



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



Meeting Minutes

October 10, 2018

BRAC Conference Room
Former Fort Ord, California

Agenda

Reference the handout titled "HTW BRAC Cleanup Team Meeting Agenda, Wednesday October 10, 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)	
Broadston	Melissa	Chenega supporting BRAC	
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	
Crane	Steve	KEMRON Environmental Services (KEMRON)	X
Dillon	Holly	Ahtna Environmental, Inc. (Ahtna)	
Fenton	Jeff	Wood Environment & Infrastructure Solutions, Inc. (wood.)	X
Gettmann	Kimberly	California Department of Toxic Substances Control (DTSC)	X
Ghigliotto	Tom	Chenega supporting BRAC	X
Ginorio-Dean	Amber	U.S. Army Corps of Engineers (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
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	

Last Name	First Name	Organization	By Phone
Whipple	Jonathan	USACE	X
Wu	Min	DTSC	

2. BCT Minutes Status

Hazardous and Toxic Waste (HTW) Base Realignment and Closure (BRAC) Internal Progress Meeting (IPM) and 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 community survey has been reduced with the help of the agencies.
- A community member, Colin Gremillion, had asked several questions about well installation and decommissioning activities occurring in the CSUMB housing area. USACE and Ahtna provided answers to the questions that appeared to address Mr. Gremillion’s concerns.
- The 2017 annual report included information about the owl nest boxes installed at the Landfills. A community member had expressed concern that the boxes were being used to capture and kill the owls. She was assured this was not the case and the boxes are being used to attract owls for rodent control.
- Mike Weaver had requested extensions on the review periods for two documents. One was granted, but it is recommended his request regarding the draft perfluorooctanoic acid and perfluorooctane sulfonate (PFOA/PFOS) Quality Assurance Project Plan (QAPP) be denied because the sampling event is scheduled to start on December 10 and extending the comment period could threaten this.

5. 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 transition period for the new OU2 groundwater treatment plant (GWTP) will begin October 12, 2018 and the power at the existing OU2 GWTP will be cut at 8:00 am. The Ahtna Marina office adjacent to the existing OU2 GWTP will still be operating under generator power starting October 16. The transition period is expected to last four to six weeks.
- The Draft PFOA/PFOS QAPP comments are due on October 29. Maeve Clancy with the USEPA mentioned the new Army guidance on PFOA/PFOS that is dated September 4, 2018 and outlines sampling for 14 per- and polyfluoroalkyl substances (PFAS). DTSC, USEPA, and CCRWQCB wanted to know if Army still plans to sample for only PFOA and PFOS at OU2 or to expand it to the 14 PFAS analytes listed in the new guidance.
 - Kim Gettmann with DTSC has noticed that other Department of Defense (DoD) sites have been analyzing for the 14 PFAS compounds listed in the guidance. However, only PFOA and PFOS and the combination of the two have screening levels, the other compounds are only analyzed for detected or not detected and results will be used for future comparison if screening levels are established for these compounds.
 - The current PFOA/PFOS QAPP for OU2 is based on a DTSC comment on the groundwater QAPP in 2016 that was specific to PFOA and PFOS; therefore, this sampling event will screen only for PFOA and PFOS. The Army also does not supply drinking water at the former Fort Ord; therefore, per the Army guidance, the former Fort Ord is not a critical

site for analysis of PFAS. Additionally, the new Army policy was released after the PFOA/PFOS QAPP was in progress.

- Mike Weaver requested an extension on the comment period for the Draft PFOA/PFOS QAPP because he received the document in his mailbox on October 2 and he would not get the full 30 days to review and comment. The Army will not grant the comment period extension because that would potentially affect the sampling schedule; however, any comments submitted by Mr. Weaver will still be addressed in the future. The BCT concurred with this and the Army will respond to Mr. Weaver accordingly.
- Third Quarter 2018 data was presented and is similar to the previous quarter with minor exceptions. MW-OU2-40-A in the western network increased slightly to just above the trichloroethene (TCE) aquifer cleanup level (ACL). EW-OU2-01-180 also located in the western network had a slight decrease in TCE to just below the ACL.
- The City of Monterey is planning on constructing percolation ponds on California State University Monterey Bay (CSUMB) property to replace the southwest outfall at the beach which is planned for decommissioning due to erosion issues. The locations of the ponds will not impact groundwater remedies. Min Wu noted that any such activities occurring in an area subject to a state land use covenant would have to be reported to DTSC per the requirements of the memorandum of agreement between DTSC and the local jurisdictions.

b. Treated Water Reuse – Burleson used 15,000 gallons of treated water for an irrigation project. No more treated water will be used this year. The total treated water usage since monitoring began is 1,740,000 gallons.

