

HTW BCT Meeting Agenda

Tuesday, September 23, 2014 at 1:30 p.m.

Fort Ord BRAC Conference Room

Item	Action	Comment
Community Relations	Status Update	
BCT Minutes	Status Update	<ul style="list-style-type: none">- OU1- Basewide
OU1 Groundwater Remediation	Status Update	
OU1 Well and Plant Demolition	Status Update	
OU2 and 2/12 Treatment Systems	Status Update	<ul style="list-style-type: none">- Soil Vapor- Treatment Plant Relocation- OU2 Treated GW Reuse
Other Groundwater Issues	Status Update	
OU2 Landfill	Status Update	<ul style="list-style-type: none">- Operations & Maintenance Closure
Basewide Range Assessment	Status Update	<ul style="list-style-type: none">- Lead Reevaluation- TM for Units 10, 7, and 33
Site 39 Remediation	Status Update	<ul style="list-style-type: none">- Habitat Restoration
FFA Schedule	Status Update	<ul style="list-style-type: none">- Document Schedule
Calendar Update	Update	<ul style="list-style-type: none">- Next meeting: Wednesday, 10/22 @ 1:30 pm

U.S. Army Community Outreach Update

Long Term Actions Underway:

1. Develop report: Analysis of 2013-2014 Community Involvement Program and Analysis of 2013 Community Survey Results. Draft report to be issued December 2014.

Recent Activities:

1. Provided 23AUG Community Involvement Workshop—munitions, prescribed burns, and ESCA (175 participants)
2. Provided 26AUG Technical Review Committee— munitions, prescribed burns, and ESCA (16)
3. Provided 29AUG cleanup Information Booth at the Monterey County Fair (50)
4. Provided 4SEP September Cleanup Bus Tour for Naval Postgraduate School class: IT1500 (25)
5. Provided 18SEP Fort Ord Cleanup Radio Interview and Tour for KAZU National Public Radio

Upcoming Activities:

1. 29SEP U.S. Environmental Protection Agency Technical Services for Community Assistance (TASC) contractor, SKEO, to (1) review Site 2/12 RI/FS Addendum, (2) develop report summary and fact sheet, and (3) hold community comment/review meeting.
2. Mid-OCT Offer munitions safety training to local schools.
3. 25OCT Co-sponsor and participate in National Public Lands Day for the Fort Ord National Monument.
4. 6NOV Participant in 16th Annual Central Coast Invasive Weed Symposium (formerly "War on Weeds") – includes Fort Ord tour
5. 13NOV Provide BLM Area B, MRS-16 presentation to Fort Friends
6. 17NOV Provide Fort Ord cleanup tour for York School Math and Science faculty and staff

STATUS: RESPONSE to COMMUNITY COMMENTS (RTC)

AR Number	Title/Subject	Status
OE-0809A	Comments submitted by community group member, Mike Weaver, Fort Ord Community Advisory Group - on the Draft Final BLM HQ South Buffer, Munitions and Explosives of Concern, Remedial Action, Technical Information Paper, Former Fort Ord, California	In progress
BW-2674.2	Comments submitted by Mike Weaver, Fort Ord Community Advisory Group - on the Draft Technical Memorandum Evaluation of Lead Concentrations at Selected Sites, Former Fort Ord, California	In progress
ESCA-0267.2	Comments submitted by community member, Gail Youngblood, on the Group 2 Proposed Plan, CSUMB Off-Campus MRA, FORA ESCA RP	In Progress/Part of CSUMB Off-Campus Group 2 ROD Responsiveness Summary
ESCA-0267.3	Comments submitted by community group member Mike Weaver, Fort Ord Community Advisory Group, on the Group 2 Proposed Plan, CSUMB Off-Campus MRA, FORA ESCA RP - at the June 19, 2013 public meeting	In Progress/Part of CSUMB Off-Campus Group 2 ROD Responsiveness Summary
OE-0793.4	Comments submitted by community member, Mike Weaver, Fort Ord Community Advisory Group, on the Group 2 Proposed Plan, CSUMB Off-Campus MRA, FORA ESCA RP	In Progress/Part of MRS-34 ROD Responsiveness Summary

W h a t H a p p e n s N e x t : 2 0 1 5

U . S . A r m y F o r t O r d C l e a n u p a l o o k a h e a d

Note: This calendar does not include Superfund Proposed Plan Public Meetings.

J a n u a r y

Small Community Group Meetings and Tours

F e b r u a r y

February 21

Fort Ord Community Involvement Workshop (Bus Tour / Open House).

FOCUS: Groundwater and Site 39 Cleanup, Landfill, and Environmental Services Cooperative Agreement

Location: Building 4522, Joe Lloyd Way, Former Fort Ord

Open House: 10:00 a.m. to 1:00 p.m.

Tour 1 Departs at 10:00 am

Tour 2 Departs at 11:45

February 24

Technical Review Committee, 10:00 a.m. – 12:00 p.m.

Location: Fort Ord Base Realignment and Closure (BRAC) Office, Building 4463, Ord Military Community

Topics:

- Review of Community Comments from Community Involvement Workshop
- Updates Groundwater and Site 39 Cleanup, and Landfill
- Environmental Services Cooperative Agreement

M a r c h

Small Community Group Meetings and Tours

A p r i l

Earth Day Information Booth - California State University Monterey Bay

Earth Day Information Booth - Naval Postgraduate School

Earth Day Information Booth - Presidio of Monterey

April 16-19

Information booth at the Sea Otter Classic

Will share a booth with Bureau of Land Management Fort Ord National Monument

M a y

May – Date To Be Determined (based on rainfall, height of wildflower season)

Fort Ord Community Involvement Workshop (Guided Nature Walk Inside the Impact Area)

Topics:

- Munitions clearance
- Prescribed burns
- Munitions Site Security
- Habitat Management

J u n e

Issue Fort Ord Annual Report

Begin Registration for Prescribed Burn Direct Notification Program

J u l y

Continued Prescribed Burn Outreach/Registration for Direct Notification Program

July 18

Fort Ord Community Involvement Workshop (Bus Tour / Open House).

FOCUS: Munitions Clearance, Munitions Site Security, Prescribed Burns, Habitat Management, and Environmental Services Cooperative Agreement

Location: Building 4522, Joe Lloyd Way, Former Fort Ord

Open House: 10:00 a.m. to 1:00 p.m.

Tour 1 Departs at 10:00 am

Tour 2 Departs at 11:45

July 21

Technical Review Committee, 10:00 a.m. – 12:00 p.m.

Location: BRAC Office, Building 4463, Ord Military Community

Topics:

- Review of Community Comments from Community Involvement Workshop
- Munitions clearance, Prescribed Burns, Munitions Site Security and Habitat Management
- Environmental Services Cooperative Agreement

A u g u s t

Continued Prescribed Burn Outreach/Registration for Direct Notification Program

S e p t e m b e r

Continued Prescribed Burn Outreach/Registration for Direct Notification Program

September 4

Information Booth at the Monterey County Fair

September Date to be confirmed

California State University Monterey Bay (CSUMB) Welcome Fair Information Booth/Otter Days, 12:00 p.m. – 2:00 p.m.

Location: CSUMB Main Quad

O c t o b e r

Continued Prescribed Burn Outreach/Registration for Direct Notification Program

October Date to be confirmed

Bureau of Land Management Public Lands Day

Location: Various Backcountry Locations at Fort Ord

Join other volunteers to help with Fort Ord projects including: habitat restoration, trash pick-up, and trail maintenance.

N o v e m b e r

Continued Prescribed Burn Outreach/Registration for Direct Notification Program

Small Community Group Meetings and Tours

D e c e m b e r

No meetings/events scheduled

**Fort Ord Operable Unit 1 Update
Groundwater Remediation, Well Destruction, and Treatment Plant Decommissioning
Marina, California
Base Closure Team Meeting
1:30 p.m., 23 September 2014
Prepared by HydroGeoLogic, Inc.**

Attendees: (to be revised after meeting)

Individual	Attended?	Individual	Attended?
James Specht, USACE		Grant Himebaugh, RWQCB	
Teresa Rodgers, USACE		Edward Ticken, AMEC	
Alex Kan, USACE		Jeff Fenton, AMEC	
Bonnie McNeil, USACE		Derek Lieberman, Ahtna	
Cory Koger, USACE		Brad Clark, Ahtna	
William Collins, BRAC		Holly Dillon, Ahtna	
Tom Ghigliotto, Chenega ¹		Kevin Ghalambor, Burleson	
Melissa Broadston, Chenega ¹		Peter Kelsall, CB&I	
Bart Kowalski, Chenega ¹		Steve Crane, Gilbane	
Cary Stiebel, Chenega ¹		Erin Caruso, Gilbane	
Lewis Mitani, EPA		Lindsay Alexander, Gilbane	
Martin Hausladen, EPA		Larry Friend, Gilbane	
Kimberly Gettman, DTSC		Roy Evans, HGL	
Franklin Mark, DTSC		Kevin Wierengo, HGL	
Min Wu, Ph.D., DTSC		Sean McStay, UCSC	
Edward Walker, DTSC		Mike Wade	
X = attended in person or by telephone; blank indicates absent from the meeting			

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

HGL reported the Northwest Treatment System (NWTS) operated continuously from 4 August 2014 through 18 September 2014. Extraction wells EW-OU1-60-A and EW-OU1-66-A are operating and total pumping from those wells is approximately 12.1 gallons per minute. EW-OU1-71-A, MW-OU1-87-A, and IW-OU1-10-A were temporarily restarted on 1 September 2014 to collect performance monitoring samples on 2 September 2014. Once samples were collected, EW-OU1-71-A, MW-OU1-87-A, and IW-OU1-10-A were shutdown.

Since system startup in 2006, the NWTS has pumped approximately 212 million gallons of groundwater and removed approximately 6.0 pounds of total volatile organic compounds,

primarily trichloroethene (TCE). An estimated 0.2 pound of TCE has been removed since the NWTS 18 September 2013 sampling event.

OU-1 Groundwater Quality Data

In accordance with the Uniform Federal Policy (UFP)-Quality Assurance Project Plan (QAPP), HGL collected the following samples from monitoring wells and the NWTS on 2 September 2014:

EW-OU1-60-A	MW-OU1-58-A	PZ-OU1-49-A1	EW-OU1-53-A
EW-OU1-66-A	MW-OU1-57-A	MW-OU1-88-A	NWTS-Influent
EW-OU1-71-A	MW-OU1-61-A	MW-OU1-26-A	NWTS Midpoint
MW-OU1-87-A	EW-OU1-72-A	PZ-OU1-10-A1	NWTS Effluent
IW-OU1-10-A	MW-OU1-86-A	EW-OU1-52-A	

We received laboratory analytical results for the September samples and submitted them for validation. The unvalidated results showed that TCE concentrations did not exceed the Aquifer Cleanup Level (ACL) of 5.0 $\mu\text{g/L}$ in any of the samples collected. The highest TCE concentration, 4.7 $\mu\text{g/L}$, was detected in the samples collected from MW-OU1-61-A and MW-OU1-88-A. It should be noted that this sampling event marks the first time all TCE concentrations in the OU-1 groundwater monitoring network were below the ACL. Tables 1A and 1B show the TCE and cis-1,2-dichloroethene concentrations, respectively, found in the extraction wells and treatment system. All unvalidated TCE results from the September 2014 sampling event are presented on Table 2. A Figure showing the September 2014 TCE concentrations is included for reference in Attachment 1. The next planned sampling event is in December 2014.

