

**Travis Air Force Base
Environmental Restoration Program
Restoration Program Manager's
Meeting Minutes
19 September 2018, 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 on 19 September 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
Merrie Schilter-Lowe	Travis AFB/PA
Angel Santiago Jr.	AFCEC/CZOW
Haekyung Kim (via telephone)	AFCEC/CZRW
Ben Fries (via telephone)	DTSC
Nadia Hollan Burke (via telephone)	USEPA
Adriana Constantinescu (via telephone)	RWQCB
Mike Wray	CH2M/JACOBS
Leslie Royer	CH2M/JACOBS
Jill Dunphy	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 (August 2018)
Attachment 4	CGWTP Monthly Data Sheet (August 2018)
Attachment 5	LF007C Monthly Data Sheet (August 2018)
Attachment 6	ST018 Monthly Data Sheet (August 2018)
Attachment 7	Presentation: Program Update

1. ADMINISTRATIVE

A. Previous Meeting Minutes

Ms. Burke requested that the 5th sentence for the Five-Year Review Report (page 4) be changed to indicate that the EPA “must issue a protectiveness statement by September 27, 2018.”

B. Action Item Review

Action items from August 2018 were reviewed.

Action item 1 is ongoing: Ms. O’Sullivan to provide updates on perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA). September 2018 update: Mr. Duke conveyed that Ms. O’Sullivan had no updates; however, Mr. Duke noted that the Deputy Assistant Secretary of the Air Force for Installations, Environment and Energy was briefed on the Site Inspection during his visit to Travis AFB, and was happy to hear that drinking water at the base has not been affected.

Action Item 2 is ongoing: Mr. Duke will continue to provide design and construction information for the new KC-46 Hangar construction project for agency input ahead of the Air Force/Civil Engineering awarding the construction contract. September 2018 update: Soil vapor sampling was conducted. Sampling was difficult due to tight clay lithology. The field team was not able to collect a second sample from the hard clayey soil beneath the Building 21 location, so the original sampling point was decommissioned to allow activity in this building to continue. A new sample well will be installed in this building, and soil vapor samples will be collected and analyzed sometime in September.

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 face-to-face meeting, held on Wednesday, 17 October 2018, at 0930 hours.

Due to conflict with the Thanksgiving holiday, the November 2018 RPM Teleconference is rescheduled for Wednesday 28 November at 0930,

Reminder: The annual RAB tour (which historically has been held in October) will not be formally scheduled and will instead be individual tours given when an interested party would like to see field work this summer. As a result, since there will not be a formal RAB meeting, all agencies agreed to move the October RPM meeting from Thursday, 18 October, to Wednesday, 17 October, at 0930.

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 has changed to 9 October 2018. Mr. Anderson noted that the Air Force, Water Board, and EPA legal teams will be meeting to discuss comments regarding the ARAR tables. Any necessary changes to the Draft Final ROD Amendment resulting from that discussion will be submitted in redline format to all parties. Mr. Anderson noted that document coordination with Travis AFB leadership has been completed. Mr. Fries indicated that DTSC has signed the Amendment, but the Air Force has not yet received the signature page. The Water Board has also signed. In the meantime, all preparations for field work described in the ROD are being made so that field work can commence as soon as possible. **This is a super critical document.**
- Amendment to the NEWIOU Soil ROD for the Travis AFB ERP Sites SS016 and SD033: The Response to Comments due date changed to 8 October 2018. The Air Force is working on responses to regulator comments; Ms. Burke noted that the EPA legal team has not yet sent their comments to her, but that the progress being made on the WABOU ROD Amendment regarding the ARARs table will likely be applicable in responding to this set of comments. **This is a super critical document** due to site work supporting planned KC-46 hangar construction.
- Site TS060 No Further Action Record of Decision for Old Skeet Range: There was no change to the schedule; however, DTSC and EPA requested additional review time. The team agreed to move the Agency Comments Due date to 30 November 2018. **This is an important but not critical document.**
- Site SD043 Remedial Design/Remedial Action Work Plan: No change was made to the schedule.
- Site SS046 Remedial Design/Remedial Action Work Plan: No change was made to the schedule.
- Site SS016 Remedial Design/Remedial Action Work Plan: The Response to Comments due date was changed to 12 October 2018, the rest of the dates were changed accordingly. 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: The Air Force/Service Center Comments due date was changed to 1 October 2018. The due dates for items related to the Predraft and Draft versions changed accordingly. No change was made to the schedule for the Final version, because any follow-on work will come under the next contract; however, additional delays are anticipated. **This document is important but not critical.**
- Fourth Five-Year Review Report for Multiple Groundwater, Soil, and Sediment Sites: No change was made to the schedule. The Air Force has received comments

