



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

Meeting Minutes

June 13, 2018

BRAC Conference Room
Former Fort Ord, California



Agenda

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 - b. Treated Water Reuse
 - c. Groundwater Treatment Plant Relocation
 - d. Landfills O&M
- 5. Sites 2 and 12**
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 - b. Soil Gas Monitoring
- 6. Operable Unit Carbon Tetrachloride Plume**
 - a. Groundwater Remedy/Monitoring
- 7. Basewide Range Assessment and Lead Evaluation Status**
 - a. Basewide Range Assessment
 - b. Lead Evaluation at HA 18D and HA 23D
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1. Attendance

Last Name	First Name	Company Name	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)	X
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	Amec Foster Wheeler	X
Floyd	Bridget	U.S. Army Corps of Engineers (USACE)	X
Friend	Larry	KEMRON	X
Ghigliotto	Tom	Chenega supporting BRAC	
Kan	Alex	USACE	
Kowalski	Bart	Chenega supporting BRAC	
Lieberman	Derek	Ahtna	
McNeill	Bonnie	USACE	X
Soderberg	Sheila	California Regional Water Quality Control Board, Central Coast Region (CCRWQCB)	X
Whipple	Jonathan	USACE	X
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 March 2018.

3. Community Outreach Update

A review of recent community outreach events and upcoming activities was provided.

Long term actions underway include:

- Continue outreach related to munitions cleanup work in the northern portion of the Fort Ord National Monument.
- Initiate 2018 burn season announcements and outreach activities on June 15. Planning two burns this year.
- Evaluate results of 2017 community survey and publish draft analysis report.

Recent activities include:

- On May 5, 2018 CIW/nature walk inside the Impact Area for 100 participants.
- On May 11, 2018 information booth at Presidio of Monterey Language Day for approximately 300 participants.
- On June 5, 2018 provided munitions briefing to Bureau of Land Management staff for 50 participants.

- On June 5, 2018 responded to KSBW media inquiry about the munitions cleanup work in the northern portion of the National Monument.

Upcoming activities include:

- On June 15, 2018 begin burn season announcements.
- On July 14, 2018 is the Community Involvement Workshop (CIW) open house/bus tour. Topics include munitions cleanup, prescribed burns, and habitat management. Marina Coast Water District will be there.
- On July 17, 2018 is the Technical Review Committee (TRC) with the same topics as the July 14 CIW.
- On August 7, 2018 bus tour for local senior center.
- On August 31, 2018 is the information booth at the Monterey County Fair.
- In October 2018 (date TBD) is the Fort Ord National Monument National Public Lands Day celebration.
- TBD cleanup presentation for the local chapter of the California Native Plant Society.

There have been no recent public comments on documents, but responses to comments (RTCs) from Mike Weaver are in progress for a few documents.

5. Operable Unit 2

a. Groundwater Remedy/Monitoring –

- The Operable Unit 2 (OU2) groundwater treatment plant (GWTP) had 90 percent (%) operability through May 31, 2018 which is below the 95% operational goal.
- Two injection point-of-compliance samples were collected in May 2018 and there were a few low level chemical of concern (COC) detections below the discharge limit.
- On May 9, 2018 the OU2 GWTP was shut down for 7 hours due to PG&E replacing the transformer.
- May 29 to June 5, 2018 the OU2 GWTP was shut down for extraction well surface completion adjustments in the Sea Haven residential development.
- On May 30, 2018 the baseline biological survey was completed for MW-OU2-59-A which will be decommissioned in 2018 and is accessed through the Fort Ord Natural Reserve (FONR).
- In June Ahtna will coordinate with the JV and Burleson as needed for any treated water use.
- Ahtna will continue to prepare for the existing OU2 GWTP decommissioning and upcoming well installation and decommissioning activities.
- Concentrations of TCE at the discharge point of compliance are approaching the discharge limit, indicating the need for a GAC change. A GAC change-out was scheduled for June 19, 2018.
- The Second Quarter 2018 Groundwater Monitoring event is being conducted this week.

b. Treated Water Reuse – 6,000 gallons of treated water was used in May by Burleson for an irrigation project. Burleson and KEMRON will take additional treated water starting tomorrow for irrigation and the prescribed burn program, respectively.

