

**MINUTES OF THE NOVEMBER 20, 1997 RESTORATION ADVISORY BOARD  
NAVAL WEAPONS STATION CONCORD**

**Ambrose Community Center  
3105 Willow Pass Road  
Bay Point, California**

**I. Welcome and Introduction**

The Naval Weapons Station (NWS) Concord Restoration Advisory Board (RAB) met on Thursday, November 20, 1997, at the Ambrose Community Center in Bay Point, California. Mr. Steve Gallo, the RAB community co-chair, opened the meeting at 7:15 p.m. The agenda and the sign-in sheet from the meeting are attached to these minutes (see Attachment A).

**II. Approval of October RAB Meeting Minutes**

Mr. Gallo solicited comments on the minutes from the RAB meeting on October 16, 1997. No comments were raised, and the minutes were approved as distributed.

**III. Community Co-Chair's Report**

In his co-chair's report, Mr. Gallo reminded RAB members that no RAB meeting is scheduled for the month of December and that beginning in January, RAB meetings will be held at a new location in the Mount Diablo Medical Center. Attachment B presents a vicinity map of the medical center. Meeting attendees can also call (510) 674-2160 for directions to the medical center. Attachment C contains the agenda for the January 1998 RAB meeting.

Mr. Gallo also mentioned that the Association of Bay Area Governments (ABAG) has a web site that provides cities and non-profit organizations with a forum for exchanging information. Mr. Gallo suggested that the RAB consider looking into establishing a web site as a link to the ABAG web site. He also stated that the China Lake RAB has a web site that provides access to agendas and minutes from RAB meetings as well as resumes for all RAB members. The RAB discussed the possibility of obtaining information or seeking training on the subject of setting up a web page. Participants agreed that a web site would facilitate media access to the RAB's status and other issues. Mr. Ed Gardner said that he would raise the issue with the public relations (PR) committee at its next meeting. Mr. Gardner stated that the PR committee was planning to hold a meeting before the January RAB meeting.

**IV. RAB Comments on the Tidal Area Landfill Feasibility Study**

Mr. Gallo reviewed written comments on the Tidal Area Landfill Feasibility Study (FS) provided by several RAB members (see Attachment D). Mr. Santana announced that the comment period for the FS had been extended to Monday, December 15, 1997; the extended comment period will accommodate RAB members who were not able to provide comments within the original timeframe.

Mr. Gallo stated that, in general, the RAB members who reviewed the FS report found the document to be somewhat repetitive. Mr. John Bosche responded that the FS report format was based upon relevant federal guidance documents.

Mr. Bosche asked some clarifying questions (1) to ensure that he adequately understood the intent of the RAB's comments and (2) to facilitate the Navy's response to comments. Mr. Bosche asked for clarification on the recommendation that the wood hogger be relocated. Mr. Tom Shirley had suggested moving wood chipping operations to the landfill to integrate monitoring of the wood hogger site with the monitoring of the landfill runoff. Mr. Stan Heller stated that the wood hogger is used strictly for chipping untreated, unpainted wood. The resulting dunnage no longer contains any contaminants. NWS Concord subcontracts all of the wood chipping operations and in recent times, all of the work has been performed off site. Mr. Santana stated that the former wood hogger site Installation Restoration [IR] Site 11 (IR11) is being investigated as a result of practices conducted 20 to 30 years ago. The remedial investigation is not completed yet for the wood hogger site.

Mr. Gallo stated that the FS report contains numerous references to a "master plan." He asked about the source, condition, and date of the document. Mr. Santana responded that during military build out, master plans play an important role in the strategy and implementation of Navy construction projects; and he was unaware if the plans are still maintained. Mr. Santana was uncertain if the referenced document has been updated.

Mr. Gallo asked where the FS report will address metals concentrations that exceed background. Mr. Bosche said that he will find out and report back at a later date. Mr. Heller added that the concentrations concept of background metals is based upon a statistical evaluation.

