

**Travis Air Force Base
Environmental Management
Environmental Management, Building 570, Travis AFB, California
Environmental Restoration Program
Remedial Program Managers Meeting
Meeting Minutes**

11 February 2004, 0930 Hours

Mr. Glenn Anderson from Travis Air Force Base (AFB) conducted the Remedial Program Managers (RPM) meeting held on 11 February 2004 at 0930 in Environmental Management, Building 570, Travis AFB, California. Attendees included:

- Glenn Anderson Travis AFB
- Dale Malsberger Travis AFB
- Wilford Day Travis AFB
- Tom Sreenivasan Travis AFB
- Roby Gregg Air Force Center for Environmental Excellence (AFCEE)
- Gregory Parrott Travis AFB
- John Lucey U.S. Environment Protection Agency (U.S. EPA)
- Elizabeth Allen TechLaw
- Sarah Raker Regional Water Quality Control Board (the Water Board)
- Jose Salcedo Department of Toxic Substances Control (DTSC)
- Mike Wray CH2M Hill
- Amir Matin URS
- Elise Willmeth URS
- Eric Rixen Shaw Engineering and Infrastructure (Shaw E&I)

Handouts distributed throughout the meeting included:

- Attachment 1 Meeting Agenda
- Attachment 2 Master Meeting, Teleconference, and Document Schedules
- Attachment 3 Proposed Locations to Re-Sample Union Creek
- Attachment 4 SBBGWTP Monthly Data Sheet (January 2004)
- Attachment 5 CGWTP Monthly Data Sheet (January 2004)
- Attachment 6 NGWTP Monthly Data Sheet (January 2004)
- Attachment 7 URS Field Activities, Travis AFB (January 2004)

1. ADMINISTRATIVE

A. Previous Meeting Minutes

The meeting minutes from the December 2003 RPM meeting were approved with changes and finalized.

B. Master Meeting and Document Schedule

The revised Travis AFB Master Meeting, Teleconference, and Document Schedules were distributed (see Attachment 2).

Travis AFB Master Meeting and Document Schedule

- Page 2, SD042 Remedial Action Report schedule was updated. Agencies did not generate comments, resulting in final due date being changed to 28 January 2004.
- Page 2, Corrective Action Management Unit (CAMU) Phase 2 – Project Summary Report schedule was established.
- Page 4, Groundwater Sampling and Analysis Program (GSAP) Annual Report response to comments meeting was changed to not applicable (NA). Mr. Sreenivasan stated that the response to comments and final due date has been delayed to 20 February 2004.
- Page 5, Quarterly Newsletter for the 22 April 2004 RAB schedule was updated.

Note: Ms. Raker requested that all references to the RWQCB be changed to the Water Board.

2. OPERABLE UNIT UPDATE

A. North, East, West Industrial Operable Unit

1. NEWIOU ROD Plan of Action and Milestone

a. Ecological Technical Memorandum

Mr. Malsberger stated that the Air Force submitted via email to the regulatory agencies the minutes of the last Ecological Technical Memorandum meeting.

The risk assessors met on 10 February 2004 and agreement was reached on many issues. A revised Ecological Technical Memorandum will be submitted after the sampling data have been received.

Mr. Lucey stated that there was a caveat to confirm that upland site samples at depth do not have contamination. The data and sampling for Union Creek would be an appendix to the technical memorandum.

Ms. Allen asked where the risk management decision would be documented. Mr. Malsberger stated in Chapter 7. Ms. Allen stated that the risk assessment is a technical assessment depicting the strength and limitation of the data. Ultimately, a risk management decision, which is a subjective judgment, should be in the record of

decision and not in the risk assessment itself. It is almost a Tier II ecological risk assessment.

Mr. Malsberger stated that the Ecological Technical Memorandum is not a risk assessment document. It is an ecological technical memorandum that includes risk assessment along with risk management decision rationale.

Mr. Malsberger stated that it may require the Air Force to create a revised Table 6-1 that includes recommendations for action or no action. Section 7 would have a table of each site.

The Air Force will expand the tables to include Tiers I and II and incorporate the results of the Union Creek sampling. This will result in a new Table 6-1.

Ms. Raker requested that the approach and the risk management decision be explained.

