

19 August 1996

MEMORANDUM

From: Jim Sullivan, Naval Station Treasure Island  
To: Restoration Advisory Board Members  
Subj: 27 August Meeting

The release date of the Draft Remedial Investigation (RI) Report has been extended and the document will not be available prior to the RAB Meeting. We will be discussing the revised schedule for the RI Report at the meeting.

In its place, we have moved up a presentation on a Master Schedule of Deliverable Documents. Together with presentations on the Fiscal Year 1997 Budget and the NEPA/CEQA process for the Reuse Plan, this meeting will be an opportunity to take a look at the big picture of cleanup and reuse.

Enclosed are copies of Paul Hehn's and Usha Vedagiri's comments on the "Draft Interim Groundwater Monitoring Plan" and the "Phase II Ecological Risk Assessment Draft Final QA Plan".

I have also enclosed a flyer I received on a Regional Forum on Military Base Cleanup Technology on 26 and 27 September.

We are currently duplicating copies of the Reuse Plan and will have at least some available at the meeting. Every RAB Member will receive a copy either at the meeting or by mail.

Admin Record: 3 Copies  
Chen Kao, DTSC  
Rachel Simmons, EPA  
Gina Kathuria, RWQCB  
Sharon Tobias, PRC



**Please Note the Road Detour on Yerba Buena Island  
All Traffic from San Francisco Must Use the Yerba Buena Exit in the Right Lane  
The Left Lane Treasure Island Exit from San Francisco is Closed**

NAVAL STATION TREASURE ISLAND  
ENVIRONMENTAL RESTORATION ADVISORY BOARD MEETING  
27 AUGUST 1996  
7:00 PM.  
FLEET ADMIRAL NIMITZ CONFERENCE CENTER  
TREASURE ISLAND  
MEETING NO. 25

7:00 Welcome Remarks  
Discussion/Approval of Agenda  
Discussion/Approval of 23 July Minutes

7:05 Public Comment

PROGRAM UPDATES:

7:10 General Updates  
- BCT Meeting  
- Revised Remedial Investigation Report Schedule  
- Citizens Reuse Committee

7:25 Review of Action Items

BRAC CLEAN-UP PROCESS:

7:30 Fiscal Year 1997 Budget and Project List

7:45 Master Schedule of Deliverable Documents and FOSLs/Interim Uses

8:00 Break/Informal Discussion Time Among Community Members, Navy and Regulators  
*- This is an opportunity to informally discuss issues with presenters and use the index cards for questions or comments*

8:20 Questions and Answers on the Budget, Projects, Documents and FOSLs/Interim Uses  
*- We will use a mix of comment/question cards and then interactive dialogue*

EDUCATION:

8:40 NEPA/CEQA Process for the Naval Station Treasure Island Reuse Plan  
- Reuse Records of Decision (ROD) and CERCLA RODs

OTHER BUSINESS:

8:50 Organizational Business

**Moderator:** Pat Nelson (Community Co-Chair)

**Goal:** To discuss and approve as required.

- Schedule/Process for Community Review of the Remedial Investigation Report
- Technical Committee comments on the "Draft Interim Groundwater Monitoring Plan" and the "Phase II Ecological Risk Assessment Draft Final QA Plan"

9:10 Upcoming Environmental Report Review Schedule

**Moderator:** James Sullivan (Navy Co-Chair)

**Goal:** To identify documents available for RAB review, discuss procedures for commenting and response to comments, and any requirements for special meetings/workshops.

