

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

21 October 2010, 1400 Hours

Mr. Mark Smith, Travis Air Force Base (AFB), conducted the Remedial Program Manager's (RPM) meeting on 21 October 2010 at 1400 in the Main Conference Room, Building 570, Travis AFB, California. Attendees included:

- Glenn Anderson Travis AFB
- Lonnie Duke Travis AFB
- Mark Smith Travis AFB
- Gregory Parrott Travis AFB
- Merrie Schilter-Lowe Travis AFB
- Dezso Linbrunner United States Army Corp of Engineers (USACE),
Omaha District
- Alan Friedman 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)
- Mary Snow Techlaw, Inc
- Rachel Hess ITSI
- Mike Wray CH2M HILL
- Loren Krook CH2M HILL
- Doug Berwick 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 (September 2010)
- Attachment 4 CGWTP Monthly Data Sheet (September 2010)
- Attachment 5 NGWTP Monthly Data Sheet (September 2010)
- Attachment 6 Presentation: SS015 and SD036 EVO Injection Implementation
Update
- Attachment 7 Presentation: Program Update: Activities Completed, In Progress
and Upcoming
- Attachment 8 Presentation: 2010 Field Schedule

1. ADMINISTRATIVE

A. Previous Meeting Minutes

The 22 September 2010 RPM meeting minutes were approved and finalized as written.

B. Action Item Review.

Action items from September were reviewed.

Action item one still open. No change.

Action item two still open. No change.

Action item three still open. No change

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 01 December 2010 at 09:30 PM.

Travis AFB Master Document Schedule

The RPM 08 December 2010 meeting has been changed to 01 December 2010.

— Focused Feasibility Study (FFS): No change.

— Proposed Plan (PP): No change.

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

— Comprehensive Site Evaluation Phase II: Dates changed to reflect draft submitted to agencies and RAB.

— Potrero Hills Annex: (FFS, PP, and ROD): No change.

— ISCO/ERD Technical Memorandum: Response to comments meeting date changed to coincide with the rescheduled RPM December's meeting. Ms. Burke mentioned that she is going to have Office of Research and Development (ORD) persons look at the technical Memo to keep them "in the loop".

— Site SS015 Work Plan: No change.

— Sites SS014 and ST032 Tier 1 POCO Evaluation Report: New document added for the benefit of the Water Board agency.

- Site ST018 POCO Field Implementation Report: New document added for the groundwater extraction treatment plant for the benefit of the Water Board agency.
- Quarterly Newsletter (October 2010): The Guardian has been completed.
- 2009/2010 GSAP: The 2009/2010 annual GSAP draft report is scheduled to go to the agencies on 19 November 2010.

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)

The South Base Boundary Groundwater Treatment Plant (SBBGWTP) performed at 97.1% uptime, and 4.1 million gallons of groundwater were extracted and treated during the month of September 2010. All of the treated water was discharged to Union Creek. The average flow rate for the SBBGWTP was 97.3 gallons per minute (gpm), and electrical power usage was 10,980 kWh. Approximately 15,043 pounds of CO₂ were created (based on DOE calculation); approximately 1.46 pounds of volatile organic compounds (VOCs) were removed in September. The total mass of VOCs removed since the startup of the system is 387 pounds.

Optimization Activities: None to report for the month of September.

Central Groundwater Treatment Plant (see Attachment 4)

The Central Groundwater Treatment Plant (CGWTP) performed at 99.5% uptime with approximately 1.66 million gallons of groundwater extracted and treated during the month of September 2010. All treated water was diverted to the storm drain. The average flow rate for the CGWTP was 38.6 gpm, and electrical power usage was 62 kWh for all equipment connected to the Central plant; approximately 85 pounds of CO₂ were created. Approximately 5.38 pounds of VOCs were removed from groundwater in September. The total mass of VOCs removed since the startup of the system is 11,192 pounds.

Optimization Activities: On 27 September 2010, the system was shut down for a short period to facilitate GAC removal from three 2,000-pound vessels prior to their relocation to the new GET system for site ST018.

