

DRAFT

**FORMER NAVAL AIR STATION MOFFETT FIELD  
RESTORATION ADVISORY BOARD MEETING  
MOUNTAIN VIEW SENIOR CENTER  
MOFFETT FIELD, CALIFORNIA**

*NOTE: An acronym list is provided on the last page of these minutes.*

**Subject: RAB MEETING MINUTES**

The Restoration Advisory Board (RAB) meeting for former Naval Air Station (NAS) Moffett Field was held on Thursday, 9 September 2010, at the Senior Center in Mountain View, California.

**Community RAB Members in attendance:**

Bill Berry, Gabriel Diaconescu, Linda Ellis, Libby Lucas, Stewart McGee, Diane Minasian, Bob Moss, Ralph Otte, Arthur Schwartz, Jac Siegel, Lenny Siegel, Steve Sprugasci, Peter Strauss, Dan Wallace, and Steve Williams

**Regulatory Agency and Navy RAB Members in attendance:**

Scott Anderson (Navy), Sarah Kloss (U.S. Environmental Protection Agency [EPA]), Alana Lee (EPA), Kathy Stewart (Navy), and Elizabeth Wells (San Francisco Bay Regional Water Quality Control Board [Water Board])

**Other Navy, Regulatory Agency, National Aeronautics and Space Administration (NASA), and Consultant Representatives in attendance:**

Lauren Cason (Sealaska Environmental), Don Chuck (NASA), Dr. Ann Clarke (NASA), Wilson Doctor (Navy), Deborah Feng (NASA), Valerie Harris (Navy), Neil Hey (Shaw Group Inc.), Mark T. Hightower (NASA), Carolyn Hunter (Tetra Tech EM Inc.), Sarah Ann Moore (Navy), Gary Munekawa (Navy), George Sloup (NASA)

**Other Community Members in attendance:**

Charles Allen (Foothill DeAnza College), Roderick Bersamina (Representative from Congresswoman Anna Eshoo's Office), Cassiano Bonaim (Space for Progress), Larry Ellis, Laura Casa-Frier (Foothill DeAnza College), Renato Frota (Space for Progress), Angela Liang, Georgina Hymes, John Lilikala (Space for Progress), Jack Nadeau (Save Hangar 1), Martin Rawson, Diane Samuels (*Daily News*), Alanis Sinclair (Space for Progress), Terry Terman, Greg Unangst, and Bill Wissell

**WELCOME**

Bill Berry (RAB community co-chair) and Kathy Stewart (U.S. Navy Base Realignment and Closure [BRAC] Environmental Coordinator [BEC]) opened the meeting at 7:00 p.m. and welcomed everyone in attendance. Ms. Stewart reviewed the agenda for the evening and said that the meeting would be conducted in the same format as the last few RAB meetings. The RAB will have an opportunity to ask questions and engage in dialogue after each presentation topic, and the public will have an opportunity to comment on any of the presentations or issues at the end of the meeting. Comment sheets are available if a member of the public does not have an opportunity to speak or would prefer to submit a comment in writing. RAB member Steve Williams requested that members of the community who have not spoken before are able to speak first since there is limited time during the public comment period. RAB member Jac Siegel asked that community members limit their questions and comments to 2 minutes to move the agenda along. The RAB voted and approved that new members of the public are called on first during the public comment section of the agenda. Each member of the public will be allowed 2 minutes for the comment or question.

**APPROVAL OF MEETING MINUTES**

Ms. Stewart asked for corrections to the 8 July 2010 meeting minutes. The RAB voted to finalize the 8 July 2010 meeting minutes. Meeting minutes are posted to the former NAS Moffett Field project website at: <http://www.bracpmo.navy.mil/basepage.aspx?baseid=52&state=California&name=moffett>.

**DOCUMENTS FOR REVIEW**

Documents are available in CD-ROM format. Sign-up sheets for the documents listed below were circulated during the meeting to the RAB members.

