

**MEETING MINUTES  
RESTORATION ADVISORY BOARD  
NAVAL WEAPONS STATION, SEAL BEACH DETACHMENT, CONCORD  
CONCORD, CALIFORNIA  
FEBRUARY 2, 2005**

These minutes reflect general issues raised, agreements reached, and action items identified at the Restoration Advisory Board (RAB) meeting for Naval Weapons Station (NWS) Seal Beach Detachment, (SBD) Concord, California. The meeting was held from 6:30 p.m. to 8:30 p.m. on February 2, 2005, at the Concord Police Department Community Room in Concord, California. Agreements and action items are described by topic under Sections I through V and are summarized in Section VI. A list of participants and their affiliations is included as Attachment A, and the meeting agenda is included as Attachment B.

**I. WELCOME, INTRODUCTIONS, PUBLIC COMMENT, AND AGENDA APPROVAL**

**Welcome and Introductions**

The RAB Community Co-chair, Mary Lou Williams (Concord resident), called the RAB meeting to order and initiated a round of introductions for attendees.

**Public Comments**

Ms. Williams opened the floor to public comments. No public comments were offered.

**March 2005 RAB Agenda Approval**

Margaret Wallerstein, PhD (Navy RAB co-chair), reviewed the proposed agenda for the March 2005 RAB meeting, which will take place at the Concord Police Department Community Meeting Room in Concord, California. The Navy plans to provide a presentation on the Litigation Area treatability study sampling and analysis plan (SAP). Phillip Ramsey (U.S. Environmental Protection Agency [EPA]) asked if the Navy plans to provide the agencies with a response to comments (RTC) on the Litigation Area treatability study SAP in advance of the RAB presentation. Steve Tyahla (Navy) confirmed that the agencies would receive the RTC and that communications would be made to resolve any agency comments on the Litigation Area treatability study SAP before the next RAB meeting. Mr. Tyahla said that the final Litigation Area treatability study SAP is scheduled to be issued after the March 9 RAB meeting.

Ms. Wallerstein said that she had revised the March 2005 RAB agenda to include other business under the "RAB report" to clarify that RAB members have this part of the agenda to make announcements to the group. Ms. Wallerstein reminded the RAB that the March meeting would take place on the second Wednesday of the month, March 9, 2005. She asked the RAB to approve the March 2005 agenda. The RAB approved the agenda.

Ms. Williams reminded the RAB to review the 2005 schedule of proposed presentation topics for RAB meetings and provide Ms. Wallerstein any comments.

**II. JANUARY RAB MEETING MINUTES APPROVAL**

Ms. Wallerstein asked the RAB if there were any comments on the meeting minutes for January 5, 2005. No comments were offered. Ms. Wallerstein asked the RAB for approval of the January 2005 RAB

meeting minutes. The January 2005 RAB meeting minutes were approved.

**Action Item**

1. The Navy will distribute the final January 5, 2005 RAB meeting minutes.

**III. COMMITTEE REPORTS AND ANNOUNCEMENTS**

**RAB Co-Chair Update**

Ms. Williams announced that Lisa Anich (Friends of Mount Diablo Creek) had submitted an application to become a RAB member. Ms. Williams distributed Ms. Anich's application to the RAB for review. Ms. Williams called for a RAB vote to approve Ms. Anich's application. The RAB voted and approved Ms. Anich as a new RAB member.

Ms. Williams announced that Jessica Hamburger (Contra Costa Resource Conservation District [CCRCDD]) had also submitted an application to become a RAB member. Ms. Williams distributed Ms. Hamburger's application to be reviewed by the RAB. The RAB reviewed the application and Ms. Williams called for a vote. The RAB voted and approved Ms. Hamburger as a new RAB member.

**IV. REMEDIAL PROJECT MANAGERS (RPM) UPDATE**

**Navy Update**

Mr. Tyahla reviewed the Navy RPM update (Attachment D). Mr. Tyahla said that the RPMs went on a site visit on January 14, 2005, to view Seal Creek/Mt. Diablo Creek and Site 22.