- Draft Remedial Investigation Report (availability date to be revised)  
(please sign up if you would like to receive a copy)

9:15 Open Questions/Discussion

**Moderators:** Community and Navy Co-Chairs

**Goal:** To address any issues covered in this meeting or new issues.

9:25 Proposed Agenda Items for Next Meetings and Review of New Action Items

September

- Remedial Investigation Report (tentative)
- Corrective Action Plans

October

- Remedial Investigation Report Discussion
- Highlights of the 25 September EIS/EIR Scoping Hearing

Unscheduled:

- Selecting an IR Site as a "pilot" for the Risk Assessment/Reuse Process  
(possibly September)
- CERCLA Feasibility Study (FS) Overview (possibly November)
- Use of GIS to summarize Phase I and Phase II data
- Petroleum issues on adjacent Coast Guard property on Yerba Buena Island
- BTAG Update

9:30 Closing Remarks/End of Meeting

Next Regular Meetings:           7:00 pm. Tuesday, 24 Sep 1996  
  7:00 pm. Tuesday, 22 Oct 1996

Next Mid-Month Community Member Meeting: 7:00 pm. Tuesday, 10 Sep 1996  
  Treasure Island, Bldg. 1, 2nd Flr.

Other Meetings:           **Reuse Plan EIS/EIR Public Scoping Hearing**  
                                  **(Tentative) 7:00 pm., Wednesday, 25 Sep 1996, Nimitz Center**

Mark your calendar for the  
**REGIONAL FORUM ON MILITARY BASE CLEANUP TECHNOLOGY**  
US EPA Regions IX and X\*  
September 26 and 27, 1996  
Millbrae, CA

**TO:** Individuals representing diverse constituencies interested in contributing to the national policy and funding dialogue on military base cleanup technology

**FROM:** Peter Wood (Cal EPA) and Lenny Siegel (San Francisco State University, CAREER/PRO), Co-chairs of the Forum Planning Committee

A broad partnership of organizations, listed below, has scheduled a unique forum to bring together diverse constituencies from the Western states and Pacific region to discuss ways to promote the development and use of innovative technologies in the cleanup of contaminated military installation. Building on the growing dialogue that is now underway at many active and former military bases in the region, the forum will provide an opportunity to share experiences with stakeholders from other localities and to help develop channels through which local representatives can influence national policy on cleanup technology.

This is your opportunity, not only to work to improve the way contaminated bases are cleaned up, but to create a model for regional stakeholder involvement on complex environmental issues. Please mark September 26 and 27 on your calendars to attend the Regional Forum on Military Base Cleanup Technology. We'll be sending out further details soon.

**When:** September 26 and 27, 1996 (two full days)

**Where:** Clarion Hotel, Millbrae, California (near the San Francisco International Airport)

**Sponsors:** Deputy Under Secretary of Defense for Environmental Security  
Department of Defense, Office of Regional Environmental Coordinators  
Western Governors Association  
U.S. Environmental Protection Agency (Regions IX and X)  
California Environmental Protection Agency  
Bay Area Defense Action Conversion Team (BADCAT)  
San Francisco State University, CAREER/PRO

**Fee:** Registration fee is WAIVED

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\* These regions include the states of Alaska, Arizona, California, Hawaii, Idaho, Nevada, Oregon, Utah, and Washington.

**Who:** 150-200 individuals from EPA Region's IX and X representing the following interests in military base cleanup technology\*\* :

- Public Stakeholders, including members of Restoration Advisory Boards
- Representatives of local governments and local reuse authorities
- Remedial project managers and other officials from state, tribal, and federal regulatory and natural resource trustee agencies
- Remedial project managers and other officials from the armed services and other regulated federal agencies
- Environmental consultants, cleanup contractors, and technology vendors
- Representatives of other organizations, such as academic institutions, with an interest in base cleanup technology

- Objectives:**
1. Elicit broad-based multi-state regional input from diverse interests on military base technology needs and concerns and develop an action plan to implement and communicate recommendations:
    - among forum participants
    - from forum participants to their constituencies
    - from forum participants to national policy makers
  2. Draw lessons learned from the forum experience to make recommendations to the Department of Defense for implementing the regional stakeholder approach in other U.S. regions.

