

**Travis Air Force Base
Environmental Restoration Program
Restoration Program Manager's
Meeting Minutes
28 November, 0930 Hours**

Mr. Lonnie Duke of the Air Force Civil Engineer Center (AFCEC) Restoration Installation Support Section (ISS) conducted the Restoration Program Manager's (RPM) teleconference meeting on 28 November 2018 at 0930 hours in Building 248 at Travis AFB, California. Attendees included:

Lonnie Duke	AFCEC/CZOW
Glenn Anderson	AFCEC/CZOW
Gene Clare	AFCEC/CZOW
Angel Santiago Jr.	AFCEC/CZOW
Monika O'Sullivan	AFCEC/CZOW
Merrie Schilter-Lowe	Travis AFB/PA
Ben Fries (via telephone)	DTSC
Nadia Hollan Burke (via telephone)	USEPA
Adriana Constantinescu (via telephone)	RWQCB
Sarah Miller (via telephone)	USACE-Omaha
Paul Gedbaw (via telephone)	USACE-Omaha
Mike Riggle (via telephone)	USACE-Omaha
Mike Wray	CH2M/JACOBS
Leslie Royer	CH2M/JACOBS
Jeannette Cumberland	CH2M/JACOBS

Handouts distributed prior to or at the meeting, discussions, and presentations included:

Attachment 1	Meeting Agenda
Attachment 2	Master Meeting and Document Schedule
Attachment 3	SBBGWTP Monthly Data Sheet (October 2018)
Attachment 4	CGWTP Monthly Data Sheet (October 2018)
Attachment 5	LF007C Monthly Data Sheet (October 2018)

Attachment 6 ST018 Monthly Data Sheet (October 2018)

Attachment 7 Presentation: Program Update

1. ADMINISTRATIVE

A. Previous Meeting Minutes

Ms. Constantinescu requested the following changes to the October 2018 RPM Meeting Minutes:

MMDS, Potrero Hills Annex discussion, last line: change “Administrative Order” to “Site Cleanup Order”

B. Action Item Review

Action items from October 2018 were reviewed.

Action item 1 is ongoing: Ms. O’Sullivan to provide updates on perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA). November 2018 update: Ms. O’Sullivan had no updates. Mr. Duke said the Air Force is organizing an inventory of all the sites that have been investigated and compiling the data collected. The data will be provided to Travis AFB and Beale AFB.

Action Item 2 is ongoing: Mr. Duke will continue to provide design and construction information for the new KC-46 Hangar construction project. November 2018 update: The soil vapor sample analysis has been received. The data indicates there is not a vapor intrusion concern due to tight clay soil. There was one sample to the south that exceeded the subslab limits, each of the sample locations to the north where the office spaces will be located were all below subslab limits. A report will be compiled on how samples were collected, what equipment was used, and the analytical data. Ms. Constantinescu asked if the sample to the south, with the exceedance, was in the footprint of the building and was it in deeper soil gas sample or the shallow one? Ms. Royer wasn’t certain which depth had the exceedance.

Action Item 3: Closed. Mr. Duke to send the Subarea LF007C Total Petroleum Hydrocarbon Chromatogram Review Technical Memorandum to Ms. Burke.

C. Master Meeting and Document Schedule Review (see Attachment 2)

The Travis AFB Master Meeting and Document Schedule (MMDS) was discussed during this meeting (see Attachment 2).

Travis AFB Annual Meeting and Teleconference Schedule

The next RPM meeting will be a teleconference held on Wednesday, 16 January 2019.