Mr. Gallo requested that the Navy clarify whether or not the landfill is located on a flood plain. Mr. Shirley asked about the types of soil materials to be placed at the landfill during construction of a cap. Mr. Bosche explained that the detailed design of the cap will be performed at a later date and that the cap will be designed specifically to protect human health and the environment. Mr. Bosche also stated that, currently, no contaminants are migrating from the landfill. Mr. Shirley asked about the membrane portion of the landfill cap. Mr. Bosche explained that the membrane is one of the parts of a multilayered cap and that the overall weight of the landfill cap is a design consideration for the landfill closure. Any cap is expected to cause the landfill to settle. Multilayered caps are both heavier and more expensive than traditional designs, and they do not necessarily increase the level of protection or add other benefits to the design. Mr. Bosche stated that the purpose of the FS is to conduct a formal analysis of the remedial alternatives for the purpose of determining the preferred remedial design.

Ms. Sylvia Kotecki stated that she is concerned about live munitions that may be present in the landfill; she asked if the weight of the cap would endanger workers in the area. Mr. Bosche assured her that health and safety issues would be a primary concern and that a certified industrial hygienist will be working closely with the project team. Mr. Heller added that due to possible presence of unexploded ordnance (UXO), appropriate precautions will be taken.

Mr. Ed Gardner asked if tests were conducted to determine if radioactive material is present at the site. Mr. Heller stated that storm water runoff was tested for gross alpha and beta particles. Mr. Santana stated that a radiological survey was conducted at the landfill. Mr. Bosche added that radium dials were found at Hunters Point Shipyard and Mare Island, but there was no record

of high level radioactive waste disposal at the landfills of the Navy's San Francisco Bay Area facilities.

Mr. Santana stated that the Navy would prepare a presentation to address the RAB's comments on the Tidal Area Landfill FS report.

#### **V. Discussion of Community Contact**

Mr. Gallo initiated a discussion on soliciting new RAB members. Mr. Heller stated that he has a list that identifies 50 individuals who initially applied for membership when the RAB was originally established. Some of those individuals are still active participants; some are no longer attending RAB meetings. Mr. Heller suggested that a possible approach would be to contact former RAB members. Mr. Heller also has access to an electronic file containing the names of the individuals who attended the site tour in April 1996. Mr. Rich Pieper, the former Navy RAB co-chair, has been reluctant to use the list for a targeted membership drive. Mr. Heller proposed that the list be used to disseminate information to potentially interested parties, not to solicit membership. Mr. Heller also recommended that the RAB contact individuals who have previously attended meetings as nonmembers.

The RAB discussed generating an address list of about 100 individuals to conduct a directed mailing. The PR committee will adapt the announcement mailed out with the October RAB meeting minutes for use as a flyer to publicize the opportunity for RAB participation.

#### **VI. Status of Ongoing Work and Update of Report Deliverable Dates**

Mr. Santana provided a line-by-line update of the schedule of investigations, cleanup activities, and deliverable dates. Changes to the schedule are summarized below.

##### Inland Area

- The remedial investigation report was submitted on October 15, 1997, and was considered final as of November 14, 1997.
- The napalm cleanup report will be completed on January 7, 1998.
- The start date for the draft no-action proposed plan/record of decision (ROD) for IR13 has changed to November 14, 1997 and should be completed in early 1998.
- The fourth quarter of quarterly sampling at IR22 will be conducted on December 2, 1997

##### Tidal Area

- The Navy's responses to agency comments on the landfill FS will be completed on February 16, 1998
- Planning for the wood hogger removal (if necessary) is scheduled to begin in late February 1998.

- Planning for the Taylor Boulevard bridge debris area removal action including an engineering evaluation/cost analysis and action memorandum is scheduled to begin on December 15, 1997.

#### Litigation Area

- The draft year 3 monitoring report will be completed on January 14, 1998.