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

- The transition period is scheduled to begin October 12, 2018 and will last through the end of November.
- Pump testing is being conducted as well as back washing and functional testing.
- Performance tests on pumps and SCADA tests will be conducted.
- Vendors are onsite testing transfer pumps.
- The new OU2 GWTP will be available to visit for the February CIW.

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:

- The owl nest boxes will be cleaned out for annual maintenance.
- The thermal treatment unit (TTU) influent methane percentage increased recently due to offline time for JV construction. The TTU was operated recently for a longer period to stabilize the methane to a percentage consistent with historical concentrations.

6. 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 data was presented and is similar to the previous quarter with minor exceptions. MW-12-20-180U tetrachloroethene (PCE) increased above the ACL which is similar to historic results.
- Linda Opperman is a Corporate Manager from Target and inquired if there are any restrictions or additional monitoring is necessary during Target’s planned spring 2019 remodeling, which includes sub-slab utility work. The BCT concurred with the proposed response to reference the RI/FS from 2013 which stated there were low level detections in indoor air and sub-slab samples

that were below screening levels and, based on a risk assessment, there is no adverse health risk and no actions are needed. Additionally, the full scale SVE system has been in operation since 2015.

7. 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:

- One newly installed monitoring well MW-BW-94-A located east of the groundwater divide and north of the carbon tetrachloride (CT) plume has insufficient water in the well. The water level is expected to be about 65 feet below ground surface (bgs); however, the water level is at 120 feet bgs. There was no change in the water level despite aggressive development methods. There is no evidence that there is grout in the well. The water level will be monitored to see if it self-corrects. If it does not, it will be determined if it will need to be decommissioned and replaced.
- Third Quarter 2018 data was presented and is similar to the previous quarter with minor exceptions. A-Aquifer well MW-BW-36-A increased above the CT ACL due to the seasonal cycle and there will be a plume in the middle section again. Upper 180-Foot Aquifer well MW-OU2-67-180 decreased from above the CT ACL to non-detect.

8. 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) –

- Collection of step-out samples at Unit 33 was completed two weeks ago. There was a meeting with DTSC yesterday to discuss area-weighted average lead concentrations and discussed the next steps including a few more samples to be collected.
- Comments were received from the Army on the preliminary draft sampling reports for Units 25, 28, and 31 and response to comments are in progress. The draft is scheduled to be issued at the end of the month.

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

- There were changes to the lead evaluation technical memorandum due to DTSC promulgated values.
- There are no near term development plans.
- There will be one or two final mobilizations starting in 2021 for the final landfill vertical expansion from all lead sites. The plan will be better understood once all areas to be excavated have been identified.

c. Erosion Control –

- Erosion control work to prepare for the rainy season is in progress and almost completed at HA 34.
- The erosion control repairs still look good at the remaining areas and will continue to be monitored.

d. Landfills Soil Management –

- The last composite sample from the MCWD soil brought to the Landfills was collected. There is a two week turnaround for the results and then they will be shared with the agencies.
- Spent bullets from Site 3 were received in August but none in September. To date 936 pounds were received, not including the bullets collected this week. This is being done due to the

agreement between DTSC and the land owner State Parks to turn bullets over to the Army after any exposed bullets are removed from the surface. There is space for it now at the Landfill; however, once the final cap is in place a new plan will have to be made.

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

- A total of 87,000 gallons of water was used for the irrigation system at HA 26.
- Photos of the irrigation system at HA 26 were included in the handout and reviewed. It was noted the irrigated plants are doing well, particularly when compared to surrounding unirrigated plants.

9. 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 “10 October 2018 HTW BCT Deliverable Schedule” was reviewed and near-term documents were identified.

10. Action Items

The handout titled “HTW BCT 2018 Action Items” was reviewed; there were no changes or additions. Maeve Clancy will check with Judy Huang of USEPA about the partial delisting. The Army will prepare a candidate list of sites with a table and a map.

11. Calendar Update

The calendar was reviewed for upcoming HTW BCT meeting dates and there were no changes nor additions. There is no HTW BCT meeting in December. The January meeting will be scheduled next month.