

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

**13 March 2002, 0930 hours**

Mr. Allen Brickeen, Travis Air Force Base (AFB), conducted the Remedial Program Managers (RPM) meeting held on 13 March 2002 at 0930 in Building 246, Upstairs Conference Room, Travis AFB, California. Attendees included:

- Allen Brickeen Travis AFB
- Glenn Anderson Travis AFB
- Dale Malsberger Travis AFB
- Tom Sreenivasan Travis AFB
- Wilford Day Travis AFB
- DeAnn Lehigh Travis AFB
- Roger Johnson Air Force for Environmental Excellence (AFCEE)
- Major Scott Nickerson AFCEE
- John Lucey U.S. Environmental Protection Agency (U.S. EPA)
- Elizabeth Allen TechLaw
- Sarah Raker California Regional Water Quality Control Board (RWQCB)
- Wayne Williams CH2M Hill
- Loren Krook CH2M Hill
- Deena Stanley URS
- Brian Garber GTI/IT
- Kevin Spala Environmental Chemical Corporation

Handouts distributed throughout the meeting included:

- Attachment 1 Meeting Agenda
- Attachment 2 Master Meeting, Teleconference, and Document Schedules
- Attachment 3 NEWIOU Standard Soil Cleanup Table
- Attachment 4 Project: FY02 CAMU Construction Schedule
- Attachment 5 SBBGWTP Monthly Data Sheet
- Attachment 6 CGWTP Monthly Data Sheet
- Attachment 7 NGWTP Monthly Data Sheet
- Attachment 8 CH2M Hill Field Activities, February 2002
- Attachment 9 GTI Field Activities, February 2002
- Attachment 10 URS Field Activities, February 2002

## **1. ADMINISTRATIVE**

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

The 13 February 2002 meeting minutes were approved and finalized.

### **B. Four-Month Calendar of Upcoming Milestones and Meeting Dates**

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

#### **Master Meeting and Document Schedule**

- Page 1, West/Annexes/Basewide Operable Unit (WABOU) Soil Record of Decision (ROD) draft final due date was changed to 4 March 2002 to reflect actual submittal date. The final due date was changed to 3 April 2002.
- Page 2, Central Groundwater Treatment Plant (CGWTP) Operations and Maintenance (O&M) Revision 1 schedule was revised. This document will become final on 2 April 2002.
- Page 3, LF007 Area C Groundwater Remedial Design response to comments and draft final due dates were changed to TBD (to be determined) pending the U.S. Fish and Wildlife Service consultation report.
- Page 4, Basewide Remedial Design/Remedial Action (RD/RA) Plan agencies' comments are due 15 March 2002. Mr. Lucey stated that he will have his comments by Tuesday. Ms. Raker stated that she does not believe she will have any comments.
- Page 5, Groundwater Sampling Analysis Program (GSAP) 2001 Annual Report response to comments and final due dates were changed to 13 March 2002.
- Page 6, Quarterly Newsletter will include an article on the summer remedial design activities.

## **2. OPERABLE UNIT UPDATE**

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

#### **1. Landfill Cap Design**

Mr. Malsberger stated that Travis AFB is waiting for funding to complete the draft final and final landfill cap design report. The funds are anticipated to be received by 1 April 2002 for contracting. The draft final design is tentatively scheduled to be completed by 1 May 2002.

## **2. Draft LF007C Groundwater Remedial Design Review**

Mr. Malsberger stated that the draft LF007C Groundwater Remedial Design is under review by the U.S. Fish and Wildlife Service. They have not provided an estimated completion date.

## **3. NEWIOU ROD Plan of Action and Milestones**

Mr. Malsberger asked if there were any questions or comments on the handout titled Tasks and Schedule Leading to the Draft NEWIOU Soil, Sediment, and Surface Water ROD. (This handout was distributed during the February 2002 RPM meeting.) There were no questions or comments.

Mr. Malsberger distributed the NEWIOU Standard Soil Cleanup Table (see Attachment 3). This table lists the known contaminants of concern for the NEWIOU. It presents cleanup levels based on  $10^{-6}$  residential human cancer and non-cancer risk; industrial worker cancer and non-cancer risk; ecological risk values and inorganic reference concentrations. (The table does not include contaminants in surface water and sediment associated with Union Creek.)

Mr. Malsberger also noted that the table has blanks for six COECs HQ=1 because the reference toxicity value was not readily available for the burrowing owl. The table will be updated when the cleanup levels are calculated.

Mr. Malsberger stated that this table is based on the assumption that the groundwater protection technical memorandum will show that there is no risk to groundwater from soil contamination.