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

- The master switch board (MSB) was installed at the Ord Market and the existing GWTP. Inspections and mandrel testing will then be conducted. Once inspection conducted the JV will be on the 10-week Pacific Gas and Electric (PG&E) construction schedule.
- The GWTP road and driveway are being installed next week.
- The fire suppression system was installed and the fiber optic line will be installed next week.

- The discharge pipeline will be tested after the GAC is installed and sampled for volatile organic compounds, semi-volatile organic compounds, and metals. The runoff from the new GWTP during the pressure testing will be controlled to not cause erosion and will be directed to the OU2 Landfills v-ditch which will collect at the infiltration pond.

d. Landfills Operations and Maintenance (O&M) – Recent landfill gas extraction and thermal treatment unit (TTU) operations and landfill cover system O&M activities were reviewed:

- Three or four owl nest boxes at the Landfills are occupied and there continues to be increased raptor activity after installation of raptor perches and utility poles. Pictures of an owl in an owl box and a red tailed hawk on a raptor perch were provided.
- On May 8 a new purge blower was installed on the TTU.
- June 4 to 8, 2018 vegetation management was conducted including mowing of the vegetative cover.
- The Second Quarter 2018 landfill gas monitoring event and TTU source testing is scheduled for June 18 to 22, 2018. The quarterly County inspection is scheduled for June 19, 2018.
- Increased operational hours after replacement of the purge blower resulted in a significant decline in methane at the TTU influent. Hours were reduced for the following cycle and the influent methane concentration increased to approximately 38%.

6. Sites 2 and 12

a. Groundwater Remedy/Monitoring –

- The Sites 2 and 12 (Sites 2/12) GWTP had 99.7% operability through May 31.
- Two injection point-of-compliance samples were collected in May and there were a few low level COC detections below the discharge limit. TCE detections are the result of treated water discharge from OU2.
- On May 9 the Sites 2/12 GWTP shut down for 2 hours for routine maintenance.
- On May 14 the malfunctioning flow meter at EW-12-05-180M was replaced.
- The Second Quarter 2018 Groundwater Monitoring event is being conducted this week.
- Preparations continue for well decommissioning activities planned for this summer.
- Ahtna has been in contact with the Monterey County Department of Health regarding removal of sulfuric acid that had been stored at the Sites 2/12 GWTP and the inspection will be conducted soon.

b. Soil Gas Monitoring –

- The Sites 2/12 soil vapor extraction and treatment system (SVETS) had 100% operability through May 31.
- The Second Quarter 2018 Soil Gas Monitoring Program was conducted May 21 to 22.
 - One SVE well (VE-12-09) had an estimated concentration of PCE, and PCE and TCE were not detected at all other SVE wells.
 - Soil gas probe results were similar to the previous events with a PCE concentration below the soil gas cleanup level but above the soil gas screening level at SG-12-02-10 in front of Target.
 - PCE and TCE were not detected at all other soil gas probes.
 - PCE and TCE were detected at the SVETS effluent and the USEPA AERSCREEN Model was utilized to confirm the concentration does not present a human health hazard.

- After the Third Quarter 2018 the decision rules in the Soil Gas Quality Assurance Project Plan (QAPP) will be updated because there is not any evidence that operation of SVETS impacts groundwater COC concentrations.

