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**FORMER NAVAL AIR STATION MOFFETT FIELD  
RESTORATION ADVISORY BOARD MEETING  
BUILDING 943, EAGLE ROOM  
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, 14 January 2010, at Building 943 in the Eagle Room at Moffett Field, California.

**Community RAB Members in attendance:**

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

**Regulatory Agency, City Representative, and Navy RAB Members in attendance:**

Sarah Kloss (U.S. Environmental Protection Agency [EPA]), Alana Lee (EPA), Kathy Stewart (Navy), Elizabeth Wells (San Francisco Bay Regional Water Quality Control Board [Water Board]), and Kevin Woodhouse (City of Mountain View Assistant to the City Manager)

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

Michael Anderson (ChaduxTt), Don Chuck (NASA), Dr. Ann Clarke (NASA), Lauren Cason (Sealaska Environmental), Viola Cooper (EPA), Julie Crosby (Navy), Wilson Doctor (Navy), Diane Fanar (NASA), Deborah Feng (NASA), Valerie Harris (Navy), Neil Hey (Shaw Environmental Group), Mark Hightower (NASA), Carolyn Hunter (Tetra Tech EM Inc.), Dan Leigh (Shaw Environmental Group), Lisa Lockyer (NASA), Keith Siuda (NASA), George Sloup (NASA), Susan Skoe (Haley & Aldrich), Dan Stralka (EPA), Jessica Watkins (Water Board)

**Other Community Members in attendance:**

Charles Allen, Jonathan Allen (Representative from Congresswoman Eshoo's Office), Bill Almon, Paul Arpin, Roderick Bersamina (Representative from Congresswoman Eshoo's Office), Beth Bunnenberg (Save Hangar 1), Valerie Bunnell, Laura Casas-Frier (Foothill DeAnza Community College), Larry Ellis, Linda Ellis (Save Hangar 1), Carl Honaker, Georgina Hymes, Helen Hymes, Mike Makinen, J.V. McCarthy, Jack Nadeau (Save Hangar 1), Martin Rawson, Diana Samuels (Daily News Group), Jeff Segall, Duncan Simmons (Midpeninsula Regional Open Space District [MROSD]), Rick Smith, Jim Van Pernis, and Steve Williams

**WELCOME**

Bob Moss (RAB community co-chair), and Kathy Stewart, (U.S. Navy Base Realignment and Closure [BRAC] Environmental Coordinator [BEC]), opened the meeting at 7:10 p.m. and welcomed everyone in attendance. Mr. Moss then reviewed the agenda for the evening.

**APPROVAL OF MEETING MINUTES**

Mr. Moss asked for corrections to the 12 November 2009 meeting minutes. Ralph Otte (RAB member) requested the RAB meeting minutes be issued to the RAB members within 1 month of the past meeting. Ms. Stewart said the Navy attempts to provide the meeting minutes to the RAB as expeditiously as possible. Both the Navy and the regulatory agencies review the minutes before they are issued to the community. Mr. Otte

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asked why the 12 November 2009 meeting minutes were not signed, as he previously requested. Ms. Stewart said that she will sign the meeting minutes once all comments are incorporated and they are finalized. Mr. Otte asked who serves as the RAB secretary. Mr. Moss responded that the RAB does not currently have a secretary. Mr. Otte noted the RAB is not following its charter as a result. Ms. Stewart said she will review and propose to the RAB changes for updating the charter. If RAB members have comments on the charter, they can provide them to Ms. Stewart.

Regarding the November meeting minute comments, Peter Strauss (RAB member) requested on page 5 that "World Trade" be changed to "New York State." The RAB voted to finalize the 12 November 2009 meeting minutes with the comment provided. 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. Ms. Stewart asked that RAB members specify on the document signup sheets if they are interested in receiving a hard copy of a document. If a hard copy is not specified, the RAB member will receive a CD. Ms. Stewart reminded the RAB members to print clearly when they sign up for documents to expedite the delivery process.

