

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

12 May 2004, 0930 Hours

Mr. Mark Smith, Travis Air Force Base (AFB), conducted the Remedial Program Managers (RPM) meeting held on 12 May 2004 at 0930 in the Base Civil Engineering Conference Room, Building 570, Travis AFB, California. Attendees included:

- Mark Smith Travis AFB
- Glenn Anderson Travis AFB
- Dale Malsberger Travis AFB
- Tom Sreenivasan Travis AFB
- Wilford Day Travis AFB
- Chris Krettecoc Travis AFB
- Bob Holmes Travis AFB
- 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)
- 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 ROD Schedule
- Attachment 4 SBBGWTP Monthly Data Sheet (April 2004)
- Attachment 5 CGWTP Monthly Data Sheet (April 2004)
- Attachment 6 NGWTP Monthly Data Sheet (April 2004)
- Attachment 7 URS Field Activities, Travis AFB (April 2004)

1. ADMINISTRATIVE

A. Previous Meeting Minutes

The meeting minutes from the April 2004 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).

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 4, the *Guardian* Newsletter schedule was updated.
- Page 6, Corrective Action Management Unit (CAMU) Phase 2 Project Summary and the South Base Boundary Groundwater Treatment Plant (SBBGWTP) Operation and Maintenance (O&M) Manual Revision 3 were moved to the Historical Document Section.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. Field Sampling Plan for Union Creek

Mr. Malsberger stated that the electronic draft Field Sampling Plan (FSP) for Union Creek was submitted on 7 May 2004. Comments on the FSP are required by 31 May 2004.

b. Union Creek Sampling

Mr. Malsberger stated that the Union Creek sampling will take place 2 and 3 June 2004.

2. Human Health Technical Memorandum

Mr. Malsberger stated that the Human Health Technical Memorandum was issued to the agencies on 12 May 2004. Mr. Malsberger asked if there were any comments.

Mr. Lucey stated that Mr. Dan Stralka had a comment on the analytes report. Mr. Lucey asked if the final version will have the data presented. Mr. Malsberger stated yes.

Mr. Malsberger stated that many sites required no further actions. The Air Force will add data to Table 1-1 of the Human Health Technical Memorandum for clarification on land use controls and no further actions as a footnote.

Ms. Raker stated that the Air Force only has three sites in the NEWIOU that need a land use control. Fire Training Area 4 should have a land use control although it does not exceed human health risk criteria at the residential level. Mr. Salcedo stated that it does exceed the residential level. Some sites had hits above the industrial preliminary remediation goals (PRGs); no further action was proposed with land use controls. In other cases, no further action was proposed because all sample results were below the concentration for industrial/construction workers. Data have not been presented for residential.

Mr. Malsberger stated that a rationale will be presented if a land use control is required with a no further action site.

Ms. Allen stated that it is not necessary to show whether a site exceeds residential PRGs as long as the remedy for the site will be a land use control prohibiting residential use.

Ms. Raker requested that Table 1-1 be revised. Mr. Malsberger stated that the revised Table 1-1 will show that sites that are not excavated will either have land use controls or no further action with a rationale. The agencies will comment on whether they agree with the rationale.

3. Early Remedial Designs for FT005 and FT003

Mr. Malsberger stated that the risk management decision package for FT003 was sent to the agencies.

The Air Force went through the process of developing an ecological risk assessment, ecological risk management decision, and then combined this information with a human health risk management decision to come up with a remedial design. This process will be used at all sites.

Ms. Raker stated once the Ecological Technical Memorandum is completed, this information will be considered in the design. She asked what the Air Force wants to accomplish with these risk management decision packages. Mr. Malsberger stated that the Air Force wants the agencies to agree to the approach.

Ms. Raker stated that since the purpose of this package is to provide information needed to reach agreement on soil remedial actions and

cleanup actions, it would be reasonable to revise this document and include the ecological risk assessment, ecological risk decision, human risk assessment, and human risk decision in the package.

Mr. Malsberger stated that he is attempting to get agreement with the agencies on the ecological and human health cleanup levels. Once this is accomplished, the Air Force will begin the design package.

Mr. Malsberger stated that the Air Force is trying to make good use of expiring funds by expediting the remedial design packages.

Mr. Lucey suggested that this document be submitted informally as a preview of the draft final of the Ecological Technical Memorandum to get the ecological risk assessors to sign off.

Ms. Raker suggested calling this document a preliminary risk assessment for FT003 to simplify the process, with a caveat that this is what the Ecological Technical Memorandum will include.

Mr. Malsberger will submit the FT005 Ecological Risk Management Decision Package to the agencies for review. The agencies will review and submit comments as soon as possible.

4. Overall Schedule

An updated schedule for the NEWIOU ROD was distributed (see Attachment 3) reflecting minor schedule changes and recommendations made at the last RPM meeting.

