Final
HTW BCT
Meeting Minutes
January 27, 2021
Teleconference Meeting

Agenda
Reference the handout titled "HTW BRAC Cleanup Team Meeting Agenda, Wednesday, January 27, 2021, at 1:30 PM, Former Fort Ord, California."

1. Attendance and Announcements
There were no announcements.

Last Name	First Name	Organization	By Phone
Anderson	Thor	Burleson Consulting	X
Balch	Duane	U.S. Army Corps of Engineers (USACE)	X
Bleichner	Randall	California Department of Toxic Substances Control (DTSC)	X
Broadston	Melissa	Chenega for BRAC	X
Callaghan	Chris	City of Seaside Environmental Services Cooperative Agreement (ESCA)	X
Clancy	Maeve	U.S. Environmental Protection Agency (USEPA)	X
Collins	Bill	U.S. Army BRAC, Fort Ord Office	X
Dillon	Holly	Ahtna Global, LLC (Ahtna)	X
Floyd	Bridget	USACE	X
Gentry	Dana	USACE	X
Ghigliotto	Tom	Chenega for BRAC	X
Ginorio	Amber	USACE	X
Guirguis	Abraam	City of Seaside ESCA	X
Kochman	Aaron	Chenega for BRAC	X
Kosowski	Sylvester	Ahtna	X
Kowalski	Bart	Chenega for BRAC	X
Lieberman	Derek	Ahtna	X
Meakes	Charity	USACE	X
Nozaki	Chieko	Chenega for BRAC	X
Savage	Tom	USACE	X
Sellinger	Amber	California Regional Water Quality Control Board, Central Coast Region (CCRWQCB)	X
Soderberg	Sheila	CCRWQCB	X
Wu	Min	DTSC	X

2. BCT Minutes Status
HTW BCT meeting minutes are final through the last meeting in October 2020.

3. Community Outreach Update

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

- An analysis was completed of the 2019 survey results and 2019-2020 community involvement activities report. There was one event in February 2020: community involvement workshop (CIW), and not many community activities since then due to the COVID-19 pandemic restrictions beginning in March 2020. The report will be sent on February 1 to the BRAC Cleanup Team (BCT) for review in February. After the report is final, the 2021 community outreach survey will be issued and responses accepted through June 30.
- The USEPA received four public comment letters on the notice of proposed National Priorities List (NPL) partial deletion in the Federal Register (FR).
- The Technical Review Committee (TRC) is scheduled for Feb 11, 2021 and will be held virtually. A dry run meeting will be held on February 4 at 10:00 am. The topics for the TRC meeting include groundwater, OU2 Landfills, and ESCA.
- Due to the shelter-in-place and COVID-19 restrictions, there is no February CIW bus tour event. A nature walk or series of small nature walks may occur at Fort Ord with proper COVID-19 distancing precautions.
- The Fort Ord Cleanup website news section was updated with Per- and Polyfluoroalkyl Substances (PFAS) fact sheet and information, and the proposed NPL partial deletion frequently asked questions (FAQs) and information.
- On January 15, there was a media inquiry from the Monterey Herald regarding the proposed NPL partial deletion. Bill Collins and the USEPA responded to questions from the media. A story titled "EPA Proposes 'partial deletion' of Fort Ord Superfund site from list" was published on January 21. Maeve Clancy with the USEPA stated that the article was factual and informative.
- Mike Weaver sent comments on the OU2 Landfills and OUCTP Annual Reports.
- Lesley Milton is the new point of contact for the Seaside ESCA successor. Lesley's contact information is located on the handout.
- Per a couple community requests, the Annual Report was translated into Spanish.
- The semi-annual letter was sent to schools offering online munitions safety training. One zoom class was scheduled with Pacific Grove High School for munitions safety training.