Mr. Malsberger requested that the agencies review the NEWIOU standard soil cleanup table and provide feedback.

Additional items that will be submitted to the agencies are as follows:

- Sections 1 through 4 of the ROD, which is historical information about the Travis environmental program and its findings. This will be updated from the WABOU ROD and submitted to the agencies by 29 March 2002.
- A summary table of the sites, which is a working list of the sites, identifying the action, if any; habitat; cleanup standards; etc. This summary table for the first group of sites, which will provide site-specific information agreed upon, and will be emailed to the agencies prior to the next RPM meeting.
- At the next RPM meeting, a presentation will be given on the first group of sites, SD034, SS025, SD036, and SD037 in the WIOU.

- The ARARs were submitted on 28 February 2002 with a 60-day review period. Mr. Malsberger requested that the agencies ensure that their attorneys review the ARARs in the allotted time.

## **B. West/Annexes/Basewide Operable Unit**

### **1. Soil Record of Decision**

Mr. Anderson stated that on 4 March 2002 a second WABOU Soil ROD change package was submitted to the agencies that included the model land use control language, changes in how lead is described as a chemical of concern, additional text concerning Regional Board ARARs, and the corrections to errors found in the CAMU acceptance level table.

Mr. Anderson stated that the ROD is pending the Air Force's signature. Mr. Anderson asked Mr. Lucey if he had an update. Mr. Lucey stated he has forwarded the document to his attorney. Mr. Lucey stated that he is assuming that the U.S. EPA will not sign the ROD and will initiate the dispute.

Ms. Raker stated that she will be deferring to DTSC.

Mr. Lucey asked if the U.S. EPA disputes the ROD, would Travis AFB go ahead with the actions. Ms. Lehigh stated Langley AFB has proceeded with actions that are not impacted by the disputed items. Travis AFB may do the same.

### **2. FY02 RD/RA Schedule**

Mr. Brickeen stated that, although the funding has been delayed, Travis AFB still plans to excavate soil and complete excavations by October 2002 for the WABOU soil sites.

Travis AFB has received approximately 60% of the budget, which will fund operations and maintenance, the Restoration Advisory Board, management, 5-year reviews, and treatment plant operations.

Items that have not been funded are the remedial design projects and remedial action projects. These projects are not funded because the U.S. Department of Defense (DOD) gave directions that some environmental restoration projects may have to be funded as military construction projects. The criteria are remedial actions greater than \$750,000; or that affect real property facilities; these are considered a military construction project (MILCON). MILCONs are required to be contracted by the Naval Facilities Engineering Command or the U.S. Army Corps of Engineers.

DOD has requested that additional documentation be provided for every remedial design and remedial action project over \$750,000.

Travis AFB has one project that falls within these criteria: the remedial design for the landfill cap.

Once the documentation has been reviewed and determination has been made whether the projects are MILCON, then funds will be released for the projects that are not MILCON. Congress will be given 21-day notification for projects that are determined to be MILCON. This will result in a delay of RD/RA projects.

Mr. Brickeen stated that changes were made to the schedule to reflect the delay.

- Funding should take place by 1 July 2002 for the SS041 design. This will push the remedial action and placement in the CAMU out further and most likely will not take place this year.
- The CAMU will not be ready to receive additional soil until 2005, thus soil that is excavated will not be going into the CAMU. This will result in transporting the additional soil off base.

The completion of the CAMU design will have to be disassociated from the actual first phase of work of the CAMU. Travis AFB plans to start construction of the Phase 1 CAMU based on the available information in the draft design.

Ms. Raker asked if Travis AFB has a construction schedule that would break down the elements of the first phase of construction that shows where the work will start and how long it will take for each phase of the construction project for Phase 1. Mr. Malsberger stated that he will submit the schedule from the CQCP to Ms. Raker (this was submitted to Ms. Raker after the meeting).

It was agreed that the agencies would review the schedule and provide a response by the next teleconference.

### **3. Reactive Wall Report**

Mr. Anderson stated that Travis AFB received a pre-draft copy of the treatability study on the reactive wall. Travis AFB hopes to publish a draft report for the agencies to review.

Mr. Anderson stated that the contractor's (Mactec) contract expires on 31 March 2002. Travis AFB has requested a 3-month extension for support. Mr. Anderson stated that as soon as the project has been extended, a schedule will be developed and submitted to the agencies.

Mr. Anderson noted that he thought the pre-draft was well written, but he had requested options for the potential incorporation of the wall in the future remediation efforts at DP039 to be spelled out within the report.

