

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

**OU-1 On-Post Activities for 07 July through 04 August 2017**

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

**Attendees:**

Individual	Attended?	Individual	Attended?
Tom Savage, USACE		Jon Fenske, HEC	
Laura Becia, 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 <sup>1</sup>		Steve Crane, Kemron	
Bart Kowalski, Chenega <sup>1</sup>		Erin Caruso, Gilbane	
Cary Stiebel, Chenega <sup>1</sup>		Larry Friend, Gilbane	
Tom Ghigliotto, Chenega <sup>1</sup>		Kevin Siemann, Gilbane	
Maeve Clancy, EPA		Katie Christianson, Burleson	
Duane Balch, USACE		Roy Evans, HGL	
Charity Meakes, USACE		Megan Matteazzi, HGL	
Steve Sterling, DTSC		Gage Dayton, Ph.D., UCSC	
Min Wu, Ph.D., DTSC			
X = attended in person or by telephone; blank indicates absent from the meeting			

**Notes:**

<sup>1</sup>Chenega 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 Groundwater Monitoring and Treatment Plant Operations**

All OU-1 wells have been destroyed. The northwest treatment system (NWTS) was decommissioned and all treatment infrastructure was removed as planned. The containment basin, fence and lighting were left in place to be used by the University of California at Santa Cruz (UCSC) as shown in photograph below. The electric power was terminated but can be restored if UCSC opens an account with PG&E. Holding tanks, treatment vessels, and bag filters were transported to a recycling facility in Castroville.



## **Reporting/Federal Facility Agreement Schedule**

The status of ongoing and anticipated reports for OU-1 is summarized in Table 1. The proposed Closeout Report submittal schedule is presented in Table 1. The Well Destruction and NWTS Decommissioning Report will be included as an Appendix in the Closeout Report.

## **OU-1 Rare Plant Monitoring**

The BRAC Office submitted the 2016 Rare Plant Survey Report to the USFWS and CDFW. The biological monitoring and habitat report for the 2017 baseline rare plant survey at the destroyed wells and the third-year survey at the sites monitored after the 2014 well

destruction effort is being prepared. Monterey spineflower populations were widespread and abundant in comparison to past results. The area along the northwest boundary road encompassing most of the OU-1 wells fell within population polygons; only isolated plants were observed in this area in the past.

### **OU-1 Closeout**

Well destruction work was completed on 18 July 2017. Thirty-five wells were destroyed and there are no remaining OU-1 wells. Joe Miller (UCSC) stated that the well sites and vault removal locations looked good at the conclusion of the field effort. The NWTs decommissioning effort was completed on 02 August 2017. All treatment system infrastructure was removed by 14 July and the site electric power was reconfigured to provide lighting and power outlet for future use by UCSC.

### **OU-1 Five Year Review**

The regulatory agencies comments on the Draft Five Year Review report are being addressed. A draft response to comments is expected in August.

### **Other Topics**

- The BRAC Office / Army / Regulatory Agencies discussion on the possibility of a partial delisting from the Fort Ord Superfund site for OU-1 will remain on hold for the near future.
- Upcoming BCT meetings are 13 September and 11 October. All meetings are on Wednesdays at 1330 PCT.
- Maeve Clancy will be out from January – April 2018. EPA will identify a temporary replacement.

### **OU-1 Action Items:**

- Submit draft and final minutes for previous BCT meeting(s)—Final minutes through July 2017 have been uploaded. The draft minutes for June were accepted as written.

**Table 1**  
**Current Deliverable Schedule**  
**Former Fort Ord, Marina, CA**

Deliverable Title	Submittal	Review Comments Due	Status/Remarks
Primary Deliverables			
Draft OU-1 Closeout Report	18 Sept 2017	17 Nov 2017	Proposed schedule for discussion at BCT meeting. Includes Well Destruction Report as an Appendix.
Draft Final OU-1 Closeout Report	11 Dec 2017	17 Jan 2018	
Final OU-1 Closeout Report	24 Jan 2018	None	
Secondary Deliverables			
None			Biological monitoring reports only.
Completed Recent Submittals			
Final UFP-QAPP	May 2014	Received	Submitted 29 May 2014.
Draft Well Destruction and Treatment Plant Demolition Completion Report	Aug 2014	Sept 2014	Draft accepted as Final Submitted 03 October 2014.
Final Exit Strategy Technical Memorandum	March 2015	April 2015	Draft Final approved without comment. Change pages distributed 12 May 2015.
Final UFP-QAPP Revision 1	March 2015	April 2015	Draft Final approved without comment. Change pages distributed 14 May 2015.
Final PFOA/PFOS Sampling Results Technical Memorandum	26 Oct 2015	None	Final submittal made.
Draft 2015 Annual Groundwater Monitoring Report <sup>1</sup>	15 Oct 2015	Nov 2015	Accepted without comment; final submitted 03 December 2015.
Draft UFP-QAPP Revision 2	14 Oct 2015	Nov 2015	Accepted without comment; final submitted 03 December 2015.
Final Technical Memorandum Attainment Events 1 - 4	16 March 2016	None	EPA, DTSC, and RWQCB accepted final version.
Final OU-1 2016 Annual Groundwater Monitoring Report	25 Aug 2016	None	Back-check draft version with responses was accepted. Omitted Draft Final step.
OU-1 PFOA/PFOS Health Advisory Technical Memorandum	25 Aug 2016	NA	Draft was accepted as written by all Agencies and BRAC submitted notice of Final version.
Draft OU-1 Armstrong Ranch Well Destruction Completion Report	09 Dec 2016	11 Jan 2017	Final report submitted. Responses to public comment were submitted by the BRAC Office.
Preliminary Draft Work Plan FONR Well Destruction and NWTs Treatment Plant Decommissioning	28 April 2017	12 May 2017	Submitted.
Final Work Plan FONR Well Destruction and NWTs Treatment Plant Decommissioning	24 May 2017	26 June 2017	Submitted 08 July 2017. Draft Final omitted.

<sup>1</sup> 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.