- Program:** The program themes consist of:
- Communication and information sharing
  - Regulatory issues
  - Financing and commercialization of innovative technologies
  - Procurement and local contractor and displaced workforce issues

For additional information or to request an invitation packet or a travel scholarship, contact **Aimée Houghton** at San Francisco State University, CAREER/PRO (415-904-7750). You should make your hotel reservations separately. A block of rooms for the event is being held at the Clarion Hotel in Milbrae, California. When calling the hotel to book a room please explain that you are with the WGA Forum. *To ensure our negotiated group discount, lodging reservations at the Clarion must be made by September 11, after that time, rooms can be reserved only on a space-available basis. (See the insert attached to this announcement for information on the Clarion Hotel.)*

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\*\* To ensure broad participation, a limited number of travel scholarships will be made available to one member per Restoration Advisory Board in EPA Regions XI and X and to other members of the public and Sovereign Indian Nations outside the Bay Area, on a first-come basis. Those who wish to attend the Forum under a travel scholarship should immediately contact Aimée Houghton at (415) 904-7750.

ERNE GALONG  
CC: Sharon Tobias

To: <jbsullivan@EFAWEST.NAVFAC.NAVY.MIL>  
Cc:  
Bcc:  
FY(): PLN1%EnvSvc%GenlCnsl@go50.comp.pge.com  
Subject: Interim Groundwater Monitoring Work Plan Comments  
Date: Monday, August 12, 1996 11:42:02 PDT  
Attach: Headers.822  
Certify: N  
Forwarded by:

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Jim,  
Faxed to you our comments on the subject report. Usha should be sending to you the comments on the Ecological Risk Assessment today or tomorrow. Please let me know whether or not you received either or both. could you be sure to ditribute the comments with the next agenda? Also was wondering, since we have a generous lead time, should we develop another iteration of the August agenda or go with the comments from the interim meeting? Let me know your preference. Thanks!  
Pat



EXTERNAL ONLY  
ENVIRONMENTAL SERVICES DEPARTMENT  
77 BEALE STREET, 24th FLOOR  
SAN FRANCISCO, CA 94106  
FAX: (415) 973-9201

DATE: Aug 12, 1996  
TO: Jim Sullivan  
COMPANY: NSTI  
ADDRESS: T1  
TELECOPY#: 395-5474 CONFIRMATION#: 395-5454  
TOTAL NUMBERS OF PAGES INCLUDING COVER LETTER: 6

FROM PG&E: Pat Nelson  
EXTERNAL#: 9737694

COMMENTS: 1) Attached are the Tech Subcommittee comments  
on the Interim Groundwater Monitoring Work Plan  
2) Please copy and distribute comments with  
those Vsha provides on the Eco. Risk Assess  
with the 8/27/96 meeting agenda

Thanks! Pat Nelson

IF YOU DO NOT RECEIVE ALL THE PAGES, OR IF YOU HAVE ANY QUESTIONS,  
PLEASE CALL (415)973-9202.



A Holdem] company  
PAGE 1 OF 5  
(including cover sheet)

**FAX TRANSMITTAL**

TO Pat Nelson  
PG&E  
FROM Paul V. Hehn

GERAGHTY & MILLER, INC.  
RICHMOND, CALIFORNIA OFFICE

DATE 8/9/96 JOB # \_\_\_\_\_  
FAX # (415) 973-9201 TELEPHONE # (415) 973-2694

COMMENTS:  
Finally and at last, here are the comments  
on the IT "Dedicated Interim Groundwater Monitoring  
Work Plan".  
Please forward on to Jim Sullivan after you have  
reviewed. Also, please ask Jim to include copy of this  
plus his comments in release with the  
mail out of the next RAB meeting agenda.  
Thanks for your help.  
Paul

IF YOU DO NOT RECEIVE ALL PAGES INDICATED ABOVE, PLEASE CALL (510) 233-3200.

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THANK YOU.