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 handout covered activities in December 2020. Table 1 includes OU2 groundwater treatment plant (GWTP) operational statistics for December. The OU2 GWTP was online 100 percent (%) of the time.
- Table 2 has analytical results for the OU2 GWTP injection point of compliance samples collected in November 2020 and January 2021, and analytical results for chemicals of concern (COCs) were either not detected or below the discharge limit. The last granular activated carbon (GAC) change-out at the OU2 GWTP was in September 2020.
- In December, Sea Haven installed and developed replacement wells MW-OU2-05-AR and MW-OU2-84-180 and decommissioned MW-OU2-05-A, MW-OU2-05-180, and MW-OU2-07-180R. The new Upper 180-Foot Aquifer well MW-OU2-84-180 is located midway between the two decommissioned Upper 180-Foot Aquifer wells MW-OU2-05-180 and MW-OU2-07-180R.

- EW-OU2-02-A had a failed pump replaced in 2019 which did not go online because it is in the western network. The well is not operable currently, has a potential pump failure, and will be evaluated further.
- The Western Network extraction wells (except EW-OU2-04-A) are not online yet. The transducer for EW-OU2-06-A was installed on December 8. The RORE Innovative Solutions Joint Venture (JV) still needs to complete performance testing to finalize the Western Network startup.
- EW-OU2-09-A was turned off on October 13 due to excessive pump cycling. The JV upsized the submersible pump for operation with the new GWTP. However, it was still being controlled by a motor starter, which was replaced by a variable frequency drive (VFD) on December 8 to reduce or eliminate cycling, and the well was restarted.
- The Fourth Quarter groundwater monitoring event was conducted in December using an alternate lab because the normal lab was short-staffed due to a COVID-19 outbreak. Some samples were completed later in December due to a missing passive diffusion bag.
- At the optimization meeting in December the OU2 GWTS expansion in the A-Aquifer was discussed. This was a recommendation in the last Annual Report and included adding extraction wells to capture the plume migrating to the north of the eastern extraction well network.
- Shea Homes struck the southwest injection pipeline during realignment work, the pipeline was shut down within three minutes and 500 gallons of treated water was released and infiltrated the ground surface near the southwest infiltration gallery on January 7. Pictures of the repair were presented and the pipeline was brought back online within a few hours on the same day. The repaired pipeline was replaced with the new realigned pipeline on January 19.
- The JV replaced the failed flowmeter at EW-OU2-02-180R on January 19.
- Upgrades to the radio equipment were conducted, including installing a new 40-foot tall antenna mast at the OU2 GWTP for better line of sight, new radios at the extraction well networks, and upgrading Ethernet connections in January to remedy communications issues.
- In February, Sea Haven will complete well surface adjustments and survey work at MW-OU2-04-A, MW-OU2-05-AR, MW-OU2-07-A, MW-OU2-84-180, and MW-OU2-07-400.
- EW-OU2-12-180 had a failed pump in early 2020, and sand was found in the well casing, indicating a possible compromised well. A video log of the well did not show any damage to the well casing or screen. In 2021, an aggressive redevelopment will be conducted, and a new pump will be installed to restart EW-OU2-12-180.
- The First Quarter 2021 groundwater monitoring event will be conducted in the first week of March.
- The Fourth Quarter 2020 preliminary groundwater monitoring results were presented.
    - A-Aquifer concentrations, in general, were similar to the previous event.
    - MW-OU2-12-A had a significant increase in COC concentrations, where the sampling depth was increased. Concentrations increased to become more similar to adjacent extraction wells EW-OU2-12-A, and EW-OU2-13-A, and nearby MW-OU2-08-A. This well will continue to be monitored.
    - MW-OU2-06-AR located west and downgradient of the eastern extraction well network defines the leading edge of the plume and continues to have increasing COC concentrations with a seasonal trend.
    - MW-OU2-08-A, located northeast of the eastern extraction well network, had initial COC concentration increases in 2015, and continues to have elevated COC concentrations with a recent slight decline.
    - MW-OU2-75-A, located northeast of the eastern extraction well network, has increasing COC concentrations and confirms northward movement of plumes.

