

**Travis Air Force Base  
Environmental Management  
Building 246, Upstairs Conference Room  
Environmental Restoration Program  
Remedial Program Managers Meeting  
Meeting Minutes**

**18 June 2003, 0930 Hours**

Mr. Mark Smith, Travis Air Force Base (AFB), conducted the Remedial Program Managers (RPM) meeting held on 18 June 2003 at 0930 in Building 246, Upstairs Conference Room, Travis AFB, California. Attendees included:

- Mark Smith Travis AFB
- Dale Malsberger Travis AFB
- Wilford Day Travis AFB
- Glenn Anderson Travis AFB
- Captain Gloria Downey Travis AFB
- Tom Sreenivasan Travis AFB
- Roger Johnson Air Force Center for Environmental Excellence (AFCEE)
- John Lucey U.S. Environment Protection Agency (U.S. EPA)
- Elizabeth Allen TechLaw
- Sarah Raker Regional Water Quality Control Board (RWQCB)
- Jose Salcedo Department of Toxic Substance Control (DTSC)
- Mike Wray CH2M Hill
- Elise Willmeth URS
- Brian Garber Shaw Engineering and Infrastructure (SE&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
- Attachment 4 CGWTP Monthly Data Sheet
- Attachment 5 NGWTP Monthly Data Sheet
- Attachment 6 Travis AFB – CH2M Hill Field Activities (June 2003)
- Attachment 7 Shaw E&I Field Activities, Travis AFB (June – July 2003)
- Attachment 8 URS Field Activities, Travis AFB (May 2003)

## **1. ADMINISTRATIVE**

### **A. Previous Meeting Minutes**

The minutes from the May 2003 RPM meetings were approved with corrections 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 Annual Meeting and Teleconference Schedule**

— Page 1, Mr. Smith proposed to change the November RPM Teleconference meeting to 19 November 2003 and the November Suppliers Teleconference to 20 November 2003. It was approved.

#### **Travis AFB Master Meeting and Document Schedule**

— Page 4, Quarterly Newsletter (for the 24 July 2003 Restoration Advisory Board [RAB]) final due date was changed to 10 July 2003 and URS' point of contact was removed.

— Page 4, Community Involvement Plan final due date was changed to 9 July 2003.

— Page 6, SS041 and SD045 Site-Specific Remedial Action (RA) Work Plans final due dates were changed to 18 June 2003.

— Page 7, Groundwater Five-Year Review schedule was updated and moved to the Informational Documents section.

— Page 7, Long-Term Operation (LTO) Strategic Plan (Update) schedule was updated and moved to the Informational Document section.

— Page 8, SD042 Site-Specific RA Work Plan was moved to the Historical Document section.

## **2. OPERABLE UNIT UPDATE**

### **A. North/East/West/ Industrial Operable Unit**

#### **1. NEWIOU ROD Plan of Action and Milestone**

##### **a. Groundwater Protection Technical Memorandum**

Mr. Malsberger stated that Ms. Raker had provided extensive comments on the Groundwater Protection Technical Memorandum. These changes will be incorporated and a revised draft Groundwater Protection Technical Memorandum will be

submitted via email by 20 June 2003 for Mr. Salcedo and Mr. Lucey to review. Mr. Malsberger requested that the agencies review and provide comments by 7 July 2003.

**b. Ecological Protection Technical Memorandum**

Mr. Malsberger stated that the Ecological Protection Technical Memorandum will be submitted on 31 July 2003.

**2. Five-Year Review**

Mr. Malsberger stated that the draft Five-Year Review response to comments meeting will be held today. (Mr. Malsberger previously emailed the preliminary response to comments to the agencies for review.)

**3. SS015 Soil Removal Action Status**

Mr. Malsberger stated that the SS015 Soil Removal Action Work Plan was submitted to the agencies on 13 May 2003. The excavation to the northern portion has begun. The agencies agreed to the Removal Action Work Plan.

**3. CURRENT PROJECTS**

**A. LF007C Groundwater Action**

Mr. Malsberger gave an update on the LF007C Groundwater Action.

➤ **On Base**

Travis AFB submitted via email, a revised design package on 13 May 2003 for review. The remedial design was revised to include a direct route for the piping leading across the vernal pools (U.S. Fish and Wildlife gave their approval for this change). The electrical pumps were changed to solar-power submersible pumps to eliminate costs associated with wiring, conduit, controls, etc. Mr. Malsberger asked for a response from the agencies on the revised design packages. The agencies agreed to the revision and agreed on the use of these minutes to document their approval.

