


SUBJECT: HTW – BCT Meeting
March 17, 2009
1:00 p.m Fort Ord BRAC office

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Check (✓)	Name	Organization	Phone	E-mail address
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HTW BCT Meeting

March 2009

Item	Action	Comment
OUI Groundwater Remediation	Status Update	HGL
OU1 Off-Site	Status Update	
OU2 and 2/12 Treatment Systems	Status Update	
Other Groundwater Issues	Status Update	Quarterly sampling
OUCTP	Status Update	RD/RA Work Plan
Groundwater Treatment System Optimization	Status Update	
OU2 Landfill	Status Update	
Basewide Range Assessment	Status Update	HA-161 Interim Action memo No Action Memos
Site 39 FS Addendum/ROD	Status Update	
FFA Schedule	Status Update	
FOST/FOSET Issues	Status Update	
Calendar Update	Update	

Property Transfer Update 03-17-09

FOSET 5 deeds:

1. March 2 – Email from the Assistant for BRAC DASA (I&H) stating the deeds must be to Mr. Calcara (DASA) for signature NLT March 16.
2. March 10 – Deeds approved by Army's Office of General Counsel (OGC) and transmitted to Kutak Rock (KR, FORA's legal counsel) for review and transmittal to FORA.
3. March 13 – Mr. Houlemard of FORA signs all nine FOSET 5 deeds and transmits to Mr. Calcara.
4. March 16 – determined KR had sent and Mr. Houlemard signed an older draft of the deeds. Current deeds were transmitted to Mr. Houlemard for signature.
5. March 17 – Mr. Houlemard signed current deeds. Signed deeds will be sent back to KR, who will add exhibits and deliver to USACE to add CRUPs. USACE will deliver complete deed package to Mr. Calcara for signing ceremony on March 19.
6. Army/CSUMB MOA for transfer of property by EDC amended to accommodate ESCA process. USACE drafted amendment January 22, KR reviewed and commented, submitted to CSUMB on February 11. CSUMB has signed.

FOST 10 deeds:

Review of draft deeds shows they conform with FOST 10 Master Deed, but not FOSET 5 negotiated deeds. Deed exhibits are being compiled.

FOSET 2 deed amendments:

Five deed amendments were issued to FOSET 2 property recipients for signature:

1. Monterey-Salinas Transit – signed and returned to USACE.
2. City of Marina – reviewed by Kutak Rock, comments submitted to USACE.
3. City of Seaside – reviewed by Kutak Rock, comments submitted to USACE.
4. University of California (UC) – comments submitted to USACE.
5. CSUMB – tabled pending completion of FOSET 5 deed.

Army/FORA EDC MOA:

1. Kutak Rock insisted this MOA needs to be amended to include all FOSET 5 and FOST 10 parcels where recipients have rescinded PBC status.
2. Kutak Rock drafted amendment, which was reviewed by USACE and the BRAC Office. Final negotiated amendment approved by OGC on March 10 and signed by FORA on March 13.

Parcel F7.1 (FO-30, FOST 6):

1. Army/UC MOA states this parcel to be transferred to UC, but may have been transferred to MCWD. Transfer status is uncertain because incorrect legal description was included in the deed.
2. BRAC Office and USACE are working with UC and FORA to resolve this.

FOSET 4 and FOSET 5 deed amendments:

1. RODs for Del Rey Oaks and Parker Flats MRAs complete and signed; deed amendments issuing the CERCLA Warranty for FOSET 4 (Del Rey Oaks) and FOSET 5 property (Parker Flats area only) drafted, but finalization pending completion of FOSET 2 deed amendments and transfer of FOSET 5 Parker Flats parcels.



Former Fort Ord Groundwater Treatment Systems Operational Data and Status

BCT Meeting, March 17, 2009

Table 1: OU2 and Sites 2/12 GWTP Treatment Statistics.

	Volume Treated (gallons)	Average Flow (gpm)	Percent of Time Online	COC Mass Removed (lbs)
OU2				
February 2009	25,960,750	644	100	2.52
Total since October 1995	4.440 billion			619.36
Sites 2/12				
February 2009	7,738,300	192	96	1.15
Total since May 1999	1.184 billion			412.18