- The Upper 180-Foot Aquifer has similar COC concentrations as previous events, with seasonal concentrations influences.
- MW-OU2-62-180, located on the eastern edge of Landfills Area F, has seasonally variable trichloroethene (TCE) concentrations and is located upgradient of the suspected discontinuity in the Intermediate 180-Foot Aquitard.
- Maps from the Third Quarter 2020 COC plumes were presented. Due to operation of new extraction wells, the Upper 180-Foot Aquifer TCE plume is no longer continuous.

b. Treated Water Reuse – treated water was used for dust control during erosion repair work and irrigation of reseeded areas at the Landfills. The volume of treated water used was 500 gallons for dust control and approximately 1,000 gallons for irrigation in December. The OU2 Explanation of Significant Differences (ESD) allows for treated water use for construction purposes. Shea Homes sent a proposal to use OU2 treated water for construction near the southwest injection. The Army reviewed the proposal and it meets the requirements of the ESD and has given approval for treated water use for dust control and soil compaction during construction to begin this week.

c. Groundwater Treatment Plant Relocation – Over the holidays Ahtna and the JV installed flow meters and pumps in a few wells. The JV still has to complete performance testing for the Western Network. The JV will then submit final documentation and submittals for the contract.

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:

- There is a picture on the handout of a raptor taking off from an installed raptor perch on the Landfills. A lot of raptor activity and owl activity in the installed owl nest boxes have contributed to rodent control. Rodent trapping is also ongoing.
- Annual thermal treatment unit (TTU) maintenance was conducted in December by Perennial, the TTU manufacturer, including repacking bearings and rebalancing motors, and everything looked good with no issues.
- Erosion repair work was conducted in October on perimeter roads in several locations around the Landfills. After the forecasted storm the Landfills will be inspected.
- The quarterly Monterey County Health Department inspection was conducted in December and there were no issues.
- The First Quarter landfill gas perimeter probe monitoring is scheduled for February.
- TTU operational hours were decreased incrementally starting in August from 80 hours to 48 hours due to declining methane concentrations. The methane concentrations began increasing, and operational hours were increased to 50-52 hours.

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 handout covers activities for December. The Sites 2/12 GWTP was online 100% of the time.
- Table 2 has analytical results for the Site 2 injection point of compliance sample collected in January, and analytical results for COCs were either not detected or below discharge limits.
- The Fourth Quarter groundwater monitoring event was completed in December. This included data to complete the soil gas rebound study which will be appended to the Sites 2/12 Exit Strategy document.
- Shea Homes will decommission EW-12-04-180U and EW-12-04-180M during property development. There are no pumps in the extraction wells. The wells are no longer sampled and

only monitored for depth to water. EW-12-04-180U was already recommended for decommissioning in the 2019 Annual Report, and EW-12-04-180M will be added to the 2020 Annual Report decommissioning recommendation list. The COC trends for the two wells were presented.

- Radio equipment upgrades were completed to improve communications between Sites 2/12 and the OU2 GWTP with a virtual private network (VPN) installed at the Sites 2/12 GWTP.
- Extraction well EW-12-08-180U will be redeveloped, and an upsized pump will be installed. This extraction well defines the tetrachloroethene (PCE) plume and the development and upsized pump will decrease time to achieve remedial action objectives (RAOs).
- The Soil Vapor Treatment Unit (SVTU) remains offline due to low soil gas COC concentrations below the soil gas cleanup levels (SGCLs). The First Quarter 2021 soil gas monitoring event will be conducted in mid-February.
- The First Quarter 2021 groundwater monitoring event will be conducted in the first week of March.
- The Fourth Quarter 2020 preliminary groundwater monitoring results were presented.
    - Groundwater COC concentrations, in general, were similar to the previous event.
    - Extraction well EW-12-08-180U has the only COC concentration above the aquifer cleanup level (ACL) at Sites 2/12 over the past four quarters of sampling. PCE concentrations are declining, and the historic minimum concentration was observed during the Fourth Quarter event.
    - Monitoring well MW-12-20-180U is located north of EW-12-08-180U and historically had PCE concentrations above the ACL, which declined below the ACL in 2019.
    - A map of the Third Quarter 2020 groundwater COC concentrations at Sites 2/12 was shared.

