

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

14 May 2003, 0930 Hours

Mr. Mark Smith, Travis Air Force Base (AFB), conducted the Remedial Program Managers (RPM) meeting held on 14 May 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
- 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
- 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 (May 2003)
- Attachment 7 URS Field Activities, Travis AFB (April 2003)

1. ADMINISTRATIVE

A. Previous Meeting Minutes

The minutes from the April 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).

Travis AFB Annual Meeting and Teleconference Schedule

— Page 1, Mr. Smith proposed to change the June 2003 RPM meeting to 18 June 2003 and the June Suppliers meeting to 17 June 2003. It was approved.

Travis AFB Master Meeting and Document Schedule

- Page 1, Groundwater Five-Year Review schedule was updated. (Mr. Salcedo and Ms. Raker stated that they will be able to provide comments by 21 May 2003.)
- Page 1, SS015 Action Memorandum was established. Mr. Smith requested that the agencies review the SS015 Action Memorandum and respond expeditiously. (This document will be submitted electronically.)
- Page 1, RW013 Remedial Action Report was established. *Mr. Anderson stated that this will be Travis AFB's first Remedial Action Report. Mr. Anderson requested the agencies to review the draft report and consider what is required to close the site. Mr. Anderson also stated that the report closely followed the U.S. EPA guidance for closing sites. Ms. Allen stated that typically closing a site just entails a letter of concurrence. Mr. Anderson will send an electronic file of the draft report to Mr. Steven Dean.*
- Page 3, Long-Term Operation (LTO) Strategic Plan (Update) schedule was updated.
- Page 4, Quarterly Newsletter (for the 24 July 2003 Restoration Advisory Board [RAB]) schedule was updated and CH2M Hill's point of contact was removed.
- Page 4, Community Involvement Plan final due date was changed to 15 June 2003. Mr. Smith will contact Ms. Michelle Trotter to ensure the interviews are completed. Mr. Lucey requested that Ms. Viola Cooper be included in the correspondence.
- Page 6, SS041 and SD045 Site-Specific Remedial Action (RA) Work Plans schedules were updated.

- Page 6, SD042 Site-Specific RA Work Plan final due date will be changed to 14 May 2003.
- Page 7, LF007 Area C Off-Base Remedial Action Work Plan final due date was changed to 18 June 2003.
- Page 7, SS015 Remedial Action Work Plan schedule was updated.

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 has been reviewed by Ms. Raker who provided comments and recommendations. These changes will be incorporated and a revised Groundwater Protection Technical Memorandum will be submitted 11 June 2003. Mr. Salcedo and Mr. Lucey will review the revised document.

b. Ecological Protection Technical Memorandum

Mr. Malsberger stated that the Ecological Protection Technical Memorandum will be submitted 31 July 2003. An outstanding action item was to find additional information on the dredging of Union Creek. Mr. Malsberger stated that he obtained information on past dredging and submitted the information to the agencies.

Mr. Malsberger stated that Travis AFB typically dredges the bottom of the creek every other year in areas where vegetation restricts flow.

2. Five-Year Review

Mr. Malsberger stated that the draft Five-Year Review is completed and was distributed to the agencies for review.

Mr. Malsberger reported that he has received U.S. EPA's comments on the 5-year review. Mr. Malsberger requested that RWQCB and DTSC provide their comments within 30 days in order to stay on schedule. The comments on the 5-Year Review will factor into the LTO Strategic Plan. The period of performance of the contractor to complete these two reports is ending. The response to comments meeting will take place during the June RPM meeting. (CH2M Hill will send the CD-ROM to U.S. EPA's headquarters.)

Mr. Malsberger thanked Ms. Allen for the email commenting on whether soil actions are required in the Five-Year Review. Mr. Malsberger stated that this information was incorporated in the teleconference minutes.

3. SS015 Action Memorandum

Mr. Malsberger stated that the draft SS015 Action Memorandum will be submitted to the agencies on 15 May 2003, with an accelerated review schedule.

3. CURRENT PROJECTS

A. LF007C Groundwater Action

Mr. Malsberger stated that the original design for this site had a piping alignment to avoid a vernal pool in the area. The plan also called for two submersible electrical pumps and associated conduit for the extraction wells. Due to a shortage of funding, 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 also changed to solar-power submersible pumps eliminating the associated conduit.

Mr. Malsberger submitted the revised design to the agencies for comments and/or concurrence. Agencies' response will be documented in the June RPM meeting minutes.

