

**FORMER NAVAL AIR STATION MOFFETT FIELD
RESTORATION ADVISORY BOARD MEETING
MOUNTAIN VIEW SENIOR CENTER
MOUNTAIN VIEW, CALIFORNIA
AUGUST 13, 2015**

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

Subject: RESTORATION ADVISORY BOARD MEETING MINUTES

The Restoration Advisory Board (RAB) meeting for Former Naval Air Station (NAS) Moffett Field was held on Thursday, August 13, 2015, at the Senior Center in Mountain View, California.

Community RAB Members in attendance:

Bill Berry, Gabriel Diaconescu, Rebecca Kohn, Libby Lucas, Diane Minasian, Bob Moss, Lenny Siegel, Steve Sprugasci, Peter Strauss, Greg Unangst, Dan Wallace, and Steve Williams

Regulatory Agency and Navy RAB Members in attendance:

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

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

Don Chuck (NASA), George Cook (Santa Clara Valley Water District), Mark Eldridge (Army Environmental Command [AEC]), Jim Davis (City of Sunnyvale), Kimberly Finch (NASA), Alex Hall (Google/Planetary Ventures), Carolyn Hunter (Tetra Tech), Beth Kercher (Helios), Lynne Kilpatrick (City of Sunnyvale), John Igoe (Google/Planetary Ventures), Steve Lombardi (63rd Army Reserve), and George Sloup (NASA)

Community Members in attendance:

Beth Bunnenberg, Alfredo Capps, Rodger Miller, and Tammy Skoog

WELCOME

Bill Berry (RAB Community Co-chair) opened the meeting at 7:00 p.m. and welcomed everyone in attendance. Mr. Berry reviewed the RAB agenda and asked for any additional topics. No additional items were suggested.

APPROVAL OF MEETING MINUTES

Scott Anderson (Navy RAB Co-chair) asked for corrections to or comments on the draft minutes for the February 12, 2015 RAB meeting. RAB member Bob Moss asked that more detail from the Navy's Five-Year Review presentation be added to the meeting minutes. Mr. Anderson said the Navy will provide some additional text on the basewide five-year review presentation by Navy Remedial Project Manager (RPM) Wilson Doctor at the February 12, 2015 meeting to the RAB members for their approval prior to finalizing the minutes.

NAVY ANNOUNCEMENTS

Mr. Anderson reviewed and handed out a document sign-up sheet, allowing RAB members to request copies of upcoming deliverables; see table below.

Document Sign-Up Table

<u>DOCUMENT</u>		<u>APPROXIMATE SUBMITTAL DATE</u>
1.	Final Treatability Study Work Plan for Site 28	July 2015
2.	Final Basewide Five-Year Review	September 2015
3.	Site 25 Vegetation Restoration Maintenance and Monitoring Year-3	October 2015

Mr. Anderson said he has taken a new position at the Base Realignment and Closure (BRAC) Office as a Deputy Base Closure Manager. Until the Navy fills his position on former NAS Moffett Field, Mr. Anderson will be balancing both roles. Once a new Base Environmental Coordinator (BEC) is determined for former NAS Moffett Field, the Navy will provide the new point of contact information to the RAB. Mr. Anderson said he hopes to introduce the new BEC to the RAB at the November 12, 2015 meeting.

Mr. Anderson said the Navy and NASA Headquarters have begun discussions on the future of operations and maintenance (O&M) over the last month. Currently the Navy is just sharing O&M information with NASA. Once a path forward is determined for the future of O&M at former NAS Moffett Field, the Navy will provide an update to the RAB.

EPA UPDATE ON ENVIRONMENTAL ISSUES MANAGEMENT PLAN (EIMP) ISSUED BY PLANETARY VENTURES (PV)

Alana Lee (EPA) and Elizabeth Wells (Water Board) provided an update on the EIMP that was issued by PV in March 2015. The EIMP is a document that provides information on the known environmental conditions within the area that PV is leasing from NASA and the procedures that need to be followed for future work at these areas. The EIMP provides details on the requirements and restrictions PV will need to be aware of so the ongoing remedial activities are not impacted at the installation restoration program sites. The EIMP is a living document that will be updated as conditions and remedial requirements change at the sites.

The EIMP was prepared by PV with input from NASA. The Draft EIMP was provided to the regulatory agencies for their comments. EPA and the Water Board reviewed the EIMP and provided information to PV on the necessary requirements to protect the remedies. If PV does not adhere to the requirements, they could assume liability under Superfund.

The EIMP was finalized on March 3, 2015. The Final EIMP and the regulatory agency letters are on the EPA website and Water Board's GeoTracker, which can both be accessed by the community.