Reporting/Federal Facility Agreement Schedule

All scheduled submittals have been made for primary and secondary deliverables. The status of submitted and anticipated reports for 2014 is summarized in Table 3. The Draft Well Destruction and Treatment Plant Demolition Completion Report was submitted on 11 August 2014 for regulatory agency and public review. The regulatory agencies indicated that the draft was accepted as written and there were no public comments by the response deadline. Therefore the Draft is accepted as Final. Replacement pages will be distributed to indicate this change and to include copies of approved well destruction permits that were omitted from the Appendix.

OU-1 Weed Control and Rare Plant Monitoring

The U.S. Fish and Wildlife Service required that the third year of rare plant monitoring be completed at the former well destruction sites and this survey was completed between 25 April 2014 and 02 May 2014. Additional monitoring was performed in May and June during the well destruction effort at well sites destroyed within the Fort Ord Natural Reserve. The Draft 2014 FONR Impact Assessment and Habitat and Rare Plant Species Survey Results Report was submitted for Army review on 11 September 2014.

Site Exit/Closure Strategy

Based on preliminary data from the September sampling event, TCE concentrations have met the aquifer cleanup level at all OU-1 monitoring wells. The exit/closure strategy is based on demonstrating that the cleanup objectives of the Record of Decision (ROD) regarding human health protectiveness have been met and, therefore, the ROD cleanup goals have been attained. A technical memorandum will be prepared to present the case for OU-1 closure based on cleanup progress to date. The human health risk corresponding to Chemical of Concern concentrations observed at the site have met the human health protectiveness objectives for several years. The technical memorandum will include recommendations for performing attainment monitoring that incorporate existing data to the maximum extent. The memorandum will be presented to the regulators for review and comment.

Well Destruction and Treatment Plant Demolition

As of 17 July 2014, all wells for which right of entry (ROE) was obtained have been destroyed (81 wells in total) and the two inactive OU-1 groundwater treatment plants have been demolished. As discussed at previous meetings, the ROE for the Armstrong Ranch property has not yet been obtained—consequently the timetable for destroying these 14 wells and removing approximately 1,500 feet of associated pipeline remains uncertain. Figure 1.2 in Attachment 1 shows the locations of the destroyed wells within OU-1. The Draft Well Destruction and Treatment Plant Demolition Completion Report was submitted on 11 August 2014 for regulatory agency and public review. No comments were received, therefore, the Draft is accepted as Final.

Action Items:

- The Army will obtain ROE agreements for Armstrong Ranch
- HGL will prepare a technical memorandum (TM) to present the case for OU-1 closure in accordance with the strategy described above. The deliverables schedule has been updated to include this TM.

Ongoing:

- Submit draft minutes for previous BCT meeting(s)—complete through August 2014.
- Submit approved final minutes for previous BCT meeting(s) — complete through August 2014.

**Fort Ord HTW BCT Meeting
23 September 2014**

**Fort Ord Operable Unit 1
Groundwater Remediation, Well Destruction, and Treatment Plant Decommissioning**

ATTACHMENT 1

Table 1A

TCE in OU-1 FONR Groundwater Remediation System – Performance Monitoring

BCT Meeting for Former Fort Ord – 23 September 2014

Began: Date	FONR Extraction Well (listed from south to north)					Boundary Extraction Well (from west to east)				NWTS								
	Nov-10 IW-10	Oct-07 MW-87 EW-71 MW-85 MW-46AD				Jul-06 EW-63 EW-60 EW-66 EW-62				INFLUENT	MIDPOINT	EFFLUENT						
TCE (µg/L)																		
11/9/07	Used as monitoring well until pump installed in October 2010. Pumping began 03 November 2010.	16	13	19	14	ND	ND	1.7	ND	11	ND	ND						
1/18/08		11	11	8.9	8.2	ND	ND	1.2	ND	6.0	ND	ND						
3/18/08		11	14	6.7	5.8	ND	0.29	1.5	ND	5.6	ND	ND						
5/27/08		9.7	18	2.5	6.1	ND	ND	1.8	ND	3.9	ND	ND						
7/21/08		9.1	14	4.4	3.4	ND	0.78	1.4	ND	3.6	ND	ND						
9/29/08		9.3	J	15	J	4.3	J	2.9	J	ND	0.90	J	1.7	J	ND			
12/1/08		5.8	11	2.6	1.6	ND	0.82	0.91	ND	2.7	0.35	J	ND					
1/26/09		5.9	10	2.2	1.2	ND	0.48	J	0.78	ND	2.4	ND	ND					
3/9/09		5.8	9.9	2.1	1.2	ND	0.95	0.86	ND	2.7	ND	ND						
6/11/09		6.9	11	2.4	1.5	ND	0.88	1.7	ND	2.6	0.14	J	ND					
9/15/09		6.8	9.4	1.7	0.78	ND	inactive	1.1	0.036	J	2.3	0.35	J	ND				
12/14/09		6.9	7.5	0.84	not sampled	not sampled	inactive	0.94	not sampled	2.3	0.65	J	ND					
3/22/10		7.2	8.5	0.62	0.55	inactive	ND	0.90	inactive	2.3	ND	ND						
6/21/10		7.4	6.5	0.90	0.40	J	inactive	0.86	inactive	2.1	ND	ND						
9/20/10		7.7	6.6	0.83	0.35	J	discontinued	0.63	0.49	J	inactive	2.3	not sampled	ND				
12/16/10		5.2	6.9	5.2	0.58	0.28	J	discontinued	0.72	0.42	J	inactive	2.6	0.18	J	ND		
3/7/11		5.1	6.0	4.6	0.55	0.60	discontinued	0.87	0.42	J	inactive	2.5	0.59	ND				
6/7/11		4.2	6.1	4.0	0.78	0.63	discontinued	0.76	0.36	J	inactive	2.6	1.0	ND				
9/20/11		4.5	6.2	4.2	1.10	0.38	J	discontinued	0.57	0.36	J	inactive	2.5	1.7	ND			
12/7/11	3.8	5.1	3.7	not sampled		discontinued	inactive	0.27	J	inactive	1.8	2.1	0.13	J				
3/15/12	3.7	5.5	3.8	0.70	0.23	J	discontinued	inactive	0.38	J	inactive	0.81	0.32	J	ND			
9/25/12	--	5.3	4.4	--	--	discontinued	inactive	0.19	J	inactive	1.8	0.72	J	ND				
1/8/13	--	5.4	--	--	--	discontinued	ND	0.19	J	inactive	1.5	--	ND					
3/27/13	--	4.8	--	--	--	discontinued	ND	0.23	J	inactive	1.5	--	ND					
6/26/13	--	4.4	--	--	--	discontinued	--	--	inactive	1.7	--	ND						
9/18/13	--	4.7	1.9	--	--	discontinued	0.17	J	0.31	J	inactive	2.0	--	ND				
12/17/13	2.8	4.2	--	--	--	discontinued	--	--	inactive	2.1	--	--						
3/27/14	--	3.4	A	0.89	A	--	--	discontinued	0.22	J/A	0.29	J/A	inactive	1.7	0.92	J/A	ND	A
6/27/14	--	3.7	--	--	--	discontinued	--	--	inactive	0.28	0.39	J	ND					
9/2/14	2.2	4.2	0.88	--	--	discontinued	0.25	J	0.26	J	inactive	1.0	0.41	J	ND			
Notes:	Italics (if used) indicate data not yet validated					Bold font indicates concentration > ACL												
ACL - aquifer cleanup level	-- - Not sampled					µg/L - micrograms per liter				J - Data qualified as estimated								
ND - nondetect	TCE - trichloroethene					NWTS - Northwest Treatment System				FONR - Fort Ord Natural Reserve								
Blue font indicates the concentration is calculated using the weighted average of the active pumping wells.																		

Table 1B
cis-1,2-DCE in OU-1 FONR Groundwater Remediation System – Performance Monitoring
BCT Meeting for Former Fort Ord – 23 September 2014

Began:	FONR Extraction Well (listed from south to north)					Boundary Extraction Well (from west to east)				NWTS								
	Nov-10	Oct-07				Jul-06				INFLUENT	MIDPOINT	EFFLUENT						
Date	IW-10	MW-87	EW-71	MW-85	MW-46AD	EW-63	EW-60	EW-66	EW-62									
cis-1,2-DCE (µg/L)																		
11/09/07	Used as monitoring well until pump installed in October 2010. Pumping began 03 November 2010.	1.9	1.6	2.3	1.70	ND	ND	ND	ND	1.3	ND	ND						
01/18/08		1.20	1.40	1.00	1.20	ND	ND	0.11	ND	0.66	ND	ND						
03/18/08		1.20	1.50	0.74	0.63	ND	ND	ND	ND	0.59	0.11	ND						
05/27/08		0.88	2.10	0.26	0.74	ND	ND	ND	ND	0.36	0.21	ND						
07/21/08		0.80	1.50	0.52	0.37	ND	ND	ND	ND	0.41	0.34	ND						
09/29/08		0.99	1.60	0.54	0.30	ND	ND	0.13	ND	0.42	0.42	0.12						
12/01/08		0.67	1.30	0.33	0.21	J	ND	ND	ND	ND	0.27	J	0.37	J	0.19	J		
01/26/09		0.63	1.20	0.29	J	0.12	J	ND	ND	ND	ND	0.26	J	0.24	J	ND		
03/09/09		0.62	1.20	0.29	J	0.13	J	ND	ND	ND	ND	0.23	J	0.26	J	ND		
06/11/09		0.71	1.10	0.30	J	0.13	J	ND	ND	0.14	J	ND	0.24	J	0.28	J	ND	
09/15/09		0.80	1.00	0.22	J	0.08	J	ND	inactive	0.03	J	ND	0.22	J	0.37	J	0.03	J
12/14/09		0.67	0.65	0.10	J	not sampled	not sampled	inactive	ND	J	not sampled	0.21	J	0.30	J	0.11	J	
03/22/10		0.67	0.79	ND	ND	inactive	ND	ND	inactive	0.20	J	0.11	J	0.13	J	0.13	J	
06/21/10		0.67	0.53	0.14	J	ND	inactive	ND	ND	inactive	0.20	J	0.23	J	ND	ND		
9/20/10		0.66	0.46	J	ND	ND	discontinued	ND	ND	inactive	0.23	J	not sampled	ND	ND			
12/16/10		0.55	0.66	0.35	J	ND	J	ND	discontinued	ND	ND	inactive	0.27	J	0.28	J	ND	
3/7/11	0.37	J	0.52	0.28	J	0.11	J	ND	discontinued	ND	ND	inactive	0.23	J	0.30	J	ND	
6/7/11	0.35	J	0.55	0.29	J	ND	ND	discontinued	ND	ND	inactive	0.18	J	0.31	J	0.15	J	
9/20/11	0.25	J	0.46	J	0.21	J	ND	ND	discontinued	ND	ND	inactive	0.17	J	0.19	J	0.30	J
12/7/11	0.27	J	0.48	J	0.19	J	not sampled	discontinued	inactive	ND	inactive	0.16	J	0.17	J	0.23	J	
3/15/12	0.15	J	0.40	J	0.22	J	0.15	J	ND	discontinued	inactive	ND	inactive	ND	0.24	J	ND	
9/25/12	--	0.39	J	0.23	J	--	--	discontinued	inactive	ND	inactive	ND	0.24	J	ND	ND		
1/8/13	--	0.35	J	--	--	--	--	discontinued	ND	ND	inactive	0.12	--	--	--	--		
3/27/13	--	0.34	J	--	--	--	--	discontinued	ND	ND	inactive	0.12	--	--	--	--		
6/26/13	--	0.31	J	--	--	--	--	discontinued	--	--	inactive	0.27	--	--	--	--		
9/18/13	--	ND	ND	--	--	--	--	discontinued	ND	ND	inactive	ND	--	--	ND	ND		
12/17/13	ND	0.19	J	--	--	--	--	discontinued	--	--	inactive	0.23	--	--	--	--		
3/27/14	--	0.16	J/A	--	--	--	--	discontinued	ND	A	ND	A	inactive	0.21	ND	A	ND	A
6/27/14	--	ND	--	--	--	--	--	discontinued	--	--	inactive	ND	0.43	J	0.17	J		
9/2/14	ND	0.21	J	ND	--	--	--	discontinued	ND	ND	inactive	ND	0.48	J	ND	ND		
Notes:	Italics (if used) indicate data not yet validated					Bold font indicates concentration > ACL												
ACL - aquifer cleanup level	-- - Not sampled					µg/L - micrograms per liter				J - Data qualified as estimated								
ND - nondetect	TCE - trichloroethene					NWTS - Northwest Treatment System				FONR - Fort Ord Natural Reserve								
NA - Not Available	Blue font indicates the concentration is calculated using the weighted average of the active pumping wells.																	

