

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

**11 September 2002, 0930 Hours**

Mr. Allen Brickeen, Travis Air Force Base (AFB), conducted the Remedial Program Managers (RPM) meeting held on 11 September 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
- Wilford Day                      Travis AFB
- Tom Sreenivasan                      Travis AFB
- DeAnn Lehigh                      Travis AFB
- Bruce Oshita                      HQ AMC/CEVR
- John Lucey                      U.S. Environment Protection Agency (U.S. EPA)
- Elizabeth Allen                      TechLaw
- Jose Salcedo                      Department of Toxic Substances Control (DTSC)
- Sarah Raker                      Regional Water Quality Control Board (RWQCB)
- Chuck Elliott                      CH2M Hill
- Ross Overby                      URS
- 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                      NEWIOU Standard Soil Cleanup Table
- Attachment 4                      Map of SS015 Solvent Spill Area and Facilities 550, 552
- Attachment 5                      SBBGWTP Monthly Data Sheet
- Attachment 6                      CGWTP Monthly Data Sheet
- Attachment 7                      NGWTP Monthly Data Sheet
- Attachment 8                      Free Product Removal handout
- Attachment 9                      Travis AFB – CH2M Hill Field Activities (September 2002)

- Attachment 10 Shaw Field Activities, Travis AFB (September – October 2002)
- Attachment 11 URS Field Activities, Travis AFB, August 2002

Mr. Brickeen introduced Mr. Ross Overby who has replaced Ms. Deena Stanley for URS.

## **1. ADMINISTRATIVE**

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

The 7 August 2002 meeting minutes were corrected, 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 3, LF007/Corrective Action Management Unit (CAMU) Soil Design Package final due date was changed to 30 August 2002.
- Page 3, LF007 Area C Remedial Design, LF007 C Groundwater response to comments and draft final due dates were changed to 30 August 2002 and the final due date was changed to 1 October 2002.
- Page 4, LF007 Work Plan final due date was changed to 30 August 2002. There were no comments; therefore the response to comments meeting was changed to not applicable (NA).
- The Land Use Control Plan schedule was deleted since it was determined that it is no longer necessary based on the ruling that resolved the WABOU Soil ROD dispute.
- Page 8, the SD045, LF008, and LF044 Soil Remedial Design Packages were moved to the historical section.

## **2. OPERABLE UNIT UPDATE**

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

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

##### **ARAR Review**

Mr. Malsberger asked for an update from DTSC. Mr. Salcedo stated that DTSC has no comments on the applicable or relevant and appropriate requirements (ARARs).

Mr. Malsberger stated that he is reviewing the request by RWQCB to include Title 27, Section 20310 (general construction criteria) in the Draft NEWIOU Record of Decision (ROD) Record of Decision (ROD).

Ms. Raker commented that Title 27, Section 20310 was identified in the LF007 Remedial Design Report but not in the preliminary ROD ARARs. This will be discussed at a later time if appropriate.

### **Sections 1 – 4 Review of the Draft ROD**

Mr. Malsberger asked if DTSC or U.S. EPA have any comments. Mr. Salcedo and Mr. Lucey stated that they are still reviewing the document.

### **Cleanup Table**

Mr. Malsberger provided the revised NEWIOU Standard Soil Cleanup Table (see Attachment 3) which includes the revised residential lead cleanup level of 146 mg/kg as requested by DTSC.

### **Set 1 and 2 Sites Decision Summary Sheet**

Mr. Malsberger asked DTSC and U.S. EPA if they had comments. Mr. Lucey stated that he is still reviewing the decision summary. Mr. Salcedo stated that he is agreement with the recommended actions.

### Other

Mr. Malsberger provided a map of SS015 (Solvent Spill Area and Facilities 550 and 552; (see Attachment 4), to correct one of the sample points (50-1455) that had been identified as a sample from the 2-foot depth when it was actually a surface sample.

### **Site Summaries (Set 1 and 2)**

Mr. Malsberger asked the agencies the status of their review on the site summaries. Mr. Lucey stated that he has not completed his review. Mr. Salcedo stated that he is in agreement with the recommended actions.

