

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

OU-1 On-Post Activities for 05 November through 05 January 2017

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

Attendees: (to be revised after meeting)

Individual	Attended?	Individual	Attended?
James Specht, USACE		Kimberly Gettman, DTSC	
Teresa Rodgers, USACE		Edward Walker, 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	
Chris Duffey, 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.

Reporting/Federal Facility Agreement (FFA) Schedule

The status of ongoing and anticipated reports for OU-1 is summarized in Table 1. The Draft Well Destruction Completion Report for the Armstrong Ranch wells demolished in October was submitted on 09 December 2016; comments are due by 11 January 2017. The Technical Memorandum submitted to support the recommendation for site closeout is still in agency review and is described below.

OU-1 Closeout

The Army submitted a Technical Memorandum to the regulatory agencies on 25 August regarding closure in view of PFOA and PFOS concentrations. As noted in previous meetings, two wells (MW-OU1-88-A and PZ-OU1-10-A1) do not meet the revised HA value of 70 nanograms per liter for the sum of PFOA and PFOS concentrations. Figure 10 from the Remedial Action Completion Report is attached for reference. The Technical Memorandum provides rationale to support the Army's recommendation that OU-1 proceed to closeout. DTSC and RWQCB have completed their review and informed the BCT that they concur with the Army's recommendations for closure. EPA Region 9 staff are communicating with the FFA Facilities staff at EPA Headquarters and Army officials in the Pentagon regarding OU-1 site closure. At this point, neither EPA Region 9 or EPA Headquarters have determined their position on the Army's recommendation to close the site. The review time was extended to the January 2017 BCT meeting.

OU-1 Rare Plant Monitoring

The draft report for the 2016 OU-1 Rare Plant Survey and Impact Assessment was reviewed by the Army. HGL responded to comments and submitted the corresponding revisions for Army review.

Five-Year Review

HGL staff are assisting the Army in preparing the 5-Year Review report.

New/Current Action Items:

- The next BCT meeting is set for 24 February 2017 at 1330.
- Open House will be on 25 February and TRC meeting on 28 February at 1000.

Ongoing:

- Submit draft minutes for previous BCT meeting(s)—complete through December 2016.
- Submit final minutes for previous BCT meeting(s)—complete through December 2016.

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

Deliverable Title	Submittal	Review Comments Due	Status/Remarks
<i>Primary Deliverables</i>			
None Scheduled			
<i>Technical Memorandum</i>			
Attainment Monitoring Evaluation and Summary for EPA Designated Emerging Contaminants	25 August 2016	18 January 2017	In EPA review; approved as submitted by DTSC and RWQCB
<i>Secondary Deliverables</i>			
Armstrong Ranch Well Demolition Completion Report	09 December 2016	11 January 2017	In agency and public review.
<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
Site Safety and Health Plan Update	March 2015	Not Applicable	Army approved revisions
Final UFP-QAPP Revision 1	March 2015	April 2015	Draft Final approved without comment. Change pages distributed 14 May 2015
2015 Semiannual Groundwater Monitoring Report ¹	07 August 2015	10 September 2015	Accepted without comment
Draft 2015 Annual Groundwater Monitoring Report ¹	15 October 2015	16 November 2015	Draft Accepted without comment; final submitted 03 December 2015
Final UFP-QAPP Revision 2	14 October 2015	16 November 2015	
Draft PFOA/PFOS Sampling Results Technical Memorandum Attainment Monitoring Events 1 - 4	29 January 2016	29 February 2016	Comments received and addressed
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

¹The 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.