Mr. Tyahla said the Navy has completed installation of fencing around Litigation Area Remedial Action Subsite (RASS) 4, and new warning signs have been posted to keep trespassers out of that area. Ray O'Brien (Bay Point resident) asked why the Navy has not installed fencing near the gully area by the General Chemical property. Mr. Tyahla responded that General Chemical, or Honeywell (unsure who) installed some fencing in that area to limit trespassing, but that area is not Navy property.

Mr. Tyahla announced that the RAB site visit to view Seal Creek/Mt. Diablo Creek and Site 22 would take place on Saturday, February 19, 2005, rain or shine. Participants should meet in the parking lot in front of the badge and pass office at 10:00 a.m. Ms. Hamburger stated that she is interested in participating in the tour of Site 22. Mr. Tyahla said that any RAB member who is interested in attending the tour needs to notify him so that he can obtain clearance through base security.

Greg Glaser (Danville resident) said that he was interested in knowing whether the agencies and Navy had agreed on a map of potential sampling locations for Seal Creek/Mt. Diablo Creek. Mr. Tyahla said that after the site visit on January 14, 2005, the RPMs have better identified the best locations to collect sediment samples, but a sample location map has not yet been developed. Mr. Tyahla said that he would provide a map of Site 22 that indicated areas of interest for the site visit participants. Mr. Ramsey said that EPA better understands the site after the RPM site visit, and generally agrees with the sampling points the Navy has recommended.

Mr. Glaser asked whether Navy has made any progress with the upcoming Site 22 offsite sampling plan.

Mr. Tyahla stated that the Navy is currently seeking funding to prepare a work plan for the sampling. The Navy will provide an update to the RAB once the project begins. Mr. Glaser asked if the Navy knows the water flow rate at Seal Creek through Site 22 and then off the base into the residential area. Mr. Tyahla said that the Navy has not measured flow in Seal Creek, and does not plan to because it will not address the question of whether arsenic has been transported from Site 22 to the creek. Igor Skaredoff (Martinez resident) asked if an entire map of Seal Creek is available that indicates storm drains. Mr. Tyahla responded that the Navy does not have such a map; most of Seal Creek is off Navy property. David Griffith (City of Concord) suggested that the Navy may contact the City of Concord Public Works Department, which has maps of all of the storm water drains throughout the city. If the Navy is interested, Mr. Griffith can find a contact in the City of Concord Public Works Department.

**Action Item**

2. RAB members interested in attending the Site 22 tour on February 19, 2005, need to notify Mr. Tyahla to obtain security access.
  
3. Mr. Tyahla will provide the RAB members attending the February 19, 2005 Site 22 visit with a map indicating areas of interest.

**San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Update**

A written SFBRWQCB RPM update was distributed to the RAB and is included in Attachment D. Laurent Meillier (SFBRWQCB) provided a list of RPM meetings he attended in January 2005, which include:

- Christenbury Pipeline removal meeting with Theresa Morley (Navy) on January 13, 2005
- Underground Storage Tank (UST) RPM meeting on January 13, 2005
- Monthly RPM meeting on January 13, 2005

Mr. Meillier said that he received an e-mail notification from the City of Concord on January 13, 2005, regarding its intent to move the base property line. Mr. Meillier will contact the City of Concord to receive more information on the urban limit boundary changes.

Mr. Meillier said that during the January UST meeting the RPMs discussed the soil removal required by a total petroleum hydrocarbon (TPH) release at Site E108 and the upcoming closure of the UST at A3A.

Mr. Meillier stated that SFBRWQCB collected five water samples in Seal Creek during the Site 22 visit. Mr. Meillier will have the results from the Seal Creek sampling by the middle of February 2005. Mr. Meillier will provide the RAB the SFBRWQCB sampling results from Seal Creek once they are available.

Mr. Meillier said that SFBRWQCB provided the Navy with comments on the Litigation Area treatability study sampling and analysis plan (SAP) in January 2005.

