

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

8 September 2004, 0930 Hours

Mr. Glenn Anderson, Travis Air Force Base (AFB), conducted the Remedial Program Managers (RPM) meeting held on 8 September 2004 at 0930 in the Base Civil Engineering Conference Room, Building 570, Travis AFB, California. Attendees included:

- Glenn Anderson Travis AFB
- Dale Malsberger Travis AFB
- Tom Sreenivasan Travis AFB
- Wilford Day Travis AFB
- Roby Gregg AFCEE
- Gregory Parrott 60 AMW/JA
- John Lucey U.S. Environment Protection Agency (U.S. EPA)
- Elizabeth Allen TechLaw
- Alan Friedman Water Board
- Jose Salcedo Department of Toxic Substances Control (DTSC)
- Mike Wray CH2M Hill
- Amir Matin URS
- Kenneth Richardson 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 SBBGWTP Monthly Data Sheet (August 2004)
- Attachment 4 CGWTP Monthly Data Sheet (August 2004)
- Attachment 5 NGWTP Monthly Data Sheet (August 2004)
- Attachment 6 URS Field Activities, Travis AFB (August 2004)

1. ADMINISTRATIVE

A. Previous Meeting Minutes

The meeting minutes from the August 2004 RPM meeting had not been reviewed by EPA or DTSC. Travis AFB will finalize the minutes after the regulatory review is complete.

B. Master Meeting and Document Schedule

There were no changes to any dates on the Travis AFB Master Meeting, Teleconference, and Document Schedules. Mr. Anderson reported the Guardian is a little ahead of schedule, and the finalization date of 28 March 2005 was added to the schedule for the GSAP annual report (see Attachment 2).

2. OPERABLE UNIT UPDATE

A. North, East, West, Industrial Operable Unit ROD Plan of Action and Milestones

1. Ecological Technical Memorandum

a. Union Creek Sampling

Mr. Malsberger has received preliminary results on the tissue sample results. As soon as these results are validated he will pass them on to the agencies.

2. Human Health Technical Memorandum

Mr. Malsberger said the revised draft of this memorandum would be submitted in six to eight weeks.

a. Vapor Intrusion

Mr. Malsberger said he was working on the changes to the vapor intrusion paragraph and table requested by Mr. Lucey. A revised paragraph will be provided to the RPMs this week.

3. Draft Soil Remedial Designs for FT003

Mr. Malsberger said he sent an email last Thursday with the preliminary response to comments. Mr. Lucey said he had not reviewed the comments. Mr. Malsberger emphasized the draft final needs to be completed by the end of this month as the contract to produce the draft final ends then. Mr. Lucey asked Mr. Malsberger if he had sent the emails to Ms. Sonce DeVries Mr. Malsberger said he had.

3. CURRENT PROJECTS

A. South Base Boundary Groundwater Treatment Plant

Mr. Sreenivasan reported that the SBBGWTP performed at 100% uptime with approximately 4.9 million gallons of groundwater extracted and treated during the month of August 2004. The average flow was 137 gpm. Approximately

2.0 pounds of VOCs were removed during August 2004. The total mass of VOCs removed since start-up of the system is 258 pounds (see Attachment 3).

The plant experienced no shutdown during the month of August 2004.

Approximately 3,000 gallons of hydrant pit water was processed through this plant during August.

No optimization activities were planned or performed at this plant during August 2004.

B. Central Groundwater Treatment Plant

Mr. Sreenivasan reported that the CGWTP performed at 100% uptime with approximately 3.2 million gallons of groundwater extracted and treated during the month of August 2004. The average flow was 71.4 gpm. Approximately 46 pounds of VOCs (of which 30.7 lbs are from vapor) were removed during August 2004. The total mass of VOCs removed since start-up of the system is 5,502 pounds (see Attachment 4).

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 September 2004 (quarterly frequency) which will provide direction for future operations.

The West Treatment and Transfer Plant (WTTP) vacuum blowers remain off line during the rebound study. Rebound sample will be collected and analyzed in September 2004 (semi annual frequency).

Base power outage at WTTP resulted in SCADA communication failure. The resulting plant downtime lasted about 25 hours. WTTP went offline due to construction activities in support of the sound wall project.

Approximately 1.76 million gallons of the 3.2 million gallons of treated water from this plant was used for irrigation this month. The remainder was discharged to the storm drain.

No optimization activities were planned or performed at this plant during August 2004.

C. North Groundwater Treatment Plant

Mr. Sreenivasan reported that the NGWTP performed at 99.4% uptime with approximately one million gallons of groundwater extracted and treated during the month of August 2004. The average flow was 20.8 gpm. Approximately 22 pounds of VOCs were removed during August 2004 of which 21 pounds were from vapor and one pound from groundwater through

extraction. The total mass of VOCs removed since the startup of the system is 5,344 pounds (see Attachment 5).

