



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

Meeting Minutes

June 19, 2019

BRAC Conference Room
Former Fort Ord, California



Agenda

Reference the handout titled "HTW BRAC Cleanup Team Meeting Agenda, Wednesday June 19, 2019 at 1:30 PM, Former Fort Ord, California."

1. Attendance

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

2. BCT Minutes Status

Hazardous and Toxic Waste (HTW) Base Realignment and Closure (BRAC) Cleanup Team (BCT) meeting minutes are final through February 2019.

3. Community Outreach Update

The handout titled “U.S. Army Community Outreach Update” was reviewed. Additional discussion included:

- The Annual Report will be issued in July and will be sent out to approximately 65,000 addresses.
- The 2019 community survey is in progress online through the end of August.
- Community member Lorna Moffat called Melissa and wanted to suggest a remediation method of yeast for lead cleanup that was used in the Berkeley Pit by Dr. Adrienne Steele.
- Pictures were shared of the recent community outreach event held on May 10 at the Presidio of Monterey (POM) Language Day.
- The July Community Involvement Mobile Workshop (CIW) will focus on munitions, prescribed burns, and habitat restoration. The posters for soil and groundwater cleanup activities will also be available. There will be four buses available to transport approximately 200 people.
- There are several community responses to comments in progress on several documents.

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 OU2 groundwater treatment plant (GWTP) was online 99 percent of the time in May.
- There were two injection point of compliance samples collected in May and all chemicals of concern (COCs) were not detected.
- There were a few short shutdown periods for communications issues and minor repairs.
- In mid-May the old GWTP site was regraded and compacted. The RORE Innovative Solutions Joint Venture (JV) is waiting for seed mixture to be ready to re-seed the area.
- The Eastern Network was down on May 29 for planned electrical work and EW-OU2-02-180R would not restart due to a programmable logic controller (PLC) issue. However, the well has since been restarted.
- The Second Quarter 2019 preliminary groundwater monitoring results were shared for available data. There has been a general decline in COC concentrations likely due to seasonal shifts.

b. Treated Water Reuse – No treated water was used recently. Burluson is starting their irrigation project. Once the new OU2 GWTP is completed, hope to get treated water reuse started soon.

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

- The western network remains offline. The JV sent a request for information (RFI) to USACE to determine how to operate the leak detection system in order to get the western network online.
- This week the JV and its subcontractors are hosting training programs for USACE and Ahtna on operations and components of the new OU2 GWTP.

d. Landfills Operations and Maintenance (O&M) – The handout titled “Former Fort Ord Operable Unit 2 Landfills Data and Status” was reviewed. Additional discussion included:

- A photo was shared of the Second Quarter 2019 annual soil gas monitoring event. The annual event includes volatile organic compound (VOC) sampling and thermal treatment unit (TTU) source testing.
- The TTU was also inspected and had a few maintenance and repair items completed this month, including replacement of valve actuators and a blower motor.

- The TTU has been operating normally approximately 70-80 hours every two weeks.
- The vegetative cover will be mowed this month.
- The next annual report will change for the Landfills. Previously, OU2 Landfills reporting was a separate calendar year annual report. Starting this year, the OU2 Landfills report will be combined with the annual OU2 groundwater monitoring and treatment system report. This combined report will be on a Federal fiscal year schedule and issued after the Third Quarter events covering activities from October through September. The agencies did not have any comment on this change in reporting.

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:

- The Sites 2/12 GWTP was operable 96 percent in May which is above the 95 percent goal.
- The Sites 2/12 soil vapor treatment unit (SVTU) remains offline for the rebound study.
- The Sites 2/12 GWTP injection point of compliance sample was collected in May and most COCs were not detected with small concentrations of PCE and TCE lower than their discharge limits.
- Sites 2/12 GWTP downtime were due to shutdowns at OU2 since they are interconnected.
- There was a leak at Sites 2/12 effluent pipe which was repaired.
- The Second Quarter soil gas monitoring and groundwater monitoring events were completed.
- A granular activated carbon (GAC) change-out occurred in June.
- Second Quarter 2019 soil gas monitoring data was presented.
 - Soil vapor extraction (SVE) wells VE-12-06 and VE-12-09 are within the vicinity of the PCE groundwater plume above the aquifer cleanup level (ACL).
 - PCE and TCE were not detected at VE-12-06.
 - PCE was detected at VE-12-09 at a concentration below the soil gas screening level (SG-SL).
 - The time concentrations plots for VE-12-06 and VE-12-09 show that PCE concentrations dropped off quickly after SVTU operations began in 2015.
 - Soil gas probe data for the Second Quarter 2019 was similar to the First Quarter 2019.
 - SG-12-02-10 (adjacent to Target) PCE concentration increased back up to the historical concentration range after a decrease in the First Quarter 2019.
 - SG-12-04-10 (by Bed Bath & Beyond) had TCE concentration increase and PCE concentration decrease.
 - Text from Quality Assurance Project Plan (QAPP) decision criteria was shared and it was recommended to keep the SVTU offline because there was no significant rebound observed and there is no longer an impact to the groundwater plume. Soil gas concentrations will continue to be monitored per QAPP decision criteria.
 - The rebound study will be described in the Second Quarter groundwater monitoring report, which is only issued once as a final document.
 - The SVTU will be mothballed, but able to be restarted if needed.
 - The CCRWQCB is ok with keeping the SVTU offline.
 - DTSC requested an e-mail with further information before they will comment.
 - The USEPA is concerned with potential rebound at SG-12-02, but because this area is not within the SVE capture area due to the adjacent stormwater infiltration basin, the USEPA is ok with leaving the SVTU offline at this time.
- Preliminary Second Quarter 2019 groundwater data was presented. PCE decreased at MW-12-20-180U below the ACL. The PCE concentration chart for MW-12-20-180U has an overall declining trend, but no trend is observable at the extraction well EW-12-08-180U.