<u>#</u>	<u>DOCUMENT</u>	<u>APPROXIMATE SUBMITTAL DATE</u>
1.	Final Basewide Five-Year Review	February 2010
2.	Final Addendum #3 to Petroleum Site 14 South Corrective Action Plan And Associated Work Plan	February 2010
3.	Draft Work Plan for Pre-Design Investigation of Sediment at Installation Restoration Site 25 (Includes Sampling and Analysis Plan [SAP])	February 2010
4.	Draft Site 29 (Hangar 1) SAP	February 2010
5.	Draft Hangar 1 Work Plan	February 2010
6.	Draft Hangar 1 Health and Safety Plan	February 2010
7.	Revised Draft North Patrol Road Ditch Site Restoration Plan	March 2010

## ANNOUNCEMENTS

Ms. Stewart announced that Building 943 will be demolished at the beginning of March 2010. The Navy is considering moving the RAB meetings to Building 3, which is inside the gate to former NAS Moffett Field. Ms. Stewart said the Navy will work with NASA to clarify the process for obtaining public access to the base to attend the RAB meetings. Deborah Feng (NASA) said the community members will need to show identification that provides an address and photograph to access Building 3.

- Community member Steve Williams said that the Navy will need to communicate to the community members that they can gain access to former NAS Moffett Field to attend the RAB meeting. The community has the impression that it does not have access to the base. Mr. Williams said he believes NASA's protocol of checking identification to gain access onto the base causes a chilling effect on the community. Mr. Williams asked for clarification on why NASA has the authority to regulate who enters the base. Ms. Feng said that the protocol for accessing the base is regulated by NASA Headquarters in Washington, D.C.

Ms. Stewart said that if access Building 3 becomes a problem for the community, the Navy will look into locations in Mountain View.

- Community member J.V. McCarthy said tighter security is present for sections of former NAS Moffett Field occupied by the National Guard.
- Community member Larry Ellis voiced concern that holding the RAB meetings inside the NASA gate will make the meetings less accessible to community members, thereby silencing them.
- Mr. Williams indicated NASA's protocol for checking identification to gain access to former NAS Moffett Field directly affects community involvement. He requested the Navy become involved so that access protocols for the base are more accommodating to the community.

Ms. Stewart said the Navy will work closely with NASA to ensure the RAB meeting is accessible to anyone who is interested in attending. The Navy will make sure that the process for accessing the base is clearly outlined in the public notice in addition to the e-mail announcement sent to the RAB before the 11 March 2010 meeting.

## **RAB COMMUNITY CO-CHAIR ELECTION**

Ms. Stewart announced that the RAB community co-chair position is up for annual election as directed by the charter. The community co-chair nominations began on 12 November 2009 at the last RAB meeting and ran until 14 January 2010. Two RAB members were nominated for the community co-chair role: Mr. Moss, the incumbent, and Bill Berry. Ms. Stewart asked the community co-chair nominees to provide the RAB a brief summary of their qualifications for the position.

Mr. Moss said that he has been a RAB member for 15 years. He has been working on the RAB to ensure the environment is safe for the community. Mr. Moss said he has been actively involved with cleanup sites in Palo Alto and understands how to work with government entities. He said he has been working as the RAB co-chair to make sure the Navy is effectively responding to the communities concerns. Mr. Moss also has been working to save Hangar 1. Mr. Moss said that it is important to have a community co-chair who works effectively with various agencies. Mr. Moss said that the *Palo Alto Weekly* awarded him "Citizen of the Year" for 2009 for his involvement on various city issues.

Mr. Berry thanked Mr. Moss for his success as the RAB community co-chair. Mr. Berry said that he is working on the future use of former NAS Moffett Field. Mr. Berry was a NASA scientist and research engineer before he retired. Once he retired from NASA, Mr. Berry was asked to join the University of California to help establish a Silicon Valley campus. The University of California has started discussions with NASA to select a location at former NAS Moffett Field for a Silicon Valley campus.