Table 2: OU2 and Sites 2/12 GWTP Calendar of Events

Key Events for OU2 and Sites 2/12 for February 2009						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
*18 USAN Notices in February. One of these alerts required the personal attention of the Senior GWTP Operator.						
1	2	3 Installed new well pump at: EW-12-05-180M (Site 12)	4 Installed new well pump at: EW-12-07-180M (Site 12)	5 Installed new OU2 well pumps (-09A and -12A), expansion joints, and relocated isolation valve.	6 Replaced PLC at OU2; Installed a new well pump at: EW-OU2-06-180	7
8	9	10	11	12 LLNL finished auto analyzer installation at the Site 2/12 GWTP.	13	14 Storm knocks out power to Sites 2/12 wells; GWTP shut down.
15 Power to Sites 2/12 reset; GWTP back on-line at 0900.	16	17	18	19	20	21
22	23 Replaced starter motor in EW-OU2-12A to enable sampling.	24 Quarterly ground water sampling event performed at OU2 & Sites 2/12.	25	26	27 Site 12 radio link and landfill wireless comm. installed.	28

Table 3: February 2009 OU2 Analytical Results at TS-OU2-INJ.

COC	Discharge Limit (µg/L)‡	Sample Date / Analytical Results	
		02/09/2009	02/24/2009
1,1-DCA	5.0*	0.40 J	0.47 J
1,2-DCA	0.50	ND	ND
1,2-DCP†	0.50	ND	ND
Benzene	0.50	ND	ND
Carbon Tetrachloride	0.50	ND	ND
Chloroform	2.0*	0.18 J	0.21 J
Cis-1,2-DCE	6.0*	0.51	0.53
Methylene Chloride	0.50	(10) U	ND
PCE	0.50	ND	ND
TCE	0.50	ND	0.10 J
Vinyl Chloride	0.10	ND	ND

Table 4: February 2009 Sites 2/12 Analytical Results at TS-212-INJ.

COC	Discharge Limit (µg/L)‡	Sample Date / Analytical Results
		02/24/2009
1,1-DCE	6.0	ND
1,2-DCA	0.50	ND
1,3-DCP †	0.50	ND
Chloroform	2.0	0.15 J
Cis-1,2 DCE	6.0	0.34 J
PCE	3.0	ND
TCE	5.0	ND
Vinyl Chloride	0.10	ND

NOTES:

- J The analyte was positively identified, but the associated numerical value is an approximate concentration greater than the Method Detection Limit (MDL) but less than the Practical Quantitation Limit (PQL).
- ND The analyte was not detected above MDL.
- * Discharge limits for low carbon affinity compounds were increased to the Aquifer Cleanup Level (ACL).
- ‡ Discharge limits are the ACLs for injection over the plume.
- † The reported value is the sum of both cis- and trans-isomers.
- J± Data are qualified as estimated, with a high (+) or low (-) bias likely to have occurred. False positives or false negatives are unlikely to have been reported.
- U The analyte was not detected above the PQL (in parentheses) which is elevated due to blank contamination.