from the EPA, DTSC, and Water Board and is working on responses. Mr. Anderson noted that many comments could have a significant impact on the restoration program, and it will take time to finalize all Air Force responses and have all parties accept them. This document will likely not be finalized until January or February 2019, or later. **This document is very important but not critical.**

- Potrero Hills Annex (FS, PP, and ROD): No change was made to the schedule. Responses to Water Board comments on the risk assessment work plan are being prepared by the Potrero Hills contractor.
- Site LF006 Technology Demonstration Work Plan: No change was made to the schedule. Ms. Burke noted that the EPA will not review this document. Ms. Constantinescu added that Water Board comments would be provided by 28 September. DTSC's comments have been received by the Air Force.
- Site SS016 Horizontal Well Replacement Work Plan Technical Memorandum: This is a new document. Construction of the KC-46 hangar will require decommissioning and replacement of the horizontal well. Ms. Burke indicated that the EPA considers this a primary document. Mr. Anderson and Mr. Duke agreed to move it to the primary documents list. The work plan will be given to the construction contractor once it is finalized.
- Quarterly Newsletters (July 2018): The Predraft of the October 2018 newsletter will be sent to the AF Service Center on 26 September 2018. The regulatory agencies will receive the draft copy on 5 October 2018.
- 2017 Annual GRISR: There was no change to the schedule. Ms. Royer and Mr. Anderson noted that this document is not as critical as some others, and comments are not expected until November 2018. Ms. Royer requested that, if the agencies have comments on the 4Q2018 sampling plan, to please let her know in time for changes to be incorporated into the October/November monitoring event. If not, proposed changes will be incorporated into the 2Q2019 sampling event. Ms. Constantinescu requested that a discussion of the monitoring plan be added to the agenda for the October RPM Meeting, so that agency comments and concerns relating to the 4Q2018 sampling event are addressed ahead of the monitoring event.
- Site FT005 Extraction System Optimization Report: The Final was submitted on 23 August 2018. This document will be moved to the History section.
- Site LF044 Sediment Sampling Report: The Final was submitted on 24 August 2018. This document will be moved to the History section.
- 2017 Annual CAMU Monitoring Report: The Draft Final and Final due dates were changed to 18 September 2018.
- Emulsified Vegetable Oil Sites FT004, SS015, SD031, and SD036 Optimization Injections Report: No changes were made to the schedule; however, the Air Force person responsible for the document was changed to Gene Clare. This is a lower priority document.

- Site SS015 Soil Sampling Results Technical Memorandum. This is a new document intended to confirm the presence of soil contamination beneath the parking lot at Site SS015, so that future remedial action can be taken if necessary in the event that the Air Force requests use of this portion of the base to support the Travis AFB mission. Ms. Burke asked if the sampling results will change the land-use controls for the site. Mr. Anderson said it would not change them.
- Subarea LF007C Total Petroleum Hydrocarbon Chromatogram Review Technical Memorandum: This is a new document reviewing the TPH sampling, analysis, and data interpretation for the LF007C Groundwater Treatment System, to be provided to the Water Board.
- AOC TA500 POCO Well Decommissioning and Site Closeout Technical Memorandum: This is a new document; dates will be assigned ahead of the October RPM Meeting. Ms. Burke requested that “POCO” be removed from the document title since it is not a petroleum site. Mr. Anderson agreed to this change.
- Monitoring Well Installation Technical Memorandum for Site DP039, Addendum to the Site DP039 Remedial Action Construction Completion Report: This document has been moved to History.

