

**Travis Air Force Base
Environmental Management
Environmental Management, Building 570, Travis AFB, California
Environmental Restoration Program
Remedial Program Managers Meeting
Meeting Minutes**

14 April 2004, 0930 Hours

Mr. Glenn Anderson, Travis Air Force Base (AFB), conducted the Remedial Program Managers (RPM) meeting held on 14 April 2004 at 0930 in the Base Civil Engineering Conference Room, Building 570, Travis AFB, California. Attendees included:

- Glenn Anderson Travis AFB
- Dale Malsberger Travis AFB
- Wilford Day Travis AFB
- Roby Gregg Air Force Center for Environmental Excellence (AFCEE)
- Gregory Parrott 60 AMW/JA
- John Lucey U.S. Environment Protection Agency (U.S. EPA)
- Elizabeth Allen TechLaw
- Sarah Raker Regional Water Quality Control Board (Water Board) via telecommunication
- Jose Salcedo Department of Toxic Substances Control (DTSC)
- Mike Wray CH2M Hill
- Amir Matin URS
- Eric Rixen Shaw Engineering and Infrastructure (Shaw E&I)

Handouts distributed throughout the meeting included:

- Attachment 1 Meeting Agenda
- Attachment 2 Master Meeting, Teleconference, and Document Schedules
- Attachment 3 Ecological Technical Memorandum Field Sampling Plan Schedule
- Attachment 4 SBBGWTP Monthly Data Sheet (March 2004)
- Attachment 5 CGWTP Monthly Data Sheet (March 2004)
- Attachment 6 NGWTP Monthly Data Sheet (March 2004)
- Attachment 7 URS Field Activities, Travis AFB (March 2004)

1. ADMINISTRATIVE

A. Previous Meeting Minutes

The meeting minutes from the March 2004 RPM meeting were approved with changes 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 Master Document Schedule

- Page 1, North, East, West Industrial Operable Unit (NEWIOU) Soil/Sediment/Surface Water Record of Decision (ROD), predraft to Air Force/Service Center due date was changed to 4 October 2004 and Air Force/Service Center comments due date was changed to 3 November 2004.
- Page 2, Corrective Action Management Unit (CAMU) Phase 2 Project Summary final due date was changed to 6 April 2004, reflecting that there were no comments from the agencies.
- Page 3, South Base Boundary Groundwater Treatment Plant (SBBGWTP) Operation and Maintenance (O&M) Manual Revision 3, final due date was changed to 31 March 2004 to reflect the actual submittal date. Ms. Raker stated that she received the cover letter but not the CD-ROM.
- Page 6, SD042 Remedial Action Report and the Groundwater Sampling and Analysis Program (GSAP) Annual Report were moved to the Historical Document Section.

2. OPERABLE UNIT UPDATE

A. North, East, West, Industrial Operable Unit Plan of Action and Milestones

1. Ecological Technical Memorandum

a. Comments, Responses, Meeting Minutes

Mr. Malsberger stated that the revised meeting minutes for the 10 February 2004 technical meeting for the Ecological Technical Memorandum were sent out on 24 March 2004 and the responses to comments on the preliminary Field Sampling Plan were sent out on 9 April 2004.

Mr. Malsberger briefly reviewed the Ecological Technical Memorandum Field Sampling Plan (FSP) schedule (see Attachment 3). The draft FSP will be submitted on 3 May 2004. Creek sampling will take place during the first week of June 2004. The revised draft Ecological Technical Memorandum will be submitted on 3 August 2004 and will become final on 16 September 2004.

Mr. Lucey commented on the approach of the remedial options. Mr. Malsberger stated that the approach has always been either no action or excavate based upon the feasibility study and proposed plan.

Mr. Malsberger reminded the agencies that the official draft ROD is due 3 December 2004.

Ms. Allen asked how adamant Air Staff will be if the ROD is late since Air Staff will probably focus more on the institutional controls issue. Mr. Malsberger stated that Air Staff will want to have the entire ROD submitted whether they review all portions of it or not.

Ms. Raker asked when the agencies will have a full review. Mr. Malsberger stated that the agencies will have a full review after the Air Force has reviewed the ROD.

