

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

**OU-1 On-Post Activities from 09 June through 06 July 2017**  
Prepared by HydroGeoLogic, Inc., Roy Evans, Project Manager

**Attendees:**

<b>Individual</b>	<b>Attended?</b>	<b>Individual</b>	<b>Attended?</b>
Tom Savage, USACE	X	Jon Fenske, HEC	
Laura Becia, USACE	X	Kimberly Gettman, DTSC	
Alex Kan, USACE	X	Noel Shrum, DTSC	
Bonnie McNeill, USACE		Grant Himebaugh, RWQCB	X
Cory Koger, USACE			
Jonathan Whipple, USACE	X	Jeff Fenton, AMEC	X
David Eisen, USACE		Derek Lieberman, Ahtna	X
Paul Fluck, USACE		Holly Dillon, Ahtna	X
Curtis Payton, USACE	X	Brad Clarke, Ahtna	
William Collins, BRAC	X	Thor Anderson, Burleson	X
Melissa Broadston, Chenega <sup>1</sup>	X	Steve Crane, Kemron	X
Bart Kowalski, Chenega <sup>1</sup>		Erin Caruso, Gilbane	X
Cary Stiebel, Chenega <sup>1</sup>	X	Larry Friend, Gilbane	
Tom Ghigliotto, Chenega <sup>1</sup>	X	Kevin Siemann, Gilbane	
Maeve Clancy, EPA	X	Katie Christianson, Burleson	
		Roy Evans, HGL	X
Min Wu, Ph.D., DTSC	X	Megan Matteazzi, HGL	
Steve Sterling, DTSC	X	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:**

<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**

Remediation is complete. The carbon was removed on 12 July 2017. The carbon tanks and water tanks in the northwest treatment system (NWTS) have been removed and transported for recycling. The vault and valves in the grasslands that controlled the flow of treated water to the infiltration trenches was removed and the ground was contoured to blend with the surrounding grade. Joe Miller of UCSC inspected the area and was satisfied with the final condition. Approximately 20 of the remaining Operable Unit 1 (OU-1) wells have been grouted and surface casings removed.

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

The status of ongoing and anticipated reports for OU-1 is summarized in Table 1. The Draft Closeout Report – including the Well Destruction report as an Appendix – will be submitted sometime in October. The schedule will be determined after the well demolition effort is complete.

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

The BRAC Office submitted the 2016 Rare Plant Survey Report to the USFWS and CDFW. Data from the baseline rare plant survey at the wells to be destroyed and the third-year survey at the sites monitored after the 2014 well destruction effort are being processed. 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. HGL will present the results of the baseline and third year post destruction survey results in the same report.

## **OU-1 Closeout**

Well destruction work began on 11 July 2017. The NWTS decommissioning started on 12 July and is nearly complete. At the present pace, we anticipate completing all field work by middle of next week. The regulators agreed that a certificate of destruction is not needed for the NWTS tanks being recycled – an email describing the disposition of those items will be satisfactory.

## **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 09 August, 13 September, and 11 October. All meetings are on Wednesdays at 1330 PCT.
- Maeve Clancy will be out from January – April 2018. EPA has not yet identified a temporary replacement.

**OU-1 Action Items:**

- Submit draft and final minutes for previous BCT meeting(s)—Final minutes through June 2017 have been uploaded.

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

<b>Deliverable Title</b>	<b>Submittal</b>	<b>Review Comments Due</b>	<b>Status/Remarks</b>
<i>Primary Deliverables</i>			
Updated Preliminary Draft OU-1 Closeout Report	01 May 2017	22 May 2017	HGL submitted final version to Army.
<i>Secondary Deliverables</i>			
Final Work Plan FONR Well Destruction and NWTs Treatment Plant Decommissioning	24 May 2017	26 June 2017	Submitted 08 July 2017. Draft Final omitted.
<i>Completed Recent Submittals</i>			
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.

<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.