- RAB member Peter Strauss said he reviewed the EIMP and the Leasing Agreement and asked if the Navy has provided NASA and PV with remedial action costs for the sites within the area PV is leasing. Mr. Anderson said the Navy has not reviewed the Leasing Agreement and has not provided information on remedial action costs. Ms. Wells said the EIMP does not include an outline of costs for future remediation or O&M. John Igoe (PV) said there are provisions listed in the EIMP if contamination is found in the future. Ms. Wells said there is also a flow chart in the EIMP regarding who to inform if a

future contamination issue is identified. The regulatory agencies will continue to be involved in the future of the site and will make sure that all restrictions and land use controls (LUCs) are met.

- RAB member Lenny Siegel asked if any outstanding issues on the EIMP or future O&M have come up. Mr. Anderson said the Navy is responsible for ensuring the restrictions and O&M are being completed on their sites until a path forward is determined by the Navy and NASA Headquarters.
- Mr. Siegel asked for an update on the future reskinning and use of Hangar 1. Mr. Igoe said NASA has granted PV the due diligence to get Hangar 1 slated for reuse. PV has started conducting seismic research and will determine a path forward for the O&M and reskinning process, including what material will be used. Mr. Siegel asked if PV can provide information on the reskinning process and materials they are considering. Mr. Igoe said PV has considered five different materials for reskinning Hangar 1. Mr. Siegel asked if PV has plans to address residual contamination on the frame of the hangar. Mr. Igoe confirmed PV is evaluating the frame and said that there is language in the Leasing Agreement that commits them to residing and reuse of Hangar 1.
- Mr. Siegel asked if NASA has an update on the Federal Facility Agreement (FFA) and the Community Involvement Plan (CIP) to provide to the RAB. Kim Finch (NASA) said the FFA and CIP have been issued to the regulatory agencies as draft documents. NASA interviewed various stakeholders a few months ago for the draft CIP. NASA will be providing more updates to the community on upcoming activities. The FFA and CIP will be available to the community once NASA addresses regulatory agency comments and finalizes the documents.
- Mr. Berry asked about the timeline for PV to create an educational facility on the area they have leased. Mr. Hall said PV has committed to building an educational facility that pairs with the mission of NASA Ames. PV is in the preliminary stages of determining the type of educational facility and where it will be located.
- A community member asked if there are plans to protect the siding of Hangar 1 for the winter since it is projected to be an El Nino year with heavy rain. Mr. Anderson said the Navy is performing the third year of inspections for the coating on the frame of the hangar. No special requirements in regards to covering the siding are necessary. During the winter NASA is responsible for watching and managing ponding on the concrete and in the elevator vaults to mitigate any potential issues due to wet weather.
- Mr. Siegel asked what the future operation plans are for the golf course. Mr. Hall said that PV is in the process of making improvements and the golf course will operate as it is currently.

EPA GROUNDWATER AND VAPOR INTRUSION (VI) UPDATES

Ms. Lee provided an update on the work EPA has been doing at the Middlefield Ellis Whisman (MEW) Superfund Study Area. Ms. Lee reviewed the history of the study area and the VI studies and the residential areas that were sampled in 2013 and 2014. Ms. Lee said all new homes that are built over the MEW Superfund Study Area (trichloroethene [TCE] shallow subsurface contamination) will have the appropriate VI control systems installed. Ms. Lee said the next step for the project is to continue characterizing the possible TCE source areas and hot spots. EPA has teamed with the University of Kentucky to conduct a sewer pathway study in the area. EPA is also conducting an ongoing investigation for potentially responsible parties (PRP).

- Mr. Siegel asked if the sewer lines being impacted will change the Superfund site boundary and the potential for additional PRPs. Ms. Lee said EPA has not determined the extent of the groundwater plume boundary and impact from historical TCE releases to the sewer. EPA will provide the

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community an update about the groundwater plume boundary and the TCE hot spot areas as more information becomes available.

Ms. Lee said EPA has issued the third Five-Year Review for the MEW Superfund Study Area. A follow up action is to complete a focused feasibility study (FFS) to evaluate remedial alternatives that can meet the remedial action objective (RAO) for the VI remedy. The FFS will provide a framework to address the VI RAO outlined in the 2010 Record of Decision (ROD) Amendment for the MEW Superfund Study Area. The FFS will target remediation of TCE in shallow soil and groundwater where there is a higher potential for VI risk.

- Mr. Strauss asked if there is a placeholder in the FFS for monitoring natural attenuation. Ms. Lee said the FFS will target high concentration areas and utilize active remediation methods, as needed. EPA is assessing establishment of soil gas levels to target in the subsurface soil to minimize VI risk. Ms. Lee said EPA is working closely with the MEW parties and the stakeholders to evaluate cleanup options and solicit input as the cleanup continues.
- Don Chuck (NASA) asked how the FFS will impact current remedies that are already in place like the West-Side Aquifers Treatment System (WATS). Ms. Lee said the current remedies will likely continue to be used and optimized as long as the pump and treat system is effective in controlling and cleaning up the groundwater plume.

