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From: Commander, Western Division, Naval Facilities Engineering Command
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Subj: REMEDIAL INVESTIGATION/FEASIBILITY STUDY FOR
NAVAL STATION TREASURE ISLAND, SAN FRANCISCO

Encl: (1) Monthly Progress Review Meeting Minutes - August 7, 1992
(2) Monthly Status Report - July 1992

1. Enclosures (1) and (2) are the Monthly Progress Review Meeting Minutes and Monthly Status Report for the above subject.
2. Thank you for your guidance and involvement in this project. For further information regarding this matter, please contact Mr. Ernesto M. Galang, Code 1813EG, at commercial (415) 244-2560.

GILBERT A. RIVERA
By direction

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**TREASURE ISLAND RI/FS
PROGRESS MEETING MINUTES
AUGUST 7, 1992**

I. INTRODUCTION

The monthly progress meeting was held on August 7, 1992, at Naval Station Treasure Island (NAVSTATI) to discuss the status of the NAVSTATI remedial investigation and feasibility study (RI/FS). A copy of the meeting agenda and list of meeting attendees is attached.

II. Status of Field Activities

Mr. Ernest Galang, the Navy's engineer-in-charge (EIC), requested that the meeting begin with an overview of the status of field activities. The field activities initiated so far included geophysical surveys, soil borings and well installation. Ms. Emily Pimentel, the PRC project manager, provided an overview; team members Mr. Ken Bowen, Mr. Gordon Ballentine, and Mr. Pete Stang, who were also present, provided details. The team members and their responsibilities are as follows: Mr. Bowen, project field operations manager; Mr. Ballentine, geophysical surveys; and Mr. Stang, project registered geologist.

Field activities scheduled to begin in mid-August are well development and test pit sampling. Monitoring well sampling is scheduled to begin 2 weeks after completion of well development. Sediment sampling is scheduled to begin in mid-September; and storm water sampling will be conducted based on the first storm event of sufficient intensity.

Three variances to the projects were discussed. The variances discussed were (1) sample labelling scheme, (2) geophysical surveys, and (3) Site 8, soil borings vs. deep wells. The sample labelling scheme proposed in the work plan was simplified to minimize errors. The variance was conditionally implemented without prior regulatory consent because it was determined to have no impact on the quality or technical outcome of the project.

During negotiations prior to Navy's award of the contract task order to implement RI/FS activities, the Navy had requested that PRC eliminate conducting geophysical surveys at Sites 20, 22, 24, and 25. Sites 20, 22, and 25 did not require geophysical surveys because tanks had already been removed at these locations. Site 24 was eliminated for two reasons: the site is so large that it was determined not to be cost effective to survey, and there are available records showing pipeline locations with cathodic protection points installed between 1980 and 1985.

PRC prepared a variance to Site 8 field activities increasing the number of soil boring samples to delineate the sludge area and deleting the placement of three deep wells. The rationale was that the contaminants would not be expected to migrate down to the water table, which is approximately 70 feet below ground surface.

The California Environmental Protection Agency's Department of Toxic Substances Control (DTSC) approved the variance for the sample labeling scheme. The Site 8 variance was approved with the stipulation that DTSC would be apprised of the proposed locations for the new soil borings. DTSC did not yet approve the variance to delete the geophysical surveys and requested more details. Generally the DTSC felt that if the intent in the work plan was to identify sources, then surveys should be performed to confirm all possible sources in this phase of the RI. Existing records may not be complete enough to justify deleting the geophysical work. PRC indicated that records may be sufficient only for Site 24. It was agreed that Mr. Ballentine of PRC and Mr. Lanphar of DTSC would meet on August 10, 1992, to discuss the implications of not conducting the surveys.

PRC is preparing a Waste Management Plan to handle investigation-derived waste (IDW) from field activities at NAVSTATI. The plan is anticipated for completion on August 14th; the Navy expects to submit the plan to DTSC August 28th. Presently, PRC has a fenced and secured area on site to store IDW. PRC indicated that IDW could only be accumulated 90 days from the first day of its collection. DTSC indicated that a variance may be obtained and the application procedures would be provided to the Navy. Mr. Chein Kao of DTSC, indicated he would assist the Navy in obtaining the variance request. DTSC also indicated that they only need to see the conceptual plan addressing how IDW will be handled, and that the generator is required to determine whether a waste is hazardous or not.

III. REMEDIAL INVESTIGATION REPORT ACTIVITIES

PRC reported that progress is being made to develop the RI Report outline, and to begin the ecological and human risk assessment process. The ecological assessment (EA) work plan is being prepared, even though it's not a specific deliverable as part of the Federal Facility Site Remediation Agreement (FFSRA). The EA work plan was considered necessary because DTSC and the Regional Water Quality Control Board RWQCB have requested a separate EA. DTSC indicated that PRC should coordinate with the RWQCB since they have particular interest in this area.

Additionally, Mr. Kao indicated that the FFSRA requires that the technical review committee (TRC) meetings provide the opportunity for public participation. The Navy indicated that the TRC meetings would provide for public participation and they would make the arrangements. TRC meetings would be scheduled quarterly, and progress meetings would occur in between. The Navy will determine when the first TRC meeting will be held.

