



**Final
Hazardous and Toxic Waste (HTW) Base Realignment
and Closure (BRAC) Cleanup Team (BCT)**



Meeting Minutes

August 15, 2018

BRAC Conference Room
Former Fort Ord, California

Agenda

Reference the handout titled "HTW BRAC Cleanup Team Meeting Agenda, Wednesday August 15, 2018 at 1:30 PM, Former Fort Ord, California."

1. Attendance

Last Name	First Name	Organization	By Phone
Anderson	Thor	Burleson Consulting	
Arsov	Vlado	California Department of Toxic Substances Control (DTSC)	
Balch	Duane	U.S. Army Corps of Engineers (USACE)	
Broadston	Melissa	Chenega supporting BRAC	
Caruso	Erin	Gilbane	
Clancy	Maeve	U.S. Environmental Protection Agency (USEPA)	
Collins	Bill	U.S. Army Base Realignment and Closure (BRAC), Fort Ord Office	
Crane	Steve	KEMRON Environmental Services (KEMRON)	
Dillon	Holly	Ahtna Environmental, Inc. (Ahtna)	
Fenton	Jeff	Wood Environment & Infrastructure Solutions, Inc. (wood.)	X
Gentry	Dana	USACE	
Gettmann	Kimberly	DTSC	X
Ghigliotto	Tom	Chenega supporting BRAC	X
Kan	Alex	USACE	
Kowalski	Bart	Chenega supporting BRAC	
Lieberman	Derek	Ahtna	
Meakes	Charity	USACE	X
Schrum	Noel	DTSC	X
Sellinger	Amber	California Regional Water Quality Control Board, Central Coast Region (CCRWQCB)	X
Sterling	Steve	DTSC	X
Stiebel	Cary	Chenega supporting BRAC	
Wu	Min	DTSC	

2. BCT Minutes Status

Hazardous and Toxic Waste (HTW) Base Realignment and Closure (BRAC) BRAC Cleanup Team (BCT) meeting minutes are final through June 2018. The HTW meeting minutes often restate what is already provided in the meeting handouts, which are also available for the public to download online through the Administrative Record. USACE proposed to reference the meeting handouts in the meeting minutes

rather than restate the contents. The regulatory agencies agreed with this change and the new format will be implemented starting with the August 15, 2018 HTW BCT meeting minutes.

3. Community Outreach Update

The handout titled “U.S. Army Community Outreach Update” was reviewed. The Annual Report will be sent out at the end of the month to approximately 65,000 addresses from Carmel to Marina, which is a newspaper type report of cleanup activities and describes the prescribed burn program.

4. Operable Unit 2 (OU2)

a. Groundwater Remedy/Monitoring –

The handout titled “Former Fort Ord Operable Unit 2 Data and Status” was reviewed. Additional discussion included:

- The monitoring well MW-OU2-42-180 that was damaged by Marina Coast Water District (MCWD) construction activities was located and the surface completion redone. The total depth of the well should be 169 feet below ground surface (bgs), but after the surface completion was redone by MCWD, the total depth was measured at 118 feet bgs. This indicates there is a blockage in the well above the screen interval. MCWD will attempt to redevelop MW-OU2-42-180. The depth to water at this location is critical for the groundwater monitoring program because there are no nearby Upper 180-Foot Aquifer monitoring wells.
- The well installation and decommissioning program will begin next week.

b. Treated Water Reuse – 111,000 gallons of treated water was used in July by KEMRON and Burleson for the prescribed burn program and an irrigation project, respectively. If the existing OU2 GWTP is shut down for the transition period, it is unlikely that the new OU2 GWTP would be able to provide treated water and Burleson would have to use potable water to complete the irrigation project.

c. Groundwater Treatment Plant Relocation – Construction of the new OU2 GWTP is in progress. The following items were discussed:

- The 4-6 week transition period is scheduled to begin next week on August 20, 2018. A meeting was held last week with all of the contractors and subcontractors.
- The pump test plan was reviewed.
- The GWTP construction activities in progress are painting, sheetrock, and fire suppression system.

d. Landfills Operations and Maintenance (O&M) – The handout titled “Thermal Treatment Unit Operations Summary 2006-2018” was reviewed. Additional discussion included:

- Methane concentrations at the TTU influent during the last operational cycle decreased to 35 percent, significantly less compared to average operations in the last several years. This was likely due to increased operational time over the last two operational cycles. Normal operations have been 60-70 hours every other week, but the last two events were 70-80 hours every other week. The TTU was offline during a normally scheduled operational cycle last week to allow methane concentrations to recover to the normal 37-38 percent range. It is estimated that supplemental fuel will not be needed until the year 2045.
- Erosion mitigation installed last year has been holding up and during the upcoming wet season it will continue to be monitored.
- The Landfills is undergoing an integrated pest management approach. More raptor perches were installed on existing bollards and have been successful in increasing raptor activity.

