

5090
Ser T4E2EG/L4041
16 Nov 1993

From: Commander, Western Division, Naval Facilities Engineering Command
To: Distribution

Subj: REMEDIAL INVESTIGATION/FEASIBILITY STUDY FOR NAVAL STATION
TREASURE ISLAND, SAN FRANCISCO

Encl: (1) Monthly Progress Meeting Minutes - 20 October 1993

1. Enclosure (1) is provided for your information.
2. Thank you for your guidance and involvement in this project. For further information, please contact Mr. Ernesto M. Galang, Code T4E2EG, at (415) 244-2560.

original signed by: _____

MARCELO G. PASCUA, JR.
By direction

Distribution:

California Department of Toxic Substances Control (Attn: Tom Lanphar)
California Regional Water Quality Control Board (Attn: Gina Kathuria)
California Department of Fish and Game (Attn: Michael Martin)
US Environmental Protection Agency, Region IX (Attn: Julie Anderson)
US Fish & Wildlife Services (Attn: Steve Schwartzbach)
US Army Corps of Engineers (Attn: Sharon Moreland)
Bay Area Air Quality Management District (Attn: Brian Jennison)
Bay Conservation and Development Commission (Attn: Chris Perry)
National Oceanic & Atmospheric Administration (Attn: Denise Klimas)

Copy to:

NAVSTA Treasure Island (Attn: Jim Sullivan/Ed Sarmiento)
COMNAVBASE San Francisco (Attn: Randy Friedman)
PRC Environmental Management, Inc. (Attn: Emily Pimentel)

Blind copy to:

T4E2 T4E2EG
Admin Records (3 copies)
Writer: E. Galang, T4E2EG, X-2560
File: NAVSTA Treasure Island
Chron, blue, pink, green

**INSTALLATION RESTORATION PROGRAM
MONTHLY PROGRESS MEETING
NAVAL STATION TREASURE ISLAND**

October 20, 1993

Introduction

On October 20, 1993, at 1:00 p.m., representatives from California Environmental Protection Agency's Department of Toxic Substances Control (DTSC), San Francisco Regional Water Quality Control Board (SFRWQCB), Western Division Navy (Navy), and PRC Environmental Management, Inc. (PRC) met at DTSC in Berkeley to hold the monthly progress meeting for the remedial investigation/feasibility study (RI/FS) being conducted at Naval Station Treasure Island (NAVSTA TI). A copy of the agenda and list of attendees are provided as attachments.

1. Review of Previous Meeting Minutes

The minutes from the September 21, 1993, progress and Technical Review Committee (TRC) meetings were reviewed. Mr. Tom Lanphar, DTSC, commented on the TRC meeting minutes regarding the presentation of RI findings and recommendations. Mr. Lanphar wants the minutes to reflect that the information regarding recommended no further actions and fully characterized sites is from PRC, and has not been reviewed or approved by DTSC ^{and RWQCB}

2. Recommendation For Removal Action at Site 06

Ms. Gina Kathuria, SFRWQCB, reported on the two visits made to NAVSTA TI by Ms. Kathuria and Mr. Timo Allison, PRC. The purpose of the visits was to detect the presence of floating product and measure its thickness in wells at Sites 06, 14, and 22. No floating product was detected at Sites 14 and 22. Floating product was detected in five wells at Site 06: W3, 2, 3, 4, and 6.

Five wells at Site 06 have not been tested because they were not accessible: well 8 could not be found, well 12 is paved over, well 13 bolts were sheared off, well 11 needed allen wrenches, and well 01 contained a dedicated bailer which did not allow adequate measurement. All wells need to be maintained. Covers need replacing and wells need to be cleaned out.

Well 01 appeared to contain product but could not be accurately measured due to the bailer it contained. Mr. Lanphar suggested removing the bailer from well 01, allowing the well to stand for a period of time, and remeasuring the floating product. In addition, Mr. Lanphar suggested collecting a groundwater sample as the bailer is removed and having it analyzed. Mr. Lanphar will find out if DTSC can do this work.