➤ **Off Base**

Mr. Malsberger stated that the Air Force is waiting for the approval of the work plan and obtaining an easement. Mr. Smith stated that the property owner is unavailable due to health related problems and the Corps of Engineers (COE) stated that the easement purchase will be delayed. The only alternative that the Air Force has at this time is to gain a right-of-entry, in order to install two above ground monitoring wells and take three direct push groundwater samples for further plume delineation. Mr. Smith

stated that he has requested the COE to proceed with getting a right-of-entry.

Mr. Roger Johnson commented that if these funds are not used, they will not be available until 2004.

## **B. South Base Boundary Groundwater Treatment Plant**

Mr. Sreenivasan reported that the South Base Boundary Groundwater Treatment Plant (SBBGWTP) performed at 100% uptime with approximately 6.0 million gallons of groundwater extracted and treated during the month of May 2003. The average flow was 134 gallons per minute (gpm). Approximately 2.3 pounds of VOCs were removed during the month of May 2003. The total mass of VOCs removed since startup of the system is 216 pounds (see Attachment 3).

The key O&M issues for this month are as follows:

1. Troubleshooting was performed in EW01x29 and EW05x29 to correct minor electrical problems.
2. Well optimization of the FT005 well field (all of the 5 wells) and EW01x29 was done by adjusting the operation points and valve openings. This resulted in overall increased flow rate of approximately 3 to 4 gpm.

Ms. Raker asked if the Air Force will start irrigating at the SBBGWTP. Mr. Sreenivasan stated that yes; irrigation has started at Ms. Settles' property.

## **C. Central Groundwater Treatment Plant**

Mr. Sreenivasan reported that the Central Groundwater Treatment Plant (CGWTP) performed at 96.7% uptime with approximately 3.86 million gallons of groundwater extracted and treated. The average flow for the CGWTP was 89.4 gpm during May 2003. Approximately 121.8 pounds of VOCs (which 97 pounds were from vapor) were removed during May 2003. The total mass of VOCs removed since startup of the system is 2,613 pounds (see Attachment 4).

The CGWTP operated with one shutdown as a result of the carbon change out during May.

The thermal oxidation (ThOx) system was restarted on 28 April 2003 after being offline for four months. The system is currently extracting and treating soil vapor from the 2-phase well, continuing the focused extraction activities from late 2002. Sampling conducted on 16 May 2003 showed an influent TCE concentration of 97 parts per million by volume (ppmv). This concentration is near levels detected during the October 2002 sampling event (TCE was 96

ppmv). The October 2002 sample was collected two weeks after startup, following a three-month period of being offline. Additional sampling of the ThOx unit is scheduled for June 2003.

The WTTP vacuum blowers were taken offline on 11 February 2003. Vapor concentrations and mass removed have reached low, asymptotic levels in recent months. Groundwater flow rate through the WTTP (with the blowers turned off) continued to increase from 33.6 gpm in April to 38.6 gpm in May 2003. Overall, the CGWTP average flow rate, which was 85.4 gpm in January 2003 (when the WTTP blowers were in operation), increased to 89.4 gpm during May 2003 (with the blowers turned off). A short duration (4 hours) restart of a WTTP blower was conducted on 4 June 2003 to determine impact of blower operation on groundwater extraction. A vapor influent sample was collected to monitor for contaminant rebound. Laboratory results of the rebound sample are expected in a week.

The irrigation system received approximately 1.8 million gallons of the 3.9 million gallons of the treated water for irrigation this month. The remainder was discharged to the storm drain.

#### **D. North Groundwater Treatment Plant**

Mr. Sreenivasan reported that the North Groundwater Treatment Plant (NGWTP) performed at 87.7 % uptime with approximately 1.1 million gallons of groundwater extracted and treated during the month of May 2003. The average flow for the NGWTP was 27.2 gpm during May 2003. Approximately 16.8 pounds of total VOCs (of which 15.6 pounds of were vapor VOC) were removed during May 2003. The total mass of VOCs removed since startup of the system is 216.5 pounds (see Attachment 5).

Water levels within the extraction wells had dropped sufficiently to allow soil vapor extraction (SVE) to commence. The SVE system was restarted on 23 May 2003 and vapor system start-up samples were collected. Analytical results showed non-detect in the effluent for all detected analytes.

The plant experienced one shutdown during May due to amperage overloading of heat exchanger motor starter. The motor starter amperage limit was raised and the system was restarted.

All the treated water was diverted to the Duck Pond during May for beneficial use.

#### **E. WABOU Soil Remedial Actions – Summer 2003 Work Timeline**

Mr. Anderson provided updates on the WABOU soil remedial actions.