#### **VII. Open Public Comment Period**

Mr. Gallo opened the floor to public comment and general questions. Mr. Rich Purdue asked if a copy of the original landfill report that was prepared by IT Corporation and referenced in the FS for the Tidal Area landfill could be made available for his review. Mr. Heller stated that he would attempt to locate a copy of the document and place it in the Badge and Pass Office where it would be accessible for review. Mr. Santana offered his assistance if Mr. Heller could not locate a copy.

#### **VIII. Future Agenda Items and Adjournment**

Mr. Gallo solicited agenda items for future RAB meetings. Two items were raised: (1) a presentation on wetlands by a Regional Water Quality Control Board representative and (2) an update on the napalm removal by the Navy.

Mr. Gallo adjourned the meeting at 9:00 p.m. The next regularly scheduled RAB meeting will take place on Thursday January 15, 1998, at 7:00 p.m. at the Mount Diablo Medical Center (see Attachment B).

**ATTACHMENT A**

**Agenda and Sign-In Sheet  
NWS Concord Restoration Advisory Board Meeting  
November 20, 1997**



**DRAFT AGENDA  
NAVAL WEAPONS STATION CONCORD  
RESTORATION ADVISORY BOARD MEETING**

**Thursday, November 20, 1997**

**7:00 - 9:00 p.m.  
Ambrose Community Center  
3105 Willow Pass Road  
Bay Point, California**

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- 7:00 - 7:05 Welcome and Introduction
- 7:05 - 7:10 Community Co-Chair's Report - Steve Gallo
- 7:10 - 7:15 Approval of Restoration Advisory Board (RAB) Meeting Minutes
- 7:15 - 7:35 RAB Provides Comments on Tidal Area Landfill Feasibility Study (if any)
- 7:35 - 7:50 Discussion of Community Contact - Steve Gallo
- Future Meeting Notice Mailing
  - Address Database; Update and Development
- 7:50 - 8:00 Status of Ongoing Work and Update of Report Deliverable Dates - Roy Santana
- 8:00 - 8:10 Break
- 8:10 - 8:40 Wetlands Presentation (if able to be scheduled) - Susan Gladstone representative
- Wetland Creation
  - Transport of Contaminants (specific to Concord sites)
    - physical via sediment and surface water
    - ecologically through food chain (plants and animals)
- 8:40 - 8:55 Future Agenda Topics and Frequency of Meetings - RAB Members
- 8:55 - 9:00 Public comments
- 9:00 Adjournment

**Naval Weapons Station, Concord  
Restoration Advisory Board Meeting Attendance, November 20, 1997**

<b>RAB MEMBER</b>	<b>Signature</b>
Steven Bachofer	
Steve Gallo	<i>Steve Gallo</i>
Edward Gardner	<i>Edward Gardner</i>
Sylvia Kotecki	<i>Sylvia Kotecki</i>
Richard Purdue	<i>Rich Purdue</i>
Tatiana Roodkowsky	
Thomas Shirley	<i>T. Shirley</i>
Larry Steinwandt	
Gene Sylls	
<b>NAVY REPRESENTATIVES</b>	
Stan Heiler (NWS Concord)	<i>Stan Heiler</i>
Roy Santana (EFA West)	<i>Roy Santana</i>
<b>REGULATORY AGENCIES</b>	
Nicole Moutoux (U.S. EPA)	
James Pinasco (DTSC)	
<b>NAVY CONTRACTORS</b>	
John Bosche (Tetra Tech EM Inc.)	<i>John Bosche</i>
Kathy Walsh (Tetra Tech EM Inc.)	<i>Kathy Walsh</i>

**ATTACHMENT B**

**Vicinity Map of the Mount Diablo Medical Center**



# MT. DIABLO MEDICAL CENTER CAMPUS

## MT. DIABLO MEDICAL PAVILION 2740 Grant St.

- Center for Behavioral Medicine
- Center for Geriatric Psychiatry
- Center for Recovery
- Transitional Care Center