Ms. Anne Ording, PRC, reported that PRC recommends preparing an engineering evaluation/cost analysis (EE/CA) for soil and floating product removal at Site 06. The EE/CA would evaluate removing the soil surrounding the areas where the highest concentrations of contaminants were found, in the range of 10,000 to 22,000 ppm, and the best method for removing floating product. The extraction/characterization wells recommended in the current scope of work may or may not be required. DTSC and PRC discussed trenching as a potentially more effective extraction method than pumping for removal of floating product. Mr. Lanphar reported on a fuel spill at Naval Air Station (NAS) Alameda where pumping was unsuccessful and trenching worked for product removal.

The EE/CA for Site 06 will be prepared jointly with the EE/CAs for Sites 14 and 22 once the scope is revised to include the EE/CAs. The Navy expects to award the contract the first or second week of November.

3. Planning for Phase II Field Investigation

Mr. Thorsten Anderson, PRC, discussed PRC's recommended approach to acceleration of Phase II work. PRC wants to submit portions of the Phase II work plan as technical memoranda and requests shorter review periods so some field investigations may be performed sooner. The items suggested for this "fast track" approach are:

- Quarterly monitoring (first round)
- Water level measurement
- Tidal influence study
- Aquifer testing
- Leachability testing and modeling

Mr. Ernie Galang, Navy, indicated that the above work could be done as part of the Phase II RI and the technical memoranda should be included as addenda to the Phase I RI final work plan. A similar approach has been used at Alameda Annex.

Mr. Lanphar expressed concern about the comparison of sampling results if existing wells are sampled during wet weather, which is the goal of this fast track approach, but new wells are installed after sampling has been conducted. It was suggested that a quarterly monitoring round be conducted when new wells are installed.

Mr. Lanphar recommended that sampling be conducted to determine background levels at NAVSTA TI. Mr. Lanphar suggested that a clean site be selected and agreed upon using information from documents such as the BRAC cleanup plan (BCP) or the Environmental Baseline Survey (EBS). Samples will be collected at the agreed-upon clean site and analyzed as part of Phase II RI field work. Analyte concentrations found may be used as background levels.

Mr. Lanphar discussed that the underground storage tank (UST) sites should be included in the BCP, but should not be included in the Installation Restoration (IR) program. The final basewide baseline human health risk assessment (BHRA) must address UST sites.

(Note: a brief discussion ensued regarding the Base Closure and Realignment Act (BRAC), BCP, and EBS. Points in this discussion are summarized under 6 in these minutes.)

Ms. Gina Kathuria questioned whether the former skeet range bioassay testing will be part of Phase II RI work. Ms. Sharon Tobias, PRC, indicated that it will be handled separately as part of the ecological risk assessment. Ms. Kathuria suggested conducting interviews with base personnel regarding the past use of the range and where contaminants may be expected. Mr. Galang and Mr. Jim Sullivan, Navy, mentioned that the Navy has documents showing the location and direction of firing at the skeet range. This site will be included in the RI as Site 27.

Mr. Galang mentioned the sites under the ramps onto the Bay Bridge, which are owned by the Navy. Prior to having some painting done on the ramps, the Navy had the painting contractor sample and analyze the soils. Lead was found in the surface soils on the San Francisco side of NAVSTA TI. No samples were collected from the Oakland side of NAVSTA TI, but Mr. Lanphar recalled being under the bridge during painting operations and seeing paint falling onto the ground below. These areas will be included as two sites in the RI. Site 28 - San Francisco side ramp(s) and Site 29 - Oakland side ramp(s).

A determination will be made on how to handle Sites 27, 28, and 29, as to whether a preliminary assessment/site investigation (PA/SI) be required first or whether the sites can be assessed in the remedial investigation studies underway as part of the Phase II RI field work.

4. Submittal of Draft Remedial Investigation Report

The draft RI report is on schedule. The report will be submitted to the Navy and regulatory agencies on November 8, 1993.

