**Final**

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

**12 March 2003, 0930 Hours**

Mr. Mark Smith, Travis Air Force Base (AFB), conducted the Remedial Program Managers (RPM) meeting held on 12 March 2003 at 0930 in Building 246, Upstairs Conference Room, Travis AFB, California. Attendees included:

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|---|---|
| • Mark Smith | Travis AFB |
| • Dale Malsberger | Travis AFB |
| • Wilford Day | Travis AFB |
| • Glenn Anderson | Travis AFB (via teleconference) |
| • John Lucey | U.S. Environment Protection Agency (U.S. EPA) |
| • Jose Salcedo | Department of Toxic Substance Control (DTSC) |
| • Elizabeth Allen | TechLaw |
| • Sarah Raker | Regional Water Quality Control Board (RWQCB) |
| • Mike Wray | CH2M Hill |
| • Ross Overby | URS |
| • Brian Garber | Shaw Engineering and Infrastructure (SE&I) |

Handouts distributed throughout the meeting included:

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|---|---|
| • 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 (March 2003) |
| • Attachment 7 | URS Field Activities, Travis AFB (February 2003) |

## 1. ADMINISTRATIVE

### A. Previous Meeting Minutes

The minutes from the February 2003 RPM meeting 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, SS015 Soil Remedial Design (RD) response to comments and final due dates were changed to 12 March 2003. SS041 RD draft final due date was changed to 30 January 2003 and the final due date was changed to 12 March 2003. (The changeout pages for both documents were distributed to the agencies.)
- Page 4, Groundwater Sampling Analysis Program (GSAP) Annual Report schedule was updated.
- Page 5, Community Involvement Plan schedule was established.
- Page 6, Groundwater Treatment Plants Annual Report schedule was established.
- Page 7, LF008 Site-Specific Remedial Action (RA) Work Plan final due date was changed to 13 March 2003.
- Page 9, GSAP Annual Report and Groundwater Treatment Plants Annual Report for 2002 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

##### a. Groundwater Protection Technical Memorandum

Mr. Malsberger stated that the Groundwater Protection Technical Memorandum is being developed and should be submitted by 31 March 2003.

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

Mr. Malsberger stated the site visit to review habitat quality took place and the next step is to outline an approach to the ecological risk assessment to develop the ecological protection technical

memorandum. A draft of the proposed approach was previously emailed to the RPMs for review and comments.

Mr. Malsberger asked for comments. It was agreed that a meeting with the risk assessors will be necessary. This meeting has been tentatively scheduled for 25 March 2003 at 9:30 a.m.

**c. SS015 Remedial Design**

Mr. Malsberger stated that discussions have taken place regarding the potential for soil gas intrusion into the building planned for site SS015. It was agreed to include the soil gas intrusion schematic as an attachment to the documentation regarding the potential risks at the site and the mitigation measures being taken. The U.S. Army Corps of Engineers (USACE) has finalized the design and included a vapor barrier and a passive venting system, which will eliminate the risk of TCE vapors entering the building planned for the site.

The final RD for SS015 (with changeout pages) was distributed to the agencies.

In previous meetings an interest in installing additional groundwater monitoring wells was raised. Mr. Smith stated that from his investigation and conversation with Mr. Roger Johnson, funds were not set aside to install an additional well at this site, as previously thought.

**d. Five-Year Review**

Mr. Malsberger stated that the tentative distribution date for the Five-Year Review is 21 March 2003.

Mr. Malsberger reported that Parson Engineering will have the preliminary results from the biodegradation study that used vegetable oil to enhance degradation by mid April, 2003. The final report is due mid-May 2003.

## B. West/Annexes/Basewide Operable Unit

### 1. Potential for Future Treatability Study – Direct Push Technology

Mr. Anderson reported that DP039 may be used in a treatability study. The study may provide real-time vertical contaminant concentration profiling of DNAPL at the site. This study is sponsored by the U.S. Department of Defense, U.S. EPA, AFCEE, and the Department of Energy. Additional information will be presented to the agencies at a later date. This study may take place in April 2003.