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 6.4 million gallons of groundwater extracted and treated during the month of April 2003. The average flow was 146 gallons per minute (gpm). Approximately 2.9 pounds of VOCs were removed during the month of April 2003. The total mass of VOCs removed since startup of the system is 213 pounds (see Attachment 3).

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

1. The pump motor on EW06x30 was replaced along with corrosion resistant piping in April 2003.
2. Extraction well pumps EW05x30, EW03x05, EW01x29, and EW06x29 failed due to stripped splines. Some of these pumps were installed as early as 1998 and the wear and tear took their toll. These are being replaced and will be ready for operation by mid-May.

C. Central Groundwater Treatment Plant

Mr. Sreenivasan reported that the Central Groundwater Treatment Plant (CGWTP) performed at 99.8% uptime with approximately 3.72 million gallons of groundwater extracted and treated. The average flow for the CGWTP was 86 gpm during April 2003. Approximately 29 pounds of VOCs were removed during April 2003. The total mass of VOCs removed since startup of the system is 2,491 pounds (see Attachment 4).

The Central plant operated without any shutdowns during April.

The thermal oxidation (ThOx) system was restarted on 28 April 2003 with the new ceramic honeycomb design burner assembly fitted to the combustor unit. The system is performing satisfactorily and is extracting vapor from the 2-phase well. An influent vapor sample was collected on 29 April 2003 and the results will be reported in the May 2003 CGWTP Monthly Data Sheet. Data will be reviewed for indication of contaminant concentration rebound following the four-month shutdown period.

The WTTP vacuum blowers were taken offline on 11 February 2003. Vapor concentrations and mass removed have reached low, asymptotic levels in recent months. The impact of turning off these blowers to overall CGWTP and WTTP performance appears to be minimal. Groundwater flow rate through the WTTP increased from 23.4 gpm in March 2003 to 33.6 in April 2003. Overall CGWTP average flow rate, which was 85.4 gpm in January 2003 (when the WTTP blowers were in operation), increased to 86.2 gpm during April 2003.

The irrigation system was restarted this month. Approximately 826,000 gallons of the 3.718 million gallons of the treated water was used 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 91.3% uptime with approximately 1.1 million gallons of groundwater extracted and treated during the month of April 2003. The average flow for the NGWTP was 28.1 gpm during April 2003. Approximately 1.1 pounds of VOCs was removed during April 2003. The total mass of VOCs removed since startup of the system is 200 pounds (see Attachment 5).

The SVE system at the NGWTP remained shutdown in April because of high groundwater elevations due to rainy season.

The plant experienced one shutdown during April due to dirty sensor of the ultra-sonic level transmitter, which provides the basis for controlling the speed of the effluent transfer pump. It was cleaned, the transmitter was reset, and the

plant was returned to normal operations. Methods are being looked into to avoid similar problems in the future.

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

E. WABOU Soil Remedial Actions

Mr. Anderson stated that he will give regular updates on the WABOU soil remedial actions.

- LF008 – Shaw has started site preparation (i.e., upgrading the roads, dust suppression controls, fire prevention, etc.). Excavation is scheduled to begin on 2 June 2003. There will be an investigation in one area to determine the extent of the excavation. Mr. Garber stated that the first portion of the project is to look at areas around NSA-1, which is located on the eastern portion of LF008 for further characterization. Mr. Garber commented that this is a hazardous waste site with potential health risks; therefore, all personnel entering the exclusion zone of the site must provide documentation of their HAZWOPER training and any required refresher training. All training must be current and training records must be provided before access to the site will be granted. Mr. Anderson requested that copies of safety training certificates for anybody wishing to visit the excavation sites be submitted to the Air Force.
- SS041 – Digging permits for this site were submitted today.
- SD045 – It may take longer to excavate soil and verify that the soil can be sent to the CAMU. A DI-WET test may be required before the soil can be sent to the CAMU. Digging permits were submitted today.
- SS015 – Mr. Malsberger stated that the startup date for this project is June 2003.
- CAMU Phase II – Phase II of the CAMU will begin when the soil is available from the excavation sites.

Ms. Raker requested an overview of the soil excavation activities over the next six months. Mr. Garber provided the following summary:

Sites	May	June	July	August
CAMU Phase II			Receive soil	receive soil
LF008	prep	excavation	Characterization	appropriate disposal
SD042			Excavation	disposal in CAMU
SD045			Excavation	disposal in CAMU
SS015		excavation	Disposal in CAMU	
SS041			Excavation	disposal in CAMU

Ms. Raker requested a Gantt chart for the status on remedial actions.