COPY OF THIS PAGE TO CORRESPONDENCE BINDER #2; COPY OF ALL PAGES TO CORRESPONDENCE BINDER #2

1050 Marina Way South • Richmond, California 94804 • (510) 233-3200 • FAX (510) 233-3204



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**MEMORANDUM**

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**TO:** Treasure Island Restoration Advisory Board, and Jim Sullivan-NSTI  
**FROM:** Paul V. Hahn, Treasure Island RAB - Technical Subcommittee Chair (PH)  
**DATE:** August 9, 1996  
**RE:** Comments on Document "Draft Interim Groundwater Monitoring Work Plan"

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The following compiles the comments prepared by the NSTI Technical Subcommittee as a result of our review of the "Draft Interim Groundwater Monitoring Sampling Work Plan". The comments are those of community co-chair Pat Nelson and myself.

The comments that have been prepared are related to general issues and to specific sections of the work plan.

**DOCUMENT:****DRAFT INTERIM GROUNDWATER MONITORING WORK PLAN****General Comments**

- It is unclear if the decision tree (Figure 4) takes into account tidal fluctuation and interaction in the consideration as to the appropriate sampling interval. Even though many of the wells with high concentrations are within the plume, the plume is immediately adjacent to the Bay. For the wells with high concentrations next to the Bay, the sampling interval should remain on a quarterly basis to monitor what may be going into the Bay. Also, the interaction with the tides could change the dispersion of contaminants near the Bay and need to monitor for this possible dispersion.

- Since the site is now moving into the remediation phase, it seems that this is an inappropriate time to cut back too much on the groundwater monitoring. The results of the groundwater monitoring on a continuing basis are important to be able to understand the concentrations currently and over time. In order to look at possible natural bioremediation decreases in groundwater concentrations, as well as changes in plume configuration over time, more frequent sampling is necessary, not just once a year sampling. It is therefore recommended that at least some selected wells within each plume continue to be monitored on a quarterly basis. Annual only monitoring does not tell much of a tale about decreases, changes, movements or contractions of a plume over time or throughout a water year. Suggest more frequent sampling to help in long-term remediation planning.
- Does the overall groundwater monitoring plan change now that the designation of the immediate and long-term uses of TI and YBI have been stated by the San Francisco CRC and Planning Department?

#### Comments on Specific Sections

- Section 1.0 - Under activities completed under the Phase IIB RI, should it include the delineation of groundwater impacts?
- Section 1.0 - Statement about a fourth quarter of groundwater sampling for the new wells is unclear here or out of context. I understand after reading more of the report but it does not make sense here.
- Section 3.0 - Add to first paragraph (at end) "while still being cost effective".
- Section 4.1 - Were "lost" wells new wells installed as part of the Phase IIB? What attempts will be made to locate them and/or properly abandon them?
- Section 4.2 - Explain who the CBCEC and PAT groups are and how did they arrive at the decision tree?
- Section 4.02 - Did decision tree take into account possible tidal influence on monitoring wells? How will this affect the wells sampling frequency?
- Section 4.2 - Need to state up front when (what quarter) wells to sampled. Especially important for those wells to be sampled only on an annual basis.

- Section 4.2 - How variable is "highly variable" to change well from annual to semi-annual classification? Need to quantify.
- Section 4.3.1 - Since the site is in downgradient position from Site 24 (and on receptor path?) these wells should be on a semi-annual rather than an annual sampling basis.
- Section 4.3.1 - There should be intermediate depth (16.5 to 28 feet screened) wells at this site to monitor for TCE (etc.) at and close to the Bay margin.
- Section 4.3.2 - Well MW-11 should be monitored on a quarterly basis due to high concentration of BTEX between 7/87 and 11/95, and also suggest that this area remain in the IR program due to high concentration.
- Section 4.3.2 - Well MW-01 should be monitored on a quarterly basis due to high concentration of BTEX between 7/87 and 11/95, and also suggest that this area remain in the IR program due to high concentration.
- Section 4.3.2 - Were the tanks all removed in the vicinity of Well MW01 and MW-11 at Site 6?
- Section 4.3.3 - As asked on other occasions, why are the groundwater samples for metals unfiltered rather than filtered samples? Filtered may provide better representation of groundwater concentrations. If unfiltered samples collected for risk assessment reasons, suggest that both filtered and unfiltered samples be collected on sites with metals problems.
- Section 4.3.4 - What does a Blank or - mean in the decision column in Table 2 such as shown for Well 12-MW01 in downgradient column.
- Section 4.3.4 - For Wells 12-MW05 through 16: How can they be ND for four consecutive sampling rounds for such things as TPH-P, BTEX, PCB/Pest, SVOCs and Explosives if they have only been sampled three times?
- Section 4.3.4 - Same as last question for wells at Site 20?
- Section 4.3.5 - Based on previous groundwater sample concentrations and possible tidal influence, recommend annual sampling of Wells 14-MW03 and 14-MW04; Due to high concentrations and proximity to the Bay, recommend quarterly sampling of Wells 14-MW02, 14-MW01, 14-CW03, and 22-MW02.
- Section 4.3.5 - This is an important site to know tidal influence.

