

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

8 January 2003, 0930 Hours

Mr. Allen Brickeen, Travis Air Force Base (AFB), conducted the Remedial Program Managers (RPM) meeting held on 8 January 2003 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
- Roger Johnson Air Force Center for Environmental Excellence (AFCEE)
- Roby Gregg AFCEE
- 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)
- Wayne Williams CH2M Hill
- Ross Overby URS
- Elise Willmeth URS
- Brian Garber Shaw Engineering and Infrastructure (SE&I)
- Christian Canon ECC

Handouts distributed throughout the meeting included:

- Attachment 1 Meeting Agenda
- Attachment 2 Master Meeting, Teleconference, and Document Schedules
- Attachment 3 Remedy Table for NEWIOU Sites at Travis AFB
- Attachment 4 SBBGWTP Monthly Data Sheet
- Attachment 5 CGWTP Monthly Data Sheet
- Attachment 6 NGWTP Monthly Data Sheet
- Attachment 7 Travis AFB – CH2M Hill Field Activities (October – November 2002)
- Attachment 8 URS Field Activities, Travis AFB (September 2002)

1. ADMINISTRATIVE

Mr. Brickeen stated that Mr. Anderson has been appointed as the temporary Installation Restoration Program (IRP) Manager.

A. Previous Meeting Minutes

The 11 December 2002 draft meeting minutes were distributed for review and comments. Comments and/or responses are due by 11 February 2003.

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 date was changed to 11 December 2002.
- Page 2, South Base Boundary Treatment Plant point of contact for the Air Force was changed to Mr. Sreenivasan.
- Page 4, Groundwater Sampling Analysis Program (GSAP) Annual Report schedule was updated.
- Page 5, LF008 Construction Quality Control Plan (CQCP) schedule was updated.
- Page 7, LF008 Site-Specific Remedial Action (RA) Work Plan schedule was updated.
- Page 9, RW013/LF044 Site-Specific RA Work Plan was 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

Ms. Raker reported that the U.S. EPA's and Water Board's attorneys are still reviewing the Basin Plan to determine if it should be an ARAR.

Mr. Malsberger stated that the Air Force can address the Basin Plan in the same manner as it was addressed in the WABOU ROD. If anything changes, then the Air Force will amend the ARARs in the NEWIOU Soil ROD accordingly. Mr. Lucey and Ms. Raker agreed.

2. Sections 1 through 4 Review of the Draft ROD

No discussion.

3. Table of Cleanup Levels

Mr. Malsberger asked the agencies for comments on the new cleanup table that incorporates the U.S. EPA Region 9 2002 preliminary remediation goals (PRGs). Ecological risk cleanup levels will be evaluated further in the Ecological Protection Technical Memorandum. Once the Air Force has resolved the ecological cleanup level issue through the Ecological Protection Technical Memorandum, the Air Force will review the NEWIOU sites and determine if the new 2002 PRGs or any changes to the ecological cleanup values impact the proposed site-specific decisions.

4. SS015 Soil Gas and Construction Interface

Mr. Malsberger stated that the agency comments on the SS015 remedial design are due on 15 January 2003. The agencies stated that comments are on schedule.

Mr. Malsberger stated that the RWQCB requested additional information on groundwater and soil gas data for this site. Mr. Malsberger stated that the drawings combining site characteristics, with soil gas and groundwater quality data were not completed; however, the site data will be reviewed after today's meeting. Ms. Raker stated that she would like to discuss where the buildings and pavement are located.

5. Sets 1 through 5 Site Reviews

Mr. Malsberger distributed a handout titled Remedy Table for NEWIOU Sites at Travis AFB (updated site summary sheets) (see Attachment 3).

Sets 2, 3, and 4

Mr. Malsberger stated that he is waiting for comments from Mr. Lucey and Mr. Salcedo.

Set 5

The agencies are still reviewing the information.

6. Other

Mr. Malsberger stated that the Air Force will proceed with the Groundwater Protection Technical Memorandum with a planned submission in March 2003 and the Ecological Protection Technical Memorandum with a planned submission in May 2003.