<u>#</u>	<u>DOCUMENT</u>	<u>APPROXIMATE SUBMITTAL DATE</u>
1.	Site 25 Draft Final Pre-Design Work Plan	September 2010
2.	Petroleum Sites Final Groundwater Monitoring Well Decommissioning Work Plan	September 2010
3.	Petroleum Site 14 Draft Technical Memorandum Report	September 2010
4.	Site 27 North Patrol Road Ditch Site Restoration Final Work Plan Addendum Report	September 2010
5.	Petroleum Sites Final Closure Report	October 2010

**ANNOUNCEMENTS**

Ms. Stewart introduced her replacement, Scott Anderson. Ms. Stewart said that Mr. Anderson has worked on environmental restoration of Treasure Island for the past 9 years. Mr. Berry thanked Ms. Stewart for her work on former NAS Moffett Field. Mr. Berry has a good working relationship with Ms. Stewart and wishes her well on her new position.

Ms. Stewart said that she is working on incorporating RAB comments into the contract with the Navy's contractor, AMEC Earth and Environmental, on the Hangar 1 historical items the RAB would like saved. The Navy plans to save eight man-cranes and the clam shell. NASA is also working on obtaining funding to save additional items, including elements of the cork room, the door frame, the hooks for the traveling doors, and the man-crane rails. The man-crane rails and elevator rails will be coated and left in place. The Navy is discussing with NASA the window moldings. A meeting was held with State Historic Preservation Office (SHPO) on the window fittings. NASA does not have optional funding available for the window moldings. Ms. Stewart said that the Navy plans to begin removing the hangar roofing in March 2011.

- RAB member Bob Moss asked for an update on the funding request for \$10 million by Congresswoman Anna Eshoo and if it had been approved. Mr. Moss said that funding could be used to save the windows. Roderick Bersamina (representative from Congresswoman Eshoo's Office) said that Congresswoman Eshoo has been in contact with NASA about saving the hangar windows. A path forward for the hangar windows has not been finalized.

## **NASA UPDATE**

Dr. Ann Clarke (NASA) announced the bay trail will open on September 20, 2010. For more information on the ceremony and activities associated with the bay trail opening, visit [www.baytrail.org](http://www.baytrail.org). Dr. Clarke said that NASA has been working with the U.S. Fish and Wildlife Service for the easement agreements to manage upkeep of the bay trail. Dr. Clarke said that the Navy cleaned up the Northern Channel property, which made it possible to complete opening of the bay trail.

## **HANGAR 1 SUBCOMMITTEE REPORT**

Lenny Siegel (RAB member) asked for an update on the items that the Hangar 1 Subcommittee requested to be saved at the 8 July 2010 RAB meeting. Deb Feng (NASA) said that NASA is reviewing the historical items requested by the subcommittee and is preparing a revised list to submit to the Navy. Ms. Stewart said that the Navy has been working with NASA Historian Keith Ventneer on the items that should be preserved. Mr. L. Siegel asked for an update on preserving the steel doors and light fixtures in the hangar. Ms. Stewart said that the Navy is still considering the steel doors and light fixtures. Ms. Stewart said the Navy decided that the steel wall inside the hangar will not be preserved because of the asbestos contamination. It was not cost effective to save the steel wall.

Mr. L. Siegel asked if the Navy received results from the cork room sampling. Mr. L. Siegel said the subcommittee has questions on the source of the Aroclor polychlorinated biphenyl (PCB) contamination in the cork room since it is a different type than has been found in the hangar. Mr. L. Siegel asked if the PCBs could be from the glue applied to the cork to adhere to the walls in the cork room. The subcommittee would like an explanation on how the cork was contaminated before the Navy removes it. Mr. L. Siegel said that the Hangar 1 Subcommittee is pleased that the Navy plans to leave the steel structure intact so that a future cork room could be built. Ms. Stewart said the Navy is investigating the origin of the Aroclor PCB contamination on the cork and is working with a PCB expert to provide more information to the subcommittee.