## 3. CURRENT PROJECTS

### A. South Base Boundary Groundwater Treatment Plant

Mr. Smith reported that the South Base Boundary Groundwater Treatment Plant (SBBGWTP) performed at 100% uptime with approximately 5.8 million gallons of groundwater extracted and treated during the month of February 2003. The average flow was 144 gallons per minute (gpm). Approximately 3.2 pounds of VOCs were removed during the month of February 2003. The total mass of VOCs removed since startup of the system is 203 pounds (see Attachment 3).

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

1. The new pump at EW01x05 has been installed and the integrity of the wiring is being checked and will be repaired or replaced.

2. Carbon Vessel B was successfully backwashed this month.

3. pH monitoring of the effluent was performed to address the increasing levels seen during the last couple of months. pH was adjusted by adjusting the plant flow rate to bring down pH within specifications.

4. An erratic low flow alarm at EW07x29 was mentioned in the last RPM meeting. It is still being investigated by Meyer Controls and will be resolved in early March.

### B. Central Groundwater Treatment Plant

Mr. Smith reported that the Central Groundwater Treatment Plant (CGWTP) performed at 100% uptime with approximately 3.6 million gallons of groundwater extracted and treated. The average flow for the CGWTP was 89.3 gpm during February 2003. Approximately 26 pounds of VOCs were removed during February 2003. The total mass of VOCs removed since startup of the system is 2,436 pounds (see Attachment 4).

The CGWTP operated without any shutdowns during February.

The thermal oxidation (ThOx) system went offline and remained offline 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 ordered and is expected to arrive at Travis AFB in April 2003.

The West Treatment and Transfer Plant (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 turning off these

blowers has to overall CGWTP and WTTP performance is expected to be minimal, but will be monitored during the next few months.

All treated water is being diverted to the storm sewer until spring due to the onset of the wet winter months.

**C. North Groundwater Treatment Plant**

Mr. Smith reported that the North Groundwater Treatment Plant (NGWTP) performed at 99.8% uptime with approximately 948,000 gallons of groundwater extracted and treated during the month of February 2003. The average flow for the NGWTP was 23.6 gpm during February 2003. Approximately 0.7 pound of VOCs was removed during February 2003. The total mass of VOCs removed since startup of the system is 197 pounds (see Attachment 5).

The soil vapor extraction system at the NGWTP remained shutdown in February because of high groundwater elevations due to rainy season.

Ms. Raker asked if the oil/water separator could be the unknown source of TPH and contributed to the petroleum issue. Could it be weathered petroleum and not a new release? Mr. Overby stated that the TPH was identified during the remedial investigation. The data suggest that the TPH is a weathered release that occurred some time ago.

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

Mr. Anderson stated that three containers with contaminated soil from RW013 were transferred to EnviroCare, the low level radioactive waste repository in Utah. The restoration of the site is almost complete; the Air Force will hydroseed the site when the weather improves.

Mr. Anderson reported that Travis AFB will repair the berm that was breached at LF044 during a heavy rain event. The repair will be made when the area dries.

Currently, the Air Force is working on remedial action reports for RW013 and LF044. These sites will be presented in separate reports; the first to be submitted will be RW013.

Mr. Anderson stated that the analytical results indicate the residential cleanup goals were achieved for RW013. A schedule will be developed for submitting the remedial action reports.

**E. LF008 O&M Manual**

Mr. Anderson stated that the Air Force and agencies discussed requirements for the O&M Manual. The Air Force will distribute proposed changes to the

manual for review and comment. The current plan is to include related reports and data by reference.

### F. April 2003 Guardian and RAB Update

All articles to be published have been received. Articles are being sized to fit the four-page format. The draft layout is being developed and will be sent for review to Travis AFB and the RPMs on 14 March 2003.

The next RAB meeting is scheduled for 24 April 2003.

## 4. PROGRAM ISSUES UPDATE

### A. 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. | RWQCB | To provide the recommended changes to the Storm Water Pollution Prevention Plan (SWPPP). | 6-11-2003 | Ms. Raker stated that the post O&M plan for the CAMU is adequate to cover the surface water issues. Next year, the Phase II permit becomes effective and the SWPPP requirements may need to be modified. **Completed. Item Closed.** |