Mr. Malsberger requested that the agencies contact Ms. Séance Dupre and Mr. Mike Anderson (ecological risk personnel) to determine their availability to meet for discussion on the Ecological Protection Technical Memorandum and possibly observe sites for habitat.

Ms. Raker stated that there will be someone involved from the Water Board to review the discharge to Union Creek.

B. West/Annexes/Basewide Operable Unit

1. Final ROD Distribution

Mr. Anderson stated that the Air Force is still in the process of creating a hardcopy of the WABOU Soil ROD for distribution. It will be sent by FedEx or distributed at the next RPM meeting. An electronic version will also be created.

2. RD/RA Schedule

Mr. Anderson stated that the schedule was mailed to the agencies in December 2002.

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 6.9 million gallons of groundwater extracted and treated during the month of December 2002. The average flow was 154 gallons per minute (gpm). Approximately 3.2 pounds of volatile organic compounds (VOCs) were removed during the month of December 2002. The total mass of VOCs removed since startup of the system is 194 pounds (see Attachment 4).

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

1. Two well pumps EW01x05 and EW02x30 have apparently failed. The reason for the failure is unknown and being investigated. The EW01x05 pump was pulled from the well and found to have stripped splines. This pump is still under warranty and will be replaced in January 2003. The EW02x30 pump is still in the well and will be repaired or replaced if necessary in January.
2. Several of the flow sensors in the SS029 well field have begun to show signs of malfunction in the form of rapid signal fluctuation. According to the manufacturer, these sensors have outlived their expected service life. To date two of the sensors have been replaced. Others will be replaced as needed.

3. A heater has been installed in the sequestering agent feed system to avoid freezing and maintain appropriate viscosity during the winter months.

B. Central Groundwater Treatment Plant

Mr. Sreenivasan reported that the Central Groundwater Treatment Plant (CGWTP) performed at 94.9% uptime with approximately 6.9 million gallons of groundwater extracted and treated. The average flow for the CGWTP was 83 gpm during December 2002. Approximately 29 pounds of VOCs were removed during December 2002. The total mass of VOCs removed since startup of the system is 2,384 pounds (see Attachment 5).

Focused extraction of only the 2-phase well (TPE-W) continued at SS016. TCE concentrations continue to decrease at the TPE-W from an initial concentration of 380 ppmv during the post rebound sampling to 46 ppmv on 21 November 2002 and 13 ppmv on 12 December 2002.

The thermal oxidation (ThOx) unit went off line on 27 December 2002 due to water in the stack from heavy rainfall. The burner was allowed to dry before attempting to restart. However, further inspection of the knit metal fiber burner showed that it has corroded to the point where it no longer can produce an evenly distributed flame and needs to be replaced. Warranty issues are being worked out with the manufacturer.

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

C. North Groundwater Treatment Plant

Mr. Sreenivasan reported that the North Groundwater Treatment Plant (NGWTP) performed at 90% uptime with approximately 627,000 gallons of groundwater extracted and treated during the month of December 2002. The average flow for the NGWTP was 15.6 gpm during December 2002. Approximately 1 pound of VOCs was removed during December 2002. The total mass of VOCs removed since startup of the system is 167 pounds (see Attachment 6).

The significant amount of down time this month can be attributed to untimely shutdowns of the plant. The two that occurred were at the beginning of a weekend, causing the plant to be out of operation for a longer duration than normal.

All treated water is being diverted to the duck pond for beneficial use.

The entire well field was shut down twice this month. On both occasions, the operator observed that an air stripper trouble alarm has shut down the system; however, upon restarting the plant, no obvious cause for the trouble was observed. With the installation of the SCADA system on 20 December, the operator will now be able to access the system operating conditions

immediately before shutdown, and will have the tool available for diagnosing these repetitive shutdowns.

Due to high concentrations detected in the vapor effluent with the new PID detector, the soil vapor extraction (SVE) system was shut down. The high concentration of contaminants in the soil vapor treated at this plant requires an alternative to the vapor-phase granular activated carbon (VGAC) Treatment technology.

Ms. Raker asked for additional information on the hydrocarbon profiles. Mr. George Joyce stated that several analyses were conducted – and the hydrocarbons do not fit the standard diesel or gasoline profile.