The RAB members were provided a ballot to vote on the community co-chair. Ballots were collected and tabulated during the meeting. Toward the end of the meeting, Ms. Stewart announced that Mr. Berry was elected the 2010 RAB community co-chair.

## HANGAR 1 PROGRESS UPDATE

Ms. Stewart provided an update on the status of Hangar 1. The Navy, NASA, and the Office of Management and Budget (OMB) met to discuss Hangar 1 and are making progress. The Navy and NASA will schedule a meeting with Congresswoman Anna G. Eshoo's (District 14) office to discuss Hangar 1. Ms. Stewart stated she will continue to keep the RAB updated on this issue.

- Mr. Williams requested clarification on the Secretary of the Navy's commitment in response to Congresswoman Eshoo's request that no siding be removed from the hangar until a plan is in place to re-side it. Ms. Stewart stated that the Navy's commitment remains as stated; the intent is that no siding will be removed until the OMB arbitration process has concluded.
- Mr. Williams asked about the timeframe to receive an update on the progress of the discussions with OMB and Congresswoman Eshoo. Ms. Stewart said that a meeting date has not yet been scheduled with Congresswoman Eshoo, though she understands the parties are working on scheduling it. Ms. Stewart stated she will update the RAB when further information is available.
- Mr. Strauss asked about any "sticking points" during the meeting with OMB. Ms. Stewart said that the Navy and NASA agreed that, out of respect for Congresswoman Eshoo's involvement in the project, the meeting with her needs to occur before further information is provided to the public.
- Arthur Schwartz (RAB member) requested the discussions between the Navy, NASA, and OMB be opened up to private parties. The RAB voted on the resolution to open the OMB discussions to public agencies and private parties. Ms. Stewart said that she will inform Navy leadership of the RAB's request.
- Mr. McCarthy said that he is concerned that all of the agencies involved in determining the future of Hangar 1 are government agencies. He is happy that the University of California is becoming involved in the reuse of former NAS Moffett Field, which may bridge the gap between the government agencies in their decision on the future of Hangar 1.
- A community member said that Hangar 1 is a historical landmark and should be saved. The community member asked if installing solar panels on the new skin of the hangar was considered. Mr. Moss said that placing solar panels on Hangar 1 was considered in the past; however, it was determined that the solar panels would not face the correct direction to generate enough energy to make them worthwhile.
- Community member Georgina Hymes said that she believes past promises from the Navy did not consider the historical significance of Hangar 1. The Navy does not have any presence in Northern California, and she would like to see the Navy reopen former NAS Moffett Field for future military needs. Ms. Hymes said she does not agree with establishing a University of California campus on the base. She suggested the Navy bring back an active military presence to both former NAS Moffett Field and Treasure Island. Ms. Hymes said that she wants to make sure that Hangar 1 is saved and the historical windows are left intact.

Ms. Stewart provided an update on the Hangar 1 Removal Action contract. She stated various work plans were under development, and contractor mobilization was scheduled to occur in the spring. Ms. Stewart stated that

interior abatement and demolition would occur first and that roof and siding removal was scheduled to occur in late fall of 2010. The siding removal and frame coating should be complete by summer of 2011, and then a final report would be submitted in winter 2012. Ms. Stewart said the Navy plans to host a meeting with the tenants and NASA staff at former NAS Moffett Field to describe the planned Hangar 1 removal action. The presentation to the tenants and NASA staff will be similar to the presentation that the Navy's contractor, AMEC Earth and Environmental Inc., provided to the RAB in November 2009.

