD can also be interpreted as being silent on a required method of handling treated water, although it does mention spray irrigation.
 - b. Mr. Himebaugh stated that spray irrigation is the same as seepage via an infiltration gallery, except at the surface.
 - c. HGL stated a subsurface infiltration gallery, the preferred HGL approach, would be placed outside of the plume and sensitive biological areas. Also, Dr. Fusari is opposed to the surface spray irrigation as it facilitates the establishment of invasive grasses and weeds as well as ice plant, which is considered undesirable in the FONR.
 - d. Mr. Hausladen suggested writing a Memo to File explaining the use of an infiltration gallery, as proposed, in lieu of spray irrigation.
 - e. HGL noted that the CH2M Hill draft field survey results for 2005 (sand gilia and Monterey spineflower) were submitted to HGL for review. A copy was given to Mr. Bill Collins by HGL as a preview. After HGL review, the draft will be officially distributed (expected in October). HGL will also be performing annual surveys for three years after construction.

6. Access Agreement Status:
 - a. Mr. Parkins summarized the access agreement status. The document has gone through several iterations and now covers only a sliver of Armstrong property approximately 150 by 1600 feet adjacent to the northwest boundary to accommodate monitoring wells which will be the OUI compliance/performance network for the Pilot Study.
 - b. Mr. Armstrong's attorney, Mr. Finnegan, is seeking assurances that someone other than the property owners will assume responsibility for eventual well abandonment should HGL not be around at that time.
 - c. Mr. Parkins asked if the Army would consider being a signatory to the access agreement. Mr. Siller asked that written documentation of the Armstrong position be sent to him so he can confer with his attorney. HGL agreed to provide the documentation.

Bob Parkins, P.E.
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