

**Travis Air Force Base
Environmental Restoration Program
Remedial Program Manager's
Meeting Minutes**

16 January 2013, 0930 Hours

Mr. Mark Smith, Travis Air Force Base (AFB), conducted the Remedial Program Manager's (RPM) meeting on 16 January 2013 at 0930 hours, at Travis AFB, California. Attendees included:

- Mark Smith Travis AFB
- Glenn Anderson Travis AFB
- Lonnie Duke Travis AFB
- Gregory Parrott Travis AFB
- Merrie Schilter-Lowe Travis AFB
- Dezso Linbrunner United States Army Corp of Engineers (USACE)
Omaha District
- Adriana Constantinescu California Regional Water Quality Control Board
(RWQCB)
- Jose Salcedo California Department of Toxic Substances Control
(DTSC)
- Nadia Hollan Burke United States Environmental Protection Agency
(USEPA)
- Daniel Stralka United States Environmental Protection Agency
(USEPA)
- Rich Freitas United States Environmental Protection Agency
(USEPA)
- Mary Snow Techlaw, Inc
- Mike Wray CH2M HILL
- Loren Krook CH2M HILL
- Leslie Royer CH2M HILL

Handouts distributed at the meeting and presentations included:

- Attachment 1 Meeting Agenda
- Attachment 2 Master Meeting and Document Schedule
- Attachment 3 SBBGWTP Monthly Data Sheet (November and December 2012)
- Attachment 4 CGWTP Monthly Data Sheet (November and December 2012)
- Attachment 5 NGWTP Monthly Data Sheet (November 2012)

- Attachment 6 ST018GWTP Monthly Data Sheet (November and December 2012)
- Attachment 7 Presentation: Program Update: Activities Completed, In Progress and Upcoming

1. ADMINISTRATIVE

A. Previous Meeting Minutes

The 28 November 2012 RPM meeting minutes were approved and finalized as written.

B. Action Item Review.

Action items from November were reviewed.

Action item 1 still open: Travis AFB to research beneficial reuse of treated water. AFCEE is in agreement with treated water reuse using Defense Environmental Restoration Account (DERA) funds under the authority of a “net-zero policy” for the Air Force. Update, 16 January 2013: Mr. Duke said that an Air Force energy reduction contractor is looking into the cost of installing a pipe to convey treated water from the central plant to the duck pond.

Action item 2: (give a ROD presentation to agencies) completed at January 2013 RPM meeting, and closed.

Action item 3: (EPA and DTSC to email distribution list for the ROD) completed and closed.

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 held on 20 February 2013 at 0930 hours.

Travis AFB Master Document Schedule

— Groundwater Record of Decision (ROD): No change to the schedule.

— 3rd Five-Year Review: Scoping meeting date changed to reflect actual date. No date changes to rest of the schedule.

— Potrero Hills Annex: (FS, PP, and ROD): No change to schedule. The responsible parties started the investigation fieldwork on 29 November 2012. Mr. Anderson and Mr. Duke made a visit in December 2012 and learned that the adjacent business had tapped into the aquifer which had tested positive for perchlorate, and was using it for drinking water. The responsible parties

acknowledged and agreed to provide clean drinking water. One of the options considered was to run a hose from the clean drinking water source upgradient from the perchlorate contamination. Ms Burke asked if the concern with the drinking water off site is the plume at the well or is it an exposure issue. According to Mr. Anderson the issue is exposure. The adjacent business was using a cistern that taps into surface water that had confirmed test results for perchlorate. Mr. Anderson said the key point is that the responsible parties need to provide clean drinking water to the adjacent business.

- Old Skeet Range Action Memorandum: Predraft to AF/Service Center date has been updated 10 January 2013 to reflect the actual date. The rest of the dates remain TBD. The full document schedule will be updated for the February RPM meeting.
- Vapor Intrusion Update Technical Memorandum: Response to comments due date has been changed to TBD. The draft final and final due has been revised to 31 January 2013.
- Quarterly Newsletter (January 2013): No change to the schedule.
- 2012 Groundwater Sampling and Analysis Program Technical Memorandum: Document went final. Will be moved to history.
- Groundwater Remediation Implementation Status Report: New document. This is a transitional report that combines the Groundwater Sampling Analysis Program (GSAP) Annual Report, Remedial Process Optimization (RPO) sampling, and treatment plant operation and maintenance report.
- Kinder Morgan LF044 Land Use Control Report: New Document. Dates are TBD. Mr. Anderson provided a brief history. Travis AFB wanted to build a second fuel tank farm. A couple of locations were being considered: two on pristine property and another at Site LF044, a Land Use Control site (LUC) that is contaminated with asphalt and concrete. Because this is an industrial project, it made sense to build the tank farm on the LUC site. The purpose of the report is to document the soil contamination removal and transportation to a landfill. The tank farm occupies most of the LUC site's footprint, leaving a smaller percentage of land that still needs contaminant removal. The report will also record what contamination is left and document it. Because the LUC site contamination has been significantly reduced, it may be possible to clean up the residual soil contamination to residential standards. Mr. Smith said that would be evaluated with the next performance-based contract in accordance with the Air Force's policy of reducing its environmental liabilities and of accelerated site closeout.
- FT005 Remedial Action Completion Report: Moved to history.
- 2011 Groundwater Treatment RPO Annual Report: Moved to history.

