

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

**9 April 2003, 0930 Hours**

Mr. Mark Smith, Travis Air Force Base (AFB), conducted the Remedial Program Managers (RPM) meeting held on 9 April 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
- DeAnn LeHigh Travis AFB
- Tom Sreenivasan Travis AFB
- 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
- Ross Overby 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 (April 2003)
- Attachment 7 URS Field Activities, Travis AFB (March 2003)

## **1. ADMINISTRATIVE**

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

The minutes from the March 2003 RPM meetings were approved and finalized.

### **B. Master Meeting and Document Schedule**

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

- Page 1, Groundwater Interim Record of Decision (IROD) Five-Year Review schedule was updated.
- Page 3, Long-Term Operation (LTO) Strategic Plan (Update) schedule was established.
- Page 4, Community Involvement Plan schedule was updated. *Mr. Salcedo stated that Ms. Trotter will contact Mr. Smith regarding the purpose for the update (the need for interviews with members of the community). Mr. Salcedo will set up a teleconference regarding the Community Involvement Plan and provide the Air Force with the guidance document.*
- Page 6, SD042 Site-Specific Remedial Action (RA) Work Plan schedule was updated.
- Page 8, SS015 Soil Remedial Design (RD), SS041 Soil RD, LF008 Construction Quality Control Plan, and LF008 Site-Specific Remedial Action Work Plan were moved to the historical section.

Mr. Lucey requested that the draft RD work plans be available for review during RPM meetings. During the RPM meetings, the agencies will discuss the work plans and document their comments in the meeting minutes.

## **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 the Groundwater Protection Technical Memorandum is tentatively scheduled to be submitted on 17 April 2003.

**b. Ecological Protection Technical Memorandum – Site Visit**

Mr. Malsberger stated that the minutes of the meeting to discuss the Ecological Protection Technical Memorandum were submitted on 3 April 2003. An action item was generated to provide information on the past dredging of the creek. The Air Force is currently working on a revised schedule for documenting the dredging. The Air Force expects to provide documentation in 2 to 3 months.

The Air Force is working to establish a date for Ms. Laurie Sullivan from NOAA to visit Travis AFB. Possible dates are 22, 23, or 24 April 2003. Ms. Sullivan will be investigating the fish in Union Creek.

**c. Five-Year Review**

Mr. Malsberger stated that the draft Five-Year Review is complete and was distributed to the agencies for review. Mr. Malsberger requested that the agencies provide their comments within 30 days in order to stay on schedule since the review affects the LTO Strategic Plan. The response-to-comments meeting will take place during the May RPM meeting. CH2M Hill will send a CD-ROM of the document to U.S. EPA headquarters as requested by Mr. Lucey.

Mr. Malsberger stated that Parsons Engineering will provide up-to-date data for monitoring wells at Sites SS039 and SS015 within two weeks.

Mr. Lucey suggested that the Air Force be proactive by using real-time vapor analyzers near the contaminant source area at SS015 while constructing the foundation for the new building slated for this site. Mr. Malsberger stated that most of the known VOC-contaminated soil should be removed as part of the removal action; thus, ensuring that high levels are not coming from the site.

Mr. Malsberger stated that the Air Force will compare the remedial investigation and removal action footprint to determine if there are potential risks for worker exposure during the construction and include contamination information in the base excavation permit (dig permit)

### **3. CURRENT PROJECTS**

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

Mr. Sreenivasan reported that the South Base Boundary Groundwater Treatment Plant (SBBGWTP) performed at 100% uptime with approximately 7.5 million gallons of groundwater extracted and treated during the month of March 2003. The average flow was 167 gallons per minute (gpm). Approximately 4.4 pounds of volatile organic compounds (VOCs) were removed during the month of March 2003. The total mass of VOCs removed since startup of the system is 210 pounds (see Attachment 3).

The key operation and maintenance (O&M) issues for this month are as follows:

1. The pump motor on EW06x30 was determined inoperable during March. Replacement motor selection is currently in progress the well is expected to be back in service in April.
2. Wells EW02x30 and EW07x30 frequently exhibit a low-level alarm, which caused these wells to shut down temporarily. This condition is being evaluated to determine the cause and make necessary repairs.