As more information is determined, EPA will provide updates to the community. In the meantime, if anyone is interested in more information on the MEW Superfund Study Area they can visit the following EPA websites:

- www.epa.gov/region9/mew
- www.epa.gov/region9/moffettfield

More information can also be obtained by contacting Alana Lee, EPA Project Manager, at lee.alana@epa.gov or (415) 972-3141.

EPA TECHNICAL ASSISTANCE GRANT (TAG) FOR NAS MOFFETT FIELD SUPERFUND SITE

Mr. Siegel said that Mr. Strauss has been the TAG consultant who provides support to the Center for Public Environmental Oversight (CPEO) and the RAB by reviewing and commenting on documents for former NAS Moffett Field, the MEW Superfund Site, NASA's Leasing Agreement with PV, VI issues, Hangar 1 and groundwater remediation. The TAG ends in 2017 and Mr. Siegel and Mr. Strauss are working on the grant renewal paperwork. Mr. Siegel said that any project that conflicts with his position on the Mountain View City Council in regards to Mr. Strauss' work will be coordinated directly through others.

PUBLIC COMMENT / QUESTION PERIOD

Mr. Anderson opened the meeting for questions or comments from the public.

- Community member Tammy Skoog asked if there is any status change for the Moffett Federal Airfield (MFA) due to the lease with PV. Mr. Chuck said there is no change in the operation of MFA, except that PV is now overseeing the airfield instead of NASA. Ms. Skoog asked if the change in oversight will modify the Federal Aviation rules for the airfield. Mr. Chuck said the requirements for number of flights at MFA will remain the same. Mr. Siegel said there is an annual limit of 25,000 flights for MFA.
- Mr. Moss said he would like to see more updates from PV on the progress on their sites and the path forward for residing and reuse of Hangar 1. Mr. Strauss asked that PV begin to regularly participate in

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the RAB meetings now they have a Lease Agreement with NASA. Mr. Berry made a motion to request that PV provide a regular attendee to the RAB meetings as a stakeholder. The RAB unanimously approved the request that PV is invited to become a regular attendee and stakeholder of the RAB.

- Mr. Williams said the RAB should make sure they are conducting outreach on all of the information they are receiving from the Navy, NASA, and the regulatory agencies at these meetings.
- Mr. Siegel said it was good to have residents from Wescoat attend the last RAB meeting in February 2015 looking for information on VI and if there are risks to the residents. Mr. Siegel said he wanted to suggest to the Army that it provide a move-in package on the cleanup work that has been done for each new family that moves into Wescoat.
- Community member Beth Bunnenberg asked if there is a specific flight path for planes landing at MFA. Mr. Chuck confirmed there is a specific flight path for former NAS Moffett Field. Mr. Williams said there is specific FAA guidance for the Bay Area that is available for the public to access if anyone wants to see it.
- Ms. Skoog said that Palo Alto is working with San Francisco and San Jose on the future of air flight and congestion of air traffic in the Bay Area. Ms. Skoog is working with Congresswoman Anna Eshoo's office to address the needs for additional airspace for the Bay Area.

FUTURE RAB MEETINGS

Mr. Anderson asked for future RAB topics. Suggestions for future RAB topics were PV updates, NASA updates, and the Navy's groundwater field work at Sites 26 and 28. Mr. Anderson said he can be contacted for future RAB topic suggestions via e-mail or phone.

The next RAB meeting is tentatively scheduled for Thursday, November 12, 2015.

ADJOURN

Mr. Anderson thanked all present for attending. The meeting was adjourned at 9:00 p.m.

The Navy can be contacted with any comments or questions:

Mr. Scott Anderson

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ACRONYM LIST

BRAC – Base Realignment and Closure

BEC – Base Environmental Coordinator

CIP – Community Involvement Plan

Former NAS Moffett Field

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CPEO – Center for Public Environmental Oversight
EPA – U.S. Environmental Protection Agency
EIMP – Environmental Issues Management Plan
FFA – Federal Facility Agreement
FFS – Focused Feasibility Study
LUC – Land Use Controls
MEW – Middlefield-Ellis-Whisman
MFA – Moffett Federal Airfield
NAS – Naval Air Station
NASA – National Aeronautics and Space Administration
O&M – Operation and Maintenance
PRP – Potentially Responsible Party
PV – Planetary Ventures
RAB – Restoration Advisory Board
RAO – Remedial Action Objective
ROD – Record of Decision
RPM – Remedial Project Manager
SVE – Soil Vapor Extraction
TAG – Technical Assistance Grant
TCE – Trichloroethene
VI – Vapor Intrusion
WATS – West-Side Aquifers Treatment System
Water Board – San Francisco Bay Regional Water Quality Control Board

RAB meeting minutes are posted on the Navy's environmental website at:
http://www.bracpmo.navy.mil/brac_bases/california/former_nas_moffett_field.html

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