Ms. Raker suggested that the Air Force set a schedule for the risk management decision and remedial action for Union Creek along with the remedial design for FT003 and FT005.

Mr. Malsberger stated that as soon as the data on Union Creek has been evaluated, a discussion will take place on proposed actions; however, Mr. Malsberger will add an item to the schedule as suggested.

Mr. Lucey stated that public participation should also be included in this schedule. Mr. Malsberger stated that once agreement has been reached, a proposed plan update will be presented to the public.

Mr. Lucey also suggested that the Air Force provide an update to the Restoration Advisory Board (RAB) on the progress of the ROD along with placing an advertisement in the newspaper stating that Travis AFB is considering actions at Union Creek. Mr. Anderson stated that the January 2005 RAB meeting would be the most opportune time to do this.

Note: Ms. Allen stated that she would send the institutional control language that is in the Castle AFB ROD.

b. Union Creek Sampling

Mr. Lucey expressed concern about the approach to the salmon habitat. Are all the actions protective of endangered species and salmon? A conservative approach would eliminate concerns expressed by the California Department of Fish and Game.

Mr. Malsberger stated that pictures of the salmon were taken and sent to the appropriate agency (National Marine Fisheries Service). The salmon photographs are included in the Ecological Technical Memorandum. Determination would be made as to the risk, if any, to the salmon.

2. Human Health Technical Memorandum

Mr. Malsberger stated that the Human Health Technical Memorandum was issued to the agencies on 9 April 2004. Mr. Malsberger asked the agencies to review the memorandum and submit comments within 30 days.

Ms. Allen stated that DTSC has been concerned with risk associated with total petroleum hydrocarbons (TPHs) and asked if this will be an issue at Travis AFB. Mr. Salcedo stated that it may be. Recently, DTSC has begun to look at the individual chemicals in TPH such as benzene. It is unknown whether this will become a policy. Mr. Salcedo will keep the RPMs updated on this issue.

Ms. Raker asked if there are any petroleum sites that have elevated concentration of polycyclic aromatic hydrocarbons (PAHs). Mr. Malsberger stated that originally during the remedial investigation, PAHs were treated as a CERCLA contaminant. So, if there were elevated PAHs at a site, regardless if there was TPH or not, the site would have been classified as a non-POCO site (POCO stands for petroleum-contaminated only).

Ms. Raker asked if TPH had been analyzed everywhere. Mr. Malsberger stated that he will investigate and determine if the POCO sites were analyzed for PAHs.

3. Early Remedial Designs FT005 and FT003

Mr. Malsberger stated that the Air Force will provide a packet that summarizes the risk, proposed alternatives, and rationale.

Agreement will need to be reached on what will be done at these sites. Funds are available to prepare the remedial designs for FT003 and FT005. The remedial designs will need to begin in order that the funds are not forfeited.

4. Overall Schedule

Mr. Anderson stated that if there are any concerns with the schedule, please let the Air Force know as soon as possible.

5. Applicable or Relevant and Appropriate Requirements

Ms. Raker is still working on the language for the Basin Plan.

3. CURRENT PROJECTS

A. South Base Boundary Groundwater Treatment Plant

Mr. Matin reported that the SBBGWTP performed at 100% uptime with approximately 6.5 million gallons of groundwater extracted and treated during the month of March 2004. The average flow for the SBBGWTP was 161 gallons per minute (gpm). Approximately 3.1 pounds of volatile organic compounds (VOCs) were removed during March 2004. The total mass of VOCs removed since startup of the system is approximately 245 pounds (see Attachment 4).

The results of monthly groundwater samples were non-detect.

B. Central Groundwater Treatment Plant

Mr. Matin reported that the Central Groundwater Treatment Plant (CGWTP) performed at 96.5% uptime with approximately 3.9 million gallons of groundwater extracted and treated during the month of March 2004. The average flow for the CGWTP was 91 gpm. Approximately 473 pounds of VOCs (of which 452 pounds were from vapor) were removed during March 2004. The total mass of VOCs removed since startup of the system is 5,599 pounds (see Attachment 5).

