



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



**Meeting Minutes
September 12, 2018**

BRAC Conference Room
Former Fort Ord, California

Agenda

Reference the handout titled "HTW BRAC Cleanup Team Meeting Agenda, Wednesday September 12, 2018 at 1:30 PM, Former Fort Ord, California."

1. Attendance

Last Name	First Name	Company Name	By Phone
Anderson	Thor	Burleson Consulting	
Broadston	Melissa	Chenega supporting BRAC	
Caruso	Erin	Gilbane	X
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	U.S. Army Corps of Engineers (USACE)	X
Gettmann	Kimberly	California Department of Toxic Substances Control (DTSC)	X
Ghigliotto	Tom	Chenega supporting BRAC	
Ginorio-Dean	Amber	USACE	X
Kan	Alex	USACE	
Kowalski	Bart	Chenega supporting BRAC	
Lieberman	Derek	Ahtna	
McNeill	Bonnie	USACE	X
Meakes	Charity	USACE	X
Savage	Tom	USACE	X
Schrum	Noel	DTSC	X
Sellinger	Amber	California Regional Water Quality Control Board, Central Coast Region (CCRWQCB)	X
Soderberg	Sheila	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) Cleanup Team (BCT) meeting minutes are final through June 2018.

3. Community Outreach Update

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

- The Annual Report was issued to approximately 65,000 addresses from Carmel to Marina. The Annual Report is a newspaper type report of cleanup activities and describes the prescribed burn program. Public comments have been received about the Annual Report, one of which was confused if it was old due to the 2017 date on the report. In future reports the year will be removed to reduce confusion.
- One public inquiry was received regarding the well installation and decommissioning fact sheet that was distributed by Residential Alliance to the residents in the CSUMB housing area. The person inquired why there were wells being removed and installed in the same area on Abrams Drive. Derek and Alex were able to answer his questions satisfactorily.

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 new OU2 A-Aquifer well MW-OU2-83-A will be installed next week.
- The Draft perfluorooctanoic acid (PFOA) / perfluorooctane sulfonate (PFOS) Quality Assurance Project Plan (QAPP) will be issued in the next few weeks to describe sampling activities that will occur in the Fourth Quarter 2018 groundwater monitoring event in the second week of December. A Fort Ord Basewide review for potential PFOA/PFOS sources will also be conducted concurrently with the sampling at OU2. USACE asked the agencies if they prefer the Basewide review and the OU2 PFOA/PFOS screening results reports to be separate or combined. The CCRWQCB and DTSC agreed a combined report would be acceptable; the USEPA representative was not present at the meeting to confirm.
- The monitoring well MW-OU2-42-180 that Marina Coast Water District damaged during construction activities was not able to be developed properly. There is still blockage in the well above the screen. A video log was also attempted and the video was cloudy and inconclusive. A video log will be attempted again this week.

b. Treated Water Reuse – Burleson used 24,000 gallons of treated water in August for the irrigation project. A total 1.726 million gallons of treated water was used since tracking began. Burleson will collect treated water from the existing GWTP two more times, and then treated water will be used from the new GWTP in 2019.

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

- The sequence of activities was changed to align with the contract and limit government risk. The transition period was scheduled to begin August 20, 2018 but was delayed to allow for pump testing to occur, which is being conducted now. The transition period is now scheduled to begin October 8, 2018. The transition period will be minimized to four weeks in duration.
- The new GWTP had the flooring installed and painting was completed. The new GWTP will undergo hydrostatic testing to ensure that it is operable.

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:

- Additional raptor perches were installed on Areas B, D, and E and will be installed to reach the recommended density of 10 perches for every 4 acres, which is approximately 30 total perches for the OU2 Landfills. The perches have been successful with increasing raptor activity at the OU2 Landfills. Two pictures were shown of a red tail hawk launching from a perch and a red tail hawk flying off with a squirrel in its talons.
- Quarterly perimeter probe monitoring is being done today.
- The quarterly County inspection is scheduled for September 17.
- 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 to allow methane concentrations to recover to the normal 37-38 percent range. The TTU was operated last week and the methane will be updated at the next BCT meeting.
- State Parks has removed 940 pounds of spent bullets from Fort Ord Dunes State Park and turned them over to the Army for disposal in the OU2 Landfills. This information will be included in the annual Landfills report which will be issued Final in April 2019.