### **Set 3 Sites Review**

Mr. Malsberger asked the agencies the status of their review on the Set 3 site summaries. Ms. Raker stated that she has questions concerning OT010 groundwater. Ms. Raker requested data on TPH hits in wells near the former underground storage tanks (USTs). Ms. Raker had previously provided a list of wells requesting existing analytical data for each well. Mr. Chuck Elliott stated that he will do a database search, which covers all the RI data and GSAP data, and provide this information to the agencies.

Mr. Lucey and Mr. Salcedo have not completed their review of the Site 3 summaries.

## **2. LF007 Remedial Design**

Mr. Malsberger stated that the RWQCB wanted to keep open the issue of storm water sampling. Ms. Raker stated that the Storm Water Pollution Prevention Plan (SWPPP) for Travis AFB does not incorporate any sampling that could be related to the post maintenance of the landfill. (The RWQCB want to make sure that the landfill is covered under this general program.)

Mr. Malsberger asked Ms. Raker what sampling is appropriate. Ms. Raker stated that she would get back to the Air Force with this information.

Mr. Malsberger commented that Set 4 Sites (Fire Training Areas) will be presented at the next RPM meeting.

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

### **1. ROD Dispute Status**

Mr. Anderson reported that the ROD dispute is over and the text changes are being made to the ROD. Travis AFB will review the changes and revise the ROD to be in compliance with the decision. Mr. Anderson stated that the text changes deal with land use control requirements.

It is the understanding of Mr. Lucey and Mr. Salcedo that Travis AFB will work on land-use signage language. Mr. Lucey stated that signs will be posted where appropriate and procedures will be put in place that requires approval prior to any type of construction activity on Travis AFB.

Ms. Raker asked what the turnaround time should be for signing of the ROD. Ms. Lehigh stated that there is enough time for Ms. Raker to present the revised WABOU Soil ROD at the next Board meeting and obtain the Water Board signature.

## **3. CURRENT PROJECTS**

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

Mr. Sreenivasan reported that the South Base Boundary Groundwater Treatment Plant (SBBGWTP) performed at 99% uptime with approximately 6.46 million gallons of groundwater extracted and treated during the month of August 2002. The average flow was 145 gallons per minute (gpm). Approximately 0.82 pounds of volatile organic compounds (VOCs) were removed during the month of August. The total mass of VOCs removed since startup of the system is 182 pounds (see Attachment 5).

The new telemetry equipment is now installed and functioning well at all SS029 wells. The system will be monitored continuously and tested to ensure proper operation. The replacement consisted of installing new control modules in each of the SS029 well panels and the SBBGWTP PLC panel and modifying the existing PLC programming to accommodate the new system.

The TCE concentration at the plant influent was the lowest ever recorded this month, 14 µg/l. As part of the upcoming Five Year Review, the SBBGWTP extraction system will be evaluated with the use of the basewide groundwater model to develop recommendations for well flow rate reductions or well shut downs, while maintaining the necessary hydraulic capture of the south base area.

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

Mr. Sreenivasan reported that the Central Groundwater Treatment Plant (CGWTP) performed at 98.5% uptime with approximately 3.9 million gallons of groundwater extracted and treated. The average flow for the CGWTP was 88.5 gpm during August 2002. Approximately 23.4 pounds of VOCs were removed during August 2002. The total mass of VOCs removed since startup of the system is 2,175 pounds (see Attachment 6).

Minor downtime occurred at CGWTP and WTTP this month because of base wide power outages.

Approximately 45% or 1.75 million gallons of the 3.89 million gallons of treated water was used for irrigation this month. The remainder was discharged to the storm sewer.

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

Mr. Sreenivasan reported that the North Groundwater Treatment Plant (NGWTP) performed at 94.1% uptime with approximately 0.9 million gallons of groundwater extracted and treated during the month of August 2002. The average flow for the NGWTP was 24.0 gpm during August 2002. Approximately 6.5 pounds of VOCs were removed during August 2002. The total mass of VOCs removed since startup of the system is 171.8 pounds (see Attachment 7).

The NGWTP performed at 94.1% uptime with approximately 1.0 million gallons of groundwater extracted and treated during the month of August 2002. The average flow was 24 gpm. Approximately 6.5 pounds of VOCs were removed during August 2002. The total mass of VOCs removed since the start-up of the system is 171.8 pounds (Hard copy of the monthly data sheet will be enclosed with the monthly minutes).

