

**Meeting Minutes
Travis Air Force Base
Installation Restoration Program
Restoration Advisory Board Meeting
22 January 2004**

Restoration Advisory Board (RAB) members present:

NAME	AFFILIATION	PRESENT
Col. Michael L. Sevier	Travis Air Force Base, RAB Co-chair	✓
Jim N. Whalen	Mayor Augustine's Office in Vacaville, RAB Community Co-chair	✓
Richard Curtis	Northern Solano Association of Realtors	✓
John Foster	City of Fairfield	✓
David F. Kanouff	National Association of Retired Federal Employees	✓
John Lucey	U.S. Environmental Protection Agency	✓
David Marianno	Suisun City Resident	✓
Eamon Moriarty	Goodrich Corporation	✓
Cyrus Morad	Fairfield Resident	
Sarah Raker	San Francisco Bay Regional Water Quality Control Board	✓
Mike Reagan	Travis Regional Armed Forces Committee	✓
Rev. David Root	Crosswinds Church	
John Rundlett	Suisun City Council	
Jose Salcedo	California Department of Toxic Substance Control	✓
William W. Taylor	Travis Unified School District	✓
Ron Tolentino	Solano Garbage Company	
Phil Velez	Travis Regional Armed Forces Committee	

Public members present:

- Christian Cruz
- Stephanie Cruz

Agencies and contractors present:

- | | |
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| <ul style="list-style-type: none"> • Mark Smith • Troy Martinson • Glenn Anderson • Wilford Day • Dale Malsberger • Tom Sreenivasan | <ul style="list-style-type: none"> Travis AFB Travis AFB Travis AFB Travis AFB Travis AFB Travis AFB |
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- Steve Stopher Travis AFB
- Col. Patrick Smith Travis AFB
- Gregory Parrott Travis AFB
- Linda Weese Travis AFB
- Roby Gregg AFCEE
- Elizabeth Allen TechLaw
- Mike Wray CH2M Hill
- Deborah Hirsch URS
- Monique Meyer Earth Tech
- Anne Ogrey Goodrich Universal Propulsion Co.

WELCOME, INTRODUCTIONS, AND ANNOUNCEMENTS

Mr. Mark Smith welcomed the attendees. Mr. Smith introduced Mr. Gregory Parrott, Travis AFB Attorney, and Ms. Deborah Hirsch, URS, who replaced Ms. Traci Bjers. Mr. Smith announced that Ms. Kristine Escarda, who was not in attendance, will be the new Public Participation Specialist representing the California Department of Toxic Substances Control (DTSC).

APPROVAL OF MINUTES

The October 2003 meeting minutes were approved with minor corrections noted.

ADDITIONAL AGENDA ITEMS, COMMENTS, AND QUESTIONS

Mr. John Foster asked that a tour of the Environmental Restoration Program (ERP) sites be placed on the agenda. Mr. Smith stated that the Community Relations Focus Group will meet to plan for middle school presentations and other outreach activities.

DISCUSSION TOPICS

NEWIOU Soil ROD Status

Mr. Malsberger gave an update on the North, East, West Industrial Operable Unit (NEWIOU) Soil Record of Decision (ROD).

Groundwater Protection Technical Memorandum – The Groundwater Protection Technical Memorandum was finalized in December 2003. The Air Force issued the final Groundwater Protection Technical Memorandum in January 2004. The conclusion was that no soil actions were necessary to protect the groundwater.

Ecological Protection Technical Memorandum – The Air Force issued the draft Ecological Protection Technical Memorandum on 15 September 2003 and met with the agencies on 14 January 2004 to discuss comments on the document. The Air Force is required to sample the sediment and surface water in Union Creek to update the data used in the ecological risk assessment.

Draft ROD – The Air Force has incorporated all preliminary comments and agreements. The technical memoranda allow us to reach consensus on actions and cleanup levels that will be documented in the ROD. Because of the time it has taken to resolve issues on the Ecological Protection Technical Memorandum, the draft ROD will be submitted on 3 December 2004.

Mr. David Marianno asked if there is a warning system in Union Creek to notify of spills. Mr. Smith stated that there are spill kits that have been set at every outfall along Union Creek; however, there are no warning devices for the creek.