Table 2
Unvalidated OU-1 Sampling Results for September 2014

Sample Point	Location	TCE	
		$\mu\text{g/L}$	Qualifier
Treatment plant			
NWTS-Influent	Treatment Plant	1.0	
NWTS-Midpoint	Treatment Plant	0.41	J
NWTS-Effluent	Treatment Plant	ND	
Extraction wells			
EW-OU1-60-A*	NW Boundary	0.25	J
EW-OU1-66-A*	NW Boundary	0.26	J
EW-OU1-71-A*	Central FONR	0.88	
MW-OU1-87-A*	Central FONR	4.2	
IW-OU1-10-A*	Central FONR	2.2	
Monitoring wells			
MW-OU1-58-A	NW Boundary	ND	
MW-OU1-57-A	NW Boundary	ND	
MW-OU1-61-A	NW Boundary	4.7	
MW-OU1-61-A	Duplicate	4.0	
EW-OU1-72-A	Central FONR	0.78	
MW-OU1-86-A	Central FONR	0.42	J
PZ-OU1-49-A1	Central FONR	1.2	
MW-OU1-88-A	Central FONR	4.7	
MW-OU1-26-A	Central FONR	2.7	
PZ-OU1-10-A1	Central FONR	2.4	
EW-OU1-52-A	Central FONR	2.9	
EW-OU1-53-A	Central FONR	1.9	

* Operating extraction well - samples collected from port on discharge pipe.

$\mu\text{g/L}$ = micrograms per liter

FONR = Fort Ord Natural Reserve

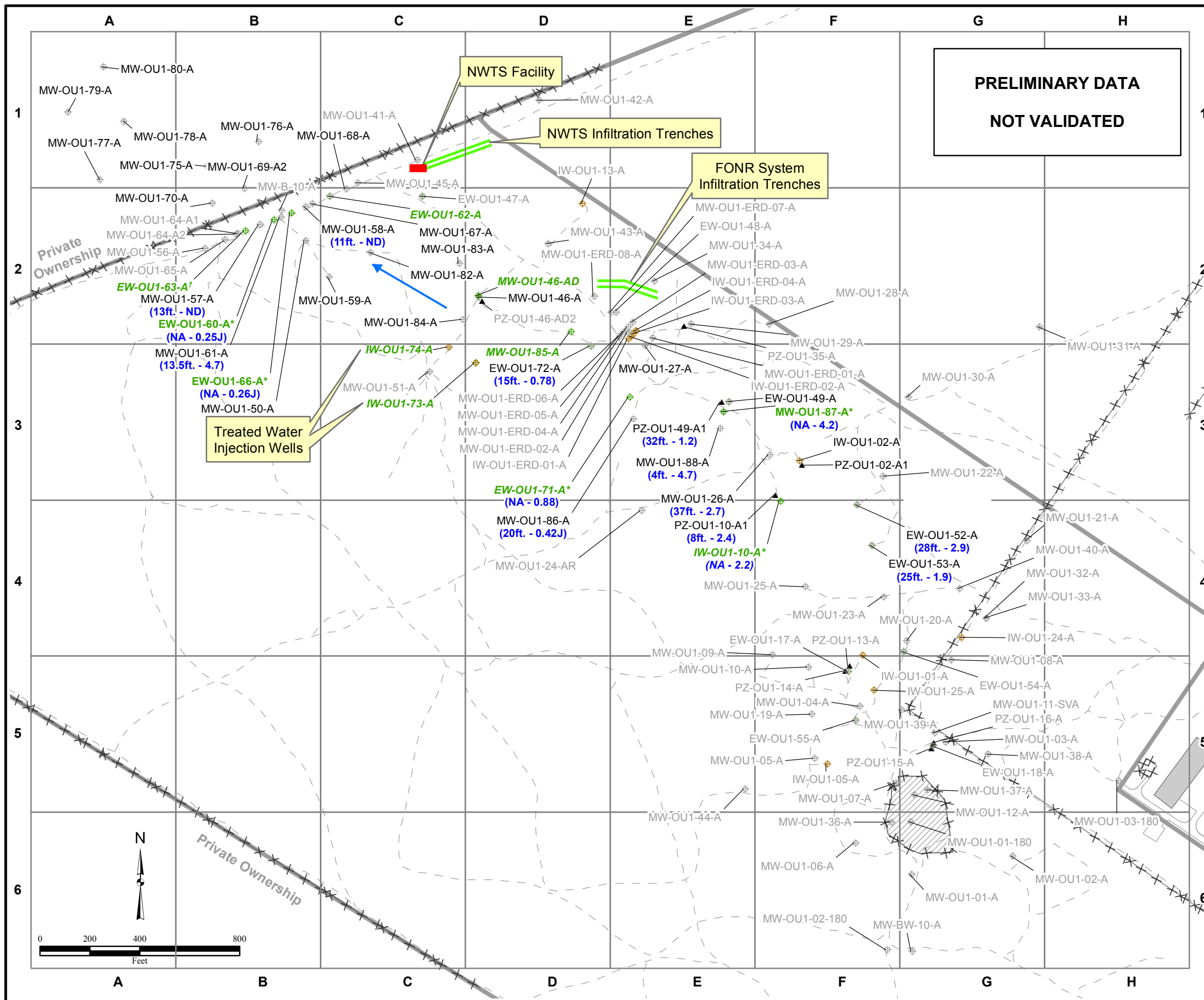
ND = nondetect

TCE = trichloroethene

Table 3
Current Deliverable Schedule
Former Fort Ord, Marina, California – 23 September 2014

Deliverable Title	Submittal	Review Comments Due	Status/Remarks
<i>Primary Deliverables</i>			
Final UFP-QAPP	May 2014	Received	Submitted 29 May 2014
UFP-QAPP 2014 Update	TBD		
<i>Secondary Deliverables</i>			
Final 2014 Semiannual Groundwater Monitoring Report	June 2014	August 2014	Submitted 25 June 2014
Draft 2014 Annual Groundwater Monitoring Report	November 2014	December 2014	In progress.
Draft Exit / Closure Strategy Technical Memorandum	October 2014	December 2014	In progress
Draft Well Destruction and Treatment Plant Demolition Completion Report	August 2014	September 2014	Draft accepted as Final.
Draft Health & Safety Plan – OU-1 O&M/LTM	May 2014	Received	Draft accepted as Final.
<i>Completed Recent Submittals</i>			
Final Memorandum for Record for Optimizing Remediation Pumping	March 2012	February 2012	Accepted as final during July 2012 BCT meeting.
Final 2012 Annual and 3 rd Quarter Groundwater Monitoring Report	March 2013	NA	Submitted 21 March 2013.
2013 First Quarter Groundwater Monitoring Report	June 2013	August 2013	Submitted 1 July 2013.
Preliminary Draft Work Plan for Well Destruction and Treatment Plant Demolition	5 November 2013	19 November 2013	Army comments addressed.
Preliminary Draft Health & Safety Plan – Well Destruction and Treatment Plant Demolition	5 November 2013	19 November 2013	Army comments addressed.
Preliminary Draft Health & Safety Plan – OU-1 O&M / LTM	5 November 2013	19 November 2013	Army comments addressed
Draft 2013 Annual and 3 rd Quarter Groundwater Monitoring Report	January 2014	March 2014	Submitted 17 January 2014.
Preliminary Draft UFP-QAPP	26 November 2013	10 December 2013	Army comments addressed.
Draft UFP-QAPP	March 2014	May 2014	Submitted 04 March 2014
Final 2013 Annual and 3 rd Quarter Groundwater Monitoring Report	April 2014	NA	Submitted 04 April 2014
Final Work Plan for Well Destruction and Treatment Plant Demolition	April 2014	NA	Submitted 04 April 2014

**OU-1 FONR A-Aquifer
TCE Concentration in Groundwater
September 2014
Former Fort Ord, CA**



Legend

- ⊕ Well
- ⊕ Extraction Well
- ⊕ Injection Well
- ▲ Piezometer or 2-Inch Well
- Groundwater Flow Direction
- ⊕ MW-OU1-21-A Well Destroyed
- MW-OU1-61-A Location with September 2014 TCE Concentrations at or above ACL (5 µg/L)
- (13.5ft. - 13) September 2014 TCE Result (µg/L)
- Sample Elevation (feet above mean sea level)
- TCE contour based on September 2014 Data
- - - Trail/Unimproved Road
- × Fence
- Treated Water Infiltration Trench
- Property Boundary
- ▭ Building
- ▨ Former Fire Drill Area

Notes:
 Units of TCE concentration are in micrograms per liter.
 FONR = Fort Ord Natural Reserve
 NWTS = Northwest Treatment System
 ACL = Aquifer Cleanup Level
 ND = nondetect
 NA = Depth is not applicable - sample is from pumping well
 µg/L = micrograms per liter
 Wells shown with an asterisk were not used to develop contour boundaries.
 Wells for which no data are posted were not sampled.
 J = Estimated value
 Green font indicates extraction or injection well.
 Italicized font shows pumping suspended.
 † = Disconnected extraction well. No longer operable.

\\Gst-srv-01\hglgis\Ft_Ord\Miscellaneous_Figures\
 (x)TCE_2014-09.mxd
 9/19/2014 PD
 Source: HGL





**Other Groundwater Issues
Fort Ord HTW BCT Meeting
September 23, 2014**

Third Quarter (Q3) Groundwater Sampling

- The Third Quarter of groundwater sampling (annual sampling event) was conducted last week.
- Approximately 230 groundwater samples were collected by the Ahtna/AMEC teams.
- Following validation of the third quarter data a list of the wells meeting the QAPP criteria for sample frequency reduction will be generated and submitted to the agencies for review.