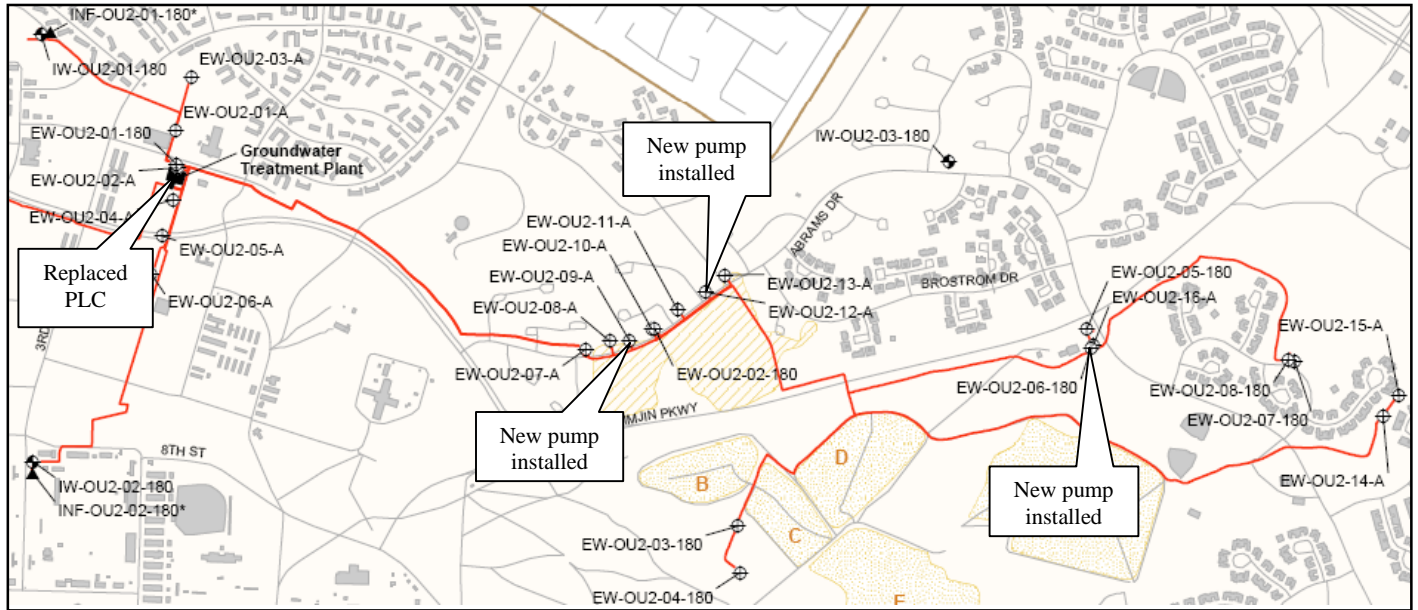


Figure 1: OU2 GWTP Treatment Events February 2009.

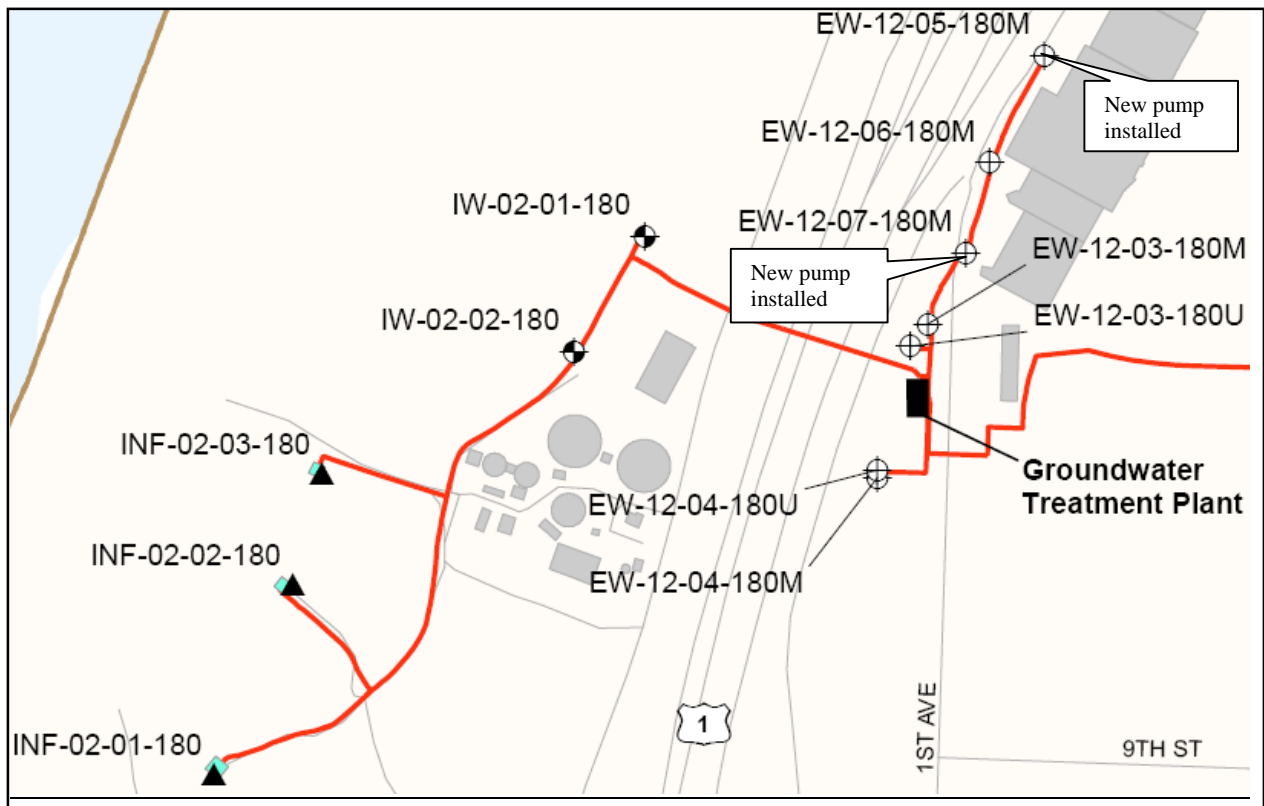


Figure 2: Sites 2/12 GWTP Treatment Events February 2009.



Table 5: February 2009 OU2 and Sites 2/12 Extraction Well Status.