5. Sites 2 and 12 (Sites 2/12)

The handout titled “Former Fort Ord Sites 2 and 12 Data and Status” was reviewed. Additional discussion included:

- Second Quarter 2018 groundwater monitoring results show that only one location, extraction well EW-12-08-180U, is above the aquifer cleanup level for tetrachloroethene. It is estimated that Sites 2/12 may reach the remedial action objectives as soon as December 2019.

6. Operable Unit Carbon Tetrachloride Plume (OUCTP)

a. Groundwater Remedy/Monitoring –

The handout titled “Former Fort Ord Operable Unit Carbon Tetrachloride Plume Data and Status” was reviewed. Additional discussion included:

- Upper 180-Foot extraction well EW-OU2-09-180 was offline on August 3, 2018 and the repair was completed.
- The well installation and decommissioning program will begin next week.
- The OUCTP A-Aquifer results table in the handout contains data for chemicals of concern (COCs) carbon tetrachloride (CT), chloroform, and trichloroethene (TCE). However, CT is the only COC in the OUCTP A-Aquifer with consistent detections above its aquifer cleanup level (ACL). Therefore, it was proposed that the table in future handouts only present CT data for select monitoring wells. The regulatory agencies agreed to this change as long as any ACL exceedances of other COCs are mentioned if that occurs.
- The OUCTP A-Aquifer CT plume has become seasonal, with the central portion of the plume around MW-BW-36-A going above and below the ACL and an apparent seasonal shift in the plume extent.
- CT is above the ACL at OUCTP Upper 180-Foot Aquifer monitoring well MW-OU2-67-180. New monitoring wells will be installed north of this area.
- The Lower 180-Foot Aquifer CT and TCE concentrations have been similar to previous results and are monitored due to downgradient supply wells.

7. Basewide Range Assessment (BRA) and Lead Evaluation Status

The handout titled “BRA and Lead Evaluation Status Fort Ord HTW IPM 13 August 2018” was reviewed. Additional discussion included:

Lead Evaluation at HA 18D and HA 23D – The DTSC lead regulation package is in review and comments are due in the beginning of September. Then they will meet and put the new lead regulation number in the record to become effective.

Erosion Control – HA 34 will receive chipped vegetation from the prescribed burn preparations that can be used for erosion control. The site will be assessed for any pre-winter erosion control needs.

Landfill Soil Management – Two more loads of soil from the MCWD recycled water pipeline project are expected and then a composite sample will be collected.

Habitat Restoration – The handout titled “Site 39 Inland Ranges Habitat Restoration Status Update” was reviewed. Additional discussion included:

- The next monitoring event will be survivorship surveys in October.
- Erosion control activities will be assessed and work will begin this week or next week including mainly hand work and shovel work.
- The irrigation system at HA 26 had its 6th irrigation event last week with 9,000 gallons of treated water from the OU2 GWTP used. The 6th event went well occurring only over one day. A total of

57,000 gallons of has been used to date. To get at least 2 gallons of water to each plant the amount of water per event increased to 9,000 gallons because the irrigation system is not balanced between each plant.

8. FFA Schedule

Status Update – The Federal Facility Agreement (FFA) schedule is provided to the agencies with the upcoming primary documents with the month the Draft and Draft Final versions will be issued. Draft versions have a 60-day review period and Draft Final versions have a 30-day review period. There are no primary documents currently.

Document Schedule – The handout titled “05 July 2018 HTW IPM Deliverable Schedule” was reviewed and short term documents were identified.

9. Action Items

The handout titled “HTW BCT 2018 Action Items” was reviewed; there were no changes or additions.

10. Calendar Update

The calendar was reviewed for upcoming HTW IPM and BCT meeting dates and times; there were no changes or additions.