BRA and Lead Evaluation Status
Fort Ord HTW BCT
23 September 2014

Basewide Range Assessment

- Draft TM recommending no further sampling for Unit 6 was released on July 22, 2014. DTSC comments received and draft responses in progress.
- A preliminary draft BRA sampling plan for Units 10, 7, and 33 was submitted on September 9, 2014.
- Performed BRA site reconnaissance in Unit 1 and the two WGBA unburned tracts.

Lead Evaluation Technical Memorandum

- The Army met with DTSC and EPA toxicologists. ITSI Gilbane prepared background information for HA 18 and HA 23 and USACE prepared hazard indexes in response to comments received. Response to comments sent to EPA and DTSC on 21 July 2014.
- Awaiting guidance from US Army ELD and discussions with DTSC toxicologist.



**OU2 Landfills and TTU
Operation and Maintenance
Status Update
September 23, 2014**



Landfill Maintenance

- Monterey County inspection 8/19/14 – no issues.
- Routine landfill maintenance ongoing – minor erosion repairs, brush and weed removal, mowing.

TTU Operations/Landfill Gas Monitoring

- Operating every other week since 2/6/12 (approx. 90 hrs in each 2 week cycle).
- Methane concentration at TTU approx. 38.5% , rising for past 3 months.
- No operational problems.
- TTU source testing completed 6/5/14 by Best Environmental
- Annual VOCs monitoring completed 6/5/14
- Next quarterly perimeter probe monitoring scheduled week of 9/22/14
- Replacement ring for top of TTU stack has been procured. Installation to be scheduled pending procurement of a welder.

OU2 Landfill Closure

- Draft Final Construction QC/QA Report, Area E, Phase I, OU2 Landfills issued 7/31/14
DTSC concurrence with responses to comments received 9/11/14. Report can be issued final.

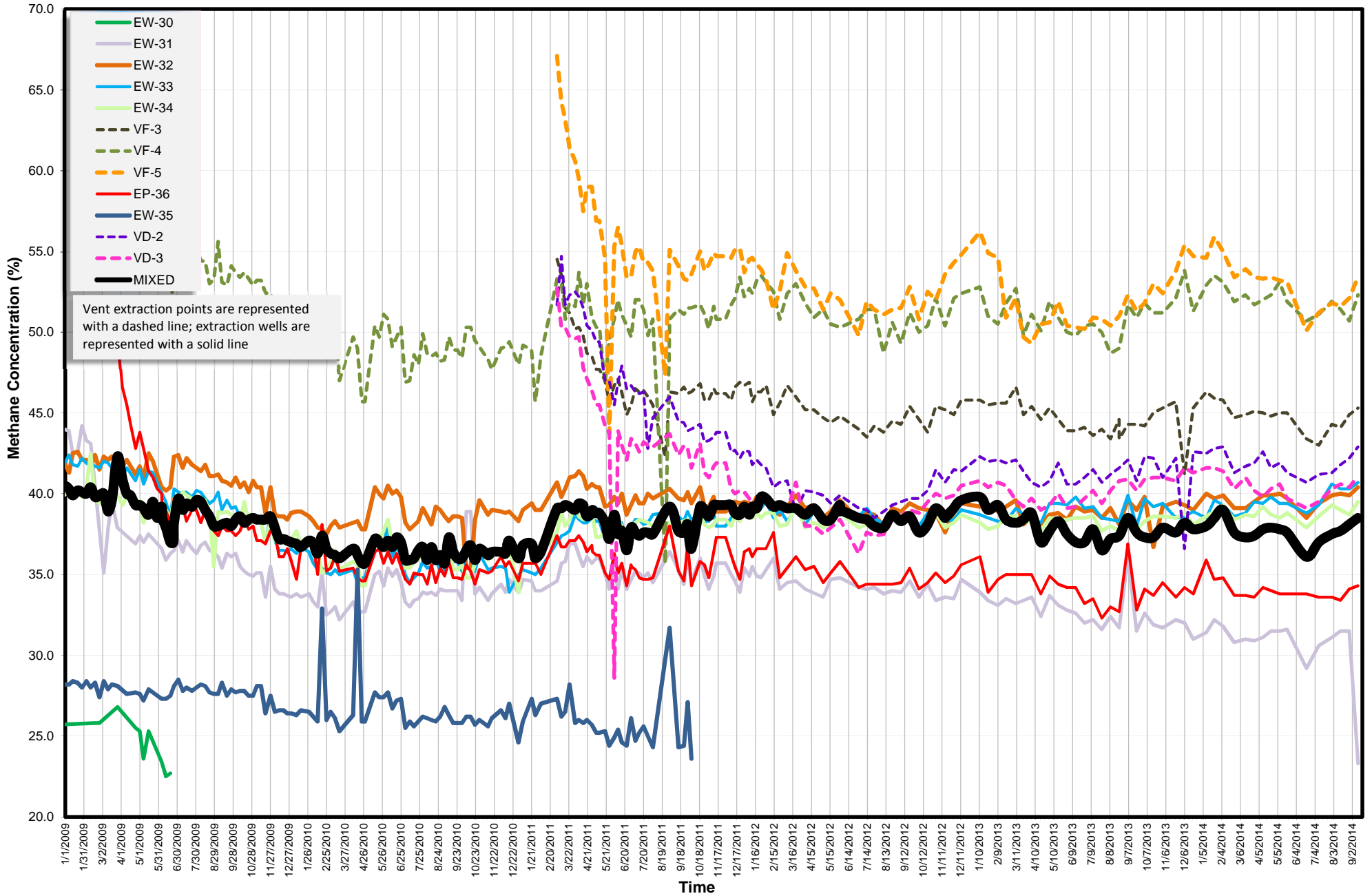
**Thermal Treatment Unit
Operation Summary
2006 - 2014**

TREATMENT SYSTEM OPERATION SUMMARY	
Treatment System Start Date:	6/4/2001
TTU Start Date:	4/4/2006
Last Reading Date/Time:	9/11/2014 16:04
Historical through 2013 (TTU only):	
Total TTU Hours:	67,872
Total TTU Hours Operated:	23,903
% TTU Operation:	35.2%
Total Pounds of Methane Removed:	2,638,229
Current Year 2014:	
Total Hours:	6,072
Total Hours Operated:	1480
% TTU Operation:	24%
Total Pounds of Methane Removed:	131,525
Cumulative (since TTU startup in 2006):	
% TTU Operation:	34.3%
Total Pounds of Methane Removed:	2,769,754

	Total Pounds Removed	Pounds/week		Total Pounds COCs Removed
Pounds of Methane Removed (2007)	532,181	10,206	2007	6.2
Pounds of Methane Removed (2008)	288,433	5,532	2008	3.1
Pounds of Methane Removed (2009)	448,148	8,595	2009	3.4
Pounds of Methane Removed (2010)	212,684	4,079	2010	1.4
Pounds of Methane Removed (2011)	228,085	4,374	2011	1.4
Pounds of Methane Removed (2012)	229,400	4,399	2012	1.2
Pounds of Methane Removed (2013)	187,782	3,601	2013	1.1
Pounds of Methane Removed (2014)	131,525	3,639	2014	0.7

EXTRACTION SYSTEM (2014)						
Location	Last Instantaneous Methane Reading (%)	Last Instantaneous Flow Rate Reading (scfm)	Current Methane Removal Rate (lbs/day)	2014 % Operation	2014 Methane Removed (Lbs)	% Contribution of Each Extraction Source
Area E						
EP-36	34.3	25.0	506	24	30900	22%
Area F						
EW-31	23.3	2.0	27	24	16770	12%
EW-32	40.4	15.0	357	26	22250	16%
EW-33	40.7	13.0	312	24	17300	12%
EW-34	39.5	22.0	513	24	31312	22%
VF-3	45.3	3.0	80	24	6021	4%
VF-4	52.3	2.0	62	24	5137	4%
VF-5	53.4	1.0	31	24	5645	4%
Area D						
EW-35	32.6	0.0	0	0	0	0%
VD-2	42.9	1.0	25	24	2119	2%
VD-3	41.1	1.0	24	24	1936	1%
MIXED						
MIXED	38.5	96.0	2180	24	131525	100%

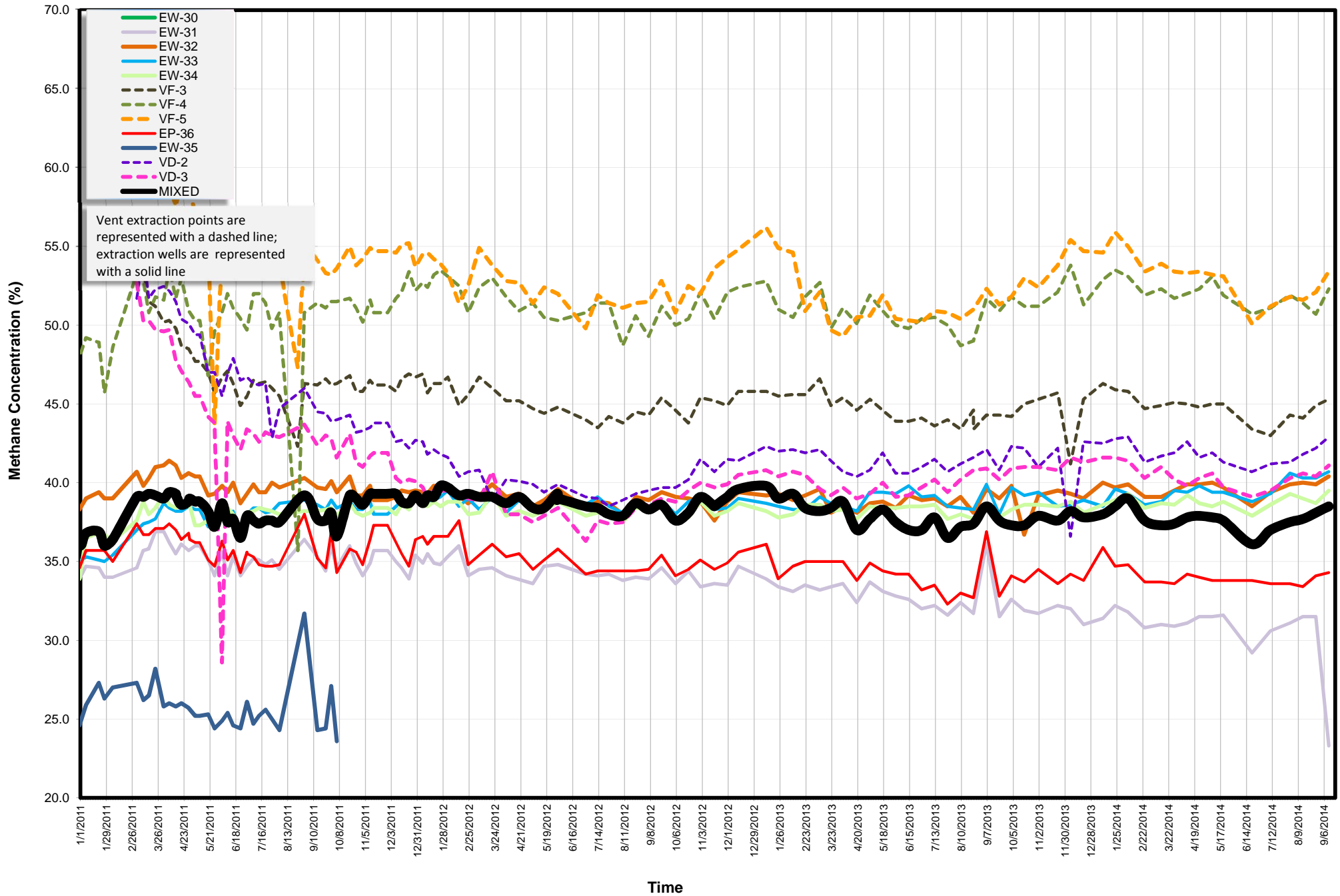
Methane Concentration vs. Time
OU2 Landfill Extraction Sources
1/1/2009 to present