2. CURRENT PROJECTS

Treatment Plant Operation and Maintenance Update

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

The South Base Boundary Groundwater Treatment Plant (SBBGWTP) performed at 99.2% uptime, and 6.7 million gallons of groundwater were extracted and treated in August 2018. All treated water was discharged to Union Creek. The average flow rate for the SBBGWTP was 157 gallons per minute (gpm). Electrical power usage was 17,752 kWh, and approximately 13,937 pounds of CO₂ were created (based on DOE calculation). Approximately 1.2 pounds of volatile organic compounds (VOCs) were removed in August. The total mass of VOCs removed since startup of the system is 504.2 pounds.

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

In August 2018, troubleshooting was performed on several extraction wells, and several maintenance activities were performed on the treatment system. The lead GAC vessel was changed out on 9 August, requiring the SBBGWTP to be shut down for approximately 6 hours.

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

The Central Groundwater Treatment Plant (CGWTP) performed at 100% uptime with approximately 1,131,622 gallons of groundwater extracted and treated in August 2018. All treated water was discharged to the storm sewer system which discharges to Union Creek. The average flow rate for the CGWTP was 27.9 gpm. Electrical power usage was 2,041 kWh for all equipment connected to the Central Plant, and approximately 2,398 pounds of CO₂ were generated. Approximately 2.6 pounds of VOCs were removed from groundwater by the treatment plant in August. The total mass of VOCs removed since the startup of the system is 11,500 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 August 2018.

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

The Subarea LF007C Groundwater Treatment Plant (LF007C GWTP) performed at 100% uptime with approximately 202,260 gallons of groundwater extracted and treated in August 2018. All treated water was discharged to the Duck Pond for beneficial reuse. The average flow rate was 4.7 gpm. Approximately 1.9×10^{-3} pound of VOCs was removed from groundwater by the treatment plant in August 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 August 2018.

A forthcoming technical memo regarding TPH detections and chromatograms will recommend discontinuation of TPH sampling at the LF007C GWTP.

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

Site ST018 (MTBE) Treatment Plant (ST018 GWTP) performed at 100% uptime with approximately 144,830 gallons of groundwater extracted and treated in August 2018. All treated water was discharged to the Fairfield – Suisun Sewer District. The average flow rate for the ST018 GWTP was 3.6 gpm. Electrical power usage for the month was 73 kWh for all equipment connected to the ST018 GWTP. The total CO₂ equivalent, including an estimate for the carbon change-out, equates to approximately 54 pounds. Approximately 0.13 pound of MTBE, BTEX, VOCs, and TPH was removed in August by the treatment plant, and approximately 0.05 pound of MTBE-only was removed from groundwater. The total BTEX, MTBE and TPH mass removed since the startup of the system is 45.8 pounds, and the total MTBE mass removed since startup of the system is 11.1 pounds.

Note: Electrical power use at the ST018 GWTP is only for the alarm system and a pump that pushes water through the GAC vessels for treatment. The four groundwater extraction pumps in the system are all solar powered.

No optimization activities are reported for the month of August 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 7 for the full briefing.

4. New Action Item Review

Mr. Duke will add discussion of the 4Q2018 GRIP sampling to October RPM Meeting Agenda.

5. PROGRAM ISSUES/UPDATE

No program issues or updates were reported.

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

3.	Lonnie Duke	Mr. Duke will add discussion of the 4Q2018 GRIP sampling to October RPM Meeting Agenda.	17 October 2018	Closed
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