Moffett Federal Airfield
Superfund Site
Southwest Division Naval Facilities Engineering Command
Mountain View, California

N00296.000236
MOFFETT FIELD
SSIC NO. 5090.3

RESTORATION ADVISORY BOARD MEETING AGENDA

Date/Time:	Thursday, May 10, 2001, 7:00 to 9:00 p.m.
Location:	Mountain View Police Department 1000 Villa Street Auditorium
7:00 to 7:15	WELCOME AND INTRODUCTIONS REVIEW AGENDA PRIOR MINUTES APPROVAL (February 15, 2001) CIRCULATE DOCUMENT SIGN-UP SHEETS
7:15 to 7:30	REGULATORY UPDATE
7:30 to 7:45	SITE 22 – LANDFILL (GOLF COURSE) PROPOSED PLAN - UPDATE
7:45 to 8:00	SITE 25 – EASTERN DIKED MARSH AND STORM WATER RETENTION POND SITE 27 – NORTHERN CHANNEL
8:00 to 8:10	**BREAK**
8:10 to 8:45	MOFFETT COMMUNITY HOUSING (Orion Park)
8:45 to 8:50	UPDATE – SITE 1 AND 2 LANDFILLS
8:50 to 8:55	SUBCOMMITTEE REPORTS
8:55 to 9:00	NEXT RAB POTENTIAL AGENDAS FOR FUTURE RAB
9:00	ADJOURN

Note: This quarter's Technical, Historical, and Educational (THE) subcommittee will be held on May 9, 2001, at 5:00 p.m. in Room 2 of the Mountain View Community Center.

MOFFETT FEDERAL AIRFIELD
RESTORATION ADVISORY BOARD
MOUNTAIN VIEW RECREATION CENTER
MOUNTAIN VIEW, CALIFORNIA 94041

Subject: RAB MEETING MINUTES

The Moffett Federal Airfield Restoration Advisory Board (RAB) meeting was held on Thursday, **February 15, 2001**, at the Mountain View Recreation Center, Room 3.

WELCOME AND INTRODUCTIONS

Ms. Andrea Muckerman, Base Realignment and Closure (BRAC) Environmental Coordinator (BEC) and Navy RAB Co-chair opened the meeting at 7:12 p.m. She introduced Mr. Bob Moss, the newly elected RAB Community Co-chair. She welcomed the attendees and asked for introductions of all present. The Moffett Field RAB meeting was attended by:

RAB Members	Regulators & City Reps	Navy	Contractors / Navy Support	NASA	Public Members
4	6	5	5	1	3

Attendees were asked to review the evening's agenda and decide whether any issues should be added. There were no additions. Ms. Muckerman solicited comments on the minutes from the August 29 and November 30, 2000 RAB meetings.

Approval of Minutes: The August 29, 2000 (distributed at the November 30, 2000 RAB meeting) and the November 30, 2000 minutes (distributed to RAB members via mail) were approved as written.

Future Meeting Schedule: This topic was discussed at the end of the meeting (see below).

Documents for Review: The Navy RAB Co-chair passed out the Document Submittal List that names each site, upcoming environmental activities, and any documents pertaining to each. Document sign-up sheets for the following documents were also routed among the attendees.

- Final Response to Comments – Site 25
- Draft Interim Remedial Action Report – Operable Unit (OU) 1
- No Further Action Sites, Draft Final Response to Comments to the Addendum to Revised Final Stationwide Feasibility Study
- Sites 1 and 2 Post-Closure Monitoring Report, 4th Quarter
- Draft Annual Groundwater Monitoring Report
- Site 22 Draft Proposed Plan
- Site 25 Draft Proposed Plan

- Site 27 Northern Channel Draft Feasibility Study

The documents should be available to the public between February 15, 2001 and the next RAB meeting, possibly thereafter.

Document Mailing: RAB members were asked to comment on the most recent document mailing. One RAB member said that the document sign-up sheets were fine; however, he felt that an agency comment letter should have come before receiving the report. Also, that receiving documents one week prior to the RAB meeting was not sufficient time to review a report and present comments. Another RAB member preferred a single mailing of reports rather than numerous mailings. The Navy RAB Co-chair explained that the document sign-up sheet is used as a management tool to control the voluminous amounts of documents generated. She thanked the RAB for their input and added that when possible, the Navy would attempt to consolidate mailings.