#### **B. Central Groundwater Treatment Plant**

Mr. Sreenivasan reported that the Central Groundwater Treatment Plant (CGWTP) performed at 99.8% uptime with approximately 3.75 million gallons of groundwater extracted and treated. The average flow for the CGWTP was 84 gpm during March 2003. Approximately 26 pounds of VOCs were removed during March 2003. The total mass of VOCs removed since startup of the system is 2,462 pounds (see Attachment 4).

The CGWTP operated without any shutdowns during March.

The thermal oxidation (ThOx) system went off line and remained off line during January. Based on the ongoing discussions with the manufacturer of the burner assembly, a ceramic honeycomb burner has been chosen as a viable replacement for the burnt out assembly. The unit has been put together at the vendor's location and is expected to be delivered during mid-April.

The West Treatment and Transfer Plant (WTTP) vacuum blowers were taken off line on 11 February 2003. Vapor concentrations and mass removed have reached low, asymptotic levels in recent months. The impact to overall CGWTP and WTTP performance is expected to be minimal, but will be monitored during the next few months.

All treated water was diverted to the storm sewer in March.

### **C. North Groundwater Treatment Plant**

Mr. Sreenivasan reported that the North Groundwater Treatment Plant (NGWTP) performed at 76.9% uptime with approximately 1 million gallons of groundwater extracted and treated during the month of March 2003. The average flow for the NGWTP was 29.1 gpm during March 2003. Approximately 1.1 pounds of VOCs were removed during March 2003. The total mass of VOCs removed since startup of the system is 198 pounds (see Attachment 5).

The soil vapor extraction (SVE) system at the NGWTP remained shut down in February because of high groundwater elevations due to the rainy season.

The NGWTP experienced several intermittent shutdowns during March. All shutdowns were due to the programmable logic controller (PLC) program failure to various alarms. Since then, the PLC program has been modified to correct the past shutdown problems.

In addition to the normal analysis, samples collected in March 2003 were analyzed for tentatively identified compounds (TICs) to determine if any petroleum hydrocarbons seen in the vapor samples collected in December 2002 were present in the groundwater as well. Trace concentrations were found of a petroleum hydrocarbon heavier than diesel but not quite as heavy as motor oil at EW566x31, EW567x31, EW576x04, EW578x04, and EW580x04. Similar hydrocarbon TICs were present in MW569x31, MW571x31, and MW1741x31. This finding is consistent with what could be expected based on the activities described in NEWIOU Interim Record of Decision for Site SD031 (repair and maintenance of diesel generators, wash rack, aircraft maintenance, handling of oils, antifreeze, and solvents).

All treated water is being diverted to the duck pond for beneficial use; the Air Force may use treated water for irrigation purposes around the duck pond at a later date.

### **D. RW013/LF044 Soil Remedial Actions**

Mr. Anderson stated that the pre-draft RW013 Site Closure Report is being reviewed by the Air Force. The Air Force will provide a schedule for the agency review of the document after obtaining Air Force comments.

The Air Force has not started the LF044 remedial action report due to the weather. A schedule will be developed for repairing the berm within the next month.

### **E. LF008 O&M Manual**

Mr. Anderson stated that an email was sent to the agencies with the proposed text revisions for the LF008 O&M manual. The text of the email proposed to

include the information concerning potential changes to extraction systems and sampling strategies in the monthly data sheets.

Mr. Lucey stated that he will review the proposed text revisions and he will send the document on to Mr. Mike Anderson for his comments.

Ms. Raker asked for details of the planned field schedule for the summer. Mr. Brian Garber stated that the Air Force is in the process of finalizing the construction schedule for SD042 and LF008.

The Air Force expects to acquire digging permits in late April or early May. A final construction schedule will be submitted at the next RPM meeting. Groundbreaking is scheduled tentatively for 2 June 2003 at LF008.

Mr. Anderson commented that construction projects at SS041 and the Small Arms Range will be performed by ECC late this summer.

The SD042 schedule will depend upon the schedule for SS015 and the schedule for ECC's remedial actions. Coordinating actions is needed to ensure that the excavated soil is delivered to the corrective action management unit (CAMU) at LF007 at a coordinated and manageable rate.