5. Applicable or Relevant and Appropriate Requirements

Mr. Malsberger stated that Ms. Raker has delivered the language and recommended text for the table. The language will be changed to state that the Air Force is in agreement with U.S. EPA.

The agencies are in agreement with the ARARs as presented.

3. CURRENT PROJECTS

A. South Base Boundary Groundwater Treatment Plant

Mr. Sreenivasan reported that the SBBGWTP performed at 100% uptime with approximately 7.2 million gallons of groundwater extracted and treated during the month of April 2004. The average flow for the SBBGWTP was 150 gallons per minute (gpm). Approximately 3.3 pounds of volatile organic compounds (VOCs) were removed during April 2004. The total mass of VOCs removed since startup of the system is approximately 248 pounds (see Attachment 4).

The plant experienced no shutdowns during the month of April. No optimization activities were planned or performed at SBBGWTP during April 2004.

The quarterly report for the first quarter of 2004 was issued on 29 April 2004 as scheduled.

B. Central Groundwater Treatment Plant

Mr. Sreenivasan reported that the Central Groundwater Treatment Plant (CGWTP) performed at 100% uptime with approximately 3.7 million gallons of groundwater extracted and treated during the month of April 2004. The average flow for the CGWTP was 84.3 gpm. Approximately 617 pounds of VOCs (of which 587 pounds were from vapor) were removed during April 2004. The total mass of VOCs removed since startup of the system is 4,743 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 are scheduled to be collected on June 2004.

The West Treatment and Transfer Plant (WTTP) vacuum blowers remained off line during the rebound study. Rebound samples will be collected and analyzed in approximately September 2004.

Extraction well EW700x37 was restarted on 29 April 2004 due to increasing trichloroethene (TCE) concentrations in recent groundwater samples.

The irrigation system was restarted April 2004. Approximately 435,000 gallons of the 3.64 million gallons of the treated water from CGWTP was used for irrigation this month. The remainder was discharged to the storm drain.

No optimization activities were planned or performed at CGWTP during April.

The quarterly report for the first quarter of 2004 was issued on 29 April 2004 as scheduled.

C. North Groundwater Treatment Plant

Mr. Sreenivasan reported that the North Groundwater Treatment Plant (NGWTP) performed at 99% uptime with approximately 1 million gallons of groundwater extracted and treated during the month of April 2004. The average flow for the NGWTP was 22.6 gpm. One pound of VOC mass from groundwater was removed through extraction during April 2004. The total mass of VOCs removed since startup of the system is 5,275 pounds (see Attachment 6).

The NGWTP experienced one shutdown during the month of April 2004. This was caused by a break in the mechanical seal at the plant eductor pump.

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

D. CAMU

1. CAMU Presentation at the Water Board

The Air Force will give a presentation to the Water Board in Oakland, California, on 23 June 2004 at 1:00 p.m. The presentation should last approximately ½ hour.

2. CAMU Wetland Mitigation Performance Criteria

Mr. Malsberger stated that Mr. Phil Quarterman has completed his field work and will issue the report June/July 2004 describing the condition of the pools along with recommendations for any necessary actions.

URS will conduct a hydrology study during the next wet season.

3. Quarterly Inspection and Monitoring Report

Mr. Malsberger stated that the Second Quarter CAMU Inspection and Monitoring Report will be submitted to the agencies next week.

Ms. Raker asked if the Air Force is aware if the cap is performing better as time goes on. Mr. Malsberger stated that there is lot of plant growth including the desirable deep-rooted plants. There is very little infiltration coming through the cap (less than one-tenth of an inch) from December 2003 through March 2004.

E. Draft RW013 Closeout Report

Mr. Anderson stated that changes requested by the agencies were completed. This document will be signed and submitted to the agencies and the Air Force vice-Wing Commander.

The next closeout site will be ST032.

Mr. Salcedo asked how long it will take to get the signatures. Mr. Anderson stated that it should be signed by the next RPM meeting, 9 June 2004.

F. Storm Water Pollution Prevention

Mr. Chris Krettecoc gave a presentation on Travis AFB's Storm Water Pollution Prevention Plan (SWPPP). The SWPPP is not a vehicle for cleanup. The SWPPP is used to identify potential sources of contaminants, measure those sources, consider methods to reduce or eliminate contaminants to Union Creek, and to educate people on best management practices and implement those practices in order to minimize discharges to Union Creek.

Travis AFB currently samples 16 locations. Sampling requirements for storm water reporting purposes are that Travis AFB capture the first hour of runoff

during two storm events during the wet season (the first storm event of the wet season is required and then one other).

In order to protect the base, two locations are sampled where stormwater comes onto the base.