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:

- Third Quarter 2018 soil gas monitoring results show that no locations are above soil gas cleanup levels (SGCLs).
 - The probe in front of Michaels SG-12-01 has been below the soil gas screening level (SG-SL) for tetrachloroethene (PCE) since 2017.
 - The probe in front of Target SG-12-02 has concentrations above the SG-SL for PCE. This probe is on the opposite side of the stormwater infiltration basin and is therefore not as affected by the soil vapor extraction and treatment system (SVETS).
 - The southern probe SG-12-16 had slight rebound of trichloroethene (TCE) but still below the SG-SL.
 - The probe in the eastern side of the Kohl’s parking lot SG-12-20 had some rebound in 2016 during the northern rebound study, which has stabilized since then.
 - The next Quality Assurance Project Plan (QAPP) will present the updated soil gas sampling program based on these results.
 - The soil vapor treatment unit (SVTU) effluent is still within the Air District permit requirements.
- Only one soil vapor extraction (SVE) well, VE-12-09, is online due to groundwater PCE concentrations above the ACL. Third Quarter 2018 groundwater data is not available yet.

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 and the repair was completed August 21. The JV shut off power to the well August 20 to install new conductor. The conductor was inspected and EW-OU2-09-180 was restarted.

- New Upper 180-Foot Aquifer monitoring wells MW-BW-57-180 and MW-BW-58-180 were installed and installation of the new Lower 180-Foot Aquifer monitoring well MW-BW-59-180 is in progress. Three new A-Aquifer wells will also be installed. All six new wells will be developed and sampled in the Fourth Quarter 2018 groundwater monitoring event.
- In 2019 more monitoring wells and old soil gas probes will be decommissioned in the OUCTP Enhanced in situ bioremediation (EISB) Deployment Areas 1A and 1B near the athletic fields in Preston Park.

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

The handout titled “BRA and Lead Evaluation Status Fort Ord HTW BCT 12 September 2018” was reviewed. Additional discussion included:

a. Basewide Range Assessment –

- Comments were due on September 10 for the Unit 33 Addendum for seven additional samples to better characterize the remediation area. Comments were received from DTSC and a meeting will be held to discuss the area-weighted average calculation and the polygons. DTSC ok with proceeding with sampling and discuss the polygons and calculation at a later date. DTSC concerned the current polygons may be diluting a higher concentration area to get below the cleanup level.

b. Lead Evaluation at HA 18D and HA 23D – The DTSC lead regulation has become effective and Erin will forward the new rule to USACE for use in future discussion about HA 18D and 23D.

c. Erosion Control – A meeting was held about erosion control work to be completed before the winter season and work began at HA 27, 28, and 34.

d. Landfill Soil Management – One more load of soil is expected from the MCWD recycled water pipeline project and then a final composite sample will be collected. MCWD was told that Friday is the last day they can deliver soil. A total of 4,770 cubic yards was brought to the OU2 Landfills from the MCWD project. 1,280 cubic yards have not been sampled yet.

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

- The plant inventory has more quantity than the targeted amount of plants and has met all species specific targets. The plants are growing larger and being transferred to larger containers to establish deeper roots, which will allow the plants to become more robust for winter installation to revegetate 3.3 acres.
- Erosion control activities began at HA 34, 36, and 37 including collapsing rills, placing mulch, re-aligning water bars with the rip-rap swales to divert water into channels.
- The irrigation system at HA 26 had its 7th irrigation event last week with 9,000 gallons of treated water from the OU2 GWTP used. Two more events will occur: one in September and one in October using 6,000-10,000 gallons of water for each event.

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 “12 September 2018 HTW BCT Deliverable Schedule” was reviewed and near term document issue dates 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 BCT meeting dates and times; there were no changes or additions. The HTW BCT meeting on November 14, 2018 at 1:30 PM in the BRAC Conference room was confirmed.