The West Treatment and Transfer Plant (WTP) remains turned off for the ongoing rebound study.

North Groundwater Treatment Plant (see Attachment 5)

The North Groundwater Treatment Plant (NGWTP) performed at 100% uptime with approximately 17,230 gallons of groundwater extracted and treated during the month of September 2010. The average flow rate of the NGWTP was 0.40 gpm, and electrical power use was 465 kWh for all the equipment connected to the North plant; approximately 637 pounds of CO₂ were created. The amount of VOCs removed was very low and consequently difficult to measure. The total mass of VOCs removed since the startup of the system is 656 pounds (see **Attachment 5**).

Optimization Activities: None to report for the month of September.

3. Presentations

SS015 and SD036 Updates (see Attachment 6)

Mr. Berwick gave the presentations on SS015 and SD036.

The key points made for site SS015 presentation included:

- Install three injection wells near the existing monitoring well MW216x15. Shown in attached map.
- Install four monitoring wells to close data gaps for the characterization. The monitoring wells will be 4 inch wells to allow Emulsified Vegetable Oil (EVO) injection, if needed.
- Complete baseline sampling scheduled in November 2010. The subsequent sampling: quarterly for the first year, and annually thereafter.
- Inject about 5,100 lbs of EVO into the source area using the newly installed injection wells.
- Prepare a completion report after the EVO injection has been completed.
- Evaluate ongoing progress in monthly data sheets and annual O&M reports.

Mr. Berwick provided a map of site SS015 that illustrated where the new injection wells and monitoring wells are being installed in relation to the high TCE concentration.

The key points made on site SD036 presentation included.

- Install eight injection wells in the “hot spot”. No additional monitoring wells need to be installed.
- Complete baseline sampling scheduled in November 2010.
- Inject approximately 19,200 lbs of EVO into the newly installed injection wells.
- Initiate performance monitoring of the remedy optimization.

- Prepare a completion report after the EVO injection has been completed.
- Evaluate ongoing progress in monthly data sheets and annual O&M reports.

Mr. Berwick provided a map of site SD036 that illustrated where the new injection wells are being installed in relation to the high TCE concentration.

No questions were asked during this presentation.

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. See Attachment 7 for details.

2010 Field Schedule (see Attachment 8)

Mr. Wray reported on the 2010 Field Schedule. See attachment 8 for details.

Mr. Smith said that the Air Force Project Management office in San Antonio, the Remedial Process Optimization (RPO) team, is looking at the decision logic for the groundwater sampling and groundwater treatment operation. The group has been reviewing presentation slides that have been presented in the Travis AFB RPM meetings on all cleanup methods. Based on what they observe, the team will present recommendations in February 2011. Mr. Smith stressed it was for CH2M HILL's consideration. The decision logic is similar to what is in the GSAP already and helps to determine the wells to sample and those you want to extract groundwater from. Once Travis receives this information from the RPO team, it will be shared with CH2M HILL to use as they see fit as part of the Groundwater Sampling Analysis Program (GSAP).

4. New Action Item Review

There are no new action items.

5. PROGRAM/ISSUES/UPDATE

A) Tyndall RPM Assistance Visit: Mr. Smith is going to Tyndall AFB in Florida on temporary assignment starting on 25 October 2010 through 29 January 2011, possibly longer. Mr. Smith assume the Environmental RPM duties at Tyndall and said he is looking forward to the opportunities and challenges.

General Discussion

Mr. Smith provided copies of the draft 2011 RPM/RAB schedule so that all may review and place the dates on their calendars. The January RPM date was changed back to the original date of 26 January 2011. Mr. Smith explained the importance of everyone being able to attend the meetings in order to facilitate decision-making and participate in the streamlined presentations in the RPM meetings.

7. Action Items

Item #	Responsible	Action Item Description	Due Date	Status
1.	Travis AFB	Petition to have the Lysimeter removed.	TBD	Open
2.	Travis AFB	Research beneficial reuse of treated water and give update.	TBD	Open
3.	EPA	Review past site closure completion reports to determine if future site closure reports are necessary.	TBD	Open