Well Identification	% On	Avg. gpm	Total Gallons	% of Total	Comments	TCE (µg/L) Feb 2009
Site 12 Extraction Wells						
EW-12-05-180M	86.5	58.0	2,338,900	30.2		9.8
EW-12-06-180M	96.4	84.4	3,403,900	44.0		7.8
EW-12-07-180M	60.8	38.9	1,567,800	20.3		3.2
EW-12-03-180U	0	0	0	0	Well offline due to low concentrations	0.21
EW-12-03-180M	15.6	10.6	427,700	5.5		9.0
EW-12-04-180U	0	0	0	0	Well offline due to low concentrations.	1.3
EW-12-04-180M	0	0	0	0	Ceased operating on 11/21/2005.	not sampled
Total 2/12 gallons treated:			7,738,300	100.0		
OU2 Extraction Wells						
Western Network						
EW-OU2-01-A	0	0	0	0.0	Well offline due to low concentrations.	not sampled
EW-OU2-02-A	50.6	28.3	1,140,680	4.4		0.64
EW-OU2-03-A	0	0	0	0.0	Well offline due to low concentrations.	data pending
EW-OU2-04-A	88.3	45.3	1,826,610	7.0		1.3
EW-OU2-05-A	99.8	51.4	2,071,020	8.0		2.3
EW-OU2-06-A	100	37.1	1,494,820	5.8		5.0
EW-OU2-01-180	0	0	0	0.0	No pump in well.	data pending
Total gallons extracted:			6,533,130	25.2		
Eastern Network						
EW-OU2-07-A	0	0	0	0	Well offline due to low concentrations.	ND
EW-OU2-08-A	86.3	24.6	990,420	3.8		1.1
EW-OU2-09-A	66.3	13.6	546,870	2.1		4.5
EW-OU2-10-A	100	20.8	837,100	3.2		3.6
EW-OU2-11-A	4.4	<1	5,550	<0.1	Low flow due to biofouling.	3.0
EW-OU2-12-A	0	0	0	0.0	Well offline due to area construction.	9.4
EW-OU2-13-A	100	30.5	1,230,480	4.7		9.5
EW-OU2-02-180	0	0	0	0	Well offline pending installation of VFD.	1.8
Total gallons extracted:			3,610,420	13.9		
Shoppette						
EW-OU2-05-180	99.9	155.1	6,253,300	24.1		5.4
EW-OU2-06-180	0	0	0	0	Well offline due to pump failure.	2.3
EW-OU2-16-A	99.7	19.2	772,900	3.0		7.9
Total gallons extracted:			7,026,200	27.1		
CSUMB						
EW-OU2-14-A	3.9	<1	36,000	0.1		4.4
EW-OU2-15-A	0.0	0	0	0	Well offline due to low concentrations.	not sampled
Total gallons extracted:			36,000	0.1		
Landfill						
EW-OU2-03-180	99.2	162.8	6,564,000	25.3		22.9
EW-OU2-04-180	0	0	0	0	Well offline due to low concentrations.	0.16
Total gallons extracted:			6,564,000	25.3		
Bunker Hill						
EW-OU2-07-180	0	0	0	0.0	No pump in well.	data pending
EW-OU2-08-180	99.8	54.3	2,191,000	8.4		0.61
Total gallons extracted:			2,191,000	8.4		
Total OU2 gallons treated:			25,960,750	100.0		



Former Fort Ord OU2 and Sites 2/12 Groundwater Treatment Systems Optimization Status Update, March 17, 2009

GWTS Actions

Recently completed:

- Variable Frequency Drives (VFDs) on two wells – EW-12-07-180M and EW-OU2-02-180
- Wireless communications upgrades between GWTPs and EW networks (unlicensed point to point microwave radio links).
- Relocated isolation valves and install expansion joints at Site 2 injection and OU2 injection/infiltration vaults
- OU2 GAC vessel painting
- Backwash tank sediment removal
- LLNL installation of auto analyzer at Sites 2/12 GWTP

In progress:

- Variable Frequency Drives (VFDs) on three wells – EW-OU2-03-180, EW-OU2-05-180 and EW-OU2-06-180
- Site 12 GWTP effluent and OU2 excess pipeline actuated valves
- Replace Eastern Network breaker panel

Modeling

- Evaluate various extraction well operational configurations to optimize capture and mass removal

Documents

Annual Evaluation Report (comments due May 4, 2009)

- Air stripper performance
- Extraction well performance
- Capture analysis
- Recommendations for operational modifications

O&M Manual (comments due March 17, 2009)

SAP (comments due March 17, 2009)