Document Availability: Ms. Muckerman said that all documents distributed to the RAB members are also made available at the information repository located at the Mountain View Public Library. She said that the repository will be updated monthly and that the Navy is currently conducting an audit. Ms. Muckerman said that she should be contacted if a document is missing from the location.

Commenting on Documents: Ms. Muckerman asked the RAB how comments on documents should be handled to accommodate the Federal Facilities Agreement schedule. One RAB member explained how the process has been handled thus far. Individuals must submit comments within the period of time as agreed upon by the RAB. The co-chairs concurred with this concept and decided to provide a cover letter naming the comment period with each document mailing. Other avenues for submitting formal comments include RAB meetings, Technical, Historical, and Educational (THE) subcommittee meetings, and by calling, e-mailing, or faxing comments to either Ms. Muckerman or Mr. Moss.

OVERVIEW - SITE STATUS UPDATE

Ms. Muckerman went over the status of each site. This overview is presented below.

Site 22, the Golf Course Landfill: Ms. Muckerman introduced Mr. Wilson Doctor, the Remedial Project Manager for Site 22, who explained that the Proposed Plan for Site 22 (in fact sheet format) is currently under regulatory review. He noted that this includes review by the National Aeronautical Space Administration (NASA) and the California Regional Water Quality Control Board. The public comment period for the Proposed Plan is April 2 to May 9, 2001. Ms. Muckerman announced that a public meeting was scheduled for Thursday, April 16, 2001, from 7 to 9 p.m. Due to holidays and other conflicts, it was decided to change the public meeting date to **April 26, 2001**. The public comment period will remain as planned. RAB members suggested publishing public notices in the following newspapers:

- Palo Alto *Daily News*
- Sunnyvale *Sun*
- Mountain View *Voice*
- San Jose *Mercury News*
- Sunnyvale *Quarterly*
- Mountain View *View*

One RAB member suggested using a picture of the community co-chair in the public notice to entice more community members to the meeting. Ms. Muckerman completed the Site 22 overview of by announcing that the Site 22 Record of Decision is expected to be released in September 2001.

Site 25, Eastern Diked Marsh & Stormwater Retention Pond: Site 25 was deferred because it was a specific topic on the agenda. Ms. Angela Patterson, Remedial Project Manager for Site 25, said that she would provide an overview of the site's current activities.

Operable Unit (OU) 1, Landfill Sites 1 and 2: Landfill 2 was excavated and consolidated into Landfill 1, and then capped. Presently, the Navy is in the operation & maintenance (O&M) and monitoring phase. Post-closure monitoring reports are being generated and local regulatory agencies are providing quarterly inspections of the site for drainage control, etc. Documents are being published routinely as part of the OU 1 O&M. An Interim Remedial Action Report describing the remedial action that has taken place at OU 1 will be issued in the spring of 2001. Post-closure monitoring reports for the third and fourth quarter sampling events will also be available.

Site 27, Northern Channel: Impacted surface water may be flowing through the channel and entering the Guadalupe Slough, Moffett Channel and the Bay. The map, ecological risk assessments, post-cleanup levels and alternatives for cleaning up the site are being developed in the draft feasibility study due March 15, 2001. A presentation for the feasibility study will be prepared and presented to the RAB.

Stanford Study: Stanford has been given a research grant and will be conducting a pilot study at Moffett Field. The study will evaluate a new remedial technology similar to natural attenuation. The Navy and regulators reviewed and have approved the workplan for the Stanford project. Fieldwork is planned for summer 2001.

Orion Park: Initially, this site was part of an abbreviated sampling effort that included taking groundwater samples along the site boundaries. However, the Navy intends to perform a full Phase I Site Investigation to evaluate the type of release that has occurred and to identify its source. The Navy will develop a workplan for the additional sampling and site characterization (as opposed to a traditional Phase I report). A schedule for the upcoming work will be provided at the next RAB meeting. Ms. Muckerman indicated that Orion Park was not originally planned under the fiscal year 2001 budget; however, the Navy is in the process of locating funds to begin the project this year.

One RAB member was concerned that the Orion Park community had not been notified of the fairly high concentrations of volatile organic compounds (VOCs) identified in the groundwater. The Navy Co-chair explained that the U.S. Army (who manages the Orion Park and other residential areas on Moffett Field) was notified and given a copy of the abbreviated sampling report. Both the Navy and Army are in the process of evaluating whether the site presents any risks to human health or the environment. The Navy Environmental Health Center is assisting by providing information. This subject will be included on the agenda for the next RAB meeting.