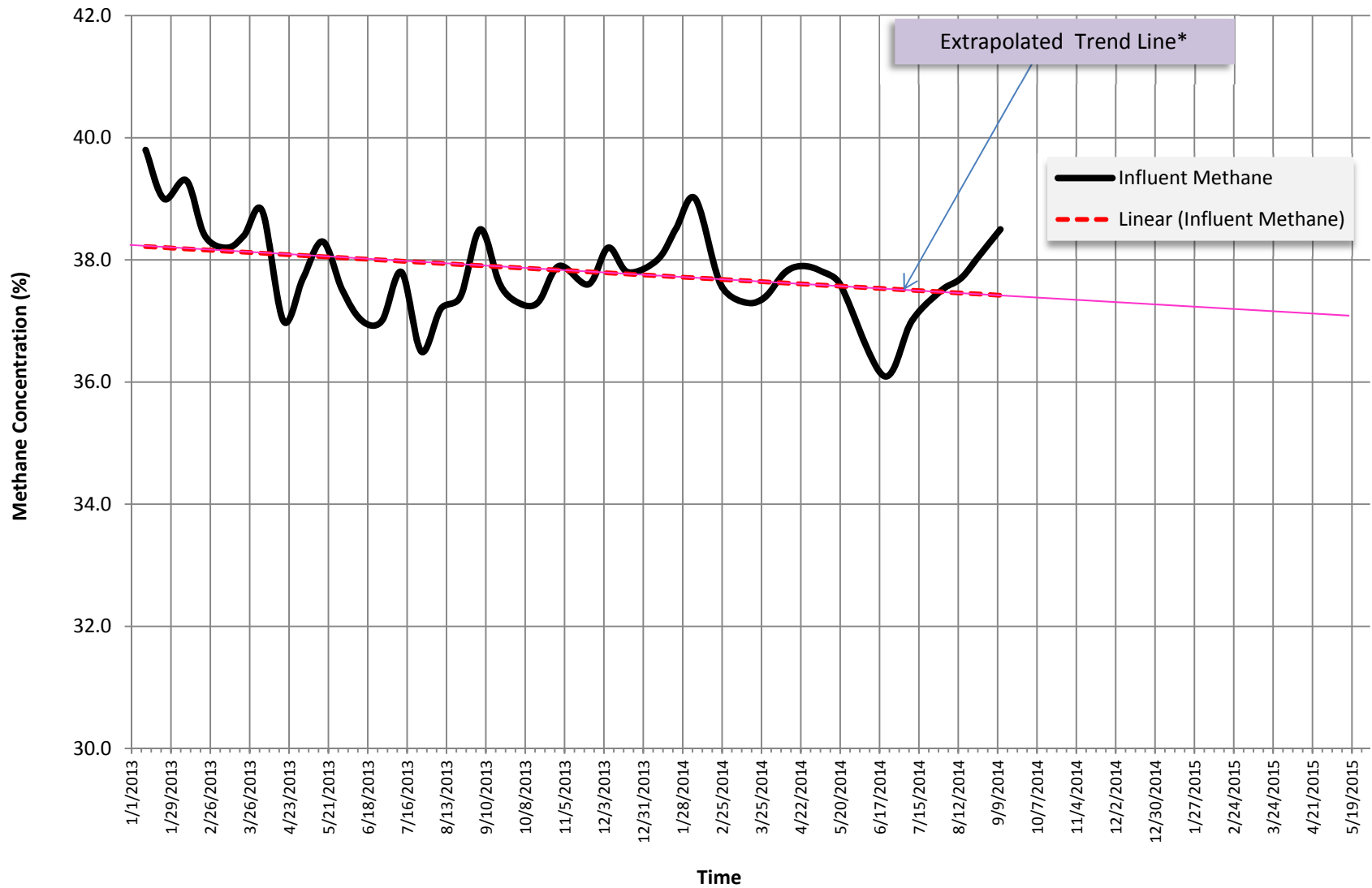
Methane Concentration vs. Time

OU2 Landfill Extraction Sources

1/1/2011 to present



Methane Concentration vs. Time
OU2 Landfill Extraction Sources
01/01/2013 to present



* Trend line generated from all data 1/1/13 to present



Former Fort Ord Groundwater Treatment Systems Operational Data and Status BCT Meeting, September 23, 2014

Table 1: OU2 and Sites 2/12 GWTP Treatment Statistics as of August 31, 2014

Monthly Statistics	Volume Treated (gallons)	Average Flow (gallons per minute)	Percent of Time Online	COC Mass Removed (pounds)
OU2				
August 2014	28,056,470	629	100.0	1.9
Total since October 1995	6.335 Billion			765
Sites 2/12				
August 2014	7,433,800	167	99.7	0.42
Total since April 1999	1.766 Billion			465

Table 2: August 2014 – OU2 Analytical Results at TS-OU2-INJ

COC	Discharge Limit (µg/L)	Sample Date/ Analytical Results
		Not Sampled
1,1-DCA	5.0*	NS
1,2-DCA	0.50	NS
1,2-DCP	0.50	NS
Benzene	0.50	NS
CT	0.50	NS
Chloroform	2.0*	NS
cis-1,2-DCE	6.0*	NS
Methylene Chloride	0.50	NS
PCE	0.50	NS
TCE	0.50	NS
VC	0.10	NS

NOTES:

- * Discharge limits for low carbon affinity compounds were increased to the Aquifer Cleanup Level (ACL).
- ND The analyte was not detected above the limit of quantitation.
- NS Not sampled.

Table 3: August 2014 – Sites 2/12 Analytical Results at TS-212-INJ

COC	Discharge Limit (µg/L)†	Sample Date / Analytical Results
		8/18/2014
1,1-DCE	6.0	ND
1,2-DCA	0.50	ND
1,3-DCP†	0.50	ND
Chloroform	2.0	0.14
cis-1,2 DCE	6.0	0.27
PCE	3.0	ND
TCE	5.0	ND
VC	0.10	ND

NOTES:

- ND The analyte was not detected above the limit of quantitation.
- NS not sampled.
- † The reported value is the sum of both cis- and trans-isomers.
- ‡ Discharge limits are the ACLs for injection over the plume.

Table 4: August 2014 Key Events for OU2 and Sites 2/12 GWTS

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4 Replace failed pumps at EW-OU2-05-A and EW-OU2-12-A. EW-OU2-12-A has intermittent starter motor issues. VFD short on OU2 XS Pump P410. Installed LO/TO on P410 breaker in the off position.	5 Replace failed pump at EW-OU2-16-A. Pressure transducer failed.	6	7	8 Replace failed VFD on OU2 XS Pump P410. Removed LO/TO from breaker.	9
10	11 Sites 2/12 GWTP shut down for 2 hours to replace a leaky valve.	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27 Prep construction meeting with Shea Homes and Sanco Pipelines for stormwater infiltration pipeline install south of Imjin Pkwy across from OU2 GWTP.	28	29	30
31						

September 2014 Scheduled Events for OU2 and Sites 2/12 GWTS

- Week of Sept 15: Third Quarter 2014 annual sampling event
- GWTP sampling
- Install new SCADA server
- Install new pressure transducer in EW-OU2-16-A
- Install new motor starter and reset level switches at EW-OU2-12-A
- OU2 GWTP motor control center electrical inspection

Table 5: AES Document Submittals - Status Summary

No OU2 or Sites 2/12 O&M documents were submitted during the reporting period.

Table 6: August 2014 OU2 Extraction Well Status (as of August 31)

Well Identification	Comments	Select COC Concentrations (µg/L) 2Q 2014*				
		TCE	PCE	1,2-DCA	VC	CT
Western Network						
EW-OU2-01-A	Offline due to low concentrations, sampled with PDBs [†]	Not Sampled				
EW-OU2-02-A	Online to capture western TCE plume	0.50	ND	ND	ND	ND
EW-OU2-03-A	Offline due to low concentrations, sampled with PDBs [†]	Not Sampled				
EW-OU2-04-A	Online to capture western TCE plume	1.6	ND	ND	ND	ND
EW-OU2-05-A	Adjacent to MW-OU2-40-A [§] , offline due to pump failure on 11/5/13, replaced pump 8/4/14 & online	Not Sampled				
EW-OU2-06-A	Adjacent to MW-OU2-40-A [§]	4.3	0.31	ND	ND	ND
EW-OU2-01-180	No pump in well, sampled with PDBs	6.9	ND	ND	ND	ND
Total gallons extracted: 7,619,750						
Eastern Network						
EW-OU2-07-A	Offline due to low concentrations [‡]	Not Sampled				
EW-OU2-08-A	Offline due to low concentrations [‡]	Not Sampled				
EW-OU2-09-A		1.3	0.55	0.54	0.050	ND
EW-OU2-10-A		2.4	1.2	0.91	0.083	ND
EW-OU2-11-A	Offline due to biofouling, screen damaged, sampled with PDBs	1.1	0.65	0.18	ND	ND
EW-OU2-12-A	Offline due to pump failure 3/15/14, replaced 8/4/14 & online, intermittent issues with starter motor failure	Not Sampled				
EW-OU2-13-A		9.3	2.6	2.2	ND	ND
EW-OU2-02-180	Offline due to breach in well casing identified in August 2012	Not Sampled				
Total gallons extracted: 3,062,420						
Shoppette						
EW-OU2-05-180		5.9	0.50	ND	ND	ND
EW-OU2-06-180	Offline due to pump failure in February 2012	Not Sampled				
EW-OU2-16-A	Offline due to pump failure 5/17/14, replaced 8/5/14, failed pressure transducer	Not Sampled				
Total gallons extracted: 7,028,800						
CSUMB						
EW-OU2-14-A [^]	Previously offline due to low concentrations, online 7/14/14 due to recent TCE results	11.5	0.49	ND	ND	0.17
	Confirmation sample collected 7/21/14	1.6	0.48	ND	ND	ND
EW-OU2-15-A	Offline due to low concentrations, pump failure	Not Sampled				
Total gallons extracted: 683,500						
Landfill						
EW-OU2-03-180		11.9	0.61	ND	ND	0.21
EW-OU2-04-180	Offline due to low concentrations [‡]	Not Sampled				
Total gallons extracted: 7,430,000						
Bunker Hill						
EW-OU2-07-180	No pump in well, sampled with PDBs	2.1	1.2	ND	ND	ND
EW-OU2-08-180	Offline due to low concentrations	0.86	0.22	ND	ND	ND
EW-OU2-09-180	OUCTP Upper 180-Foot Aquifer remedy**	ND	0.25	ND	ND	ND
Total gallons extracted: 2,232,000						
Total OU2 gallons treated: 28,056,470						