Thermal Treatment Unit Operation Summary

TREATMENT SYSTEM			
Treatment System Start Date:	6/4/2001		
TTU Start Date:	4/4/2006		
Last Reading Date/Time:	3/11/2009 16:00		
Historical through 2008:			
Total TTU Hours:	24,048		
Total TTU Hours Operated:	9,743		
% TTU Operation:	40.5%		
Total Pounds of Methane Removed	1,331,231		
Total Pounds of VOCs Removed (thru 2007)	142		
Current Year 2009:			
Total Hours:	1672		
Total Hours Operated:	575		
% Operation:	34.4%		
Pounds of Methane Removed	22,885		
Cumulative:			
% TTU Operation (since 4/4/2006):	40.1%		
Total Pounds of Methane Removed (since 6/4/2001):	1,354,116		
EXTRACTION SYSTEM (2009)			
Location	Average Methane (%)	Average Flow Rate (scfm)	% Operational
MIXED-TTU	40	97	34.4
Area F			
EW-30	26	16	6.8
EW-31	40	10	27.6
EW-32	42	28	34.4
EW-33	42	34	34.4
EW-34	40	37	34.4
Area D			
EW-35	28	12	34.4

OPERABLE UNIT CARBON TETRACHLORIDE PLUME A-AQUIFER REMEDIAL ACTION

STATUS – March 17, 2009

FIELD WORK

- Installation and development of wells at Areas 1A and 1B complete – January 16
- Well vault and pipeline installation in Preston Park (Area 1B) complete – March 17

SCHEDULE

- Subsequent quarterly monitoring for EISB pilot study conducted under Groundwater Monitoring Program.
- Draft EISB Pilot Study Report (Agency Review) – March 19.
- Draft RA Work Plan/RD (Appendix A – A-Aquifer) – Comments received from DTSC, RWQCB, EPA, FOEJN, and UCSC. RTC submitted for DTSC Comments with additional questions received on February 26. Meeting conducted to discuss DTSC concerns on March 5. Comments on RTC received from DTSC on March 9.
- Well vault and pipeline installation in Deployment Area 1A ongoing.

DATA (Preliminary)

- None

PROBLEMS/CHANGES

- Drill casing locked up while installing injection well IW-BW-90-A (Deployment Area 1A). Approximately 60 feet of drill casing was lost in the boring. Boring (with steel casing) was grouted to ground surface. New well was installed adjacent to proposed location.

OPERABLE UNIT 1 OFF-SITE GROUNDWATER EXTRACTION PILOT STUDY

STATUS – March 17, 2009

FIELD WORK

- Well construction complete – December 21
 - 2 extraction wells
 - 3 monitoring wells
- Draft Final OU1 Pilot Study Work Plan distributed – April 22
- Baseline sampling and analysis – June 14
- System construction completed – July 16
- Monitoring well (City of Marina) installation – July 28
- System start-up – August 5
- Monitoring well (City of Marina) development – August 8
- System switched from generator to permanent power (MCWD) – August 13.
- Extraction Well EW-OU1-92-A shut off – December 11.
- July to September 2008, Quarterly Report Issued – January 20. Comments received from DTSC and FOEJN. Notice from FOEJN that they disagree with system shutdown.
- Field Work Variance issued to document system shut-off – February 16.
- Groundwater extraction system shut off and rebound testing initiated – February 17.

SCHEDULE

- Preliminary Draft Quarterly Report, October to December (USACE review) – March.
- Quarterly sampling of monitoring and extraction wells – March 16.

DATA (Preliminary)

- February analytical results and operating summary.

PROBLEMS/CHANGES

- Treated groundwater is being discharged to a discharge basin within the MCWD property. An injection well was not installed.
- One monitoring well has been installed in the City of Marina to determine the downgradient extent of the plume. Well number and location is based on the decision criteria in the Draft Work Plan.
- Extraction Well EW-OU1-92-A shut off due to concerns of potential impact to OU1 On-Site GWETS plume capture.
- GWETS was shut off and rebound testing initiated because concentrations of TCE in all off-site wells are below Aquifer Cleanup Goals.

**Summary of Operable Unit 1 Process System
Operating Parameters
January 27, 2009 - February 17, 2009**

	Volume Treated (gallons)	Average Flowrate (gallons per minute)	Percent of Month Online	Mass TCE Removed (pounds)	Notes
EW-OU1-92-A					
February 2009	0	0.0	0	0.0000	EW-OU1-92-A taken offline on December 11, 2008 at Army Corp request and was not returned to service based on low TCE concentrations reported for well samples.
Total	3,575,791			0.0501	
EW-OU1-93-A					
February 2009	291,334	9.7	100	0.0052	System shutdown on February 17, 2009, at 14:00 in accordance with approved Field Work Variance TII-137.
Total	2,853,094			0.0895	
System					
February 2009	291,194	9.6	100	0.0052	
Total	6,321,801			0.1306	