Underground Storage Tank Sites: Mr. Art Tamayo, Remedial Project Manager for the Underground Storage Tank sites, introduced himself to the meeting attendees. Detailed information about specific sites was not provided.

OVERVIEW - SITE 25 RESPONSE TO COMMENTS

Ms. Angela Patterson presented an overview of the Site 25 Feasibility Study and clarified issues that were brought up in comments on the document. Primary issues included:

- Selection of site contaminants (zinc, lead),
- Ecological monitoring,
- Remedy alternatives, and
- Applicable or Relevant and Appropriate Requirements (ARARs). Ms. Patterson noted that this issue is not in complete agreement with regulatory agencies at this time. However, the Navy has agreed to perform further testing. The Navy is disputing specific ARARs due to Site 25's status as a stormwater retention pond.

Ms. Patterson discussed the alternatives considered for Site 25 cleanup and the Navy's rationale for choosing the agreed-upon remedy. There were no questions from the audience and she concluded her presentation.

UPDATE - GROUNDWATER REMEDIATION SYSTEMS

Mr. Mike DeAngelis, Foster Wheeler Project Manager, presented an overview of the two existing groundwater remediation systems at Moffett Field: the East Aquifer Treatment System (EATS) and the West Aquifers Treatment System (WATS). EATS has been operational since January 26, 1999 and WATS since November 26, 1998. Mr. DeAngelis explained that Foster Wheeler was new to the site and, therefore, is in the process of reviewing the previous contractor's data from the two systems in order to determine any needs. Mr. DeAngelis explained that the upcoming annual groundwater report would provide much information. He concluded his update.

RAB BUSINESS

Next RAB Meeting: It was agreed that the next RAB meeting would be held on Thursday, **May 10, 2001**, from 7 to 9 p.m.

Agenda Topics: The following items were suggested and will be included on the May 10 agenda.

1. Presentation - Orion Park overview
2. Discussion - *Save the Bay's* Moffett Field habitat restoration project (*Save the Bay* letter and scoping comments on NASA's recent Environmental Impact Study provided by Mr. Moss is attached to these minutes.)
3. Presentation - Northern Channel draft Feasibility Study
4. Presentation - Site 25 Proposed Plan
5. Update - OU 1 (Landfill Sites 1 and 2) monitoring
6. Presentation – NASA redevelopment.

Next THE Meeting: The Technical, Historical, and Environmental subcommittee meeting was scheduled for Wednesday, May 9, 2001 from 7 to 9 p.m.

Meeting Location: When asked how they liked the Mountain View Community Center, the RAB agreed that the Community Center is a fine venue.

Other Business: After much discussion, the members decided to develop a list including each RAB members' name, affiliation, and role. This list will be distributed to individual RAB members. Similarly, a sign-in sheet will be developed to include this information. It will include a box to check for those who do not wish to be documented in the meeting minutes. The sign-up sheet will accompany the meeting minutes in each mailing.

Announcements: A conference at the Santa Clara Valley Water District will be held on June 14 and 15, 2001.

Ms. Muckerman thanked everyone for attending the meeting. The meeting adjourned at 9:16 p.m.

Ms. Muckerman can be reached in any of the following ways:

Mail: Naval Facilities Engineering Command, Southwest Division, 1230 Columbia Street, Suite 1100, San Diego, CA 92101

Telephone: 619-532-9911

Fax: 619-532-0995

E-mail: muckermanam@efdsw.navfac.navy.mil

RAB meeting minutes are located on the Navy's Southwest Division Environmental Web Page at: http://www.efdsw.navfac/navy.mil/DEP/ENV/default.htm

SITES 1 & 2: OPERABLE UNIT 1

- RECORD OF DECISION WAS SIGNED IN AUGUST 1997.
- SITE 2 WASTES (COVERED ~ 1 ACRE) WERE CONSOLIDATED INTO SITE 1.
- SITE 1 WAS CAPPED.
- CONSTRUCTION WAS COMPLETED IN NOVEMBER 1998.