- RAB member Arthur Schwartz asked if the PCB contamination in the cork is low enough, can be coated and preserved. Mr. L. Siegel said that he has spoken with preservation experts who have noted that coating the cork would turn it into a substance that does not feel like the original cork. If the cork is coated to preserve it, NASA will have to maintain the coating in the future. NASA is not interested in maintaining the coating on contaminated cork.
- Mr. Williams asked if the entire cork room and flooring can be encapsulated until funding and a future use for the hangar are identified. Ms. Stewart said that the Navy collected samples from the cork room flooring and results were non-detect for PCBs. Ms. Feng said that NASA does not want to assume the liability of an encapsulated cork room. NASA wants to support items to be saved that have a long-term use and does not want to keep items that will not be used in the future. Mr. L. Siegel said that he wants to ensure that NASA and the Navy are making every effort to preserve historical significant items in the hangar.
- Mr. L. Siegel said that he is concerned the Navy is backed into a corner with its contractor for the removal action at Hangar 1. Mr. L. Siegel hopes the Navy is looking at some of the cost-saving mechanisms while completing the removal action at Hangar 1.
- Mr. Williams asked for more information on the cork room floor sampling. Ms. Stewart said that two samples were taken of the cork room floor. The two samples came back non-detect for PCBs. The cork room floor may be costly for NASA to maintain in the future if the administration decides to keep it. Most of the focus to date has been to save the cork room and not the flooring. Ms.

Stewart said that the Navy has been trying to share its challenges with the RAB members to keep them informed of the progress. The Navy hopes to work out solutions to address the RAB's concerns and balance them with NASA's path forward for Hangar 1.

- Mr. Moss said that the issue to preserve items in the hangar comes down to having the funds to do so. Mr. Moss said that it is expensive to demolish and dispose of contaminated material. It could save money to coat items instead of demolish and disposing of them. He does not understand the need to dispose of the cork room floor if it is not contaminated. Ms. Stewart said that she will look into the cork room floor and its path forward and provide more information to the RAB.

## **REGULATORY AGENCY UPDATE**

### **San Francisco Bay Regional Water Quality Control Board (Water Board)**

Elizabeth Wells (Water Board) said she has been reviewing the draft petroleum program work plan reports. Ms. Wells participated in a site tour at Hangar 1 to review the stormwater pollution prevention plan with the Navy and its contractors. Ms. Wells said the Water Board did not take any furlough days in August 2010 but the work schedule can change from day to day. The Water Board has a hiring freeze although staff is reduced, which has added to the work load.

### **U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) VAPOR INTRUSION UPDATE**

Alana Lee (EPA) summarized EPA's Second Five-Year Review vapor intrusion follow-up actions necessary to ensure the protectiveness of the remedy for the Middlefield-Ellis-Whisman (MEW) Superfund Study Area, which includes the West-side-Aquifers Treatment System (WATS) Area and other portions of Moffett Field. The Five-Year Review follow-up actions include finalizing the record of decision (ROD) Amendment for the vapor intrusion pathway, completing baseline indoor air sampling and evaluation of buildings within the Vapor Intrusion Study Area, and implementing any necessary remedial actions. Ms. Lee indicated that EPA selected the vapor intrusion remedy in an August 2010 ROD Amendment after carefully considering all public comments. Ms Lee summarized how the response actions are necessary to address the potential health risks associated with long-term exposure to trichloroethene (TCE) and other site contaminants. EPA developed a tiering system to evaluate whether a response action is necessary for an existing building within the Vapor Intrusion Study Area. Future buildings require an engineered vapor intrusion control system (e.g., installation of a vapor barrier, passive sub-slab ventilation system with the ability to be made active and monitoring). EPA is preparing the work requirements for implementation of the vapor intrusion remedy and is in discussions with the Navy, NASA, and the MEW parties to conduct the work.