Travis AFB Master Document Schedule

- Community Relations Plan Update (CRP): There was no change to the schedule.
- Amendment to the WABOU Soil ROD for Travis AFB ERP Sites DP039, SD043, and SS046: The Final Due Date was changed to 30 October 2018 to reflect the actual date.
- Amendment to the NEWIOU Soil ROD for the Travis AFB ERP Sites SS016 and SD033: There was no change to the schedule. Mr. Anderson said Mr. Trost, the lead attorney in San Antonio, has been trying to reach EPA's attorney to discuss ARARs before his retirement at the end of the year. He asked Ms. Burke if she could intervene and help to facilitate a meeting. Ms. Constantinescu asked that the State's attorney be included in this discussion, and to courtesy copy the agencies' project managers on all future emails. **This is a super critical document** due to site work supporting planned KC-46 hangar construction.
- No Further Action ROD for Old Skeet Range (TS060 MRA) There was no changes made to the schedule. Travis AFB received EPA comments on 27 November 2018. Water Board will email their comments on 29 November 2018. Ms. Constantinescu added that the Water Board Executive Officer is retiring at the end December 2018, the new Executive Officer's name will be announced in December or early January. Signature page is the responsibility of the Executive Officer. **This is an important but not critical document.**
- Site SS016 Remedial Design/Remedial Action Work Plan: The Response to Comments due date and Draft final due date was changed to 24 October 2018, the Final due date was changed to TBD. This document won't go final until the draft-final Amendment to the NEWIOU Soil ROD is submitted. This excavation project is located within the footprint of the future new KC-46 hangar, so **this document is critical.**
- Site SD031 Soil Remedial Investigation/Feasibility Study: No change was made to the schedule. **This document is important but not time-critical.**
- Fourth Five-Year Review Report for Multiple Groundwater, Soil, and Sediment Sites: No change was made to the schedule. **This document is very important but not critical.**
- Addendum to the Site SS016 Groundwater Remedial Design/Remedial Action Work Plan: The Predraft to AF/Service Center was changed to 12 December 2018, the rest of the dates were changed accordingly.
- Potrero Hills Annex (FS, PP, and ROD): No change was made to the schedule. Mr. Anderson reported that the Water Board is reviewing Draft Human Health and Ecological Risk Assessment Report. Mr. Fries mentioned that there is also a Groundwater Monitoring Report that came out a couple days prior to the Draft Human Health and Ecological Risk Assessment Report. Mr. Anderson said that the Groundwater Monitoring Report is an annual document and that the Travis ERP

project managers do not review the Potrero Hills documents, because the Water Board provides all regulatory oversight of restoration activities at this site.

- Site LF006 Technology Demonstration Work Plan: The Response to comment due and Final due was changed to 22 October to reflect the actual date.
- Quarterly Newsletters (January 2019): Predraft to AF/Service Center was changed to 27 December 2018 the rest of the dates were changed accordingly to reflect the first 2019 quarterly newsletter.
- 2017 Annual GRISR: There was no change to the schedule. Travis AFB received comments from EPA on 20 September. Water Board will submit comments by 10 December 2018. DTSC indicated they need more time to review. Mr. Duke asked Mr. Fries submit the extension request via email.
- Emulsified Vegetable Oil Sites FT004, SS015, SD031, and SD036 Injections Technical Memorandum: Response to Comment Due date and Final Due date was changed on 6 November 2018 to reflect the submittal actual date.
- Site SS015 Soil Sampling Results Technical Memorandum. The Draft to Agencies, and Draft to RAB dates were changed to 20 November 2018 to reflect the actual dates. Agency Comments Due was changed to 21 December 2018.
- Site LF006 Technology Demonstration Construction Completion Report: New report, populated with new dates.
- Subarea LF007C Total Petroleum Hydrocarbon Chromatogram Review Technical Memorandum: Agency Comments Due date was changed to 19 December 2018, and the rest of the dates were changed accordingly. The Water Board requested additional time for review.
- AOC TA500 POCO Well Decommissioning and Site Closeout Technical Memorandum: The Draft to Agencies and Draft to RAB were changed to 12 November 2018 to reflect the actual date. Agency Comment due was changed to 14 December 2018.
- Site SD043 Remedial Design/Remedial Action Work Plan: Moved to history.
- Site SS046 Remedial Design/Remedial Action Work Plan: Moved to history.