The plant experienced one shutdown during the month of August which was due to installation of solenoid valve at NGWTP as part of LF007C extraction well connection.

Monthly groundwater sampling was performed on 11 August 2004.

Two new extraction wells (EW614x07 and EW615x07) were started on 30 August 2004 and add approximately 3 gallons per minute to the North plant flow rate.

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

D. FT004 Enhanced TCE Removal

The dig permit for the Geo probe investigations is in the process of being completed. The actual site investigation with the Geo probe for optimum well location will take place during the week of 13 September 2004. Two weeks after that, the installation of three extraction wells will start. It is anticipated that the project will be completed by the end of October 2004.

E. CAMU

1. CAMU Wetland Mitigation Performance Criteria

Mr. Malsberger stated he had sent out a CD-Rom of this document to the RPMs along with the CAMU Manual.

2. CAMU O&M Manual

Mr. Malsberger stated the name of this manual has been changed to the CAMU Inspection, Monitoring, and Maintenance Manual.

He also mentioned that the 3rd quarter CAMU inspection report had been sent by email. Mr. Lucey asked what was the finding of the report. Mr. Malsberger said that the 3rd quarter inspection report has very little to report. Since it had not rained, the monitors do not show any run off or infiltration. The gas well sampling showed that methane was not a problem. The security and erosion were okay. During this dry season Travis AFB has serviced the measuring tanks by cleaning them of algae and making them ready for the rainy season. The tanks were cleaned and filled so the Air Force will have accurate results when the rain starts.

Mr. Lucey said maybe a written report for the summer months is not needed. Mr. Malsberger said now that the Air Force have standardized the report, it

will not require much effort to update. The Air Force will consider cutting back on the reports for the summer. The yearly summarizing report is the big one. So far Travis AFB HAS had less than an inch of infiltration since monitoring of the CAMU, but last year was a dry year.

Mr. Lucey said he is considering an ET cap at Mare Island. Mr. Malsberger said we can not assume ET caps will work everywhere. Mr. Martin said there is a study that shows where ET caps work and where they don't. Most of California was okay for an ET cap. You need a lot of steady rain to get infiltration. Problems arise when there is over 20 inches of rain a year. Mr. Martin will email Mr. Lucey the link to get the ET cap study.

F. LF007 C Groundwater Interim Remedial Action

Mr. Malsberger said a walk through was performed on the LF007 extraction system yesterday and the system has been turned over to the NGWTP. The Air Force is getting approximately 3 to 4 gallons per minute from the wells. We hope that at this rate, we will have a fairly quick clean up but we will have to see what the GSAP results show us. He told Mr. Friedman he appreciated the quick start up approval.

The Draft LF007C Completion Report will be provided in a month and will summarize the details of the remedial action.

G. Finalize and Distribute RW013 Close out Report

Mr. Anderson collected the signature letters and provided a copy of the Air Force signature letter.

H. DP039 Optimization Project

Mr. Anderson said the Haloprobe data from the SCAPS rig field work has been received and based on that report further investigation will be planned. The report shows no real evidence of DNAPL. There is also no evidence of a leach field. In the NW corner of the investigation area, there are indications of contaminated groundwater that need further investigation. The SCAPS rig met refusal at several locations toward the eastern side of the investigation area. In some areas it took forever to get from 10 to 15 feet and then had no problems in going down to 30 feet. The plan is to get a local hydro punch firm to conduct further groundwater investigation. For areas where hydro punch can not reach the intended depths, we may use an auger rig. A copy of where we propose to sample will be provided at the next RPM meeting. Sampling locations will then be finalized, and the base expects to start groundwater sampling on 18 October 2004.

The Utah State University is on base and will show us what they are doing. Dr. Bill knows what is happening and has been doing it for quite awhile. This will take place right after this meeting.

Mr. Salcedo asked for a copy of the Haloprobe report. Mr. Anderson said he would provide a copy.

4. PROGRAM ISSUES UPDATE

A. Land Use Control Response Status

Mr. Anderson said Air Mobility Command (AMC) is reviewing this and Travis AFB does not have any additional information to provide.

B. Remedial Process Optimization

Mr. Anderson said a team from AMC will be visiting Travis AFB next week to review our treatment processes and to recommend any optimization they find can be accomplished. The focus will be on our treatment plants.

Mr. Sreenivasan emphasized that Travis AFB is continuously evaluating its plants for optimization and will continue to do so after the team leaves.

C. Field Activity Reports

Mr. Smith distributed the field activity reports from URS (see Attachment 6).

5. ACTION ITEM REVIEW

There were no new action items.