- Mr. Williams noted that the Engineering Evaluation/Cost Analysis (EE/CA) included a component for funds to be allocated to historical preservation. He suggested these funds be used to preserve the windows. Ms. Stewart stated that preservation of windows was not included as a historic mitigation measure in the EE/CA and Action memo and that these documents were coordinated with the Advisory Council of Historic Preservation (ACHP) and State office of Historic Preservation (SHPO).
- Mr. Moss said that he does not believe that the Navy has set funding aside to preserve historic items that should be removed from the hangar before the removal action. Ms. Stewart said that the Navy has set aside funding to within the contract to decontaminate items within the hangar that NASA will identify. Mr. Moss stated that the Navy has ignored historic requirements and ignored several letters from the ACHP and SHPO. Ms. Stewart stated the Navy coordinated with ACHP and SHPO during the removal action evaluation and selection process, and that letters are posted on the Navy's website: <http://www.bracpmo.navy.mil/basepage.aspx?baseid=52&state=California&name=moffett>.
- Mr. Siegel said that the ACHP and SHPO letters to the Navy said that the hangar should be saved but does not say who is responsible.
- A community member requested copies of the videos of the Navy and ACHP meetings that discuss the path forward of the hangar.
- A community member said there is documentation that recognizes the historical significance of the windows. Ms. Stewart stated an option was placed in the contract at NASA's request for preservation of the windows. She stated the option had not been exercised.
- Mr. Schwartz said there were letters in 2006 from Congresswoman Eshoo's office written to the Navy but a response was never provided. The National Trust identified Hangar 1 as a historic site in Silicon Valley. Ms. Stewart said that the Secretary of the Navy has been in contact with Congresswoman Eshoo regarding the correspondence received on Hangar 1.
- Mr. Williams said he is concerned that no commitment from the Navy exists to re-side the hangar. The community does not want the skeleton of the hangar left exposed to deteriorate while responsibility for re-siding the hangar is decided.
- A community member asked what will happen if NASA has not made a decision about saving the windows by the time the option in the contract expires. Ms. Stewart said that the Navy can ask the contractor to extend the proposed price, or the option can be renegotiated. The community member asked what will happen if NASA has not made a decision by the time the roof and siding removal begins in the fall of 2010. Ms. Stewart stated the Navy did not plan to delay the contract if a decision was not made on the windows by fall of 2010.
- Mr. Moss said that although Alternative 10 was chosen in the EE/CA for cost saving measures, other alternatives could be considered.

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Ms. Stewart said that she will take all of the comments from the community to Navy management for consideration. As further information becomes available regarding discussions with Congresswoman Eshoo, Ms. Stewart will inform the RAB.

Due to time constraints, the planned topics on the Navy's Five Year Review and Sites 26 and 28 Update were not presented.

## **REGULATORY AGENCY UPDATE**

### **EPA TRICHLOROETHENE (TCE) UPDATE**

Dan Stralka (EPA) presented an update of the toxicity evaluation of TCE and its prevalence as a chemical of concern at many Superfund sites. EPA's drinking water standard for TCE is 5 parts per billion (ppb). EPA has not established a TCE standard for the vapor intrusion pathway and indoor air. EPA is reassessing the toxicity of TCE through the Integrated Risk Information System (IRIS) assessment process. A risk assessment includes four steps, hazard identification, dose-response, exposure assessment, and risk characterization. The IRIS process will answer the first two steps, hazard identification and dose-response and result in the toxicity values that will be used in the rest of the risk assessment process. As part of the IRIS process, EPA reviews scientific literature, analyzes relevant data, prepares a toxicological review, calculates toxicity values and then publishes the findings in the IRIS database. EPA released a draft TCE toxicological review in November 2009 for public review, and the comment period will end in February 2010. The TCE assessment reviewed health effects associated with TCE exposure including noncancer and cancer, and the relevant mode of action such as mutagenic or through metabolites.

Dr. Stralka reviewed the timeline for the TCE toxicity assessment. Multiple documents have been released in support of the process that has lead up to the current draft toxicological review. All of the historical documentation on the TCE assessment can be found on EPA's website under TCE at:

<http://www.epa.gov/ncea/>. EPA is convening a Science Advisory Board to review and provide comments on the draft TCE toxicological review. EPA anticipates finalizing the TCE assessment and entering in the IRIS database in 2011 or later after all of the comments are considered and the document is updated.