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:

- The Fourth Quarter groundwater monitoring event was completed in December.
- The First Quarter 2021 groundwater monitoring event will be conducted in the first week of March.
- The Fourth Quarter 2020 preliminary groundwater monitoring results were presented.
    - A-Aquifer data was similar to the previous event.
        - Enhanced in situ Bioremediation (EISB) Deployment Area 3A wells had a couple of carbon tetrachloride (CT) concentrations decrease below the ACL.
        - MW-BW-26-A, located in EISB Deployment Area 2A, continues to have elevated CT concentrations above the ACL. A couple wells nearby were added back to the quarterly program to help define the CT plume in the area: EW-BW-129-A and EW-BW-140-A.
        - MW-BW-75-A, located in the City of Marina, downgradient of the EISB Pilot Study area, has an increasing CT trend.
    - Upper 180-Foot Aquifer data was similar to the previous event.
        - Extraction well EW-OU2-09-180 had a low estimated CT detection, which is usually ND. Operation of this extraction well bisected the plume.
        - MP-BW-46-170, located in the northern part of the northern CT plume, continues to have elevated CT concentrations above the ACL.
    - Lower 180-Foot Aquifer data was similar to the previous event.
        - MP-BW-49-316 has variable CT concentrations above the ACL.

        - MW-BW-59-180, located near the suspected discontinuity in the Intermediate 180-Foot Aquitard and downgradient of OU2 Upper 180-Foot Aquifer well MW-OU2-62-180, continues to have TCE concentrations above the maximum contaminant level (MCL).
    - Maps of Third Quarter 2020 COC plumes were shared for the A-Aquifer, Upper 180-Foot Aquifer, and Lower 180-Foot Aquifer. A shaded box was added to the OUCTP A-Aquifer map to show the Lexington Court source area based on the response to a comment from Mike Weaver. CT was used in this area as a solvent in the 1950s and may have been disposed of improperly.

b. TCE in the Lower 180-Foot Aquifer – will be addressed in the next Five Year Review Report.

7. Per- and Polyfluoroalkyl Substances (PFAS)

The handout titled "Former Fort Ord Per- and Polyfluoroalkyl Substances (PFAS) Preliminary Assessment" was reviewed. Additional discussion included:

- The Preliminary Assessment (PA) Narrative Report is in progress.
- File searches were completed, and the write-ups for the sites are in progress.
- Site reconnaissance has been completed for a majority of the sites. Photos of the sites visited were shared.
- A public fact sheet is on the Fort Ord Cleanup website.
- Site reconnaissance photos reviewed included:
    - Site 2 Main Garrison Sewage Treatment Plant (STP) with a settling basin for treated water converted to a stormwater infiltration basin ten years ago.
    - Site 5 Range 36A Open Burn/Open Detonation (OB/OD) Range is now heavily vegetated.
    - Site 8 Range 49 Molotov Cocktail Range is now heavily vegetated.
    - Site 9 Range 40 Field Flame Expedient Training.
    - Site 12 Lower Meadow Disposal Area now a retail parking lot.
    - Site 16 Pete's Pond, which has not changed much over time.
    - Site 17 Disposal Area 1400 Block Motor Pool, an old landfill area excavated and backfilled with clean material, and motor pool buildings were demolished.
    - Site 20 South Parade Ground 3800 and 519th Motor Pools, former airfield. This site had a couple of old hangers that pre-date FAAF and likely pre-dates use of aqueous film-forming foam (AFFF) but will still investigate. It is now a California State University (CSUMB) parking lot and athletic fields.
    - Site 29 Defense Reutilization Marketing Office (DRMO) Building T-111, polychlorinated biphenyls (PCB) storage area is a vacant building.
    - Site 31 East Garrison Former Dump Site showing a downslope to a ravine where incinerated waste was disposed.
    - Site 32 East Garrison STP was redeveloped into residential open area park.
    - Site 34 Hangars 507, 524, 510, 537, and Site 34B Former Burn Pit. Retired POM Fire Department Chief Riso stated there was an accidental discharge from a foam fire suppression system in one of the hangers. Hangar 510 is now a fabrication company called Fort Ord Works. Hangar 524 is now a company called SuddenLink. Looking at areas of natural drainage and slopes to infiltration areas.
    - Site 34B Former Burn Pit previous investigation only included total petroleum hydrocarbons (TPH) and no TPH was found; therefore, no remediation was conducted.
    - Site 39 Inland Ranges looking into fire suppression activities.
    - Site 41 Crescent Bluff Fire Drill Area.