2. CURRENT PROJECTS

Treatment Plant Operation and Maintenance Update

Mr. Duke reported on the treatment plant status.

South Base Boundary Groundwater Treatment Plant (see Attachment 3)

November: The South Base Boundary Groundwater Treatment Plant (SBBGWTP) performed at 29.7% uptime, and 1.1 million gallons of groundwater were extracted and treated during the month of November 2012. All of the treated water was discharged to Union Creek. The average flow rate for the SBBGWTP was 84.8 gallons per minute (gpm). Electrical power usage was 3,540 kWh and approximately 4,850 pounds of CO₂ were created (based on DOE calculation). Approximately 0.57 pounds of volatile organic compounds (VOCs) were removed in November. The total mass of VOCs removed since startup of the system is 431 pounds.

Optimization Activities: On 15 November 2012, EW734x05 and EW735x05 were taken offline after samples collected from these wells during the GSAP event did not identify (ND) any contaminant concentrations. It is expected that these extraction wells will remain off line permanently unless contaminant concentrations are measured at these locations during future sampling events.

December: The South Base Boundary Groundwater Treatment Plant (SBBGWTP) performed at 86.9% uptime, and 1.6 million gallons of groundwater were extracted and treated during the month of December 2012. All of the treated water was discharged to Union Creek. The average flow rate for the SBBGWTP was 41.1 gallons per minute (gpm). Electrical power usage was 3,960 kWh and approximately 5,425 pounds of CO₂ were created (based on DOE calculation). Approximately 2.34 pounds of volatile organic compounds (VOCs) were removed in December. The total mass of VOCs removed since startup of the system is 433 pounds.

Optimization Activities: No optimization activities to report for the month of December.

Central Groundwater Treatment Plant (see Attachment 4)

November: The Central Groundwater Treatment Plant (CGWTP) performed at 80.2% uptime with approximately 1.2 million gallons of groundwater extracted and treated during the month of November 2012. All treated water was diverted to the storm drain. The average flow rate for the CGWTP was 36.4 gpm. Electrical power usage was 2,081 kWh for all equipment connected to the Central plant, and approximately 2,851 pounds of CO₂ were generated. Approximately 3.47 pounds of VOCs were removed from groundwater by the treatment plant in November. The total mass of VOCs removed since the startup of the system is 11,302 pounds.

Optimization Activities for WTTP: The WTTP remains off line since it was shut down in April 2010 for the ongoing rebound study. No additional optimization activities to report for the month of November.

Optimization Activities for CGWTP: No optimization activities to report for the month of November.

December: The Central Groundwater Treatment Plant (CGWTP) performed at 96.1% uptime with approximately 1.6 million gallons of groundwater extracted and treated during the month of December 2012. All treated water was diverted to the storm drain. The average flow rate for the CGWTP was 36.5 gpm. Electrical power usage was 2,592 kWh for all equipment connected to the Central plant, and approximately 3,551 pounds of CO₂ were generated. Approximately 6.38 pounds of VOCs were removed from groundwater by the treatment plant in December. The total mass of VOCs removed since the startup of the system is 11,309 pounds.

Optimization Activities for WTTP: The WTTP remains off line since it was shut down in April 2010 for the ongoing rebound study. No additional optimization activities to report for the month of December.

Optimization Activities for CGWTP: No optimization activities to report for the month of December.

North Groundwater Treatment Plant (see Attachment 5)

November: The North Groundwater Treatment Plant (NGWTP) performed at 100% uptime with approximately 5,970 gallons of groundwater extracted and treated during the month of November 2012. The average flow rate at the NGWTP, while operating, was 0.1 gpm and electrical power use was 435 kWh for all the equipment connected to the North plant; approximately 596 pounds of CO₂ was generated. Approximately 2.5×10^{-4} pounds of VOCs were removed from the groundwater in November. The total mass of VOCs removed since the startup of the system is 174.3 pounds.

Optimization Activities for NGWTP: No optimization activities to report for the month of November.

