

**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 September 2016**

OU-1 On-Post Activities for 05 August through 08 September 2016

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	X	Noel Shrum, DTSC	
Bonnie McNeill, USACE		Grant Himebaugh, RWQCB	
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 ¹	X	Steve Crane, Kemron	X
Bart Kowalski, Chenega ¹		Erin Caruso, Gilbane	X
Cary Stiebel, Chenega ¹		Larry Friend, Gilbane	
Tom Ghigliotto, Chenega ¹	X	Kevin Siemann, Gilbane	
Maeve Clancy, EPA	X	Nadia Burleson, Burleson	X
Martin Hausladen, EPA	X	Roy Evans, HGL	X
Min Wu, Ph.D., DTSC	X	Kevin Wierengo, HGL	
Steve Sterling, DTSC	X	Gage Dayton, Ph.D., UCSC	
Chris Duffey, USACE	X	Charity Meakes, USACE	X
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. There were only a few comments received on the draft 2016 Annual Groundwater Monitoring Report. These comments were resolved and the report was finalized without going to a draft final version. The final report was sent on 26 August 2016.

OU-1 Closeout

The Army submitted a Technical Memorandum to the regulatory agencies on 25 August in response to the recently published Health Advisory (HA) values for perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) concentrations. As noted in previous meetings, two wells do not meet the revised 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. Comments are requested by 25 September 2016. RWQCB has replied that they concur with the Army's recommendation for closure. EPA and DTSC are still reviewing the document.

RWQCB informed the Army before the Technical Memorandum was submitted that they support proceeding to closure for OU-1 without further monitoring or remediation of OU-1 groundwater.

The Army will abandon/destroy the remaining OU-1 wells in phases beginning with the off-Post Armstrong Ranch wells. The Draft Work Plan describing the Armstrong Ranch effort will be distributed for review this month—the target date is 26 September. If possible (based on receipt of review comments and driller availability), the Army will begin work in October. Army anticipates that the Armstrong Ranch wells and pipeline removal can be completed within approximately 3 weeks. The regulators agreed to try and submit comments ahead of the normal review period to support an October start for the well destruction effort.

OU-1 Rare Plant Monitoring

The draft report for the 2016 OU-1 Rare Plant Survey and Impact Assessment was submitted in August. HGL is responding to comments just received on the 2015 OU-1 Rare Plant Survey and Impact Assessment and expects to submit responses this week.

Five-Year Review

HGL staff are assisting the Army in preparing the 5-Year Review report. The Army indicated that the Draft 5-Year Review is on schedule for submittal in January.

New/Current Action Items:

- The demolition plan for the Armstrong Ranch wells and pipeline has been added to the deliverable schedule.
- The upcoming BCT meetings are scheduled for 12 October and 08 November.

Ongoing:

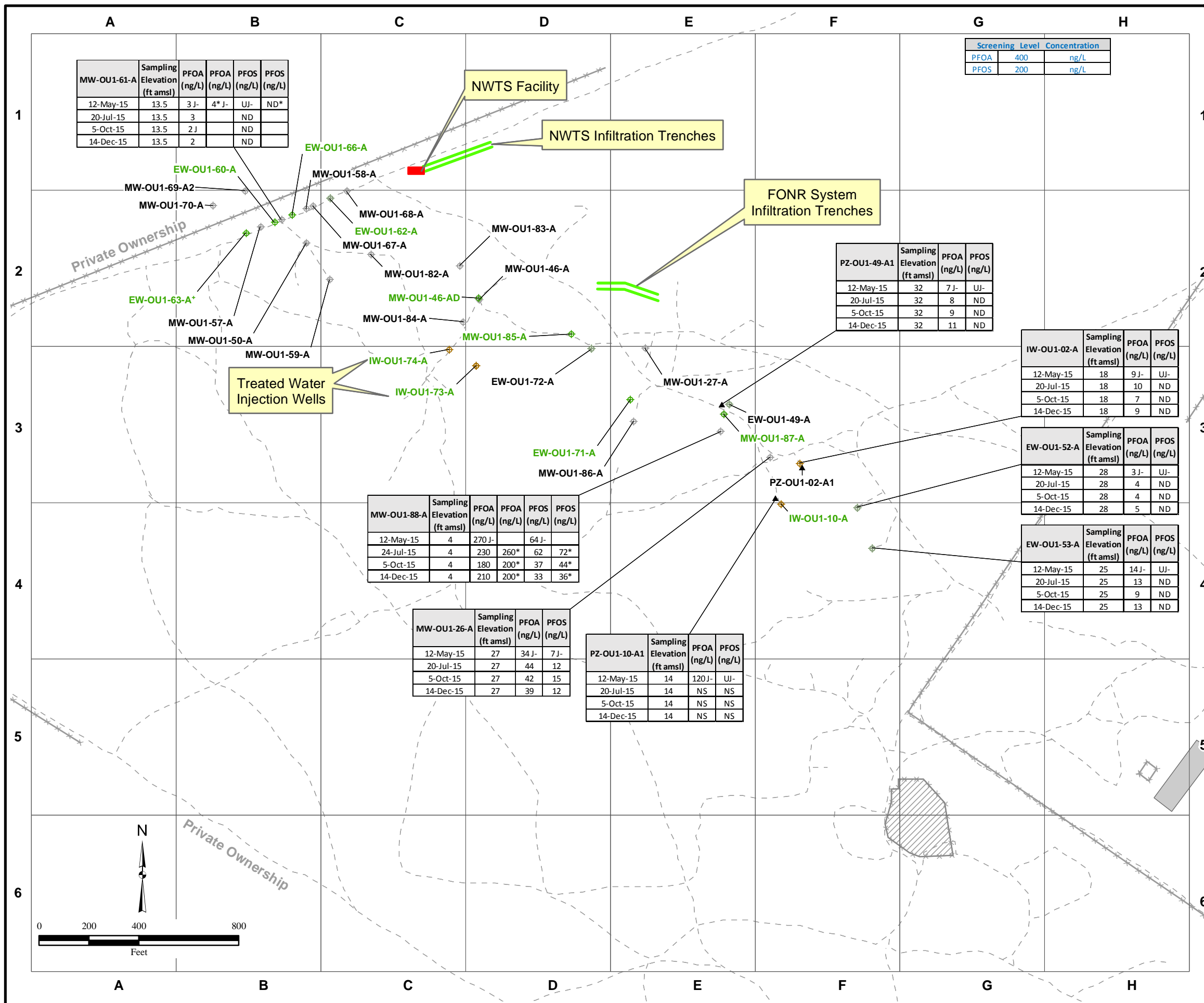
- Submit draft minutes for previous BCT meeting(s)—complete through August 2016.
- Submit final minutes for previous BCT meeting(s)—complete through August 2016.

Table 1
Current OU-1 Deliverable Schedule
Former Fort Ord, Marina, CA –September 2016

Deliverable Title	Submittal	Review Comments Due	Status/Remarks
<i>Primary Deliverables</i>			
Final PFOA/PFOS Sampling Results Technical Memorandum Attainment Monitoring Events 1 - 4	04 March 2016	01 April 2016	Final submitted 16 March 2016
<i>Technical Memorandum</i>			
Attainment Monitoring Evaluation and Summary for EPA Designated Emerging Contaminants	25 August 2016	25 September 2016	In Agency review
<i>Secondary Deliverables</i>			
Final 2016 OU-1 Groundwater Monitoring Report	26 August 2016	None	Comments received, addressed, and Final submitted
<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

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.

Figure 10
Attainment Monitoring Summary
PFOA and PFOS Concentrations
in OU-1 A-Aquifer
Former Fort Ord, CA



Legend

- Monitoring Well
- Extraction Well
- Injection Well
- Piezometer or 2-Inch Well
- MW-OU1-70-A Well Identification
- Trail/Unimproved Road
- Fence
- Treated Water Infiltration Trench
- Former Fire Drill Area
- Structure
- NWTS Facility

Notes:
Well labels in green font indicate extraction or injection well.
Wells not sampled are not part of Attainment Monitoring Network.
*=Duplicate Sample
+Indicates disconnected extraction well. No longer operable.
ft amsl=feet above mean sea level
FNR=Fort Ord Natural Reserve
J=Sample result estimated value potentially biased low
J=Sample result estimated value
ND=Nondetect
NS=Not Sampled
ng/L=nanograms per liter
NWTS=Northwest Treatment System
PFOA=Perfluorooctanoic Acid
PFOS=Perfluorooctane Sulfonate
UJ=Not detected; Sample result biased low

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(10)PFOA_PFOS_Concens_Mon_Summary_Prelim.mxd
1/8/2016 TB
Source: HGL