Summary of Operable Unit 1 Process System
Trichlorethene Analytical Results

Date	Sample Location				
	Extraction Wells		Granular Activated Carbon Beds		
	OU1PS-EW-92	OU1PS-EW-93	OU1PS-INF	OU1PS-BTW	OU1PS-EFF
August 5, 2008 ^a	1.2 µg/L	14 ^b µg/L			
August 11, 2008 ^a	3.4 µg/L	8.7 ^c µg/L	5.4 µg/L	<0.5 µg/L	<0.5 µg/L
August 18, 2008 ^a	3.7 µg/L	6.1 ^d µg/L	4.7 µg/L	<0.5 µg/L	<0.5 µg/L
August 25, 2008 ^a	3.8 µg/L	not operating	3.6 µg/L	<0.5 µg/L	<0.5 µg/L
September 2, 2008 ^a	3.3 µg/L	6.8 ^e µg/L	4.7 µg/L	<0.5 µg/L	<0.5 µg/L
September 8, 2008 ^a			4.1 µg/L	<0.5 µg/L	<0.5 µg/L
September 15, 2008 ^a	2 µg/L	4.9 ^f µg/L	3.5 µg/L	<0.5 µg/L	<0.5 µg/L
September 22, 2008 ^a	1.4 µg/L	3.4 µg/L	1.3 µg/L	<0.5 µg/L	<0.5 µg/L
September 29, 2008 ^a	1.4 µg/L	3.5 µg/L	1.5 µg/L	<0.5 µg/L	<0.5 µg/L
October 6, 2008 ^a	1.4 µg/L	3.7 µg/L	2.5 µg/L	<0.5 µg/L	<0.5 µg/L
October 13, 2008 ^a	0.98 µg/L	3.7 µg/L	2.0 µg/L	<0.5 µg/L	<0.5 µg/L
October 22, 2008 ^a	0.90 µg/L	2.6 µg/L	1.6 µg/L	<0.5 µg/L	<0.5 µg/L
October 27, 2008	0.68 µg/L	1.9 µg/L	1.2 µg/L	<0.5 µg/L	<0.5 µg/L
November 3, 2008	0.74 µg/L	1.9 µg/L	1.3 µg/L	<0.5 µg/L	<0.5 µg/L
November 17, 2008			1.1 µg/L	<0.5 µg/L	<0.5 µg/L
November 24, 2008			1.2 µg/L	<0.5 µg/L	<0.5 µg/L
December 1, 2008			1.3 µg/L	<0.5 µg/L	<0.5 µg/L
December 8, 2008	0.62 µg/L	2.1 µg/L	1.3 µg/L	<0.5 µg/L	<0.5 µg/L
December 16, 2008			2.8 µg/L	<0.5 µg/L	<0.5 µg/L
December 22, 2008			2.2 µg/L	<0.5 µg/L	<0.5 µg/L
December 29, 2008			2.2 µg/L	<0.5 µg/L	<0.5 µg/L
January 5, 2009			2.1 µg/L	<0.5 µg/L	<0.5 µg/L
January 12, 2009			2.2 µg/L	<0.5 µg/L	<0.5 µg/L
January 19, 2009			2.1 µg/L	<0.5 µg/L	<0.5 µg/L
January 27, 2009			2.2 µg/L	<0.5 µg/L	<0.5 µg/L
February 3, 2009			2.2 µg/L	<0.5 µg/L	<0.5 µg/L
February 10, 2009			2.0 µg/L	<0.5 µg/L	<0.5 µg/L
February 17, 2009	1.3 µg/L	2.1 µg/L	2.2 µg/L	<0.5 µg/L	<0.5 µg/L

^a Low level detections of benzene, bromoform, chloromethane, dibromochloromethane, isopropylbenzene and/or acetone in several samples.