2. CURRENT PROJECTS

Treatment Plant Operation and Maintenance Update

South Base Boundary Groundwater Treatment Plant, October 2018 (see Attachment 3)

The South Base Boundary Groundwater Treatment Plant (SBBGWTP) performed at 100% uptime, and 7.2 million gallons of groundwater were extracted and treated in

October 2018. All treated water was discharged to Union Creek. The average flow rate for the SBBGWTP was 151.0 gallons per minute (gpm). Electrical power usage was 18,781 kWh, and approximately 14,698 pounds of CO₂ were created (based on DOE calculation). Approximately 2.6 pounds of volatile organic compounds (VOCs) were removed in October. The total mass of VOCs removed since startup of the system is 507.9 pounds.

No optimization activities are reported for the month of October 2018.

Central Groundwater Treatment Plant, October 2018 (see Attachment 4)

The Central Groundwater Treatment Plant (CGWTP) performed at 100% uptime with approximately 1,358,960 gallons of groundwater extracted and treated in October 2018. All treated water was discharged to the storm sewer system which discharges to Union Creek. The average flow rate for the CGWTP was 27.8 gpm. Electrical power usage was 2,692 kWh for all equipment connected to the Central Plant, and approximately 2,880 pounds of CO₂ were generated. Approximately 2.3 pounds of VOCs were removed from groundwater by the treatment plant in October. The total mass of VOCs removed since the startup of the system is 11,504 pounds.

Optimization Activities for CGWTP: The DP039 bioreactor continues to operate in a four-week “pulsed mode.” No other optimization activities are reported for the month of October 2018.

LF007C Groundwater Treatment Plant, October 2018 (See Attachment 5)

The Subarea LF007C Groundwater Treatment Plant (LF007C GWTP) performed at 99.4% uptime with approximately 151,226 gallons of groundwater extracted and treated in October 2018. All treated water was discharged to the Duck Pond for beneficial reuse. The average flow rate was 3.1 gpm. Approximately 1.0×10^{-3} pound of VOCs was removed from groundwater by the treatment plant in October 2018. The total mass of VOCs removed since the startup of the system is 174.4 pounds. There was no electrical power usage statistics, because this plant operates on solar power only.

No optimization activities are reported for the month of October 2018.

ST018 Groundwater (MTBE) Treatment Plant, October 2018 (see Attachment 6)

Site ST018 (MTBE) Treatment Plant (ST018 GWTP) performed at 100% uptime with approximately 192,440 gallons of groundwater extracted in October 2018. All groundwater was discharged to the Fairfield – Suisun Sewer District. The average flow rate for the ST018 GWTP was 3.9 gpm. Electrical power usage for the month was 100 kWh for all equipment connected to the ST018 GWTP. The total CO₂ equivalent,

including an estimate for the carbon change-out, equates to approximately 74 pounds. Approximately 0.05 pound of MTBE, BTEX, VOCs, and TPH was removed in October by the treatment plant, and approximately 0.02 pound of MTBE-only was removed from groundwater. The total BTEX, MTBE and TPH mass removed since the startup of the system is 45.9 pounds, and the total MTBE mass removed since startup of the system is 11.2 pounds.

Note: Electrical power use at the ST018 GWTP is only for the alarm system and a pump that pushes water influent tank to the Fairfield-Suisun Sanitary Sewer line. The four groundwater extraction pumps in the system are all solar powered.

No optimization activities are reported for the month of October 2018.

3. Presentations:

A) Program Update: Activities Completed, In Progress, and Upcoming (see Attachment 7)

Mr. Wray reported on the status of fieldwork and documents which are completed, in progress, and upcoming. Please refer to Attachment 8 for the full briefing.

4. New Action Item Review

None.

5. PROGRAM ISSUES/UPDATE

Mr. Duke reported that AMRDEC is currently shut down. Air Force is looking at other means to deliver large files electronically. Mr. Duke also announced the new Mission Support Group Commander, Colonel Beeler, will be the next Air Force Co-chair for the Travis Restoration Advisory Board.

6. Action Items

Item #	Responsible	Action Item Description	Due Date	Status
1.	Monika O'Sullivan	Ms. O'Sullivan to provide updates on PFOS and PFOA as she becomes aware of them.	Ongoing	Open
2.	Lonnie Duke	Mr. Duke will continue to provide design and construction information for	Ongoing	Open

		the KC-46 Hangar for agency input ahead of the Air Force/Civil Engineering awarding the construction contract.		
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