Mr. Lucey also reported that the risk assessors thought the name of the report should be changed. It was agreed that the report would continue to be called an ecological technical memorandum.

b. Union Creek Sampling

Mr. Malsberger distributed the proposed sampling locations at Union Creek (see Attachment 3).

All locations were previously sampled for the same analytes; therefore, direct comparison will be made. Mr. Malsberger requested that the agencies review the proposed locations and submit comments.

Samples of sediment and surface water will be collected.

Mr. Malsberger stated that it is a biased sampling approach.

Ms. Raker requested data quality objectives (DQOs) and the rationale for the proposed locations. Mr. Malsberger will provide an email explaining the rationale for the sampling.

Mr. Lucey recommended that sampling take place upstream of the duck pond. In addition, an exploratory characterization of Union Creek should be conducted in order to get sediment depth profile.

Mr. Lucey stated that he is in agreement with the sampling plan; however, he would like the Air Force to provide the following information:

- Representativeness of the background sampling;

- Upstream sampling of the duck pond;
- Depth of sediment (survey of sediment thickness);
- Vertical characterization (depth profile); and
- Data on the spawning areas for salmon.

Ms. Raker asked what will be done with the data. There is no point in the comparison because of what has gone on at Union Creek. What should be determined is whether or not the current habitat is a risk to receptors. Mr. Malsberger stated that the natural inclination is to determine what has happened since the old samples were collected. The comparison will not be a big decision-making component.

Ms. Raker requested a written rationale on the proposed sampling to be conducted.

Ms. Raker requested that Ms. Lynn Suer consult on this project and review the proposed sample locations.

Ms. Raker asked if it is possible for the Compliance Division to give a brief presentation on the Stormwater Pollution Prevention Plan at Travis AFB.

3. CURRENT PROJECTS

A. South Base Boundary Groundwater Treatment Plant

Mr. Sreenivasan reported that the South Base Boundary Groundwater Treatment Plant (SBBGWTP) performed at 99.2% uptime with approximately 5.9 million gallons of groundwater extracted and treated during the month of January 2004. The average flow for the SBBGWTP was 132 gallons per minute (gpm). Approximately 4 pounds of volatile organic compounds (VOCs) was removed during January 2004. The total mass of VOCs removed since startup of the system is 241 pounds (see Attachment 4).

The plant experienced periodic shutdowns throughout the month in support of connecting the new FT005 extraction wells.

Specific optimization activities pertaining to extraction wells shutdown on sites SS029, SS030, and FT005 are under regulatory review. Based on the consensus reached between parties, the selected activities will be implemented.

Mr. Sreenivasan received an email from Ms. Raker regarding the above-mentioned wells to be shut down which stated that the Water Board agrees with the recommendations and implementation would be appropriate.

FT005 Off-Base Project Update

Connection of the newly installed extraction wells to the SBBGWTP is complete. Also the startup and shakedown of the expanded system is complete. A sample will be collected each week for a four-week period; the sample will be collected from the effluent stream and used to evaluate system effectiveness. URS, CH2M Hill, and Travis AFB met to coordinate transfer of the system responsibilities.

B. Central Groundwater Treatment Plant

Mr. Sreenivasan reported that the Central Groundwater Treatment Plant (CGWTP) performed at 97.1% uptime with approximately 3.8 million gallons of groundwater extracted and treated during the month of January 2004. The average flow for the CGWTP was 86.6 gpm. Approximately 394 pounds of VOCs (of which 373 pounds were from vapor) were removed during January 2004. The total mass of VOCs removed since startup of the system is 4,743 pounds (see Attachment 5).

The thermal oxidation system continued to treat soil vapor from the 2-phase well as part of the SS016 focused vapor extraction activities. System vapor samples are scheduled to be collected again in March 2004.

The West Treatment and Transfer Plant vacuum blowers remain off line during the rebound study. Rebound samples will be collected and analyzed in March 2004.

All treated water is being diverted to the storm sewer which is the standard operating procedure during the winter months. The Air Force will resume irrigation of Area 200 in the spring.

Specific optimization activities pertaining to extraction wells on sites SD037 and SD043 are under regulatory review. Also, recommendations for the closure of free product sites SD034, ST032, and SS014 will be provided to the agencies prior to the next RPM meeting for their concurrence. Selected activities will be implemented as soon as go-ahead is given.