^b additional compounds detected: cis-1,2-dichloroethylene - 0.43J µg/L

^c additional compounds detected: cis-1,2-dichloroethylene - 0.31J µg/L

^d additional compounds detected: cis-1,2-dichloroethylene - 0.21J µg/L

^e additional compounds detected: cis-1,2-dichloroethylene - 0.21J µg/L

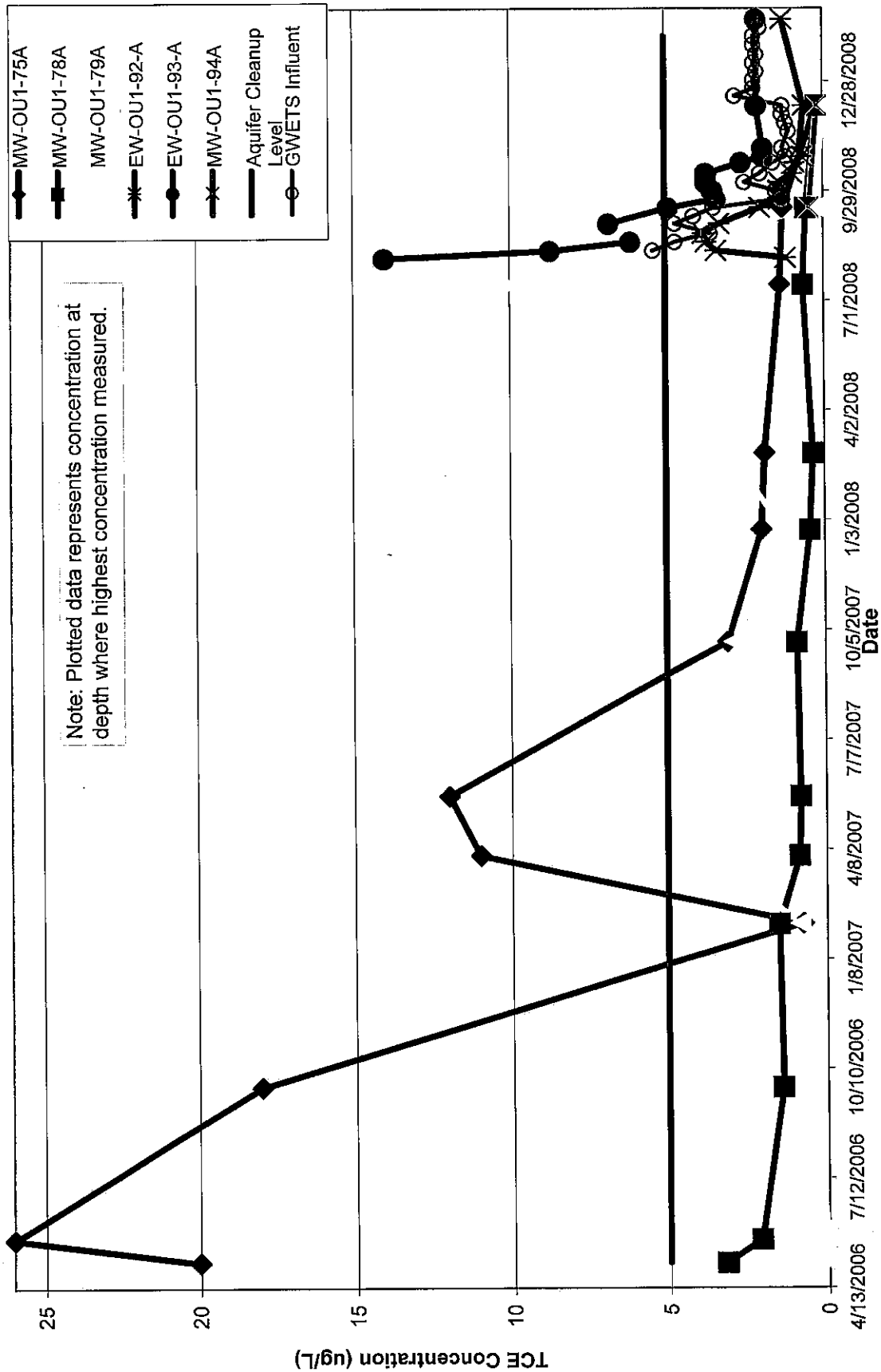
^f additional compounds detected: cis-1,2-dichloroethylene - 0.26J µg/L

Detections are shown in bold.

µg/L denotes micrograms per liter.

Data qualified as "J" is estimated.

Change in TCE Concentration Over Time OU1 Off-Site Wells



HGL AGENDA & NOTES

Fort Ord HTW BCT Meeting
1:00 PM, 17 March 2009
Monterey, California

1. Groundwater Remediation System Update

The Northwest Treatment System (NWTS) has operated continuously since the last update at the BCT meeting on 18 February 2009. Total volume pumped through 09 March 2009 is 87,071,300 gallons. The average weekly treatment rate (84.2 gallons per minute) over the last three weeks has been very stable and ranged between 83.0 gallons per minute and 85.3 gallons per minute. Through 09 March, 2009, the NWTS has removed approximately 3.45 pounds (0.28 gallons) of TCE and 0.3 pounds (0.03 gallons) of cis-1,2-DCE.

The routine bi-monthly performance samples from the treatment system and extraction wells were collected on 11 March 2009. Results are not yet available. TCE and cis-1,2-DCE concentrations reported in 2008 – 2009 for all extraction wells are summarized in Table 1.

2. Long Term Monitoring Update

1st Quarter 2009 LTM samples were collected during the week of 09 – 13 March (last week). The first quarter sampling includes those monitoring wells sampled on semi-annual and quarterly frequencies. Preliminary results are not yet available.