NOTES:

ND = The analyte was not detected above the limit of quantitation

 * Concentrations in **bold** type exceed the ACL

† Sampled annually per QAPP decision rules

‡ Removed from the GWMP per QAPP decision rules

§ MW-OU2-40-A concentration of TCE = 18.6 µg/L (2Q2014)

^ Adjacent well MW-OU2-45-A concentration of TCE = 0.18 µg/L (2Q2014)

** cis-1,2-DCE also detected at 2.2 µg/L (2Q2014)

Table 7: August 2014 Sites 2/12 Extraction Well and Select Monitoring Well Status (as of August 31)

Well Identification	Comments	Select COC Concentrations (µg/L) 2Q 2014*			
		TCE	PCE	cis-1,2-DCE	VC
EW-12-05-180M		4.7	5.6	1.2	ND
EW-12-06-180M		2.7	0.50	0.92	ND
EW-12-07-180M	Offline due to low concentrations	2.7	0.58	0.82	ND
EW-12-03-180U	Offline due to low concentrations, sampled with PDBs†	Not Sampled			
EW-12-03-180M	Offline due to low concentrations, sampled with PDBs	2.6	0.62	1.3	ND
EW-12-04-180U	Offline due to low concentrations, sample with PDBs†	Not Sampled			
EW-12-04-180M	Offline due to low concentrations, sampled with PDBs‡	Not Sampled			
MW-12-09R-180	MW east of and upgradient from EW-12-05-180M	0.42	5.0	ND	ND
MW-12-14-180M	MW north of and upgradient from EW-12-05-180M	2.1	0.39	0.13	ND
MW-12-17-180U	New MW east of EW-12-06-180M	2.2	0.52	ND	ND
MW-12-24-180U	New MW adjacent to MW-12-09R-180	4.3	70.8	ND	ND
MW-12-25-180U	New MW east of MW-12-09R-180	ND	5.5	ND	ND
MW-12-20-180U	New MW northeast of MW-12-09R-180	0.20	1.0	ND	ND
Total 2/12 Extraction Well gallons treated: 7,433,800					

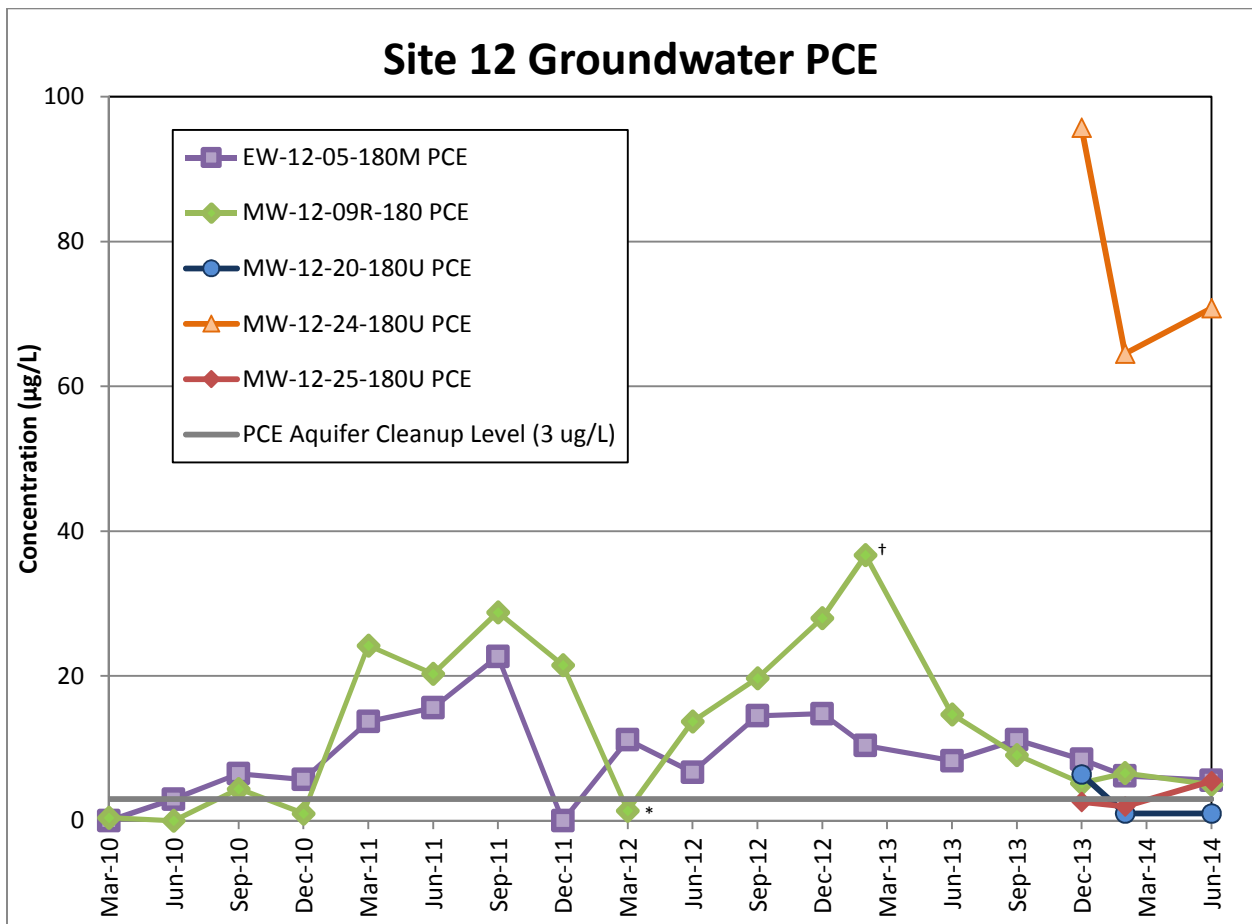
NOTES:

ND = The analyte was not detected above the limit of quantitation

* Concentrations in **bold** type exceed the ACL

† Sampled annually per QAPP decision rules

‡ Removed from the GWMP per QAPP decision rules



* The PCE detection from MW-12-09R-180 in March 2012 was flagged with a J- qualifier which indicates a low bias.

† The PCE detection from MW-12-09R-180 in March 2013 was flagged with a J+ qualifier which indicates a high bias.

	A	B	C	D	E	F	G	H	I	J
1	Issue Year	Site	Document Title	Version	Issue Date	Comment Due Date	DocGroup	DocType	Author Org	Notes
2	2014	Basewide	Accident Prevention Plan, Treatment Systems Operations and Maintenance, and Groundwater Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon	DRAFT	<u>3-Sep-14</u>	3-Oct-14	Secondary	Internal	Ahtna	Received; Submit draft version to Army for review only
3	2014	Basewide	Accident Prevention Plan, Treatment Systems Operations and Maintenance, and Groundwater Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon	FINAL	17-Oct-14	None	Secondary	Internal	Ahtna	When draft version is approved by the Army, submit only as Final
4	2014	Basewide	Explanation of Significant Differences No. 1, Basewide Remedial Investigation, Sites 2 and 12, Former Fort Ord, CA	PREDRAFT	<u>3-Sep-14</u>	18-Sep-14	Primary	Internal	Ahtna	Received
5	2014	Basewide	Explanation of Significant Differences No. 1, Basewide Remedial Investigation, Sites 2 and 12, Former Fort Ord, CA	DRAFT	3-Oct-14	5-Dec-14	Primary	External	Ahtna	New Date
6	2015	Basewide	Explanation of Significant Differences No. 1, Basewide Remedial Investigation, Sites 2 and 12, Former Fort Ord, CA	DRAFT FINAL	6-Jan-15	6-Feb-15	Primary	External	Ahtna	New Date
7	2015	Basewide	Explanation of Significant Differences No. 1, Basewide Remedial Investigation, Sites 2 and 12, Former Fort Ord, CA	FINAL	23-Feb-15	None	Primary	External	Ahtna	New Date
8	2014	OUCTP	Operable Unit Carbon Tetrachloride Plume A-Aquifer Remedy Evaluation Work Plan	PREDRAFT	<u>3-Sep-14</u>	17-Sep-14	Secondary	Internal	Ahtna	Received
9	2014	OUCTP	Operable Unit Carbon Tetrachloride Plume A-Aquifer Remedy Evaluation Work Plan	DRAFT	1-Oct-14	31-Oct-14	Secondary	External	Ahtna	
10	2014	OUCTP	Operable Unit Carbon Tetrachloride Plume A-Aquifer Remedy Evaluation Work Plan	DRAFT FINAL	3-Dec-14	5-Jan-15	Secondary	External	Ahtna	New Date
11	2015	OUCTP	Operable Unit Carbon Tetrachloride Plume A-Aquifer Remedy Evaluation Work Plan	FINAL	19-Jan-15	None	Secondary	External	Ahtna	New Date
12	2015	RI Sites	Report, Remedial Investigation/Feasibility Study Addendum at Sites 2 and 12	DRAFT	<u>11-Aug-14</u>	8-Oct-14	Primary	External	Ahtna	Received
13	2014	RI Sites	Report, Remedial Investigation/Feasibility Study Addendum at Sites 2 and 12	DRAFT FINAL	<u>23-Oct-14</u>	24-Nov-14	Primary	External	Ahtna	
14	2014	RI Sites	Report, Remedial Investigation/Feasibility Study Addendum at Sites 2 and 12	FINAL	5-Dec-14	None	Primary	External	Ahtna	
15	2014	OU2	Operable Unit 2 Groundwater Monitoring and Treatment System Annual Report, October 2013 through September 2014	PREDRAFT	3-Dec-14	17-Dec-14	Secondary	Internal	Ahtna / AMEC	
16	2014	OU2	Operable Unit 2 Groundwater Monitoring and Treatment System Annual Report, October 2013 through September 2014	DRAFT	31-Dec-14	2-Feb-15	Secondary	External	Ahtna / AMEC	
17	2015	OU2	Operable Unit 2 Groundwater Monitoring and Treatment System Annual Report, October 2013 through September 2014	DRAFT FINAL	5-Mar-15	7-Apr-15	Secondary	External	Ahtna / AMEC	New Date
18	2015	OU2	Operable Unit 2 Groundwater Monitoring and Treatment System Annual Report, October 2013 through September 2014	FINAL	21-Apr-15	None	Secondary	External	Ahtna / AMEC	New Date
19	2014	OU2	Operable Unit 2 Groundwater Monitoring and Treatment System Quarterly Report, Second Quarter 2014	FINAL	31-Oct-14	None	Secondary	External	Ahtna / AMEC	
20	2014	OUCTP	Operable Unit Carbon Tetrachloride Plume Groundwater Monitoring Annual Report, October 2013 through September 2014	PREDRAFT	3-Dec-14	17-Dec-14	Secondary	Internal	Ahtna / AMEC	
21	2014	OUCTP	Operable Unit Carbon Tetrachloride Plume Groundwater Monitoring Annual Report, October 2013 through September 2014	DRAFT	31-Dec-14	2-Feb-15	Secondary	External	Ahtna / AMEC	
22	2015	OUCTP	Operable Unit Carbon Tetrachloride Plume Groundwater Monitoring Annual Report, October 2013 through September 2014	DRAFT FINAL	5-Mar-15	7-Apr-15	Secondary	External	Ahtna / AMEC	New Date
23	2015	OUCTP	Operable Unit Carbon Tetrachloride Plume Groundwater Monitoring Annual Report, October 2013 through September 2014	FINAL	21-Apr-15	None	Secondary	External	Ahtna / AMEC	New Date
24	2014	OUCTP	Operable Unit Carbon Tetrachloride Plume Groundwater Monitoring Quarterly Report, Second Quarter 2014	FINAL	31-Oct-14	None	Secondary	External	Ahtna / AMEC	
25	2014	Basewide	Report of Quarterly Monitoring, First Quarter 2014, Groundwater Monitoring Program, Sites 2 and 12, OU2, and OUCTP	FINAL	<u>25-Jul-14</u>	None	Secondary	External	Ahtna / AMEC	Received
26	2014	Basewide	Sites 2 and 12 Groundwater and Soil Vapor Monitoring and Treatment System Annual Report, October 2013 through September 2014	PREDRAFT	3-Dec-14	17-Dec-14	Secondary	Internal	Ahtna / AMEC	
27	2014	Basewide	Sites 2 and 12 Groundwater and Soil Vapor Monitoring and Treatment System Annual Report, October 2013 through September 2014	DRAFT	31-Dec-14	2-Feb-15	Secondary	External	Ahtna / AMEC	
28	2015	Basewide	Sites 2 and 12 Groundwater and Soil Vapor Monitoring and Treatment System Annual Report, October 2013 through September 2014	DRAFT FINAL	5-Mar-15	7-Apr-15	Secondary	External	Ahtna / AMEC	New Date
29	2015	Basewide	Sites 2 and 12 Groundwater and Soil Vapor Monitoring and Treatment System Annual Report, October 2013 through September 2014	FINAL	21-Apr-15	None	Secondary	External	Ahtna / AMEC	New Date
30	2014	Basewide	Sites 2 and 12 Groundwater and Soil Vapor Monitoring and Treatment System Quarterly Report, Second Quarter 2014	FINAL	31-Oct-14	None	Secondary	External	Ahtna / AMEC	
31	2014	RI Sites	Site Specific Restoration Plan, Historical Areas 26, 28, 34, 37, 38, 44, and 48, Former Fort Ord, California	FINAL	<u>18-Jul-14</u>	None	Secondary	External	Burleson Consulting, Inc.	Received
32	2014	Basewide	Analysis of the 2013 Community Survey and 2013-2014 Community Outreach Program, Fort Ord, California	DRAFT	30-Dec-14	31-Jan-14	Secondary	External	Fort Ord BRAC	
33	2014	OU1	2014 Annual and Third Quarter OU-1 Groundwater Monitoring Report	DRAFT	22-Dec-14	23-Jan-15	Secondary	External	HydroGeoLogic, Inc.	