The underground storage tank (UST) removal report will be submitted soon to Mr. Kevin Spinks, Navy. Mr. Lanphar suggested that the UST site cleanup be coordinated with the IR site cleanup, and he requested that DTSC receive a copy of the UST removal report. In response to a question, it has been clarified that the UST removal report is not the tank inspection report, an annual report by the Navy of tank inspections. Mr. Sullivan reported that 10 - 15 USTs remain at NAVSTA TI, including 2 or 3 still in use. The Navy plans to remove all remaining USTs.

5. Initial Screening of Technologies/Bioremediation Treatability Study

Ms. Ording reported that the draft initial screening of technologies (IST) report will be submitted to the Navy on November 22, 1993. This report is scheduled to be submitted to the regulatory agencies on January 3, 1993.

Ms. Ording also reported that a letter to the Navy recommending a bioremediation treatability study for NAVSTA TI is being prepared. Bioremediation appears to be the most promising technology for remediation at NAVSTA TI.

6. BRAC Cleanup Plan and BRAC Coordination

Mr. Sullivan stated that he will be the BRAC Environmental Coordinator (BEC) for NAVSTA TI.

The EBS for NAVSTA TI will be prepared by ERM-West. The process is required to be completed under the Community Environmental Response Facilitation Act (CERFA) within 18 months of the base closure announcement (which was in September 1993).

The BCP is due in draft form by March 1994. A BCP training workshop is scheduled for October 26 and 27 at the Burlingame Radisson and November 16 through 18 at the San Francisco Hilton.

All funding for NAVSTA TI is now under BRAC III.

7. Action Items and Next Meeting

UST Report distribution - PRC and Navy will coordinate sending copy to DTSC and SFRWQCB

Determination of handling of new IR Sites 27, 28, and 29

Revise September TRC meeting minutes

Add background sampling to phase II RI work plan

Coordinate replacement of well covers at Site 06 and sample well with dedicated bailer

Next meeting: Wednesday, November 10, 1993
 1:30 pm - DTSC Conference Room
 "Presentation of RI Highlights"



DEPARTMENT OF THE NAVY

WESTERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
900 COMMODORE DRIVE
SAN BRUNO, CALIFORNIA 94068-2402

IN REPLY REFER TO:

**NAVAL STATION TREASURE ISLAND
REMEDIAL INVESTIGATION/FEASIBILITY STUDY**

**REMEDIAL PROJECT MANAGERS MEETING
OCTOBER 20, 1993
(DTSC @ 1:00 P.M.)**

MEETING AGENDA TOPICS

- I. Review of Previous Meeting Minutes
- II. Recommendation for Removal Action at Site 06
- III. Planning for Phase II Field Investigation
- IV. Submittal of Draft Remedial Investigation Report
- V. Initial Screening of Technologies/Bioremediation Treatability Study
- VI. BRAC Cleanup Plan and BRAC Coordination
- VII. Action Items and Next Meeting

NAVAL STATION TREASURE ISLAND
REMEDIAL INVESTIGATION/FEASIBILITY STUDY

REMEDIAL PROJECT MANAGERS MEETING
OCTOBER 20, 1993
(DTSC @ 1:00 P.M.)

PERSONNEL	ORGANIZATION	PHONE NO.
1. ERNIE GALANG	WESTDIV	(415) 244-2560
2. Gina Kathuria	RWQCB	(510) 286-4267
3. Tom Laphar	DTSC	(510) 540-3809
4. Sharon Tobias	PRC	(415) 543-4880
5. Willis E. Wilcox	PRC	(303) 295-1101
6. Jenny Qin	PRC	(415) 543-4880
7. ANNE ORDING	PRC	"
8. Thorsten Anderson	PRC	"
9. James Sullivan	Naval Station Treasure Isl.	(415) 395-5456
10.		
11.		
12.		
13.		
14.		
15.		
16.		