Ms. Raker asked the Air Force to present an overview of the critical path for the construction activities during the next RPM meeting. Mr. Smith requested that Mr. Garber submit a schedule once his contracts are awarded.

As a note to any visitors to the construction and removal action sites, no one will be allowed to enter the exclusion zone until documentation is provided certifying that the visitor has completed the Hazmat classes and that they are enrolled in a health monitoring program.

#### **F. DP039 O&M Manual**

Mr. Anderson stated that the DP039 O&M manual has not been finalized because the manual needs to incorporate the changes to the LF008 O&M manual, once they have been accepted by the regulatory agencies.

Mr. Anderson stated that the response-to-comments table was provided to U.S. EPA. Mr. Lucey stated that he would need to review the responses again but probably will not have comments.

#### **G. Haloprobe Demonstration Project**

Mr. Anderson gave a brief summary of the upcoming Haloprobe demonstration project at DP039 and, time permitting, SS015. In summary, the Haloprobe is a direct push tool that provides vertical profiling of solvent contamination in the subsurface in real time. Mr. Anderson used an enlarged map of DP039 to show the specific areas where the Haloprobe will be tested.

The study areas are around the former sump and the east side of Building 755 where a sanitary sewer line is located.

The agencies asked the base to expand the areas where the Haloprobe will be tested. Mr. Anderson added those recommended areas to the map but limited the demonstration to locations north of Ellis Drive, due to the short duration of the project.

A similar map will be used to guide the demonstration project at SS015.

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

Mr. Sreenivasan mentioned that all the articles to be published were received with their final revisions and the newsletter was sent for publication during the last week in March. He also mentioned the following: The pre-dry run and the dry run for the upcoming RAB meeting are scheduled for 10 April 2003 and 16 April 2003, respectively. The RAB meeting is scheduled for 24 April 2003 at the Solano County Association of Realtors in Fairfield and a map showing the location was provided in the April newsletter.

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

#### **A. Performance Based Contracts**

Mr. Smith stated that Congress has allowed incremental funding of Performance-Based Contracts but that the guidelines to implement have not yet been developed. These guidelines are required before we can let a PBC this year that would cover the three treatment plants, GSAP and free product removal. If the implementation guidelines are not developed in time, then treatment plants, GSAP and free product removal will be handled under a time a materials contract as usual. The Air Force goal is to get 20% of its contracting under performance-based contracts by fiscal year 2004 (FY04) and Travis AFB is trying to help AMC achieve that goal.

#### **B. Budget Issues**

Mr. Smith stated that he is requesting additional funding to address the south groundwater contaminant plume, which is migrating down Creed Road. The additional funding will be used to install piping to connect the extraction wells into the sub-plants. Since this is a current year project, prior year funds cannot be used.

Mr. Smith will pre-stage this project in case money becomes available this fiscal year. If funds do not become available, this project will become a FY04 project. Mr. Smith stated that he has stressed the urgency of this project to headquarters, in that continued non-funding of this project will place Travis AFB in violation of the ROD. Ms. Lehigh will take initiative to call her counterpart at AMC on this issue.

**C. Easement**

Mr. Smith stated that funding has been received for the easement along the northern portion of the base (Carl Frietas' property). This will allow us access to our monitoring well off base.

At SS015, a Funding Line Adjustment has been submitted to AMC for validation and we have been assured that the money is available; it just needs to be sent to AFCEE to add to the contract. Soil needs to be removed prior to the construction in support of the engineering flight's new POL facility beginning in July. The removal action will begin in June 2003.

Mr. Malsberger stated that an action memo will be generated for this soil removal action and requested the agencies to turn this document around quickly.

**D. Field Activity Reports**

Mr. Smith distributed the field activity reports from CH2M Hill and URS (see Attachments 6 and 7).

**ACTION ITEM LIST**  
**(Action Items Open)**

<b>AGENDA</b>	<b>RESPONSIBLE</b>	<b>ACTION ITEM</b>	<b>DUE DATE</b>	
1.	DTSC	Mr. Salcedo will set up a teleconference regarding the Community Involvement Plan and the guidance document.	11 April 2003	<b>New Item.</b>
2.	Air Force	To provide a schedule for the Ecological Protection Technical Memorandum	Open	<b>New Item</b>