Minor downtime occurred at the NGWTP due to a high temperature alarm at the influent to the vapor phase carbon vessels. The high temperature of the vapor stream resulted from a low flow rate at the heat exchanger transfer pump caused by a clogged strainer. To avoid this type of the problem in the future, the operator will maintain clean strainers on a weekly schedule.

The sequestering agent system that was installed at the NGWTP is functioning normal. All the treated water has been diverted to the duck pond for beneficial use. Periodic observations of the duck pond at the location of the treated water outfall have not detected any noticeable algae growth or discoloration. The Duck Pond will be continuously monitored for any signs of significant changes in the aqueous environment.

**D. FT005 Interim Remedial Action**

Mr. Sreenivasan reported that as of 6 September 2002, out of a total of 8 extraction wells and 15 monitoring wells for the off base FT005 area, 2 extraction wells and 7 monitoring wells have been installed. All but 2 of these wells have been developed. Wells which have been installed include the following: MW763x05, MW764x05, MW765x05, MW770x05, EW734x05, EW735x05, MW746x05, MW774x05, and MW748x05. (A map depicting the well locations was distributed to the agencies.)

Groundwater samples are being collected from each well at the time of development. These samples are being sent to the laboratory for VOC analysis with a standard turn around time of 21 days. Well installation and development will continue until all 23 off base wells have been installed. At this point, the projected completion date for well installation task is 11 October 2002.

Since 6 September 2002, an additional monitoring well (MW731x05) has been installed.

Mr. Sreenivasan stated that prior year funding has been obtained; however, AFCEE is processing the funds. Mr. Brickeen commented that it has been determined that more funding is required for this project. AFCEE is currently working with CH2M Hill to determine what activities can be accomplished in order to move forward.

Quarterly Reports

Ms. Raker commented that the 2002 operations and maintenance (O&M) quarterly reports for the various treatment systems have evolved into very informative reports. The reports now contain evaluations of the effectiveness of the treatment systems. Ms. Raker requested that DTSC and U.S. EPA review reports in order that they may be kept updated.

Ms. Raker also requested that the quarterly reports will now be more uniformed. Mr. Sreenivasan stated that the quarterly reports will implement all of the RWQCB's comments.

**E. LF007 Phase I Remedial Action**

Mr. Malsberger stated that the budget issues have been resolved. Shaw Environmental is now completing the Phase I field efforts. Pictures of the activities were emailed to the agencies. The trench and infiltration pit have been completed. The debris throughout the landfill will be removed. The area around

the clean soil holding area is being graded. The LF007 Phase I field efforts are scheduled to be completed by mid-October 2002.

Mr. Malsberger stated that as a result of the contract renegotiation, 2 additional monitoring wells and 6 gas probes will be installed as part of Phase I. Shaw also has the contract for the on base portion of LF007 Area C. They will install and develop wells and collect samples that will determine the status of the TCE plume).

Travis AFB is working with the Army Corps of Engineers (COE) on the off base portion of Area C. The COE will negotiate the easement to install 2 monitoring wells (guard wells) to ensure that the plume is not migrating further north. This is planned for the summer of 2003.

**F. RW013 Remedial Action Work Plan**

Mr. Anderson thanked Mr. Lucey for submitting his comments on the Work Plan in a timely manner.

Mr. Anderson stated that a teleconference may be required based on comments received.

Mr. Anderson stated that he sent an email to Mr. Steve Dean to give him an opportunity to observe what is being done during the RW013 remedial action. Mr. Anderson stated that he will make arrangements to assist Mr. Dean to get on base. Excavation will begin on 24 September 2002.

Mr. Bruce Oshita asked if the Air Force Institute for Environment, Safety, and Occupational Health and Risk Analysis (AFIERA) has indicated that they are set with the monies. Mr. Anderson stated that as long as they are out here by September, which is before the end of FY02, their funding status will be okay.

**G. LF008 O&M Manual**

The Air Force will revise the LF008 O&M manual similar to the NGWTP and CGWTP O&M manuals.