From Hwy. 242 use  
Grant St. Off Ramps

## NORTH CAMPUS BUILDINGS

### 2720 Grant St. (Building 1)

- Foundation (Suite 1)
- Heart Health Center (Suite 2)
- Cardiac Rehabilitation (Suite 3)
- Pulmonary Rehabilitation (Suite 3)

### 2730 Grant St. (Building 2)

- Diabetes Center (Suite 7)
- Classrooms A & B

### 2710 Grant St. (Building 3)

- Gym

## MEDICAL OFFICE BUILDING 2700 Grant St.

- Arthritis Center
- Lab Drawing Station
- Pharmacy
- X-ray

## MT. DIABLO MEDICAL CENTER 2540 East St.

See map on other side  
for details

## DIABLO MEDICAL PLAZA 2222 East St.

- Diablo Valley  
Surgery Center
- Lab Drawing Station
- Laser Treatments

OUTPATIENT  
RADIOLOGY  
PARKING

CANCER  
PATIENT  
PARKING

ANTICHOCH  
ROOM

MT. DIABLO  
MEDICAL  
CENTER

PARKING

DIABLO  
MEDICAL  
PLAZA

If you have any special needs under  
the Americans with Disabilities Act,  
please let us know



**ATTACHMENT C**

**Draft Agenda for January 15, 1998  
NWS Concord Restoration Advisory Board Meeting**



**AGENDA**  
**NAVAL WEAPONS STATION CONCORD**  
**RESTORATION ADVISORY BOARD MEETING**

**Thursday, January 15, 1996**

**7:00 p.m. - 9:00 p.m.**  
**Mount Diablo Medical Center**  
**Concord, California**

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7:00 - 7:05	Welcome and Introductions
7:05 - 7:15	Community Co-chair's Report
7:15 - 7:20	Approval of Meeting Minutes
7:20 - 8:00	Wetlands Presentation by Regional Water Quality Control Board Representative
8:00 - 8:10	Break
8:10 - 8:20	Update on the Napalm Site Removal Work - Mr. John Bosche (Tetra Tech EM Inc.)
8:20 - 8:40	Followup on RAB Comments on the Tidal Area Landfill Feasibility Study - Mr. John Bosche
8:40 - 8:50	Information on the Installation Master Plan - Mr. Roy Santana (Engineering Field Activity West)
8:50 - 8:55	Future Agenda Topics and Action Item Update
8:55 - 9:00	Public Comment
9:00	Adjournment



**ATTACHMENT D**

**RAB Comments on the Tidal Area Landfill Feasibility Study  
NWS Concord Restoration Advisory Board Meeting  
November 20, 1997**



*November*

~~October~~ 20, 1997

Mr. Roy Santana  
Project Manager  
Department of the Navy  
Engineering Field Activity, West  
Naval Facilities Engineering Command  
900 Commadore, Drive  
San Bruno, CA 94066-5006

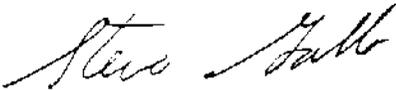
Subject: Review of Feasibility Study, Tidal Area Landfill, Site 1, Naval Weapons Station, Concord, California, Draft, September 15, 1997

Dear Mr. Santana:

Attached are comments concerning the Feasibility Study from some members of the Restoration Advisory Board(RAB) for the Concord Naval Weapons Station. The comments represent individual member views and reflect the diversity of our community. As such not all comments may be in agreement.

The draft continues in circulation with RAB members and additional comments may be sent to you in the future.

Should you have any comments or questions that members of the RAB or I can clarify, please call me at (510) 427-3450. The RAB members are glad to be able to provide community input into the restoration process.