	A	B	C	D	E	F	G	H	I	J
1	Issue Year	Site	Document Title	Version	Issue Date	Comment Due Date	DocGroup	DocType	Author Org	Notes
34	2015	OU1	2014 Annual and Third Quarter OU-1 Groundwater Monitoring Report	DRAFT FINAL	8-Feb-15	10-Mar-15	Secondary	External	HydroGeoLogic, Inc.	
35	2015	OU1	2015 Semiannual OU-1 Groundwater Monitoring Report	Final	21-Jun-15	21-Jul-15	Secondary	External	HydroGeoLogic, Inc.	Comments accepted and incorporated in 2015 Annual OU-1 Groundwater Monitoring Report
36	2015	OU1	OU-1 Site Closure Technical Memorandum	Draft	TBD	TBD	Primary	External	HydroGeoLogic, Inc.	
37	2015	OU1	OU-1 Site Closure Technical Memorandum	Draft Final	TBD	TBD	Primary	External	HydroGeoLogic, Inc.	
38	2015	OU1	OU-1 UFP-QAPP Update	Draft	TBD	TBD	Primary	External	HydroGeoLogic, Inc.	
39	2015	OU1	OU-1 UFP-QAPP Update	Draft Final	TBD	TBD	Primary	External	HydroGeoLogic, Inc.	
40	2014	OU1	Well Destruction and Former OU-1 Treatment Plant Decommissioning Completion Report Former Fort Ord, California	DRAFT	<u>11-Aug-14</u>	16-Sep-14	Secondary	External	HydroGeoLogic, Inc.	Received
41	2014	OU1	Well Destruction and Former OU-1 Treatment Plant Decommissioning Completion Report Former Fort Ord, California	DRAFT FINAL	25-Sep-14	22-Oct-14	Secondary	External	HydroGeoLogic, Inc.	Draft accepted as Final
42	2014	OU2	Annual Report, 2013, Operations and Maintenance, Operable Unit 2 Landfills, Former Fort Ord, California	FINAL	<u>9-Jul-14</u>	None	Secondary	External	ITSI Gilbane	Received
43	2014	OU2	Construction QC and QA Report, OU2 Landfills, Area E Phase 1	DRAFT FINAL	<u>14-Jul-14</u>	14-Aug-14	Primary	External	ITSI Gilbane	Received
44	2014	OU2	Construction QC and QA Report, OU2 Landfills, Area E Phase 1	FINAL	19-Sep-14	None	Primary	External	ITSI Gilbane	New Date but same month as shown in the FFA schedule
45	2014	OU2	Quality Assurance Project Plan, Superfund Response Actions, Former Fort Ord, California, Volume 2, OU2 Landfill, Appendix A	FINAL	17-Nov-14	None	Primary	External	ITSI Gilbane	
46	2014	OU2	Quality Assurance Project Plan, Superfund Response Actions, Former Fort Ord, California, Volume 2, OU2 Landfill, Appendix A	DRAFT FINAL	30-Sep-14	2-Nov-14	Primary	External	ITSI Gilbane	New Date but same month as shown in the FFA schedule
47	2014	RI Sites	Remedial Action Completion Report, Site 39 Inland Ranges Habitat Reserve, Former Fort Ord, California	FINAL	<u>31-Jul-14</u>	None	Primary	External	ITSI Gilbane	Received
48	2014	Basewide	Technical Memorandum Evaluation of Lead Concentrations at Selected Sites, Former Fort Ord, California	DRAFT FINAL	TBD	TBD	Secondary	External	ITSI Gilbane	
49	2014	Basewide	Technical Memorandum Evaluation of Lead Concentrations at Selected Sites, Former Fort Ord, California	FINAL	TBD	TBD	Secondary	External	ITSI Gilbane	
50	2014	RI Sites	Technical Memorandum, Basewide Range Assessment Investigation, Unit 6, Former Fort Ord, California	DRAFT	<u>22-Jul-14</u>	25-Aug-14	Secondary	External	ITSI Gilbane	Received
51	2014	RI Sites	Technical Memorandum, Basewide Range Assessment Investigation, Unit 6, Former Fort Ord, California	DRAFT FINAL	22-Sep-14	22-Oct-14	Secondary	External	ITSI Gilbane	
52	2014	RI Sites	Technical Memorandum, Basewide Range Assessment Investigation, Unit 6, Former Fort Ord, California	FINAL	7-Nov-14	None	Secondary	External	ITSI Gilbane	
53	2014	RI Sites	Technical Memorandum, Basewide Range Assessment Investigations, Units 7, 10, 33, Former Fort Ord, California	DRAFT	30-Sep-14	30-Oct-14	Secondary	External	ITSI Gilbane	
54	2014	RI Sites	Technical Memorandum, Basewide Range Assessment Investigations, Units 7, 10, 33, Former Fort Ord, California	DRAFT FINAL	31-Dec-14	31-Jan-14	Secondary	External	ITSI Gilbane	
55	2015	RI Sites	Technical Memorandum, Basewide Range Assessment Investigations, Units 7, 10, 33, Former Fort Ord, California	FINAL	15-Feb-15	None	Secondary	External	ITSI Gilbane	
56	2014	RI Sites	Technical Memorandum, Basewide Range Assessment Investigations, Watkins Gate Burn Area, Former Fort Ord, California	DRAFT	30-Oct-14	2-Dec-14	Secondary	External	ITSI Gilbane	New Date
57	2014	RI Sites	Technical Memorandum, Basewide Range Assessment Investigations, Watkins Gate Burn Area, Former Fort Ord, California	DRAFT FINAL	31-Dec-14	31-Jan-14	Secondary	External	ITSI Gilbane	