The thermal oxidation system continued to treat soil vapor from the 2-phase well as part of the SS016 focused vapor extraction activities. Soil vapor samples collected on 4 March 2004 showed an increase in trichloethene (TCE) concentrations at 340 parts per million by volume. System vapor samples are scheduled to be collected and analyzed in June 2004 (quarterly frequency).

The West Treatment and Transfer Plant (WTTP) vacuum blowers will remain off line and rebound samples will be collected and analyzed in approximately six months.

All treated water was diverted to the storm sewer which is the standard operating procedure during the winter months. The Air Force will resume irrigation of Area 200 with treated water from the CGWTP in the spring.

C. North Groundwater Treatment Plant

Mr. Matin reported that the North Groundwater Treatment Plant (NGWTP) performed at 100% uptime with approximately 1.0 million gallons of groundwater extracted and treated during the month of March 2004. The average flow for the NGWTP was 25 gpm. One pound of vapor and groundwater VOC mass was removed through extraction during March 2004. The total mass of VOCs removed since startup of the system is 5,273 pounds (see Attachment 6).

The NGWTP experienced no shutdowns during the month of March 2004.

The soil vapor extraction (SVE) system remained off line due to water levels above the well screens. Expected startup of the SVE system is summer 2004. All treated groundwater from the plant was sent to the duck pond for beneficial use.

Mr. Matin stated that URS is working on a proposal to convert monitoring wells to extraction wells in this area.

Mr. Matin stated that the quarterly report will include an optimization history section highlighting all activities during the quarter.

Mr. Matin also stated that Mr. Sreenivasan has requested that URS have a plan of attack for the rebound study on the WTTP/SVE system since contaminant concentrations are decreasing. This plan will be presented to the Air Force.

D. CAMU

1. CAMU Phase 2 Project Summary Report

Mr. Malsberger stated that the final CAMU Phase 2 Project Summary Report was issued on 7 April 2004.

2. CAMU Presentation at the Water Board

The dry run for the CAMU presentation at the Water Board will take place on 22 April 2004. The Air Force will give a presentation to the Water Board in Oakland, California, on 28 April 2004 at 1:00 p.m.

3. CAMU Wetland Mitigation Performance Criteria

Mr. Malsberger stated that the contractor has surveyed the vernal pools and will return the end of May 2004 to do the second phase survey. A report will then be generated describing the condition of the pool and recommendations for any necessary actions.

4. Quarterly Inspection and Monitoring Report

Mr. Malsberger stated that the quarterly inspection and monitoring report was submitted to the agencies on 10 March 2004 for comments.

Ms. Raker had the following concerns:

- “Site Security – tire damaged within the drainage channel shall be repaired” – what is the Air Force doing to prevent this. Mr. Rixen stated that it appears the samplers were going out to sample wells right after the first rain and they were not aware of the soft soil. Mr. Stopher has conferred with sampling staff instructing them to be sure the ground is solid before going off road. Mr. Malsberger stated that Travis AFB will place additional boulders along the roadside.

- Lysimeter monitoring – “0.09 inches of water was recorded for the rain gauge in the lysimeter tank. This could be residual water coming from the test performed or pipe condensation.” What do these data tell us about water getting into the landfill? Mr. Malsberger stated that 0.09 inch is low when compared to the 1.00 inch goal and that Travis AFB was not too concerned about it because it appears that the rain had not saturated to the point of collection.

Mr. Rixen stated that he took the next quarter’s readings on the lysimeter equipment and there is more water going into the sump. Mr. Rixen will discuss this with Mr. Malsberger. The results will be presented on 28 April 2004.

Ms. Raker commented that it would be helpful to have recommended actions incorporated in the report. Overall, the report was good and very user-friendly. Mr. Malsberger stated that the recommended actions will be included in future reports.

Mr. Salcedo stated that the report was good and he had no comments.

E. LF008 Soil Remedial Action Report Review

Mr. Anderson stated that comments on the LF008 Soil Remedial Action Report were received from U.S. EPA and were responded to by the Air Force. Mr. Lucey stated that he has no further comments.

F. Draft RW013 Closeout Report

Mr. Anderson stated that the Air Force submitted the draft RW013 Closeout Report to U.S. EPA along with a courtesy copy to Mr. Salcedo.