In addition, Mr. Meillier said that SFBRWQCB and EPA management met and the agencies are recommending that the Navy measure hydraulic conductivity at the perimeter of the Site 1 Tidal Area Landfill. Mr. Glaser asked what type of perimeter characterization would satisfy the requirements of containing landfill waste. Mr. Meillier said that the Navy should evaluate the hydraulic conductivity of the site soil that underlies the landfill.

Mario Menesini (Walnut Creek resident) asked how much of the geology of NWS SBD Concord has been characterized. Mr. Meillier replied that SFBRWQCB has general information on the geology of the base. Mr. Tyahla also said that for sites investigated under the Installation Restoration Program, the Navy produces logs with geological information during installation of monitoring wells or soil borings. Mr. Menesini said that he has seen geological maps of the area before the Navy owned the property and offered them if the RPMs were interested in reviewing them.

#### **Action Item**

4. Mr. Meillier will provide the RAB the SFBRWQCB sampling results from Seal Creek once they are available.

#### **Department of Toxic Substances Control (DTSC)**

Jim Pinasco (DTSC) said that DTSC submitted comments to the Navy for the California Department of Fish and Game (CFDG) on the Litigation Area treatability study SAP and the draft Site 30 engineering evaluation/cost analysis (EE/CA). The RAB requested a brief summary of the CFDG comments from DTSC and asked that more detail be provided in future RPM reports.

#### **U.S. Environmental Protection Agency (EPA) Update**

Mr. Ramsey distributed EPA's comments on the Site 31 Remedial Investigation (RI) SAP and work plan, dated December 16, 2004.

The RPMs will meet on February 10, 2005, to discuss agency comments on the draft SAP.

EPA submitted comments on the Litigation Area treatability study SAP to the Navy. Mr. Ramsey said that the Litigation Area treatability study SAP was a good starting point for future work at the site. EPA is researching private dredging companies for the Navy to contact to make sure the appropriate technology is used at the Litigation Area. Mr. Ramsey said that he would like the Navy to consider adding costs into the treatability study for waste stabilization.

EPA also submitted comments in January 2005 to the Navy on the Site 30 EE/CA.

#### **EPA Update on the Site 13 Off-site Sampling**

Mr. Ramsey said that EPA collected samples for analysis of perchlorate near the intersection of Olivera Road and Willow Pass Road in December 2004. He distributed maps to depict the sample locations and data tables to summarize results (included as Attachment E). Perchlorate is a component of rocket fuel. Mr. Ramsey reviewed the history of Navy work at Site 13, where low levels of perchlorate have been detected in groundwater. In June 2003, the Navy sampled four wells at Site 13 and submitted a SAP for additional groundwater investigation at the site for agency review later that year. The Navy proposed to install four additional wells at the site for sampling. In 2004, EPA recommended that the Navy collect samples off site from existing monitoring wells located in Willow Pass Park as well as the Runway Area to test for perchlorate.

In December 2004, EPA collected two groundwater samples at Willow Pass Park and one surface water sample at the Runway Area. Sampling results are included in Attachment E. The public health goal for

perchlorate in California 6 parts per billion (ppb), and EPA's perchlorate standards range from 4 to 18 ppb.

Libby Vianu (Agency for Toxic Substances and Disease Registry [ATSDR]) said that perchlorate is a salt that can quickly enter groundwater. Mr. Skaredoff asked whether children at Willow Pass Park could be exposed to perchlorate through contact with grass. Ms. Wallerstein responded that perchlorate is not known to be a skin irritant, but must be ingested to enter the human body where it acts on the thyroid.

**V. OVERVIEW OF DRAFT FEASIBILITY STUDY SOLID WASTE MANAGEMENT UNIT (SWMU) SITES 2, 5, 7, AND 18**

Jerry Wickham (Tetra Tech EM Inc. [TtEMI]) provided an overview of the draft feasibility study (FS) for the SWMU Sites 2, 5, 7, and 18. The presentation is included as Attachment F.