- Main Garrison Fire House South and Main Garrison Fire House East. These were used in the 1940s and were replaced in the 1950s by the fire station in the Main Garrison on General Jim Moore Blvd. These are being reviewed as potential AFFF storage location but AFFF was not used until 1973, so it is doubtful.
- Mudhen Lake
- Fritzsche Army Airfield (FAAF) Fire Drill Area near the now Marina Municipal Airport is the old Operable Unit 1 (OU1) Site, which is overgrown with vegetation.
- Fort Ord Landfills Area E
- Fort Ord Landfills Area F

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

There was no handout for the BRA and Lead Evaluation Status. Discussion included:

a. BRA –
The Comprehensive BRA Report is scheduled to be final before the new munitions contract begins. A new USACE Engineer Jolie Higgins will be assisting with the BRA Report.

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

- USACE and BRAC will coordinate and discuss the DTSC lead values.

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

- Irrigation at Historic Area (HA) 26 was completed in December with the final 10th event of 8,500 gallons, or 2 gallons per plant.
- In 2020, 7,046+ plants were grown and maintained for SSRP and adaptive management targets.
- Cutting propagation began for next year's target of 3,682 plants.
- Sand gilia seed was harvested from mother plants at HA 38 and 43. The target of 0.5-gram seed was met at HA 43. The target of 34 grams seed was missed at HA 38 and only collected 26.5 grams from 300-400 plants. Additional mother plants will be grown in 2021 to make up for the missed target.
- Production seed broadcasting began in early December at multiple HAs, approximately 13 acres. Broadcasting was completed at four HAs. Barren areas are being targeted.
- Planting season began December 29, and as of January 15, 1,487 plants were installed of the 7,046 target, approximately 800 plants per week. Target is to complete at the end of February, but were rained out this week.

9. Federal Facility Agreement (FFA) Schedule

a. Status Update – The 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 "27 January 2021 BCT Deliverable Schedule" was reviewed, and near-term documents were identified.

- The next versions of some Quality Assurance Project Plans (QAPPs) and Annual Reports will be issued soon.
- The Sites 2/12 Exit Strategy is in progress.
- The NPL Partial Deletion report is in the process of responding to comments.

10. Action Items

The handout titled "HTW BCT 2021 Action Items" was reviewed.

- Action Item #1: already discussed to coordinate between USACE and BRAC.
- Action Item #2: Army is working on funding now for the Five-Year Review. USACE Sacramento District will do the Five-Year Review, with Charity Meakes as the lead.

11. Calendar Update

The calendar was reviewed for upcoming HTW BCT meeting dates:

- The TRC dry run will be conducted on February 4 at 10:00 am. The TRC meeting is scheduled for February 11 at 10:00 am.
- There is no February or March 2021 HTW BCT meeting. The HTW meetings will now be quarterly and coincide with Munitions Response (MR) meetings.
- The next HTW BCT meeting is scheduled for April 14 at 1:30 pm.