Col. Sevier asked if there is a technology that can be used as a warning system for Union Creek. Mr. Richard Curtis stated that he is not aware of such technology, but he believes the technology is available. Col. Sevier stated that perhaps the Air Force should poll the industry to determine if such technology exists.

Mr. Smith noted that policies and procedures are in place for spills that may occur in Union Creek.

Col. Patrick Smith stated that the Compliance Program will determine if there is a way to install an audible alarm. He also commented that the Air Force has invested \$15 million to build new storage tanks that are lined with concrete to capture 110% of any tank storage capacity, which would ensure capture.

RAB Bylaws

Mr. Smith discussed the RAB bylaws and current RAB charter.

The bylaws normally include provisions such as the number and election of board members and the various officers, and the duties and obligations of board members. The bylaws are based on RAB Implementation Guidelines issued by the U.S. Department of Defense and the U.S. Environmental Protection Agency in September 1994.

According to the current Travis AFB RAB Charter, the RAB meeting must be open to the public; members serve as liaisons to the community; and members must agree to a two-year term, to review and comment on technical documents, and to meet quarterly.

Mr. Smith recommended that the RAB continue with the current charter. This was unanimously agreed to. It was also unanimously agreed that Mr. Jim Whalen would continue as the community co-chair. Modification of the charter would be done by a board vote.

Mr. John Foster stated that the bylaws and charter are open to interpretation which should not be changed.

CLEANUP PROGRAM STATUS REPORTS

Corrective Action Management Unit (CAMU) – Phase 2

Mr. Dale Malsberger stated that the CAMU Phase 2 is complete. Mr. Malsberger reviewed the work completed in CAMU Phase 2.

Mr. Malsberger explained that a CAMU is a cleanup alternative that is allowed by environmental regulations. It accelerates cleanup and encourages on-site management of waste. Travis AFB's CAMU is for the consolidation and permanent control of the contaminated soil from Travis AFB's ERP sites. The CAMU is not treated as a disposal facility and it must be safe, reliable, and permanent.

CAMU Phase 1 prepared the foundation for the CAMU in 2002. Phase 2 consolidated soil from the four soil cleanup actions in summer 2003. Phase 3 will consolidate soil from the remaining 18 soil sites in 2006. Phase 4 may not be necessary.

Some of the benefits of on-base consolidation include the protection of human health and the environment, and cost savings associated with retaining the contaminated soil on base (transportation fees, disposal fees, paperwork, and transportation costs). Funds saved by this action can be applied to other cleanup projects.

The Air Force and regulatory agencies were able to agree on the contaminant concentrations to allow into the CAMU. These concentrations were based on the protection of groundwater. The regulatory agencies also had input on the CAMU design and on special design features such as an interceptor trench, lysimeter, and gypsum blocks. Additionally, the RAB recommended that the soil be placed as distinct cells within the CAMU to facilitate recordkeeping.

Photographs of CAMU Phases 1 and 2 work were shown.

The Air Force will return approximately \$1 million of savings from 2003 soil and CAMU projects to Air Mobility Command (AMC). Travis AFB will continue to monitor the cap's performance and prepare for Phase 3 in 2006.

Mr. Smith explained that the funds saved are returned to AMC and become available for prior year funds. Mr. William Taylor commented that this was good money management and AMC should recognize it.

Mr. Mike Reagan asked if there are recurring CAMU maintenance requirements for the vegetation. Mr. Malsberger stated that Travis AFB has budgeted each year for monitoring and maintaining the CAMU. Funds have also been set aside to repair the cap when needed.

Mr. Marianno commended the Air Force on the building of the CAMU.

Mr. Reagan suggested that the \$1 million savings is good news and should be released to the media.

Mr. Taylor motioned that AMC consider returning a portion of the funds to Travis AFB for use at other sites.

Mr. Foster seconded the motion and commented that the savings incurred due to the cooperative effort between the agencies, the Air Force, and RAB should be recognized as a validation of the cooperation and should be recognized by the AMC. So moved.

Col. Smith stated that AMC does recognize that Travis AFB cleanup actions are innovative. Although there is not a monetary benefit, there is a goodwill benefit. Travis AFB's restoration program is considered one of the best in the Command and the Air Force, according to AMC, because it remains on track and meets all goals.

Mr. Smith announced that it appears that the DP039 optimization project will be funded and he thanked the agencies for their support.