September 2014 HTW BCT
Deliverable Schedule

	A	B	C	D	E	F	G	H	I	J
1	Issue Year	Site	Document Title	Version	Issue Date	Comment Due Date	DocGroup	DocType	Author Org	Notes
2	2014	OU2	Annual Report, 2013, Operations and Maintenance, Operable Unit 2 Landfills, Former Fort Ord, California	FINAL	<u>9-Jul-14</u>	None	Secondary	External	ITSI Gilbane	Received
3	2014	OU2	Construction QC and QA Report, OU2 Landfills, Area E Phase 1	DRAFT FINAL	<u>14-Jul-14</u>	14-Aug-14	Primary	External	ITSI Gilbane	Received
4	2014	RI Sites	Site Specific Restoration Plan, Historical Areas 26, 28, 34, 37, 38, 44, and 48, Former Fort Ord, California	FINAL	<u>18-Jul-14</u>	None	Secondary	External	Burleson Consulting, Inc.	Received
5	2014	RI Sites	Technical Memorandum, Basewide Range Assessment Investigation, Unit 6, Former Fort Ord, California	DRAFT	<u>22-Jul-14</u>	25-Aug-14	Secondary	External	ITSI Gilbane	Received
6	2014	Basewide	Report of Quarterly Monitoring, First Quarter 2014, Groundwater Monitoring Program, Sites 2 and 12, OU2, and OUCTP	FINAL	<u>25-Jul-14</u>	None	Secondary	External	Ahtna / AMEC	Received
7	2014	RI Sites	Remedial Action Completion Report, Site 39 Inland Ranges Habitat Reserve, Former Fort Ord, California	FINAL	<u>31-Jul-14</u>	None	Primary	External	ITSI Gilbane	Received
8	2015	RI Sites	Report, Remedial Investigation/Feasibility Study Addendum at Sites 2 and 12	DRAFT	<u>11-Aug-14</u>	8-Oct-14	Primary	External	Ahtna	Received
9	2014	OU1	Well Destruction and Former OU-1 Treatment Plant Decommissioning Completion Report Former Fort Ord, California	DRAFT	<u>11-Aug-14</u>	16-Sep-14	Secondary	External	HydroGeoLogic, Inc.	Received
10	2014	Basewide	Accident Prevention Plan, Treatment Systems Operations and Maintenance, and Groundwater Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon	DRAFT	<u>3-Sep-14</u>	3-Oct-14	Secondary	Internal	Ahtna	Received; Submit draft version to Army for review only
11	2014	Basewide	Explanation of Significant Differences No. 1, Basewide Remedial Investigation, Sites 2 and 12, Former Fort Ord, CA	PREDRAFT	<u>3-Sep-14</u>	18-Sep-14	Primary	Internal	Ahtna	Received
12	2014	OUCTP	Operable Unit Carbon Tetrachloride Plume A-Aquifer Remedy Evaluation Work Plan	PREDRAFT	<u>3-Sep-14</u>	17-Sep-14	Secondary	Internal	Ahtna	Received
13	2014	OU2	Construction QC and QA Report, OU2 Landfills, Area E Phase 1	FINAL	19-Sep-14	None	Primary	External	ITSI Gilbane	New Date but same month as shown in the FFA schedule
14	2014	RI Sites	Technical Memorandum, Basewide Range Assessment Investigation, Unit 6, Former Fort Ord, California	DRAFT FINAL	22-Sep-14	22-Oct-14	Secondary	External	ITSI Gilbane	
15	2014	OU1	Well Destruction and Former OU-1 Treatment Plant Decommissioning Completion Report Former Fort Ord, California	DRAFT FINAL	25-Sep-14	22-Oct-14	Secondary	External	HydroGeoLogic, Inc.	Draft accepted as Final
16	2014	OU2	Quality Assurance Project Plan, Superfund Response Actions, Former Fort Ord, California, Volume 2, OU2 Landfill, Appendix A	DRAFT FINAL	30-Sep-14	2-Nov-14	Primary	External	ITSI Gilbane	New Date but same month as shown in the FFA schedule
17	2014	RI Sites	Technical Memorandum, Basewide Range Assessment Investigations, Units 7, 10, 33, Former Fort Ord, California	DRAFT	30-Sep-14	30-Oct-14	Secondary	External	ITSI Gilbane	
18	2014	OUCTP	Operable Unit Carbon Tetrachloride Plume A-Aquifer Remedy Evaluation Work Plan	DRAFT	1-Oct-14	31-Oct-14	Secondary	External	Ahtna	
19	2014	Basewide	Explanation of Significant Differences No. 1, Basewide Remedial Investigation, Sites 2 and 12, Former Fort Ord, CA	DRAFT	3-Oct-14	5-Dec-14	Primary	External	Ahtna	New Date
20	2014	Basewide	Accident Prevention Plan, Treatment Systems Operations and Maintenance, and Groundwater Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume	FINAL	17-Oct-14	None	Secondary	Internal	Ahtna	When draft version is approved by the Army, submit only as Final
21	2014	RI Sites	Report, Remedial Investigation/Feasibility Study Addendum at Sites 2 and 12	DRAFT FINAL	23-Oct-14	24-Nov-14	Primary	External	Ahtna	
22	2014	RI Sites	Technical Memorandum, Basewide Range Assessment Investigations, Watkins Gate Burn Area, Former Fort Ord, California	DRAFT	30-Oct-14	2-Dec-14	Secondary	External	ITSI Gilbane	New Date
23	2014	OU2	Operable Unit 2 Groundwater Monitoring and Treatment System Quarterly Report, Second Quarter 2014	FINAL	31-Oct-14	None	Secondary	External	Ahtna / AMEC	
24	2014	OUCTP	Operable Unit Carbon Tetrachloride Plume Groundwater Monitoring Quarterly Report, Second Quarter 2014	FINAL	31-Oct-14	None	Secondary	External	Ahtna / AMEC	
25	2014	Basewide	Sites 2 and 12 Groundwater and Soil Vapor Monitoring and Treatment System Quarterly Report, Second Quarter 2014	FINAL	31-Oct-14	None	Secondary	External	Ahtna / AMEC	
26	2014	RI Sites	Technical Memorandum, Basewide Range Assessment Investigation, Unit 6, Former Fort Ord, California	FINAL	7-Nov-14	None	Secondary	External	ITSI Gilbane	
27	2014	OU2	Quality Assurance Project Plan, Superfund Response Actions, Former Fort Ord, California, Volume 2, OU2 Landfill, Appendix A	FINAL	17-Nov-14	None	Primary	External	ITSI Gilbane	
28	2014	OU2	Operable Unit 2 Groundwater Monitoring and Treatment System Annual Report, October 2013 through September 2014	PREDRAFT	3-Dec-14	17-Dec-14	Secondary	Internal	Ahtna / AMEC	
29	2014	OUCTP	Operable Unit Carbon Tetrachloride Plume A-Aquifer Remedy Evaluation Work Plan	DRAFT FINAL	3-Dec-14	5-Jan-15	Secondary	External	Ahtna	New Date
30	2014	OUCTP	Operable Unit Carbon Tetrachloride Plume Groundwater Monitoring Annual Report, October 2013 through September 2014	PREDRAFT	3-Dec-14	17-Dec-14	Secondary	Internal	Ahtna / AMEC	
31	2014	Basewide	Sites 2 and 12 Groundwater and Soil Vapor Monitoring and Treatment System Annual Report, October 2013 through September 2014	PREDRAFT	3-Dec-14	17-Dec-14	Secondary	Internal	Ahtna / AMEC	
32	2014	RI Sites	Report, Remedial Investigation/Feasibility Study Addendum at Sites 2 and 12	FINAL	5-Dec-14	None	Primary	External	Ahtna	

	A	B	C	D	E	F	G	H	I	J
1	Issue Year	Site	Document Title	Version	Issue Date	Comment Due Date	DocGroup	DocType	Author Org	Notes
33	2014	OU1	2014 Annual and Third Quarter OU-1 Groundwater Monitoring Report	DRAFT	22-Dec-14	23-Jan-15	Secondary	External	HydroGeoLogic, Inc.	
34	2014	Basewide	Analysis of the 2013 Community Survey and 2013-2014 Community Outreach Program, Fort Ord, California	DRAFT	30-Dec-14	31-Jan-14	Secondary	External	Fort Ord BRAC	
35	2014	OU2	Operable Unit 2 Groundwater Monitoring and Treatment System Annual Report, October 2013 through September 2014	DRAFT	31-Dec-14	2-Feb-15	Secondary	External	Ahtna / AMEC	
36	2014	OUCTP	Operable Unit Carbon Tetrachloride Plume Groundwater Monitoring Annual Report, October 2013 through September 2014	DRAFT	31-Dec-14	2-Feb-15	Secondary	External	Ahtna / AMEC	
37	2014	Basewide	Sites 2 and 12 Groundwater and Soil Vapor Monitoring and Treatment System Annual Report, October 2013 through September 2014	DRAFT	31-Dec-14	2-Feb-15	Secondary	External	Ahtna / AMEC	
38	2014	RI Sites	Technical Memorandum, Basewide Range Assessment Investigations, Units 7, 10, 33, Former Fort Ord, California	DRAFT FINAL	31-Dec-14	31-Jan-14	Secondary	External	ITSI Gilbane	
39	2014	RI Sites	Technical Memorandum, Basewide Range Assessment Investigations, Watkins Gate Burn Area, Former Fort Ord, California	DRAFT FINAL	31-Dec-14	31-Jan-14	Secondary	External	ITSI Gilbane	
40	2014	Basewide	Technical Memorandum Evaluation of Lead Concentrations at Selected Sites, Former Fort Ord, California	DRAFT FINAL	TBD	TBD	Secondary	External	ITSI Gilbane	
41	2014	Basewide	Technical Memorandum Evaluation of Lead Concentrations at Selected Sites, Former Fort Ord, California	FINAL	TBD	TBD	Secondary	External	ITSI Gilbane	
42	2015	Basewide	Explanation of Significant Differences No. 1, Basewide Remedial Investigation, Sites 2 and 12, Former Fort Ord, CA	DRAFT FINAL	6-Jan-15	6-Feb-15	Primary	External	Ahtna	New Date
43	2015	OUCTP	Operable Unit Carbon Tetrachloride Plume A-Aquifer Remedy Evaluation Work Plan	FINAL	19-Jan-15	None	Secondary	External	Ahtna	New Date
44	2015	OU1	2014 Annual and Third Quarter OU-1 Groundwater Monitoring Report	DRAFT FINAL	8-Feb-15	10-Mar-15	Secondary	External	HydroGeoLogic, Inc.	
45	2015	RI Sites	Technical Memorandum, Basewide Range Assessment Investigations, Units 7, 10, 33, Former Fort Ord, California	FINAL	15-Feb-15	None	Secondary	External	ITSI Gilbane	
46	2015	Basewide	Explanation of Significant Differences No. 1, Basewide Remedial Investigation, Sites 2 and 12, Former Fort Ord, CA	FINAL	23-Feb-15	None	Primary	External	Ahtna	New Date
47	2015	OU2	Operable Unit 2 Groundwater Monitoring and Treatment System Annual Report, October 2013 through September 2014	DRAFT FINAL	5-Mar-15	7-Apr-15	Secondary	External	Ahtna / AMEC	New Date
48	2015	OUCTP	Operable Unit Carbon Tetrachloride Plume Groundwater Monitoring Annual Report, October 2013 through September 2014	DRAFT FINAL	5-Mar-15	7-Apr-15	Secondary	External	Ahtna / AMEC	New Date
49	2015	Basewide	Sites 2 and 12 Groundwater and Soil Vapor Monitoring and Treatment System Annual Report, October 2013 through September 2014	DRAFT FINAL	5-Mar-15	7-Apr-15	Secondary	External	Ahtna / AMEC	New Date
50	2015	OU2	Operable Unit 2 Groundwater Monitoring and Treatment System Annual Report, October 2013 through September 2014	FINAL	21-Apr-15	None	Secondary	External	Ahtna / AMEC	New Date
51	2015	OUCTP	Operable Unit Carbon Tetrachloride Plume Groundwater Monitoring Annual Report, October 2013 through September 2014	FINAL	21-Apr-15	None	Secondary	External	Ahtna / AMEC	New Date
52	2015	Basewide	Sites 2 and 12 Groundwater and Soil Vapor Monitoring and Treatment System Annual Report, October 2013 through September 2014	FINAL	21-Apr-15	None	Secondary	External	Ahtna / AMEC	New Date
53	2015	OU1	2015 Semiannual OU-1 Groundwater Monitoring Report	Final	21-Jun-15	21-Jul-15	Secondary	External	HydroGeoLogic, Inc.	Comments accepted and incorporated in 2015 Annual OU-1 Groundwater Monitoring Report
54	2015	OU1	OU-1 Site Closure Technical Memorandum	Draft	TBD	TBD	Primary	External	HydroGeoLogic, Inc.	
55	2015	OU1	OU-1 Site Closure Technical Memorandum	Draft Final	TBD	TBD	Primary	External	HydroGeoLogic, Inc.	
56	2015	OU1	OU-1 UFP-QAPP Update	Draft	TBD	TBD	Primary	External	HydroGeoLogic, Inc.	
57	2015	OU1	OU-1 UFP-QAPP Update	Draft Final	TBD	TBD	Primary	External	HydroGeoLogic, Inc.	

	SEPTEMBER					
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9 ESCA Reg Mtg (1pm)	10	11	12	13
14	15	16	17 MR IPM (10am) HTW IPM (130pm)	18	19	20
21	22	23 HTW BCT (1:30p)	24 MR BCT (10am)	25	26	27
28	29	30				

	OCTOBER					
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9	10	11
12	13	14 ESCA Reg Mtg (1pm)	15 MR IPM (10am) HTW IPM (130pm)	16	17	18
19	20	21	22 MR BCT (10am) HTW BCT (130pm)	23	24	25
26	27	28	29	30	31	

NOVEMBER						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5 MR IPM (10am) HTW IPM (130pm)	6	7	8
9	10	11 ESCA Reg Mtg (1pm)	12	13 MR BCT (10am) HTW BCT (1:30 pm)	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

DECEMBER						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9 ESCA Reg Mtg (1pm)	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			