7. Operable Unit Carbon Tetrachloride Plume

a. Groundwater Remedy/Monitoring –

- May 29 to June 5, 2018 EW-OU2-09-180 was offline because the OU2 GWTP was shut down for extraction well surface completion adjustments in the Sea Haven residential development.
- The 2018 survey for Habitat Management Plan (HMP) annual species was completed May 30. The 2018 FONR survey included Year 3 (final) follow-up for 2015 well installations, Year 2 follow-up for 2016 EISB Deployment Area 3A construction, and the baseline survey for 2018 well installation and decommissioning locations in the FONR.
- Preparations continue for well installation and decommissioning activities planned for this summer.
- The Second Quarter 2018 Groundwater Monitoring event is being conducted this week.

8. Basewide Range Assessment and Lead Evaluation Status

a. Basewide Range Assessment (BRA) –

- Revised response to comments were submitted to California Department of Toxic Substances Control (DTSC) on the Draft Technical Memorandum documenting the results of sampling in Units 1, 2, 3, 7, 10, 33, and Watkins Gate Burn Area (WGBA). Unit 33 step-out samples were collected in February and preliminary remediation scenarios are being evaluated. Two polygons were created; however, the samples already collected are not representative of the area and additional samples will be collected to refine the interpretation. Remediation will take into account Record of Decision criteria and minimizing impact to the area's high quality biological habitat. A map and proposed sample locations will be sent out soon.
- Preliminary results for sampling in Units 25, 28, and 31 have been received and validation is in progress.
- USACE will back check responses to comments on the Comprehensive Basewide Range Assessment Report to be completed next week.

b. Lead Evaluation Sites – DTSC plans to release the new lead cleanup level in September 2018.

c. Erosion Control – KEMRON is monitoring Site 39 areas throughout the Impact Area MRA for erosion issues. KEMRON is addressing maintenance issues at erosion control sites. Former range sites maintenance will include installing best management practices before the rainy season.

Soil Management

KEMRON is managing the transfer of soil into OU2 Landfills Area E. Two composite samples were collected and the analytical results submitted to the agencies for concurrence. More samples will be collected over the next two weeks as the remaining soil brought onsite from the Marina Coast Water District recycled water pipeline project. 4,500 cubic yards have been brought to the OU2 Landfills to date. Min Wu with DTSC requested a letter report detailing the sample analytical results with compaction. It was agreed that compaction is not an issue right now at the Landfills because the soil will be used to cover debris from Site 39 as intermediary fill and/or as vegetative cover.

d. Habitat Restoration –

- Continuing plant propagation for a target of 5,962 plants to restore 3.3 acres at HA 34 (2.5 acres), HA 26 (0.5 acre), HA 28 (0.3 acre), and additional plants for corrective measures.
- The irrigation system at HA 26 had the first even on May 21 and the second irrigation event June 6 to 7. Treated water has been used from leftover prescribed burn tanks (4,000 gallons) and the OU2 treatment plant (18,000 gallons). Irrigation is planned every 2 to 3 weeks, with ten irrigation events throughout the dry season.
- Monitoring for sand gilia and seaside bird's beak is complete and Monterey spineflower and species richness surveys is in progress.
- Spring photo points have been completed.
- Seed collection is occurring for Monterey ceanothus and reconnaissance is occurring at other target species.

9. 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 – A copy of the latest document schedule was distributed. Comments are due on June 21, 2018 for the Draft Well Installation Work Plan. The Draft Well Decommissioning Work Plan will be issued on June 15, 2018.

10. Action Items

There were no updates to action items since the last HTW BCT meeting.

11. Calendar Update

- The July 2018 HTW BCT meeting is scheduled for **July 13, 2018 at 1:30 PM** in the BRAC Conference Room.
- The Community Involvement Workshop and bus tours are scheduled for **July 14, 2018 at 10:00 AM**.
- The Technical Review Committee meeting is scheduled for **July 17, 2018 at 10:00 AM** in the BRAC Conference Room.
- The August 2018 HTW BCT meeting is scheduled for **August 15, 2018 at 1:30 PM** in the BRAC Conference Room.