Mr. John Lucey suggested that the Air Force should keep the lysimeter operating as long as possible.

Mr. Lucey asked if the Air Force has detected any infiltration from the last storms.

Mr. Malsberger answered in the affirmative and noted that a report will be developed. It will take some time for steady-state to be achieved.

LF007 Off-Base Groundwater Remedial Action

Mr. Malsberger gave a presentation on the LF007 off-base groundwater remedial action.

LF007 Area C's trichloroethene (TCE) plume in groundwater has migrated across the north base boundary. The Air Force installed two on-base extraction wells and four monitoring wells in 2002. Two additional monitoring wells were installed off base in 2003. In summer 2004, the Air Force will install solar-powered extraction pumps and a pipe to the North Groundwater Treatment Plant.

The two off-base monitoring wells were permitted once the easement was acquired. Also, an agreement was reached with the U.S. Fish and Wildlife Service concerning vernal pools. The agreement was that the wells would be constructed only when the vernal pools are dry and planking would be used under the construction vehicles.

The results from the 2003 sampling event show that the plume has not moved significantly since 1994. The Air Force will complete the on-base system and start pumping. Samples from the six monitoring wells will be collected to evaluate the performance of the extraction system and determine when cleanup is complete.

FT005 Off-Base Migration Control

Mr. Sreenivasan gave an update on the FT005 off-base migration control.

FT005 is located on the south base boundary and extends off base. FT005 is the site of a former fire training area with soil and groundwater contamination. The major contaminant is 1,2 dichloroethane. The contamination extends 3,600 feet beyond the base boundary.

The interim remedial action is to have a total system design that includes a groundwater extraction and conveyance component. This necessitates modifications to the existing South Base Boundary Groundwater Treatment Plant (SBBGWTP). This interim remedial action will be implemented in three phases:

- Phase 1: Three extraction wells were installed in 1998 to stop the flow of the contaminated groundwater to off-base locations. The groundwater is pumped to the SBBGWTP.
- Phase 2: Three additional on-base extraction wells were installed in 2000 to prevent the western edge of the on-base plume from migrating off base.
- Phase 3: Nine new extraction wells and 17 monitoring wells were installed on privately owned off-base property to clean up the portion of the FT005 plume that extends beyond the base boundary.

The treatment plant has undergone modifications to accommodate the additional volume of contaminated groundwater from the new extraction wells. SBBGWTP is operating at full capacity.

Monitoring wells were installed to collect groundwater samples to confirm that pumping the extraction wells hydraulically contains groundwater contamination. The monitoring wells are also used to collect water level measurements to monitor the movement of the plume.

Mr. Smith commented that FT005 is a major milestone for the Air Force.

REGULATORY AGENCY REPORT

Mr. Jose Salcedo stated that the DTSC will send a letter requesting validation for DP039 optimization. Mr. Smith stated that it was submitted for validation today.

FOCUS GROUP REPORTS

Mr. Smith requested that the Community Relations Focus Group meet and plan for presentations at a local middle school.

Comments from the Technical Review Focus Group on SD042 were incorporated into the document.

RAB/PUBLIC QUESTIONS

Mr. Whalen requested an organization chart of the Travis AFB Environmental Division, the regulatory agencies, the RAB, and their functions.

Mr. Whalen announced that Mr. Reagan is chairman of the Budget Focus Group. Mr. John Foster is the alternate for the Community Relations Focus Group.

Copies of the 2004 Travis AFB Environmental Cleanup RAB Notebook were distributed to all RAB members. This notebook includes a map of Travis AFB's current ERP sites.

Mr. Malsberger reported that salmon were observed again in Union Creek. One fish was seen; however, it was eaten by an otter. Pictures were taken and sent to the Marine Fisheries. It is not known if the fish was native or from the hatchery.

Mr. Marianno asked if a coyote has been observed. Mr. Steve Stopher replied that he has seen one.

Col. Sevier stated that Travis AFB recently invited experts to review the restoration process to determine if Travis AFB is on task. The inspectors were highly impressed with Travis AFB's advancements and accomplishments.

NEXT MEETING

The next RAB meeting will be held at the Northern Solano County Association of Realtors Office, Fairfield, California, on 22 April 2004.

TOPICS FOR THE NEXT MEETING

- Old Nike Site