

**Former Fort Ord Operable Unit (OU)-1 – Base Closure Team (BCT) Meeting
Update
Groundwater Remediation, Well Destruction, and Treatment Plant Decommissioning
Marina, California
12 April 2017**

OU-1 On-Post Activities for 10 March through 06 April 2017

Prepared by HydroGeoLogic, Inc., Roy Evans, Project Manager

Attendees: (to be revised after meeting)

Individual	Attended?	Individual	Attended?
James Specht, USACE		Jon Fenske, HEC	
Teresa Rodgers, USACE		Kimberly Gettman, DTSC	
Alex Kan, USACE		Noel Shrum, DTSC	
Bonnie McNeill, USACE		Grant Himebaugh, RWQCB	
Cory Koger, USACE			
Jonathan Whipple, USACE		Jeff Fenton, AMEC	
David Eisen, USACE		Derek Lieberman, Ahtna	
Paul Fluck, USACE		Holly Dillon, Ahtna	
Curtis Payton, USACE		Brad Clarke, Ahtna	
William Collins, BRAC		Thor Anderson, Burleson	
Melissa Broadston, Chenega ¹		Steve Crane, Kemron	
Bart Kowalski, Chenega ¹		Erin Caruso, Gilbane	
Cary Stiebel, Chenega ¹		Larry Friend, Gilbane	
Tom Ghigliotto, Chenega ¹		Kevin Siemann, Gilbane	
Maeve Clancy, EPA		Nadia Burleson, Burleson	
Martin Hausladen, EPA		Roy Evans, HGL	
Min Wu, Ph.D., DTSC		Kevin Wierengo, HGL	
Steve Sterling, DTSC		Gage Dayton, Ph.D., UCSC	
Duane Balch, USACE		Charity Meakes, USACE	
X = attended in person or by telephone; blank indicates absent from the meeting			

Notes:

¹Chenega staff supporting the BRAC
Ahtna = Ahtna Engineering Services
BRAC = Base Realignment and Closure Fort Ord Office
CB&I = Chicago Bridge & Iron, Inc.
DTSC = California Department of Toxic Substances Control
EPA = U.S. Environmental Protection Agency
HGL = HydroGeoLogic, Inc.
RWQCB = Regional Water Quality Control Board
UCSC = University of California, Santa Cruz
USACE = U.S. Army Corps of Engineers

OU-1 Treatment Plant Operations

Remediation is complete. The northwest treatment system (NWTS) is offline but operable. The 2G alarm system is not operable. It will be necessary to upgrade to 4G equipment if the NWTS monitoring is to resume. The remediation system was inspected on 27 March and was observed in good condition. The sump has functioned properly during the recent rains.

Reporting/Federal Facility Agreement (FFA) Schedule

The status of ongoing and anticipated reports for OU-1 is summarized in Table 1. The Final Armstrong Ranch Well Destruction Report was submitted and the responses to Mr. Weaver's comments were mailed by the BRAC Office. A replacement page was submitted for the Exit Strategy Technical Memorandum to correct the error discovered during preparation of the Five-Year Review Report. Planning documents were started for the upcoming well destruction effort.

OU-1 Closeout

The Army/HGL are preparing the Draft Work Plan to destroy the remaining OU-1 monitoring, extraction, and injection wells and to decommission the NWTS. We expect to deliver that document for Agency review sometime in May. We anticipate that the wells will be destroyed and NWTS decommissioning completed before the onset of the Fall rainy season. Portions of the NWTS (fencing, lighting, power, and the containment basin) will be left in place for subsequent use by University of California Santa Cruz. The buried pipelines connecting the extraction and injection wells and infiltration trenches to the NWTS will be capped at their endpoints and left in place to minimize impact to the FONR habitat.

OU-1 Rare Plant Monitoring

The 2016 OU-1 Rare Plant Survey and Impact Assessment Report was submitted to the UCSC and to the BRAC Office for further distribution. A rare plant survey will be completed the week of 10 April at those remaining well sites within the FONR habitat area where Monterey spineflower have been observed in the past and at the seven well sites where the third year of post-destruction monitoring is scheduled. Sand gilia peak flowering is underway this week. Yadon's piperia will be surveyed concurrently rather than in a separate effort to match their peak flowering period.

Five-Year Review

The Army submitted the draft 5-Year Review report for regulatory and public review.

New/Current Action Items:

- None.

Ongoing:

- Submit draft minutes for previous BCT meeting(s)—complete through March 2017.
- Submit final minutes for previous BCT meeting(s)—complete through March 2017 – thank you everyone for the timely reviews.

Table 1
Current OU-1 Deliverable Schedule
Former Fort Ord, Marina, CA –March 2017

Deliverable Title	Submittal	Review Comments Due	Status/Remarks
<i>Primary Deliverables</i>			
None Scheduled			
<i>Technical Memorandum</i>			
None Scheduled			
<i>Secondary Deliverables</i>			
Draft Work Plan FONR Well Destruction and NWTS Decommissioning	May 2017	June 2017	In progress
<i>Completed Recent Submittals</i>			
Final Exit Strategy Technical Memorandum	March 2015	April 2015	Draft Final approved without comment. Change pages distributed 12 May 2015
Final PFOA/PFOS Sampling Results Technical Memorandum Attainment Monitoring Events 1 - 4	04 March 2016	01 April 2016	Final submitted 16 March 2016
Final 2016 OU-1 Groundwater Monitoring Report	26 August 2016	None	Comments received, addressed, and Final submitted
Final Armstrong Ranch Well Demolition Completion Report	17 February 2017	None	Final report submitted. Response to public comment submitted separately.
Attainment Monitoring Evaluation and Summary for EPA Designated Emerging Contaminants	25 August 2016	None	Approved as submitted by EPA (21 February 2017), DTSC and RWQCB
Final Armstrong Ranch Well Demolition Completion Report	17 February 2017	None	Final report submitted. Response to public comment submitted separately.

¹ The Semiannual Groundwater Monitoring Report is submitted as a final document but review comments are accepted. Any comments are addressed in the Annual Groundwater Monitoring Report.