C. North Groundwater Treatment Plant

Mr. Sreenivasan reported that the North Groundwater Treatment Plant (NGWTP) performed at 100% uptime with approximately 1.1 million gallons of groundwater extracted and treated during the month of January 2004. The average flow for the NGWTP was 24.1 gpm. Less than a pound of vapor and groundwater VOC mass was removed through extraction during January 2004. The total mass of VOCs removed since startup of the system is 5,121 pounds (see Attachment 6).

The NGWTP experienced no shutdowns during the month of January 2004.

The soil vapor extraction system remained off line due to water levels above the well screens.

All treated groundwater from the plant was sent to the duck pond for beneficial use.

The total suspended solids numbers that were reported last month were correct and they are in micrograms per liters.

D. SS015 Monitoring Wells Location

Mr. Sreenivasan stated that the five base monitoring wells (MW104x15, MW105x15, MW216x15, MW238x15, and MW315x15) shall be retained at the site along with two new wells. The RPMs discussed possible locations for the new wells.

Mr. Malsberger distributed an overlay of the proposed SS015 monitoring well locations for the agencies to review. The construction will begin in the summer of 2004.

The agencies will provide comments at the next agency teleconference.

E. CAMU Phase 2 Project Summary Report

Mr. Malsberger stated that the draft CAMU Phase 2 Project Summary Report will be submitted on 19 February 2004.

The Air Force will give a presentation to the Water Board in Oakland, California, on 24 March 2004.

F. CAMU Wetland Mitigation Performance Criteria

Mr. Malsberger stated that Shaw E&I will do a three- to four-day survey during April and June to determine if additional action is required to develop vernal pools and wetlands.

G. LF008 Soil Remedial Action Report Review

Mr. Anderson stated that the LF008 Soil Remedial Action Report is being reviewed by agencies and the Restoration Advisory Board (RAB).

H. DP039 Optimization

This will be discussed after today's meeting.

I. Restoration Advisory Board Update

Mr. Sreenivasan stated that the January 2004 RAB debrief resulted in drafting the *Guardian* articles and the meeting presentations for the April 2004 RAB.

A middle school environment education project is under development between URS and Travis AFB public affairs office. It is planned to take place prior to the

next RAB meeting in April 2004. Agency participation in this project will be appreciated.

The next RAB meeting will be 22 April 2004 at 7:00 p.m. at the Northern Solano County Association of Realtors office in Fairfield.

4. PROGRAM ISSUES UPDATE

A. Project Funding and Prioritizing

Mr. Anderson stated that the Travis AFB environmental projects have been validated and the Air Force anticipates receiving all requested funds for fiscal year 2004.

B. Field Activity Reports

Mr. Anderson distributed the field activity reports from URS (see Attachment 7).

ACTION ITEM LIST

(Action Items Closed)

ITEM #	RESPONSIBLE	ACTION ITEM	DUE DATE	STATUS
1.	Agencies	Letter emphasizing the need for the optimization of DP039.	Open	DP039 has been validated and the Air Force has received full funding. DTSC submitted a letter to AMC expressing the importance of this project. Completed. Item Closed.
2.	Air Force	Update SD042 schedule.	Open	Completed. Item Closed.

ACTION ITEM LIST

(Action Items Open)

ITEM #	RESPONSIBLE	ACTION ITEM	DUE DATE	STATUS
1.	Air Force	To provide evaluation of the FT004 monitoring well (MW131x04) to be converted to an extraction well	18 February 2004	Ongoing.
2.	Air Force	To develop a presentation on the CAMU to the Water Board's landfill regulators.	24 March 2004	Pending. To be presented by Mr. Malsberger along with CH2M Hill and Shaw representatives. Tentative date is 24 March 2004.
3.	Air Force	Develop the NFRAP document for SS041.	May 2004	Ongoing.
4.	Agencies	To provide comments on proposed locations for SS015 monitoring wells.	11 February 2004	The Environmental Flight is still working with Civil Engineering to identify the locations of and install the monitoring wells. Two new wells will be installed in the summer 2004. Ongoing.
5.	Air Force	Provide rationale for the proposed locations to re-sample at Union Creek	25 February 2004	New Item
6.	Agencies	To have risk assessors review proposed locations to resample at Union Creek	10 March 2004	New Item.