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:

- A photo was shared from the January relocation of the Enhanced in situ Bioremediation (EISB) Deployment Area 3A treatment unit to the OU2 Landfills.
- The follow-up biological monitoring of Monterey spineflower was completed in May and sand gilia was completed in April. The Biological Survey Report will be sent out soon.
- No results yet for the Second Quarter 2019 groundwater monitoring event.
- An optimization meeting was held yesterday and expansion of the OUCTP remedy was discussed and will be presented to the BCT in the future if plans develop.

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

The handout titled “BRA and Lead Evaluation Status” was reviewed. Additional discussion included:

a. Basewide Range Assessment (BRA) –

- Responses to DTSC comments on the Draft Final Units 1, 2, 3, 7, 10, 33, and Watkins Gate Burn Area Sampling Report are in progress, still reviewing some USACE edits which are almost complete. Still need to discuss with DTSC and USEPA the Unit 33 cleanup area and approach.
- Comprehensive BRA report will be issued as final this month. It will be a large document presenting updates of data presented in previous reports. The previous version of the report is from 2012.
- The Preliminary Draft BLM Area B report describing site reconnaissance activities in accessible areas in January was reviewed and responses to USACE comments are progress.
- Small arms spent ammunition is being picked up at the Fort Ord Dunes State Park by California State Parks and Recreation personnel. Tom Ghigliotto with Chenega retrieves the bullets and stores at the OU2 Landfills for future disposal. Tom received seven buckets of bullets today. Once the Landfills are capped alternate disposal of bullets will have to be determined.

b. Lead Evaluation at HA 18D and HA 23D –

HA 18D and 23D cleanup is on hold pending internal DTSC discussion on the Lead Spread model. Kim Gettmann with DTSC said that personnel on have been out of the office lately and discussion should pick up next month once everyone is back and up to speed.

c. Erosion Control –

Site 39 and HAs are being monitored for erosion issues. Minor erosion cleanup will be conducted in summer before next rainy season.

d. Landfills Soil Management –

- Building demolition is completed and debris was moved out of the impact area and up to the OU2 Landfills with a temporary clean soil cover in place.
- Munitions work in Range 48 starts soon. Debris will be brought to the OU2 Landfills and it will be coordinate later in July.
- Target scrap metal will be brought to the OU2 Landfills. If there are small arms that are certified they will go to the OU2 Landfills.

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

- Propagation continues for a target of 3,600 plants, for 3.1 acres restored at six sites.
- Monitoring season is in progress including HMP Annuals and photo points which are completed. Vegetative cover and species richness in progress at 19 sites. The plants survived the first heat wave, where Carmel Highland 10 miles inland was 100 degrees Fahrenheit. There was no loss of plants. Seed ripening has advanced in the heat and four species were collected with the fifth starting soon.
- The HA 26 irrigation system was expanded with 500 more emitters. May 29 was the first irrigation event with 6,000 gallons of water. Repairs were needed due to lines being chewed by coyotes. Yesterday was the second irrigation event with 6,000 gallons. Plan to irrigate 10 times every two weeks. Next event will be after 4th of July.

8. FFA Schedule

a. 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.

b. Document Schedule – The handout titled “19 June 2019 HTW BCT Deliverable Schedule” was reviewed and near-term documents were identified.

9. Action Items

The handout titled “HTW BCT 2019 Action Items” was reviewed.

- For action item #2, USEPA had a meeting yesterday regarding strategy for deletion from the National Priorities List (NPL). A summary write-up and reference document for cleanup status would be helpful to facilitate partial deletion. NPL deletion can take 90 days to draft the report and then another 60 days for agencies to review per the FFA. Higher level review would be needed, so when posted to the Federal Register review can go faster. State concurrence from DTSC and CCRWQCB would be good to know sooner rather than later, and whichever agency is the voice of the state is fine for NPL deletion. Sites proposed for deletion are surface soil, MEC, and maybe Operable Unit 1 (OU1) groundwater. Therefore, the CCRWQCB may not need to participate. The goal is to complete the NPL partial deletion by June 2020 when the Fort Ord Reuse Authority (FORA) dissolves.
- For action item #5, if Kim Gettmann of DTSC has lead info, she will also send to Bridget Floyd with USACE in case Alex is out of the office while on paternity leave (baby due in two weeks). Bridget will be taking over while Alex is on leave.
- For action item #6, MW-OU2-28-400 sampling was completed June 7th.

10. Calendar Update

The July HTW BCT meeting is scheduled for July 12 at 1:30 pm. The CIW meeting is scheduled for July 13 at 10 am. The TRC meeting is scheduled for July 16 at 10 am. The August HTW BCT meeting is scheduled for August 21 at 1:30 pm. The September HTW BCT meeting is scheduled for September 11 at 1:30 pm.