### **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 6.6 million gallons of groundwater extracted and treated during the month of February 2002. The average flow was 162 gallons per minute (gpm). Approximately 2.7 pounds of volatile organic compounds (VOCs) were removed during February 2002. The total mass of VOCs removed since startup of the system is 170.2 pounds (see Attachment 5).

All extraction wells are currently in operation and the plant is performing at its highest efficiency. Since the restart of the air stripper, Aqua-Mag-1 was used as the sequestering agent. Although there have not been problems with the use of Aqua-Mag, Travis AFB has chosen to use MCT-4120, which is considered to be a better and more cost-effective sequestering agent. The reason for this change is that the orthophosphate in the Aqua-Mag product is a potential problem ingredient in some applications because of the tendency to form insoluble calcium salts; it can also act as a bionutrient.

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

Mr. Sreenivasan reported that the Central Groundwater Treatment Plant (CGWTP) performed at 99.4% uptime with approximately 3.5 million gallons of groundwater extracted and treated. The average flow for the CGWTP was 94.3 gpm during February 2002. Approximately 20 pounds of VOCs were treated during February 2002. The total mass of VOCs removed since startup of the system is 1,996 pounds (see Attachment 6).

The plant is operating efficiently with minimum problems.

The CGWTP O&M Manual Draft Final Rev. 1 was submitted to the agencies on 1 March 2002. Comments are due on 2 April 2002.

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

Mr. Sreenivasan reported that the North Groundwater Treatment Plant (NGWTP) performed at 78.0% uptime. Approximately 2.1 pounds of VOCs were removed during the month of February. Approximately 656,600 gallons of water were extracted and treated. The average flow for the NGWTP was 21.3 gpm for the month of January. The total mass of VOCs removed since startup of the system is 150.1 pounds (see Attachment 7).

High winds during the evening of 28 February 2002 caused the shutdown of the NGWTP along with the other groundwater treatment plants at Travis AFB. The storm caused damage to the wet well level sensing and control circuit, which prohibits the treatment plant from restarting. The controls subcontractor was contacted and the system repaired.

Mr. Sreenivasan stated that transitioning of the NGWTP from IT Corp to URS is well underway.

The NGWTP O&M Manual response to comments will be submitted to U.S. EPA next week.

**D. LF008 O&M Manual Review**

Mr. Anderson stated that the Air Force has provided responses to the U.S. EPA comments on the draft LF008 O&M Manual.

At the last RPM meeting, Travis AFB stated that it would look at the possibility of placing the information of this document into the CGWTP O&M Manual. At this time, Travis AFB has chosen to make sure that U.S. EPA's comments have been responded to before making a decision.

**E. DP039 Treatability Study Report**

The DP039 Treatability Study Report will be discussed during the March agency teleconference.

**F. GSAP Annual Report Review**

The change pages were handed out for the annual report. Quarterly sampling is currently being conducted. Travis AFB has completed collecting groundwater samples and will complete the groundwater level measurements.

**G. Questions on SD042**

Mr. Lucey discussed the approach for the excavation at SD042. As he understood, the excavation of the top 6 inches of soil would meet human health cleanup levels and any deeper excavation would meet ecological cleanup levels. Mr. Anderson stated that the remedial design is consistent with cleanup levels in the draft final ROD.

Mr. Lucey asked if the trench will be backfilled after the 6 inches are excavated. Mr. Anderson stated that if backfilling is necessary to maintain the proper drainage contours of the ditch, it will be done. If backfilling is not a part of the site restoration activities, Travis AFB will use the cleanup standard for surface soil (the upper 6 inches) as the confirmation standard.

**4. PROGRAM ISSUES UPDATE**

**A. Field Activity Reports**

Mr. Brickeen distributed the field activity reports from CH2M Hill, GTI, and URS (see Attachments 8, 9, and 10).

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

as of 13 March 2002

<b>AGENDA</b>	<b>RESPONSIBLE</b>	<b>ACTION ITEM</b>	<b>DUE DATE</b>	<b>STATUS</b>
1.	All	Review DP039 data after the GSAP Annual Report is submitted	12/05/01	Pending. (Due date was changed from 24 October 2001 to 13 March 2002.) <b>Closed.</b>



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

AGENDA	RESPONSIBLE	ACTION ITEM	DUE DATE	STATUS
1.	RWQCB	Follow up on the letter from the Air Force in response to the notice of violation for the NGWTP.	Open	Pending.
2.	DTSC	Submit “no comment” letters on the Treatment Plant Performance Monitoring Recommendations, WIOU NAAW, CAMU soil acceptance level technical memorandum, groundwater protection technical memorandum, and ST032 technical memorandum.	1/11/01	Pending. To be given next week.