### **NASA VAPOR INTRUSION SAMPLING**

Don Chuck (NASA) presented NASA's plans for sampling 35 buildings at NASA Ames Research Center that are currently occupied, but have not been previously sampled. NASA's tentative schedule includes completing the sampling plan in October 2010 and beginning sampling after EPA review and approval of the sampling plan. NASA is currently updating its website to include a map that shows the buildings that have been sampled and each building's sample results.

- Mr. Berry asked if NASA sampled Buildings N210 and 19. Mr. Chuck said that NASA is drafting a sampling plan for Building N210 but nothing had been decided for Building 19. Dr. Clarke said that she checked the leasing agreement for buildings at NASA Ames Research Center and the lessee is responsible for conducting annual indoor air sampling. Mr. Berry said that Building 19 has not been sampled in a few years and NASA should add it to the list of building that need to be sampled for vapor

intrusion. Dr. Clarke said NASA is installing a ventilation system (e.g., HVAC) in the basement of Building 19 where air samples were previously collected. Mr. Berry requested a copy of the past sampling results at Building 19.

- Mr. L. Siegel said that the vapor intrusion work conducted at the MEW and Moffett Field sites are technically challenging and EPA's vapor intrusion remedy is groundbreaking and may become a model for future work. RAB member Peter Strauss said that he reviewed the MEW ROD amendment and was pleased with EPA's selected remedial actions to address the vapor intrusion pathway.

Dr. Clarke said that NASA has limited funding for vapor intrusion work and is working with EPA, the Navy and MEW Parties to determine the path forward for vapor intrusion. NASA continues to keep the building tenants at NASA Ames Research Center apprised of upcoming sampling activities regarding vapor intrusion.

## **SITE 25 UPDATE**

Valerie Harris (Navy Remedial Project Manager [RPM]) provided an update on Site 25. Ms. Harris said that Site 25 consisted of approximately 230 acres and was built in 1953 for use as part of a stormwater management system, which consists of the eastern diked marsh and the stormwater retention pond. The stormwater retention pond is divided into a western portion owned by the Midpeninsula Regional Open Space District (MROSD) and the central and northeastern basins that are managed by NASA. From 1994 to 2006, the Navy conducted a series of environmental investigations at Site 25, including sediment and surface water sampling, to investigate the nature and extent of the contamination. It was determined that there were elevated concentrations of PCBs, dichlorodiphenyltrichloroethane, lead, and zinc at Site 25. The Navy signed a ROD for Site 25 in January 2010. The remedy selected in the ROD was excavation and treatment of sediment and off-site disposal. The Navy will issue the Draft Final Work Plan for Pre-Design Investigation on 10 September 2010. The Navy plans to conduct the field work at Site 25 in September and October 2010. Field work includes collecting sediment samples and evaluating the types of sediment, vegetation, sensitive species, and wetlands. During excavation, the Navy will protect the endangered species and return the critical habitat to current conditions. The remedial action for Site 25 is scheduled to begin in the summer of 2011. Contaminated sediment at Site 25 will be excavated after upgradient sources have been removed, including Hangar 1 and the upland PCBs. The Navy plans to excavate up to 2 feet of sediment from approximately 34 acres. Once the remedial action is completed, Site 25 will be open for unrestricted reuse.

- Mr. Moss asked if MROSD supports the Navy's site restoration plan. Ms. Harris said that, as far as she knows, MROSD supports the Navy's site restoration plan. Ms. Lucas said that the MROSD contact, Duncan Simmons, has recently retired and the Navy will need to identify his replacement.

## **SITE 27 UPDATE**

Wilson Doctor (Navy RPM) said the Navy is restoring Site 27. Mr. Doctor thanked the RAB members for their comments on the Site 27 remedial action plan. Based on the RAB's concern for the western pond turtle, the Navy considered other options for the site restoration. The Navy submitted a draft site restoration work plan addendum for Site 27 in March 2010 that proposed a combination of geotextile, drainage rock, and soil. Mr. Doctor said a site visit was held on 28 July 2010 with the regulatory agencies, biologists, and a RAB member to discuss comments on the draft site restoration work plan addendum. The Navy is resolving comments and finalizing the site restoration work plan addendum for Site 27. The site restoration field work will take about 2 weeks to complete.