After Mr. Wickham's presentation, Mr. Skaredoff asked about the final by-products of the bioremediation process. Mr. Wickham replied that the dechlorination process would eventually lead to chloride and ethane, along with some unspecified metabolic by-products such as carbon dioxide. Mr. Wickham said that the Navy would most likely want to conduct a pilot study before full-scale implementation of enhanced bioremediation. This pilot study would further evaluate the performance of enhanced bioremediation under the site-specific conditions at SWMU sites 2, 5, 7, and 18 and optimize the enhanced bioremediation alternative to fit the site-specific conditions. Enhanced bioremediation has been successfully used at many sites with volatile organic compounds in groundwater, but a pilot test should be conducted to assure success and optimize performance.

**VI. NEXT MEETING AND ACTION ITEMS**

The next RAB meeting will occur from 6:30 to 8:30 p.m. on Wednesday, March 9, 2005, at the Concord Police Department Community Meeting Room in Concord, California.

The following action items and agreements were generated during the RAB meeting on February 2, 2005:

#	Action Item	Target Date for Completion	Completion Date (or Status)
1	The Navy will distribute the final January 5, 2005 RAB meeting minutes.	3/9/05	
2	RAB members interested in attending the Site 22 on February 19, 2005 need to notify Mr. Tyahla to obtain security access.	2/19/05	Completed
3	Mr. Tyahla will provide the RAB members attending the February 19, 2005, Site 22 tour with a map of the proposed sampling points for reference.	2/19/05	
4	Mr. Meillier will provide the RAB the SFBRWQCB sampling results from Seal Creek once they are available.	3/9/05	Completed

**ATTACHMENT A**

**ATTENDEES AND AFFILIATIONS**  
**RESTORATION ADVISORY BOARD MEETING**  
**NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD, CALIFORNIA**

**FEBRUARY 2, 2005**  
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**ATTENDEES AND AFFILIATIONS  
RESTORATION ADVISORY BOARD MEETING  
NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD, CALIFORNIA**

**FEBRUARY 2, 2005**

<u>Name</u>	<u>Affiliation</u>	<u>Telephone</u>
Wayne Akyama	Shaw Environmental	(925) 288-2003
Lisa Anich*	Friends of Mount Diablo Creek	(925) 689-2642
Joanna Canepa	TtEMI	(425) 673-3652
David Cooper	EPA	(415) 972-3237
Gregory Glaser*	Danville Resident	(925) 363-5570
David Griffith*	City of Concord	(925) 671-3427
Jessica Hamburger*	CCRCD	(925) 672-6522 X118
Carolyn Hunter	TtEMI	(415) 222-8297
Laurent Meillier	SFBRWQCB	(510) 622-2440
Mario Menesini*	Walnut Creek Resident	(925) 935-1168
Ray O'Brien*	Bay Point Resident	(415) 385-9220
Jim Pinasco	DTSC	(619) 255-3719
Phillip Ramsey	EPA	(415) 972-3006
Igor Skaredoff*	Martinez Resident	(925) 229-1371
Michelle Trotter	DTSC	(916) 255-6441
Steve Tyahla	IPT West	(650) 746-7451
Libby Vianu	ATSDR	(415) 947-4319
Margaret Wallerstein	Navy RAB Co-chair	(562) 626-7838
Jerry Wickham	TtEMI	(415) 222-8207
Mary Lou Williams*	RAB Community Co-chair	(925) 685-1415

Notes:

ATSDR	Agency of Toxic Substances Disease Registry
DTSC	Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
IPT West	U.S. Navy Integrated Project Team West
RAB	Restoration Advisory Board
TtEMI	Tetra Tech EM Inc.
SFBRWQCB	San Francisco Bay Regional Water Quality Control Board
*	Community RAB Member

**ATTACHMENT B**

**AGENDA  
RESTORATION ADVISORY BOARD MEETING  
NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD, CALIFORNIA**

**FEBRUARY 2, 2005**  
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DRAFT AGENDA

NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD  
RESTORATION ADVISORY BOARD MEETING

Wednesday, February 2, 2005

6:30 p.m. – 8:30 p.m.