The NGWTP was shutdown on 30 November 2012 when ponded water was observed in seasonal vernal pools at Site LF007C. As required by US Fish and Wildlife Service (USFWS), extraction wells EW614x07 and EW615x07 will remain off line until the seasonal vernal pools are dry.

Site ST018 Groundwater (MTBE) Treatment Plant (see Attachment 6)

November: The Site ST018 (MTBE) Treatment Plant (ST018 GWTP) performed at 100% uptime with approximately 173 thousand gallons of groundwater extracted and treated during the month of November 2012. All treated water was diverted to the storm drain. The average flow rate for the ST018 GWTP was 4.0 gpm. Electrical power usage for the month was 117 kWh for all equipment connected to the ST018 GWTP plant, which equates to the creation of approximately 160 pounds of CO₂. Approximately 0.59 pounds of BTEX, MTBE and TPH were removed from

groundwater in November from the treatment plant. The total BTEX, MTBE and TPH mass removed since the startup of the system is 20.3 pounds.

Note: Electrical power use is only for the alarm system and a pump that pushes water through the GAC. The other pumps in the system are all solar powered.

Optimization Activities: No optimization activities to report for the month of November.

December: The Site ST018 (MTBE) Treatment Plant (ST018 GWTP) performed at 100% uptime with approximately 109 thousand gallons of groundwater extracted and treated during the month of December 2012. All treated water was diverted to the storm drain. The average flow rate for the ST018 GWTP was 2.5 gpm. Electrical power usage for the month was 76 kWh for all equipment connected to the ST018 GWTP plant, which equates to the creation of approximately 104 pounds of CO₂. Approximately 0.37 pounds of BTEX, MTBE and TPH were removed from groundwater in December from the treatment plant. The total BTEX, MTBE and TPH mass removed since the startup of the system is 20.7 pounds.

Note: Electrical power use is only for the alarm system and a pump that pushes water through the GAC. The other pumps in the system are all solar powered.

Optimization Activities: No optimization activities to report for the month of December.

3. Presentations

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

Mr. Wray reported on the status of field work and documents which are completed, in progress, and upcoming. Updates from the briefing this month included:

Completed Documents: 2012 GSAP Technical Memorandum.

Completed Field Work: GSAP Semiannual Sampling Event.

In-Progress Documents: Vapor Intrusion Update Technical Memorandum, Groundwater Record of Decision.

In-Progress Field Work: Replace electrical wiring for well field at Site SS030.

Upcoming Documents: 3rd Five-Year Review, 2012 Annual Groundwater Remediation Implementation Status Report, Old Skeet Range Action Memorandum, Kinder Morgan LF044 Land Use Control Report.

Upcoming Fieldwork: Annual GSAP Sampling Event (April).

4. New Action Item Review

None.

5. PROGRAM/ISSUES/UPDATE

Mr. Linbrunner announced that USACE will be managing the new Performance-Based Contract (PBC). Mr. Smith followed up by saying that Travis AFB is glad to have USACE overseeing the PBC and has appreciated all the support provided for the current PBC. Ms. Burke said that she was contacted by a contractor regarding the new PBC and asked how Travis AFB would like for EPA to handle these inquiries, and asked if all contractors should be allowed access to the same information. Mr. Smith said yes, we had a site visit available to all interested contractors and anyone contacting EPA may be soliciting additional information. Mr. Linbrunner requested Ms. Burke to direct any contractors asking questions regarding the new PBC to contact the Army Corps Contracting Officer Representative (COR)/USACE or refer them to the Public Record.

Ms. Burke announced that David Cooper with EPA is retiring, and his position will not be reassigned and to direct any of his correspondence to her.

6. Action Items

Item #	Responsible	Action Item Description	Due Date	Status
1.	Travis AFB	Research beneficial reuse of treated water and give update. Update (13 June 2012): AFCEE is in agreement with treated water reuse using Defense Environmental Restoration Account (DERA) funds under the authority of a "net-zero policy" for the Air Force. Update (15 August 2012): Mr. Duke reported that irrigation lines were destroyed by a communications contractor and not repaired because the system was inactive. Travis AFB will get the system design information to determine if the trunk line is still intact and repairs can be made to get the system running. Update, 16 January 2013: Mr. Duke said that an Air Force energy reduction contractor	February 2013	Open

		will look into the cost of installing a pipe to convey treated water from the central plant to the duck pond.		
2.	Travis AFB	Give a ROD presentation to agencies.	January 2013 RPM meeting	Closed
2.	EPA and DTSC	EPA and DTSC to email Travis AFB how many copies of the draft ROD are needed, and to provide names and addresses.	Mid-December	Closed