## DRAFT

- RAB member Libby Lucas said that she appreciates the work the Navy has done to address her concerns about the western pond turtle habitat. During the site tour, Ms. Lucas noticed the vegetation at the Marriage Road Ditch has returned and a baby turtle was present.

## PUBLIC COMMENT PERIOD

Ms. Stewart opened the meeting for questions or comments from the members of the public.

- Laura Casas-Frier (Foothill DeAnza College) said that the Foothill DeAnza College is interested in leasing property at Moffett Field from NASA. Ms. Casas-Frier asked who would be in charge of enforcing permitting on the property. Dr. Clarke said that a NASA permit review board enforces the permitting process at NASA Ames Research Center. Ms. Casas-Frier asked if there is anything being done to clean up the groundwater contamination faster. Ms. Stewart said that the Navy participates in a bimonthly meeting to discuss cleanup at former NAS Moffett Field, including the Site 28 WATS groundwater plume. Multiple parties are involved in addressing the regional groundwater plume. Ms. Lee acknowledged that the shallow regional groundwater contamination plume is the source of vapor intrusion at Moffett Field. Ms. Casas-Frier asked if there is a plan to mitigate vapor intrusion at former NAS Moffett Field. Dr. Clarke said vapor intrusion mitigation requirements will be outlined for any new buildings at former NAS Moffett Field. Ms. Lee indicated that EPA's ROD Amendment sets forth the vapor intrusion remedy and requirements for existing and future buildings within the Vapor Intrusion Study Area.
- Community member Georgina Hymes said Former NAS Moffett Field should be saved as a military base since there are no active military bases in Northern California.
- Mr. Williams said that television station KQED is planning a documentary on former NAS Moffett Field to raise awareness of the history of the site.
- Mr. Moss thanked Ms. Stewart for her work with the RAB. He said Ms. Stewart has been helpful to the RAB. Mr. Williams said that Ms. Stewart was receptive to the community's concerns and was responsive, which was appreciated.

## Future RAB Topics

Ms. Stewart announced the next RAB meeting will tentatively be held on 4 November 2010 instead of the second Thursday of the month, which is Veterans Day. Some regulatory agencies and NASA members cannot attend a meeting on 4 November 2010. The Navy is considering moving the RAB meeting to 18 November 2010. The Navy will send out an announcement to the RAB once the next meeting date is finalized. The RAB discussed the following items as potential topics for future meetings:

- RAB Hangar 1 Subcommittee Update

## Adjourn

The meeting was adjourned at 8:45 p.m., and Ms. Stewart thanked all present for attending. Mr. Anderson can be contacted with any comments or questions:

- Mr. Scott Anderson  
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**ACRONYM LIST**

BEC – BRAC Environmental Coordinator

BRAC – Base Realignment and Closure

EPA – U.S. Environmental Protection Agency

MEW – Middlefield-Ellis-Whisman

MROSD – Midpeninsula Regional Open Space District

NAS – Naval Air Station

NASA – National Aeronautics and Space Administration

PCB – Polychlorinated Biphenyl

RAB – Restoration Advisory Board

RPM – Remedial Project Manager

SHPO - State Historic Preservation Officer

Water Board – San Francisco Bay Regional Water Quality Control Board

WATS – West-side Aquifers Treatment System

RAB meeting minutes are posted on the Navy’s environmental Web page at:

<http://www.bracpmo.navy.mil/basepage.aspx?baseid=52&state=California&name=moffett>

Respectfully Submitted,

Scott Anderson  
Navy Co-Chair,  
Former NAS Moffett Field RAB