SITES 1 & 2: OPERABLE UNIT

- QUARTERLY MONITORING AND MAINTENANCE IS ONGOING
- QUARTERLY INSPECTIONS ARE CONDUCTED BY SANTA CLARA COUNTY
- NO PROBLEMS WERE INDICATED IN THE LAST INSPECTION REPORT.
- SIGN-UP SHEETS FOR SITES 1& 2 UPCOMING DOCUMENTS

Mountain View Voice

Publication Date: Friday, May 04, 2001
http://www.mv-voice.com/thisweek/2001_05_04.moff54.html

"When (the Navy) did the risk assessment, and the ecological assessment, that was based on the current usage (of the surrounding area). If they change the usage, is that going to be a concern?" Lenny Siegel, Moffett Restoration Advisory Board

Navy plots course for cleanup of Moffett landfill

Base's buried past brought to surface by ground squirrels

By Justin Scheck

At a meeting Thursday, April 26, officials from the U.S. Navy presented their proposal for cleaning up one of numerous sites at Moffett Field listed as potentially hazardous to the environment or human health under the federal superfund law.

"Site 22" is an old landfill that now has a golf course built on top of it. It has encountered recent problems with burrowing animals digging down and bringing long-buried waste to the surface.

"There's a very, very prolific squirrel population in the whole South Bay, and for some reason, they seem to really like this area (of the golf course)," said Andrea Muckerman, the Navy's environmental coordinator for the Moffett base realignment project.

But according to residents involved with the Moffett cleanup, future uses of the area surrounding Site 22 could create issues not addressed by the proposed remedy.

The 9.4-acre landfill was used from 1950 to 1967, and samples show that most of the garbage is domestic waste. The Navy's proposed solution would have a "biotic barrier" of soil, gravel, cement, and cobblestone built atop the landfill to prevent burrowing animals access to the garbage.

The plan includes groundwater and gas monitoring wells, but individuals with knowledge of the site warned the Navy of potential problems with the plan at Thursday's meeting.

Lenny Siegel, a Mountain View resident and the director of the Center for Public Environmental Oversight, has been active in military base realignment actions throughout the country, and is a member of the Moffett Restoration Advisory Board, a group of citizens, naval representatives, and cleanup experts advising the Moffett cleanup.

He expressed concern that the Navy's proposal was chosen in favor of a more comprehensive, and expensive, "multi-layer cap," which would cover the fill with a low-permeability layer to prevent water infiltration of the landfill, as well as a biotic barrier, a six-inch erosion control layer, and a two-foot barrier beneath all these.

The estimated cost of the biotic barrier is about $1.8 million, while the multi-layer cap would cost an estimated $4.1 million.

Siegel said that, while the current problems at the landfill may be limited to gopher access, long-term changes in the area surrounding the site -- such as the potential restoration of the Cargill Salt Ponds into wetland habitats -- could impact the effectiveness of the proposed solution.

"When (the Navy) did the risk assessment, and the ecological assessment, that was based on the current usage (of the surrounding area). If they change the usage, is that going to be a concern?" asked Siegel.

He said he is also concerned about the apparent lack of a contingency plan -- or the factoring in of funds for unexpected problems -- in the Navy's proposal.

"When you put in any kind of a containment strategy, there's a strong likelihood that it will leak. You ask, 'what will last longer, the cap or the toxicity of the contamination?'" said Siegel.

Bob Moss, a Palo Alto resident and co-chair of the Restoration Advisory Board, said the lack of funds for such contingencies is a problem for all military cleanups.

"I completely agree with Lenny that there's no money for any contingencies, but I can guarantee you that you're not going to get the federal government to put money aside... That's not the way they work," said Moss.

Moss characterized Site 22 as "one relatively innocuous portion of the entire (Moffett) site." He said that, while the multi-layer cap is probably better than the biotic barrier, he did not think it was worth the price difference.

"I'd hate to put all this money into this project and not have enough for the more important things," said Moss.

Jim McClure, an environmental engineer who has worked extensively on the Middlefield-Ellis-Whisman Superfund sites, as well as with the Restoration Advisory Board, raised the question of cost at the meeting.

McClure pointed out that unsure military cleanup funding could hinder the progress of expensive cleanups, and this should be taken into account when planning remedial actions.

Muckerman said the funding for the Site 22 cleanup was secured in last year's defense budget process, although only enough funding for the biotic barrier was allocated. She said that if changes are made to the proposal, or another remediation measure is chosen, the Moffett effort will require a re-appropriation of funds from another area.