The following are outfalls to the creek that are monitored:

- Outfall 1, Union Creek.
- Outfall 2, collects runoff from the residential areas, hospital, hazardous materials storage, road runoff, paint farms, aircraft parts manufacturing, general parking, and forklift maintenance.
- Outfall 3, aircraft parking, aerospace ground equipment, and tank farms aboveground storage tanks.
- Outfall 4, aircraft parking and tank farm.
- Outfall 5, small area – aircraft landing and takeoff; hazardous material storage.
- Outfall 6, predominately storage area and seldom has flow.

Mr. Krettecos explained that the tank farms are sampled twice a year and have secondary containment, which have valves that are secured closed at all times. During rain events, the secondary containments are monitored for sheen, discoloration, and odor. If none of these characteristics exist, the containment areas are drained to the storm water discharge. The drainage date drained and the name of the person draining the containment areas are recorded. If such characteristics are present, the water may be drained to the sanitary sewer through oil water separators (with Fairfield-Suisun Sewer District's approval) or removed and disposed off base.

As required in the annual report, during the rainy season Travis AFB conducts monthly visual observations during the first hour of runoff. Quarterly, Travis AFB looks for non-authorized stormwater discharges with the purpose of permitting or eliminating the discharges.

Travis AFB is planning to install auto-samplers in order to simplify sampling during the first hour of the each stormwater event.

Ms. Raker asked what SWPPP samples are analyzed for. Mr. Krettecos stated that the SWPPP samples are analyzed for pH, total suspended solids (TSS), oil and grease, total organic carbons (TOCs), metals, specific conductance, total petroleum hydrocarbons (TPH), diesel range organics (DRO) and volatile organic compounds (VOCs) depending on the sampling location and potential contaminants of concern from associated drainage basin. Mr. Krettecos also

stated that potential contaminants of concern are being reevaluated at the various outfalls and constituents sampled may change.

Currently, there are no established effluent limits for stormwater runoff; however, there are basin plan objectives that the Water Board would like to have set as goals. Ms. Raker commented that the Water Board reviews the data in the annual report. If the data are above a certain qualitative objective, they are flagged for correction. This is because the stormwater program is inundated with data, but does not have enough funding to review the data.

Ms. Raker asked what happens when there is stormwater runoff from the landfill; is it only known at Outfall 4 and would it just become part of the post-construction monitoring. Mr. Krettecoc stated yes.

Concentrations of contaminants detected at each outfall during the 2002/2003 storm water sampling will be made available to the agencies.

G. Enhancement of Travis AFB Riparian Area

Mr. Bob Holmes gave an update on Travis AFB's plan for portions of Union Creek along the flightline. Travis AFB has been funded to develop plans to look at potential projects along Union Creek to improve its habitat quality.

The major constraints will be to not increase flight safety issues by entreating migratory birds. The duration of this project will be approximately seven years. It is anticipated that by December 2004, approximately 15 to 30 projects will be planned.

California Fish and Game, U.S. Fish and Wildlife, and the U.S. Army Corps of Engineers are the agencies that will be involved with the work effort.

Ms. Raker asked what will be done with the concrete located near the western end of Union Creek. Mr. Holmes stated that the concrete will not be removed; it was placed as a flood control.

Ms. Raker asked if the plans will include invasive species. Mr. Holmes stated that the invasive species will be addressed in a separate plan.

Mr. Smith asked how the Operations Flight deals with the weeds and shrubs in Union Creek. Mr. Holmes stated that periodically since the mid-1980s, scraping of Union Creek (brush removal) was done to maintain the stream flow. The last brush removal took place approximately three years ago.

Mr. Holmes commented that Union Creek currently follows a manmade course. None of Union Creek's present course is in its historic track. The western branch of Union Creek was created as a flood control measure for Travis AFB.

4. PROGRAM ISSUES UPDATE

A. Project Funding and Prioritizing

1. Funding

Mr. Smith stated that the Air Force is still waiting for the award of the contract for Restoration Advisory Board (RAB) support and community relations support. All other contracts have been awarded.

The RAB tour is 9 June 2004. One stop will be the vernal pools at Castle Terrace.

2. Other

Mr. Matin gave a slide presentation on collecting sediment samples from Union Creek. Samples of the sediment were passed around for observation. It was recommended to sample the top two layers.

It was agreed to get the depth profile and sample the material to determine if the sediment contains contamination.

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 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. Completed. Item Closed.
2.	URS	To provide the Air Force with photos of the work stations from the middle school demonstration.	22 April 2004	Completed. Item Closed.
3.	DTSC	To provide the Air Force with the new DTSC's TPH policy.	28 April 2004	Completed. Item Closed.

ACTION ITEM LIST

(Action Items Open)

ITEM #	RESPONSIBLE	ACTION ITEM	DUE DATE	STATUS
1.	Air Force	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 has been changed to 23 June 2004.
2.	Air Force	Develop the NFRAP document for SS041.	July 2004	Ongoing.
3.	Air Force	Issue the revised risk management design package for FT003 and FT005	13 May 2004	New Item.