- LF008 – Shaw started excavation on 6 June 2003.

- SD042 – This project will begin on 14 July 2003 and last approximately one week.
- SS041 – Excavation will begin on 20 June 2003.
- SD045 – It is unknown when activity will begin at this site due to funding.
- SS015 – Excavation began on 17 June 2003, tentatively scheduled to be completed on 8 July 2003.
- CAMU Phase II – Phase II of the CAMU will begin when the soil is available from the excavation sites.

Mr. Garber reported that approximately 30 percent to 40 percent of the excavation has been completed at LF008. Excavation started on the northern end of the site. Numerous plastic debris, municipal trash, unmarked gallon jugs, amber bottles, diazinon cans, and intact clear plastic bags of unknown white crystals were excavated. These items were deposited into Class 1 dumpsters. The major health issue at this site is dust control. Field health and safety conditions are currently at modified Level C, with standby to go Level B. The largest drums encountered are non-intact 35-gallon metal drums.

#### **F. Haloprobe**

Mr. Anderson stated that on 14 July 2003 the base will begin a week-long test of a new, improved version of the haloprobe at DP039 and SS015, using the Site Characterization and Penetrometer System (SCAPS) from the Corps of Engineers Kansas City District. Mr. Anderson will obtain a dig permit for this technology demonstration.

#### **G. Community Involvement Plan Update**

Mr. Anderson stated that the due date for the revisions to the Community Involvement Plan update is 3 July 2003. The summary information from the community interviews will be sent to CH2M Hill to be incorporated into the update in time for publication.

#### **H. July 2003 Guardian and RAB Update**

Mr. Sreenivasan stated that there will be a Restoration Advisory Board (RAB) pre-dry run on 10 July 2003 and the dry run will be on 21 July 2003. The RAB meeting is scheduled for 24 July 2003.

Ms. Raker suggested that the Petroleum Program be presented at the October 2003 RAB meeting. Ms. Raker volunteered to discuss tanks closures, how RWQCB is addressing the POCOs sites, and issue a Geotracker to let the RAB know that the Air Force is complying with the state regulations.

Mr. Lucey reiterated that Ms. Allen will give a generic introduction to risk assessment and not site-specific risk issues at the 24 July 2003.

#### **4. PROGRAM ISSUES UPDATE**

##### **A. FT005 Plume**

Mr. Smith stated that the plume is drifting south of the base (outside of base boundary). The Air Force is diligently attempting to obtain funding to address this issue. Mr. Smith stated that he is attempting to obtain funding through AMC, Travis AFB, and AFCEE in order to install conveyance piping to connect the extraction wells to the treatment plant.

Mr. Smith stated that he will contact Mr. Marc Johnson to inform him that there is a good chance Travis AFB will be trenching on this property.

##### **B. Performance-Based Contracting**

Mr. Smith stated that AFCEE is reviewing Performance-Based Contracting. If implementation guidelines are not in place in time to award new contracts (July 1, 2003), these contracts will be firm fixed price contracts for some interim period.

##### **C. California State Budget Crisis**

Ms. Raker stated that it is not clear how the California budget crisis will affect RWQCB's involvement at Travis AFB. It is her opinion that it will be status quo.

Mr. Johnson recommended that Travis AFB discuss this with the Regional Environmental Office, because if the base does not receive any service from state regulatory agencies, there should be no payment to the state.

Mr. Lucey stated that the U.S. EPA is not impacted by the California budget situation.

##### **D. Documents for Agency Review**

###### **Final Soil Remedial Action Work Plan for Sites SS041 and SD045**

Mr. Anderson distributed the combined Final Soil Remedial Action Work Plan for Sites SS041 and SD045 to the agencies for review. The document was reviewed and approved by the agencies.

**Final Soil Removal Action Work Plan for Site SS015**

Mr. Anderson distributed the Final Soil Removal Action Work Plan for Site SS015 to the agencies for review. The document was reviewed and approved by the agencies.

**Final LF007 Area C Off-Base Remedial Action Work Plan**

Mr. Anderson distributed the Final LF007 Area C Off-Base Remedial Action Work Plan to the agencies for review. The document was reviewed and approved by the agencies.

**E. Field Activity Reports**

Mr. Smith distributed the field activity reports from CH2M Hill, Shaw E&I, and URS (see Attachments 6, 7 and 8).



## ACTION ITEM LIST

(Action Items Open)

AGENDA	RESPONSIBLE	ACTION ITEM	DUE DATE	STATUS
1.	Air Force	To provide an Ecological Protection Technical Memorandum	31 July 2003	Ongoing.