Both Moss and Siegel said the cleanup strategy should not be based on the prospect that the funding may run out. Moss said that cleanup funding is rarely secure; between fiscal years 1999 and 2000, the budget for the military cleanup in the Bay Area military was cut from $11 million to $2 million. The funding was later restored.

According to Rep. Anna Eshoo, whose district includes Moffett Field, the federal funding for base cleanup was cut from $670 million in fiscal year 1999 to $322 million in fiscal year 2000. But she said this was "a little misleading, because the Republicans... lopped over funding of many things to a new fiscal year from the old fiscal year to balance the budget, so there's some budget trickery involved."

Eshoo said the federal cleanup budget for the current fiscal year is $865 million, and while projects included in this year's budget are secure, she has questions about next year's funding, which will remain unknown until Defense Secretary Donald Rumsfeld completes his operations and maintenance review of the Department of Defense.

"I'm anxious about it, because so far the administration has really relegated environmental concerns to the bottom of the list," said Eshoo.

She said that even if the funding is not cut, each base must fight to secure its share of defense cleanup funding as the budget process nears finalization in the fall.

"We have to bring forward a meritorious case, which I think we have, and we have to compete for the dollars... But it's a lot easier when you have an administration that's with you and puts a priority on these things," Eshoo said.
The cleanup plan for Site 22 has not yet been finalized; the public comment period for the cleanup closes May 9, and the final plan will be announced shortly after that.

FOSTER WHEELER

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TRANSMITTAL/DELIVERABLE RECEIPT

Contract No. N44255-95-D-6030 (RAC II)

Document Control No. 01-0212

File Code: 10.0

TO: Contracting Officer
Naval Facilities Engineering Command
Southwest Division
Mr. Richard Lovering, 02R1.RL
1220 Pacific Highway
San Diego, CA 92132-5190

DATE: 05/17/01
DO: 0090
LOCATION: Moffett Fed. Airfield

FROM: **Neil Hart**, Program Manager

DESCRIPTION: Letter Re: Community Relations Support for Moffett Federal Airfield,
Transmittal: May 10, 2001 Restoration Advisory Board Meeting Materials, 05/14/01

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W. Doctor (5NENWD)		
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A. Patterson (06CHAP)		
1C/1E		Date/Time Received
M. Parker (06CTMP) 1C/1E	NAVY:	
A. Tamayo (06CTAT) 1C/1E	Basic Contract File	
D. Silva (05GDS) 2C/2E	(02R1) 1C	

Rev. 10/2/00

Community Relations
Public Affairs Consulting
Marketing Communications

Katz & Associates, Inc.
4250 Executive Square, Suite 670
La Jolla, CA 92037
Tel (858) 452-0031
Fax (858) 552-8437
info@katzandassociates.com
www.katzandassociates.com

May 14, 2001

Luis Rivero
Foster Wheeler Environmental Corporation
1230 Columbia Street, Suite 640
San Diego, CA 92101

RE: Community Relations Support for Moffett Federal Airfield
Transmittal: May 10, 2001 Restoration Advisory Board Meeting Materials

Dear Mr. Rivero:

This letter serves as formal transmittal of the materials made available at the 10 May 2001, Restoration Advisory Board (RAB) meeting. The meeting was held at the Mountain View Police Department from 7 to 9 p.m., in the Auditorium. These materials include:

1. Agenda
2. Draft Minutes from the 15 February 2001 RAB Meeting
3. Sites 1 and 2: Operable Unit 1 Overheads (Mary Parker's Presentation)
4. Mountian View *Voice* Article, Dated 4 may 2001, "Navy plots course for cleanup of Moffett Landfill" (Wilson Doctor's Presentation)

In addition to these items, Restoration Advisory Board applications were available for new meeting attendees. If you have any questions about this transmittal, its contents or the RAB meeting, please do not hesitate to call me at 858-452-0031 x390.

Very truly yours,

Karen

Karen Linehan
Project Manager

Attachment: 1 copy

Cc: DC File, FWENC
P. Everds, FWENC
A. Muckerman, SWDIV
W. Doctor, SWDIV
A. Patterson, SWDIV
M. Parker, SWDIV
A. Tamayo, SWDIV
D. Silva, SWDIV Administrative Record File