IV. OTHER NAVSTATI PROJECTS

PRC reported activities being performed at NAVSTATI under other contract task orders (CTO). The human health risk assessment for (Site 12) the Family Housing Area was still being finalized under CTO No. 47. Mr. Randy Fish of PRC indicated he would find it helpful to discuss DTSC's most recent comments with a toxicologist on their staff.

PRC has nearly completed underground storage tank (UST) removals contracted under CTO No. 0127.

The Fire Training Area Demolition Study Report was completed under CTO No. 0178; the report is under regulatory review.

PRC completed a cost estimate and work plan for a new CTO (No. 218) to install recovery wells in the Fuel Farm Area. The CTO is expected to be negotiated and awarded over the next month.

V. ACTION ITEMS

1. PRC and DTSC technical staff will hold a meeting on August 10, 1992, to determine if it is still necessary to conduct the geophysical surveys proposed in the project work plan.
2. DTSC will provide the Navy with a copy of the RCRA 90 days IDW variance form.
3. Navy will arrange for public participation in the RI/FS at NAVSTATI and will schedule the first TRC meeting.
4. PRC (Mr. Bowen) will determine if PRC needs access to sample at the Clipper Cove Area.
5. Navy will share the next agenda with DTSC.
6. PRC will provide a map of the proposed borings of DTSC's review to the Navy.
7. PRC will contact RWQCB (Ms. Barbara Smith) to advise on any proposed storm water sampling activities.

8. Navy will submit Waste Management Plan by approximately August 28, 1992.
9. DTSC (Mr. Lanphar) will provide a toxicologist to initiate discussion with Mr. Fish of PRC on the human health risk assessment.
10. PRC will provide the Navy with a copy of the electronic deliverable disc of laboratory data results for distribution by Navy to DTSC.

INSTALLATION RESTORATION PROGRAM
MONTHLY STATUS REPORT
NAVAL STATION TREASURE ISLAND

JULY 1992

1. PROGRESS DURING THIS PERIOD:

Field activities for the Remedial Investigation at Treasure Island Naval Station commenced on July 13, 1992. Field activities for the reporting period involved locating borings and monitoring wells, checking utilities at each location, drilling soil borings, and installing monitoring wells.

Work Performed

The Navy's contractor field team drilled 45 borings and installed 19 monitoring wells during the month of July. The field work included locating drilling sites and utilities. Utilities at all sites were cleared during the first week of activity.

Concrete coring completed at three locations in Site 25 and one location in Site 21.

The drilling activities commenced on July 16, 1992. Three soil samples are being collected for laboratory analysis from each bore hole. The samples are collected at 1-foot depth, at the capillary fringe, and at mid-depth of borings.

The soils encountered are fine-to-medium silty sands. Hydrocarbon odors were detected in borings 22-MW01, 22-MW02, 22-MW-03 and all borings and monitoring wells at sites 14 and 22.

2. MEETING AND REPORTS DURING THIS PROGRESS PERIOD

None this report period.

3. PROBLEMS ENCOUNTERED AND RESOLUTIONS

Riedel did not want to share the fenced area that they are using for investigation derived waste and supplies; therefore, a temporary fenced area was obtained. When Riedel completes the tank removal activities, all supplies, drums, etc. will be transferred to the permanent fenced area.

At 1:00 PM on July 16, 1992, the driller hit an electrical line at a depth of 1.5 feet while drilling boring SB-3 at Site 21. The electrical line was severed and caused a power outage to several nearby buildings and a ship used for training. The boring location had previously been cleared by the PWC and USA locators. The incident is documented in the field notebook. Navy NAVSTATI Coordinator, Eddie Sarmiento, and the PWC were contacted.

A third monitoring well was installed at Site 22. A letter is being prepared to explain the rationale for installing the well.

The geophysical survey scheduled for Site 8, the landfill, was delayed because surface debris made it impossible to move the geophysical survey equipment. Riedel was

subcontracted to clear and dispose of debris and geophysical survey was subsequently completed.

4. MEETINGS AND REPORTS SCHEDULED FOR THE NEXT MONTH

Meetings

The first monthly progress review meeting has been scheduled for August 7, 1992 at NAVSTA TI.

Reports

Draft Investigation Derived Waste Management Plan.

5. ACTIVITIES PLANNED FOR THE NEXT TWO-MONTH PERIOD

The Navy will submit the Draft Investigation Derived Waste Management Plan to the regulatory agencies.

The Navy's contractor will:

- Continue field activities including soil sampling, well installation, and well development. Sediment sampling is scheduled for September 17 and 18, 1992. Stormwater sampling is planned for the first rainstorm of sufficient intensity.
- Begin validating the first set of laboratory data scheduled for receipt on approximately August 21, 1992.
- Begin working on the Remedial Investigation (RI) Report task beginning with development of the RI outline, and will proceed with the ecological assessment and human health risk assessment tasks.