Mr. Lucey stated that everyone reviewed the report and there were no comments. Mr. Lucey stated that he will email his minor comments (a change of signature and a request to add a sentence to the last paragraph clarifying that once all the sites in the operable unit are cleaned, the Air Force will begin the delisting process).

Mr. Salcedo stated that DTSC’s legal staff has reviewed the report. He will submit his comments next week.

Note: The cleaned RW013 property has been sited for future construction.

G. Storm Water Pollution Prevention

The Storm Water Pollution Prevention Plans discussion was deferred to the May 2004 meeting.

H. Restoration Advisory Board Update

Mr. Anderson stated that the *Guardian* was sent out for publication. The RAB meeting will be held on 22 April 2004 at the Northern Solano County Association of Realtors office in Fairfield.

Ms. Raker, Mr. Salcedo, and Mr. Lucey have volunteered to write articles on the federal and state agencies' viewpoints of the RAB for the October 2004 and January 2005 newsletters.

Ms. Raker commented that she attended the middle school presentation and was very impressed; URS did a fantastic job putting together the work stations.

4. PROGRAM ISSUES UPDATE

A. Project Funding and Prioritizing

1. Funding

Mr. Anderson stated that AFCEE is placing funds on contract for fiscal year 2004. DP039 optimization project is on top of the list. The contracting should be completed by the middle of May 2004.

2. Other

Mr. Salcedo asked about the status of Travis-Q. Mr. Mike Wray stated that it is now obsolete. Mr. Wilford Day stated that Travis-Q will not be updated since Travis AFB under our headquarters guidance is developing an online website that will contain more information than Travis-Q and will be more accessible and easier to use.

B. Field Activity Reports

Mr. Anderson distributed the field activity reports from URS (see Attachment 7).

ACTION ITEM LIST

(Action Items Closed)

ITEM #	RESPONSIBLE	ACTION ITEM	DUE DATE	STATUS
1.	Air Force	To provide evaluation of the FT004 monitoring well (MW131x04) to be converted to an extraction well	12 March 2004	Mr. Matin stated that an email was sent to the agencies regarding the conversion. Completed. Item Closed.
2.	Agencies	To provide comments on proposed locations for SS015 monitoring wells.	10 March 2004	Completed. Item Closed.
3.	Air Force	Provide rationale for the proposed locations to re-sample at Union Creek	25 February 2004	Mr. Malsberger stated that the agencies comments were received and responded to. Completed. Item Closed
4.	Agencies	To have risk assessors review proposed locations to resample at Union Creek	10 March 2004	Completed. Item Closed.
5.	Air Force	To develop a tentative schedule for the draft NEWIOU Soil ROD.	24 March 2004	Completed. Item Closed

ACTION ITEM LIST

(Action Items Closed)

ITEM #	RESPONSIBLE	ACTION ITEM	DUE DATE	STATUS
6.	Air Force	<p>To email the Summary of Tier 1 and Tier 2 Toxicity Quotients at FT005 and Recommended Action (Attachment 2) and if necessary, set up a teleconference with Heather in order that the agencies can review and make comments.</p> <p>Explain this is part of the process to get to the next step, which is a graphic color-coded document.</p>	24 March 2004	A schedule has been established. Completed. Item Closed.

ACTION ITEM LIST

(Action Items Open)

ITEM #	RESPONSIBLE	ACTION ITEM	DUE DATE	STATUS
1.	Air Force	To develop a presentation on the CAMU to the Water Board's landfill regulators.	23 June 2004	Pending. To be presented by Mr. Malsberger along with CH2M Hill and Shaw representatives. Tentative date is 23 June 2004.
2.	Air Force	Develop the NFRAP document for SS041.	July 2004	Ongoing.
3.	Air Force	To provide a presentation on the Storm Water Pollution Prevention Plan.	12 May 2004	Mr. Anderson stated that the SWPPP presentation has been rescheduled for the May 2004 RPM meeting. Ongoing
4.	URS	To provide the Air Force with photos of the work stations from the middle school demonstration.	22 April 2004	Completed. Item Closed.
5.	DTSC	To provide the Air Force with the new DTSC TPH policy.	28 April 2004	New Item.