3. Report Submittals

The 2008 quarterly (1st and 3rd) and 2007 Annual LTM reports are in preparation. These reports are secondary deliverables. To provide the most current validated data to the BCT in a timely manner, HGL proposes to submit the LTM reports in the following sequence:

The 2008 Third Quarter LTM Report (July – September) was submitted on 10 March 2009. Additional LTM Reports are scheduled as follows:

Draft 2008 Annual and Fourth Quarter Report:	March 2009
2008 First Quarter LTM Report:	April 2009
2007 Annual and Fourth Quarter Report:	April 2009
2009 First Quarter LTM Report:	June 2009

During the May 2006 BCT meeting it was agreed that comments on the 1st – 3rd Quarter Reports would be addressed in the Annual and 4th Quarter Report. The above sequence for the 2007 and 2008 reports was discussed and agreed upon during the February BCT meeting. The agreed submission schedule, however, inadvertently disrupts the comment response timetable previously adopted for the 1st – 3rd Quarter Reports. At present, agency comments have been received for only the 2nd Quarter 2008 LTM Report. We propose to address agency comments regarding the 1st – 3rd Quarter 2008 LTM reports according to the following timetable:

2008 First Quarter LTM Report:	included in Final 2008 Annual and Fourth Quarter Report
2008 Second Quarter LTM Report:	included in Draft 2008 Annual and Fourth Quarter Report
2008 Third Quarter LTM Report:	included in Final 2008 Annual and Fourth Quarter Report

The proposed comment resolution schedule will provide the most current analytical results and data interpretations for agency review as soon as possible while still providing rapid resolution of comments made on the various quarterly reports.

Please note that the Draft 2008 Annual and Fourth Quarter Report will include recommended modifications to the LTM sampling program to take effect in June 2009. We plan to discuss these modifications at the April and May BCT meetings, as necessary, to finalize the 2009 LTM program before the scheduled 2nd Quarter field effort (in June).

A letter indicating that the DTSC comments on the Final Hydraulic Control Pilot Project Construction Report have been resolved will be submitted upon confirmation that no further edits are needed to the water level contour map showing the concurrent on- and off-Post OU-1 plume. This water level contour map was provided to the DTSC by the Army.

Table 1

TCE and Cis-1,2-DCE in OU-1 FONR Groundwater Remediation System - Performance Monitoring

BCT Meeting for Former Fort Ord, Marina CA - 17 March 2009

Sample Date	Extraction Well								NWTS		
	Began Operation October 2007				Began Operation July 2006				INFLUENT	MIDPOINT	EFFLUENT
	MW-87	EW-71	MW-85	MW-46AD	EW-60	EW-62	EW-63	EW-66			
TCE (µg/L)											
11/9/2007	16	13	19	14	ND	ND	ND	1.7	11	ND	ND
1/18/2008	11	11	8.9	8.2	ND	ND	ND	1.2	6.0	ND	ND
3/18/2008	11	14	6.7	5.8	0.29	ND	ND	1.5	5.6	ND	ND
5/27/2008	9.7	18	2.5	6.1	ND	ND	ND	1.8	3.9	ND	ND
7/21/2008	9.1	14	4.4	3.4	0.78	ND	ND	1.4	3.6	ND	ND
9/29/2008	9.3	15	4.3	2.9	0.90	ND	ND	1.7	3.8	0.19	ND
12/1/2008	5.8	11	2.6	1.6	0.82	ND	ND	0.91	2.7	0.35	ND
1/26/2009	5.9	10	2.2	1.2	0.48	ND	ND	0.78	2.4	ND	ND
cis-1,2-DCE (µg/L)											
11/9/2007	1.9	1.6	2.3	1.70	ND	ND	ND	ND	1.3	ND	ND
1/18/2008	1.20	1.40	1.00	1.20	ND	ND	ND	0.11	0.66	ND	ND
3/18/2008	1.20	1.50	0.74	0.63	ND	ND	ND	ND	0.59	0.11	ND
5/27/2008	0.88	2.10	0.26	0.74	ND	ND	ND	ND	0.36	0.21	ND
7/21/2008	0.80	1.50	0.52	0.37	ND	ND	ND	ND	0.41	0.34	ND
9/29/2008	0.99	1.60	0.54	0.30	ND	ND	ND	0.13	0.42	0.42	0.12
12/1/2008	0.67	1.30	0.33	0.21	ND	ND	ND	ND	0.27	0.37	0.19
1/26/2009	0.63	1.20	0.29	0.12	ND	ND	ND	ND	0.26	0.24	ND
italics indicate data not yet validated											
Bold font indicates concentration > ACL											