This may be a petroleum-type product that has degraded over time. This high concentration is excluded from CERCLA and may become a compliance issue or the ThOx system can be relocated at the NGWTP to thermally destroy the un-characterizable contaminant. Petroleum compounds have been detected in the hangar area as noted in the GSAP and cannot be treated by the existing system.

Ms. Raker asked if this will require a petroleum investigation. Mr. Joyce stated that this has the potential to become a petroleum-only contaminated (POCO) site. The GSAP does not provide data to completely assess this area.

Ms. Raker would like to look at the ability to further assess this area during the GSAP review.

D. Other

Ms. Raker asked if there were any impacts from the storm. Mr. Sreenivasan stated no.

E. LF007 Well Sampling

Mr. Malsberger gave an update on the LF007 well construction that occurred during the last construction season and planned sampling of the wells.

- Phase I – six gas monitoring wells and two groundwater monitoring wells were installed.
- Area C – two on-base extraction wells were installed at the base boundary and three on-base monitoring wells. We would like to sample all the new wells as soon as possible. The Air Force previously negotiated with U.S. Fish and Wildlife Service to install the wells during the dry season and not measure or sample the wells when there is standing water in the vernal pools. All wells but one of the Area C wells are in the vernal pools. Travis AFB proposes to sample the two CAMU wells and southern most wells in the Area C during February 2003.

Mr. Malsberger stated that the extraction system will be installed during the summer of 2003.

F. RW013/LF044 Remedial Action Work Plan

Mr. Anderson stated that the soil around the containers containing excavated soil from RW013 is quite wet and clayey, increasing the difficulty in moving the containers. The Air Force is looking at options to remove the containers from the site and ship them to Utah.

Mr. Anderson asked Mr. Lucey if RW013 data produced by the US EPA will be available for inclusion in the RA report. Mr. Lucey stated that he would provide the letter report on the U.S. EPA analyses performed on the soil from RW013 along with the data. This information is needed to complete the RA report.

Mr. Anderson reported that the field activities at LF044 are ongoing. During the recent storm, the stormwater diversion berm was breached. The Air Force is assessing other options to manage the storm water.

G. LF008 O&M Manual

Mr. Anderson stated that he will begin finalizing the LF008 O&M manual.

H. GSAP Review

Mr. Sreenivasan thanked Ms. Raker and Mr. Lucey for their comments.

I. January 2003 Guardian and RAB Update

Mr. Sreenivasan stated that the final edition of the January 2003 *Guardian* will be issued on 10 January 2003, and the Restoration Advisory Board (RAB) meeting will be held on 23 January 2003. Mr. Lucey will give a presentation on the U.S. EPA during the April 2003 RAB meeting. Ms. Raker will give a presentation on the RWQCB during the January 2003 RAB meeting.

Mr. Sreenivasan stated that the RAB members will be given information on the potential out-of-state RAB meeting for October 2003. Mr. Wayne Williams expressed a concern that since RAB meetings are for the public, holding the April meeting out of state could potentially prevent the public from attending. Ms. Lehigh stated that the biggest concern is potentially preventing RAB members from being able to attend.

The dry run for the RAB meeting will take place on 15 January 2003 at 9:00 a.m.

4. PROGRAM ISSUES UPDATE

A. Other

Ms. Raker stated that the Water Board will continue to support the project in spite of the State's budget. A letter was given to Mr. Anderson stating so.

B. Field Activity Reports

Mr. Anderson distributed the field activity reports from CH2M Hill and URS (see Attachments 7 and 8).

ACTION ITEM LIST
(Action Items Closed)

AGENDA	RESPONSIBLE	ACTION ITEM	DUE DATE	STATUS
1.	URS	To determine the operating cost for material removed at NGWTP (to include VOC and chlorinated). To propose a method in which all contractors are reporting the same information.	12-12-02	URS has provided the Air Force with a proposal. The Air Force is currently reviewing the proposal for implementation. The metrics will be reported in the quarterly. Completed. Item Closed.

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).	6-11-2003	Pending. Ms. Raker stated that the Phase II Storm Water Permit comes into effect March 2003.
2.	Agencies	To determine the availability of their respective ecological risk assessors for a tour of NEWIOU sites.	teleconference	New Item.