Concord Police Department Community Room  
1350 Galindo Street  
Concord, CA 94520

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- 6:30 – 6:40      Call to Order
- Welcome
  - Introductions
  - Public Comments
  - March Agenda Approval
- Lead: Community Co-chair
- 6:40 – 6:50      Approval of January 5, 2005 Meeting Minutes  
Review Unresolved Business  
Lead: Navy Co-chair
- 6:50 - 7:30      Committee Reports/Announcements
- RAB Report
  - Remedial Project Managers' Update (Navy/EPA/DTSC/RWQCB)
- 7:30 – 7:40      Break
- 7:40 – 8:30      SWMU's 2, 5, 7, 18 Draft Feasibility Study Report
- 8:30              Adjourn

**ATTACHMENT C**

**ACTION ITEM TABLE FROM THE JANUARY 5, 2005  
RESTORATION ADVISORY BOARD MEETING  
NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD, CALIFORNIA**

**FEBRUARY 2, 2005**

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**ACTION ITEMS**  
**RESTORATION ADVISORY BOARD (RAB) MEETING**  
**NAVAL WEAPONS STATION SEAL BEACH, DETACHMENT CONCORD,**  
**CONCORD, CALIFORNIA**  
**February 2, 2005**

The following action items and agreements were generated during the RAB meeting on January 5, 2005:

#	Action Item	Target Date for Completion	Completion Date (or Status)
1	The Navy will distribute the final RAB minutes for the meeting held November 8, 2004.	2/2/05	01/14/2005
2	Ms. Williams will provide Ms. Wallerstein a copy of the Navy's response to RAB community co-chair comments from the July 2004 conference in Salt Lake City, Utah, to Ms. Wallerstein to distribute to the RAB via e-mail.	2/2/05	An update will be provided on 02/02/05
3	Mr. Tyahla will coordinate with the RAB via e-mail to determine an acceptable date for the Site 22 visit.	2/2/05	Scheduled for Saturday, 02/19/05, 10:00 a.m.
4	Ms. Wallerstein agreed to look into whether interested community members who are regular attendees of the RAB would be able to accompany the RAB on a Site 22 visit.	2/2/05	01/10/2005 (regular RAB attendees may attend the Seal Creek site tour)
5	Mr. Ramsey will present the data results of EPA's Site 13 off-site sampling at the February 2005 RAB meeting.	2/2/05	An update will be provided on 02/02/05

**ATTACHMENT D**

**NAVY RPM AND SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL  
BOARD REMEDIAL PROJECT MANAGER'S UPDATES  
RESTORATION ADVISORY BOARD MEETING  
NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD, CALIFORNIA**

**FEBRUARY 2, 2005**  
(3 Pages)

**NAVY AND SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL  
BOARD REMEDIAL PROJECT MANAGER'S UPDATE**

**(This will be inserted once the meeting minutes are final)**

**ATTACHMENT E**

**MAPS AND SAMPLING RESULTS FROM THE SITE 13 ENVIRONMENTAL  
PROTECTION AGENCY (EPA) OFF-SITE SAMPLING  
RESTORATION ADVISORY BOARD MEETING  
NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD, CALIFORNIA**

**FEBRUARY 2, 2004  
(X PAGES)**

**MAPS AND SAMPLING RESULTS FROM THE SITE 13 ENVIRONMENTAL PROTECTION  
AGENCY (EPA) OFF-SITE SAMPLING**

**(This will be inserted once the meeting minutes are final)**

**ATTACHMENT F**

**OVERVIEW OF THE DRAFT FEASIBILITY STUDY SOLID WASTE MANAGEMENT  
UNITS SITES 2, 5, 7, AND 18 PRESENTION  
RESTORATION ADVISORY BOARD MEETING  
NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD, CALIFORNIA**

**FEBRUARY 2, 2004**  
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**OVERVIEW OF THE DRAFT FEASIBILITY STUDY SOLID WASTE MANAGEMENT UNITS  
SITES 2, 5, 7, AND 18 PRESENTION**

**(This will be inserted once the meeting minutes are final)**