- Section 4.3.6 - Because of the close proximity of the high concentrations immediately adjacent to the Bay, suggest continue to sample on quarterly basis. Also need to know tidal influence.
- Section 4.3.7 - Again, how can wells just installed have been ND for four consecutive quarters when they have not been samples for four quarters? I hope this does not include the sampling during the Geoprobe work?
- Section 4.3.8 - Due to potential of continued movement of solvents in the intermediate zone, these wells should be sampled quarterly or at least semi-annually. Especially true of the downgradient wells.
- Section 4.3.9 - Again, high concentration in wells next to Bay need to sampled more frequently than annually. Well 25-MW02 high in TPH as gasoline.
- Section 4.5.3 - As we move into the remediation phase of the work at TI and YBI, it is the wrong time to cut down on the sampling of some or all of the wells within the plumes. In order to look at possible remedial measures, need to know as much as possible about the plumes!
- Section 6.0 - "to" be sampled in the second sentence.

Ernie Galang  
cc Sharon Tobias

**FACSIMILE MESSAGE**



EA Engineering, Science, and Technology  
EA West  
3468 Mt. Diablo Boulevard, Suite B-100  
Lafayette, California 94549

Project Number  
Task Number  
Department 3414

Telephone: 510-283-7077 FAX: 510-283-3894

**LEASE DELIVER TO:**

Name: Jim Sullivan  
Organization: Treasure Island Naval Station

FAX Telephone Number: 415-395-5474  
Voice Telephone Number:

Recipient: If you do not receive all pages clearly, please call the receptionist at (510) 283-7077.

**SENT BY:**

Name: USHA VEDAGIRI

Date: August 14, 1996 Time: Number of Pages (including Transmittal Sheet): 2

**MESSAGE:**

I'm sorry this is a day late, Jim. I hope it's OK

**ORIGINAL WILL:**  FOLLOW VIA MAIL  FOLLOW VIA OVERNIGHT EXPRESS  FOLLOW VIA MODEM  NOT FOLLOW

**Comments Regarding Phase II Ecological Risk Assessment Draft Final QAPjP, Naval Station, Treasure Island**

**Comments from Usha Vedagiri, August 14, 1996**

My comments are limited since this is a technical support document that actually feeds in to the Phase II ERA Work Plan. Major comments regarding the work have already been expressed as part of the Work Plan review.

**Page 11 Section 2.4 Project Narrative:**

Do all the analytes have SF Bay Water Quality objectives or sediment numbers or federal AWQC against which they can be compared? If not, how will the analytes that are not covered be treated?

**Page 19 Section 3.3.1 Identification of Site Contaminants.**

Has anybody ever done a full-range screen of chemicals for the offshore sediments?

**Page 25. Table 1**

Is the Sulfide determination Total sulfide or Acid Volatile Sulfide? If total, please clarify why total and not AVS? How will the sulfide data be used?

**Page 64 Section 8.7 Additional parameters**

Are lead analyses from Clipper Cove water dissolved or total lead?