F. LF008 O&M Manual

Mr. Anderson stated that he and Mr. Lucey composed text to modify the LF008 O&M manual. This proposed text was sent to Ms. Raker and Mr. Salcedo for review and comments. Ms. Raker and Mr. Salcedo agreed to the changes; therefore, this document will be finalized.

Mr. Anderson stated that the contracts to work on the LF008 O&M manual have expired; however, the contractors will be providing whatever information they have on the project. Mr. Anderson will finalize and submit the final document (electronically) to the agencies.

G. DP039 O&M Manual

Mr. Anderson stated that the DP039 O&M manual was not finalized because this manual is based upon the completion of the DP039 Dual-Phase Extraction treatability study.

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 response to comments table again and probably will not have comments.

H. Community Involvement Plan

Mr. Anderson stated that he is assuming that the public participation specialists have had an opportunity to review the draft Community Involvement Plan. Since no comments were received, the Air Force will start finalizing this document. The final document will not contain community interviews. An insert to the plan with the results of interviews will be provided at a later date. Mr. Lucey stated that he and Ms. Cooper have no comments.

I. Haloprobe Demonstration Project

Mr. Anderson presented an overview of the Haloprobe demonstration that took place in May 2003 at DP039. He stated that the Haloprobe was a direct push technology tool, and a Geoprobe rig was used for the demonstration. The weight of the truck on which the Geoprobe rig was attached was too light for the subsurface conditions at DP039. Several chains and cables were strained or damaged during the demonstration, and the equipment operators from Dakota Technologies as well as base personnel decided that it was too dangerous to continue with the demonstration. The Haloprobe was able to push down to 34 feet on one occasion, and this one event generated data that indicated that the probe technology could generate the type of data that is of interest to the base.

Even though the demonstration was not successful, it did show the potential of the Haloprobe. Dakota Technologies is planning to return to Travis AFB to conduct training for Kansas City District COE personnel as part of their Site Characterization and Analysis Penetrometer System (SCAPS). This training will be conducted through an AFCEE contract and will probably take place in the August 2003 timeframe.

J. April 2003 Guardian and RAB Update

Travis AFB had a RAB debrief during the last week of April 2003, resulting in a schedule for the July Guardian, discussion topics for the next RAB meeting (24 July 2003), and the presentation articles.

Mr. Smith stated that the Air Force will attempt to do the newsletter in-house and contract the reproduction and mailing. Ms. Allen may give a presentation to the RAB on risk assessments.

Discussion took place on what to cover in a presentation on risk assessment. A consensus was reached that the presentation would be most effective if it was broken into a series of specific component topics. Possible topics include:

- Risk assessment and how cleanup levels are determined (backward risk assessment) (Ms. Allen or Mr. Mike Anderson)
- Potential risk at Travis AFB
- NEWIOU ROD update
- Five-Year Review
- Overview of the Petroleum Cleanup (Ms. Raker)

4. PROGRAM ISSUES UPDATE

A. FT005 Plume

Mr. Smith stated that the Air Force was attempting to install extraction and monitoring wells and connect the conveyance system at FT005. While in the process of the project, funding was depleted. A new project to complete the action at FT005 has been requested. The project will include installing conveyance piping, controls, and hooking up the wells to the SBBGWTP. Travis AFB will be in position for FY04 funding.

Mr. Smith stated that he is requesting additional funding to address the south groundwater plume, which is migrating south towards Creed Road. 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. 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 the initiative to call her counterpart at AMC on this issue.

B. Documents Review and Approved During RPM Meeting

Final Soil Remedial Action Work Plan for Site SD042

Mr. Anderson distributed the Final Soil Remedial Action Work Plan for Site SD042 to the agencies for review. Mr. Lucey requested that the agenda include a section that identifies the documents to be reviewed by the agencies during the meeting. The SD042 Soil Remedial Action Work Plan was reviewed and approved by the agencies.

Note: Ms. Raker requested that the Air Force submit all final documents electronically (CD-ROMs).

C. 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 Closed)

AGENDA	RESPONSIBLE	ACTION ITEM	DUE DATE	STATUS
1.	DTSC	Mr. Salcedo will set up a teleconference regarding the Community Involvement Plan and the guidance document.	11 April 2003	Completed. Item Closed.

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.