- Mr. Siegel asked if the current indoor air inhalation requirement for commercial property is 5 or 1 microgram per cubic meter (ug/m<sup>3</sup>) and if it rises by a factor of 10. Dr. Stralka said that the current MEW/Moffett Field screening levels 5 ug/m<sup>3</sup> for indoor air in commercial buildings and 1 ug/m<sup>3</sup> in residential indoor air. If TCE is determined to act through a mutagenic mode of action, a factor of 10 additional uncertainty is only applied for assessing early life exposures and would be incorporated into the residential standards.
- Mr. Otte asked if the TCE screening occurs at active military bases for workers using TCE. Dr. Stralka said that workers using TCE are monitored under Occupational Safety and Health Administration standards. Mr. Siegel said that some indoor air monitoring has been conducted for active bases where past use determines the need for TCE screening.
- Laura Casas Frier (Foothill DeAnza College) asked if there is a concern with TCE and indoor air issues at former NAS Moffett Field. Foothill DeAnza College is considering establishing family housing for students at former NAS Moffett Field. Dr. Stralka said that the indoor air levels may not be drastically different than the 1 and 5 ug/m<sup>3</sup> levels currently being used at Moffett Field and MEW.

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- Mr. Siegel said that the TCE assessment is detailed with information on the multiple pathways for ingestion of TCE. Multiple agencies, including NASA and Office of Management and Budget (OMB), sent a request to the National Academy of Sciences to review and provide comments to EPA on the TCE assessment. Mr. Siegel asked what levels of groundwater contamination will need to be present to cause elevated levels of TCE in indoor air. Dr. Stralka said that the concentrations would be site-specific: the depth of the groundwater contamination would need to be considered to assess the impact to indoor air. If the groundwater is treated, it will reduce the TCE levels in indoor air. Mr. Siegel said that the community should request that all buildings that are above the groundwater plume at former NAS Moffett Field be tested for elevated levels of TCE in the indoor air.

## RAB BUSINESS

### Future RAB Topics

Ms. Stewart announced the next RAB meeting will be held on 11 March 2010. The RAB discussed the following items as potential topics for future meetings:

- NASA treated groundwater reuse project
- Hangar 1 Update
- Update on Sites 26 and 28
- Basewide Five-Year Review
- Middlefield-Ellis-Whisman Five-Year Review
- Army Orion Park Update

### Public Comment

Ms. Stewart opened the floor to public comment. No public comments were provided.

### RAB Schedule

The RAB meetings are held from 7 to 9:00 p.m. at a location to be determined.

Tentatively scheduled RAB meetings for 2010 are:

- March 11, 2010
- May 13, 2010
- July 8, 2010
- September 9, 2010
- November 4, 2010

### Adjourn

The meeting was adjourned at 9:30 p.m., and Ms. Stewart thanked everyone for attending. Ms. Stewart can be contacted with any comments or questions:

- Ms. Kathy Stewart  
BRAC Environmental Coordinator, former NAS Moffett Field, BRAC PMO West;  
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**ACRONYM LIST**

ACHP – Advisory Council on Historic Preservation

BEC – BRAC Environmental Coordinator

BRAC – Base Realignment and Closure

EE/CA – Engineering Evaluation/Cost Analysis

EPA – U.S. Environmental Protection Agency

IRIS – Integrated Risk Information System

MROSD – Midpeninsula Regional Open Space District

NAS – Naval Air Station

NASA – National Aeronautics and Space Administration

OMB – Office of Management and Budget

ppb – Parts per billion

RAB – Restoration Advisory Board

SAP – Sampling and Analysis Plan

SHPO – State Historic Preservation Office

TCE – Trichloroethene

Water Board – San Francisco Bay Regional Water Quality Control Board

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,

Kathryn A. Stewart  
Navy Co-Chair,  
Former NAS Moffett Field RAB