**H. DP039 Dual-Phase Treatability Study Report**

Mr. Anderson stated that the Air Force proposed removing the discussion concerning the rebound study from the text in order to finalize the document. This proposal was emailed to the U. S. EPA. Mr. Lucey stated that he spoke with Michelle Simmons, the EPA technical expert who has been supporting this treatability study. She has no comments. EPA Comment #2 addresses the rebound study issue and is a follow up comment that he will address.

## **I. October Guardian Update**

Mr. Sreenivasan stated that all the articles have been received and were forwarded to CH2M Hill on 10 September 2002. CH2M Hill will submit the draft electronically to the agencies for review and comment.

## **4. PROGRAM ISSUES UPDATE**

### **A. Other**

Mr. Brickeen sent an email to the regulatory agencies asking to identify at what point sites can be considered no further action (NFA) sites.

Mr. Brickeen asked if sites can be closed when a remedy specified in the ROD has been implemented. Mr. Lucey and Mr. Salcedo stated that it would be appropriate as long as the land use controls, such as signage, are in place.

Mr. Lucey asked how the other NFA sites in the ROD would be different from these NFA sites. Mr. Brickeen stated that for the NFA sites in the ROD, the Air Force is saying all necessary actions are complete. For the other sites where there is some action, it is still open-ended in the ROD.

Ms. Raker asked if the Air Force is asking for a concurrence document and a closure document. Mr. Brickeen stated yes. Another option would be to submit a closure document that is prepared with appropriate signature blocks.

### **B. Free Product Removal**

Mr. Brickeen stated that this will be a project that will be placed in the performance-based contracts. The objective is to get agencies concurrence that additional removal of free product on these sites is not necessary.

Mr. Day distributed graphs, maps, and tables showing free product removal history at SS014, ST032, and SD034 showing monthly amounts removed (see Attachment 8). Mr. Brickeen reviewed the handout.

Mr. Brickeen asked at what point free product removal could cease. This information would be passed onto the contractors to give them an idea of what they have to do to obtain written concurrence from the agencies that no further action is required for free product removal on a particular site.

Ms. Raker stated that she looks at all sites relative to its location on the base and other activities, and the relationship of the product to other groundwater contamination, and the sources.

Ms. Raker stated that she will check with the RWQCB's UST specialist to determine where the line should be drawn. A technical memorandum or closure report may be appropriate.



Mr. Malsberger emphasized that the contracts are just for free product removal and not closure of the sites. The contractor's goal line is a letter from agencies stating that removal of free product is no longer required at the sites. The Air Force is looking for numerical criteria to shutdown free product removal or wait for rebound.

Mr. Salcedo asked what the negative numbers represent on the SD034 data tables. Mr. Wilford Day stated that he will investigate this.

Ms. Raker asked if everything is consistent with the SS014 Work Plan. Mr. Elliott stated yes.

Mr. Brickeen stated that AFCEE would like to submit the request for proposal within a few weeks. The contractors will visit Travis AFB on 20 and 21 October 2002. A tour has been arranged for the contractors on 20 October 2002 give contractors an overview of Travis AFB. A question/answer session will be conducted on 21 October 2002. Mr. Brickeen requested that the agencies be available on the afternoon for the question/answer session. The contract will be awarded March 2003. A draft of the RFP will be sent to the agencies prior to being submitted.

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

<b>AGENDA</b>	<b>RESPONSIBLE</b>	<b>ACTION ITEM</b>	<b>DUE DATE</b>	<b>STATUS</b>
1.	Air Force	To determine how the site-specific remedial action work plans can be changed from primary documents to informational documents within the FFA.	Open	Ms. Lehigh stated that the best approach would be to write a MOA or MOU, rather than tamper with the FFA. The regulatory agencies will determine if this is appropriate. Completed. <b>Item Closed.</b>

## ACTION ITEM LIST

(Action Items Open)

AGENDA	RESPONSIBLE	ACTION ITEM	DUE DATE	STATUS
1.	RWQCB	To provide the recommended changes to the Storm Water Pollution Prevention Plan (SWPPP).	9-25-02	New Item.
2.	Air Force	Check the status of the SWPPP revisions.	9-25-02	New Item.