Steve Gallo  
Community Co-Chair, Restoration Advisory Board(RAB) for the Concord Naval Weapons Station

Review of Feasibility Study, Tidal Area Landfill, Site 1, Naval Weapons Station, Concord, California,  
Draft, September 15, 1997

1. Some reviewers commented that Alternative 2, the single layer native cap, does appear to be an appropriate choice for the location. Also, Alternative 3 was noted as desirable by some.
2. Good to see that one of the criteria required for consideration by law is the community acceptance of an alternative. From section 300.430(e) of NCP
3. The Installation Master Plan (IMP) is identified as an important element in the final solution for the selected alternative. The study identifies that human and environmental exposure will be limited by placing notations on the IMP to prevent or limit site use and development. What is the current state of the IMP? How widely known is this document to personnel? As an example, what does the IMP currently note about the litigation area and landfill area? How is it kept up to date?
4. In the executive summary, paragraph 3 of the Site Background section identifies that metals concentrations above background were detected in wells upgradient of the landfill. What is the source of the metals? How is this information to be followed up?
5. Section 1.1, page 1-2, , third paragraph. This report seems to wave a flag several times that the landfill contents may include dangerous munitions. This topic of dangerous munitions is used as one of the reasons why it is better to leave the material in place and not perform some other possible action on the landfill material. Discussion of possible munitions in the landfill in prior reports has been limited to mentioning the parts of one bomb that may be there. Why in this report is the munitions issue raised in importance? Is there any evidence or testimonial that more munitions exist here? Is the munitions issue overstated here or understated in other reports? Work plan for the construction will need to address this for safety of construction workers?
6. Section 3.2.2. The title for section 3.2.2 should be modified to read "Groundwater and Leachate RAOs" to better reflect the topics discussed in the section.
7. Section 4, page 4-1. In the first paragraph the sentence 'The alternatives address the general to varying degrees.' does not seem to make sense. Please delete or modify as appropriate to clarify.
8. Section 4.1.1.2. Please change word samples to sampled in the third sentence.
9. Section 4.2.2. Near the end of the second paragraph the text identifies that the soil cap is tied into the existing bay mud material as shown in figure 4-1. Figure 4-1 does not show the cap material tied into the existing bay mud. The biotic barrier, gravel layer, shown in figure 4-1 separates the cap material from the bay mud. This arrangement of biotic barrier probably also provides a path for the landfill gas to escape. Suggest that figure 4-1 be modified to show the cap material contacting the existing bay mud.
10. Section 5.2.2.2. Is the site within a 100 year flood plain? Executive Order 11988, flood plain management identifies that this is one of the issues to be addressed. Please identify in this paragraph whether or not the landfill is within a 100 year flood plain.
11. Section 6.2.1 paragraph 4. The text identifies that clay will help lower the infiltration rate from that of a loam cap. It does not bring up that it will negatively impact the desiccant cracking potential of the cap which was a positive feature of the loam cap that was spot lighted in Section 4.2.2. There needs to be some statement to address the negative aspect of clay cracking when drying as it is sited as the likely material to be used by the alternative 2 soil cap.

12. What amount of settlement due to decay of refuse can be expected over the next 30 years at the landfill? During the construction work will the refuse body be consolidated or compacted to any extent? References are made to the voids and irregularities now in the refuse material and this might be expected to cause the cap to sink in spots.
13. Table 6-2. Annual O&M costs for the cap alternatives 2 and 3 should also include an amount for potential repairs to the soil cap where due to settlement or erosion some recontouring or grading may be needed to maintain the cap features to prevent exposure of refuse or ponding leading to more infiltration.
14. Section 5.0, paragraph 5.1.9, page 5-6. Community Acceptance. It is not acceptable that the alternative does not provide long term protection of human health and the environment.
15. Section 4.0 page 4-1 Alternative 3. This alternative is OK, but we should have something more than the suggested cap offered.
16. Appendix C. The calculation/worksheet from Levine-Fricke-Recon Engineers in Appendix C shows 36 inches of compacted loam and 18 inches of gravel. What about doing what the Levine recommends and add the 6 inches of concrete to minimize any infiltration through the landfill?

Suggestion for the site:

1. The Navy could put the wood hogger that is next to the landfill on top of the landfill so that they can monitor and test the runoff during the rainy season. Then they could clean up the wood hogger site area. This could allow the clean up at a minimal cost of the wood hogger site.

