

5090
Ser 1811RC/L2262

18 MAY 1992

Ms. Bonnie Arthur
Department of Toxic Substances Control
Site Mitigation Branch
700 Heinz Avenue, Bldg. F
Berkeley, CA 94710

Dear Ms. Arthur:

In accordance with the Remedial Action Order (Docket No. HSA87/88-034RA) for Naval Station, Treasure Island, Hunters Point Annex, the March 1992 Monthly Progress Report is forwarded as enclosure (1). Enclosure (2) is a copy of a Field Variance Notice for March.

Should you have any questions regarding this matter, the point of contact is Commander, Western Division, Naval Facilities Engineering Command (Attn: Raymond K. Chiang, Code 1811RC, (415) 244-2554.)

Sincerely,

Original signed by:

MICHAEL A. MIGUEL
Head, Environmental Restoration Branch

Encl:

- (1) March 1992 Monthly Progress Report
- (2) Field Variance Notice for March

Copy to:

U.S. Environmental Protection Agency (Attn: Roberta Blank)
Regional Water Quality Control Board (Attn: Barbara Smith)
Bay Area Air Quality Management District (Attn: Catherine Fortney)
California Dept. of Fish & Game (Attn: Mike Rugg)
U.S. Fish & Wildlife Service (Attn: Steve Schwarzbach)
National Oceanic & Atmospheric Administration (Attn: Denise Klimas)
City and County of San Francisco (Attn: David Wells)
San Francisco District Attorney (Attn: Steve Castleman)
Bay Conservation and Development Commission (Attn.: Nancy Wakeman)
U.S. Department of the Interior (Attn: Bill Allen)
Blind copy to: (w/o encl) 09B, 09CPB, 09A2A, 24, PWC SF Bay (Code 420)
(w/encl) Admin. Record (4 copies), 1811, 1811RC, 1811MK, HLA (Attn: Ashok Verma),
COMNAVBASE S.F., COMNAVSEASYSCOM (Attn: Robert Milner), OIC Treasure
Island, HPA, NAVSTA Treasure Island, PRC (Attn: Gary Welshans)
Writer: R. Chiang, Code 1811RC, x2554
Typist: M. Marshall, 13 May 92, L2262
File: HPA

**MONTHLY PROGRESS REPORT
FOR
MARCH 1992
RE: Remedial Action Order
(Docket No. HSA87/88-034RA)
Naval Station, Treasure Island, Hunters Point Annex**

I. Actions Taken During March 1992:

A. The following documents were submitted to applicable regulatory agencies:

1. Technical Memorandum, Background Soil and Groundwater Conditions
2. Draft Final Sampling Plan for Group 6 Sites
3. OU-II Draft Initial Screening of Alternatives (DISA).
4. Group 5 Sampling Plan Addendum.

B. The following documents are being revised to address regulatory agency comments:

1. Draft Final SI Workplans: PA Other Areas & Utilities, Vols. I and II.

C. The following documents are undergoing regulatory consistency review this month:

1. Response to comments on Draft Final SI Report, PA-16 & PA-18, and RI Work Plan, PA-18.
2. Draft Final Aquifer Testing Work Plan.
3. Response to comments on Draft Phase I Aquifer Testing Report.

D. Response to review comments received are being prepared for the following:

1. None

E. The following documents are being prepared:

1. Project Management Plan, Vol. 1, Update.
2. Air Sampling Report.
3. SI Workplan for Other Areas/Utilities, Vol. III of III.
4. Ecological Risk Assessment Work Plan.

**MONTHLY PROGRESS REPORT
FOR
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5. Quarterly Monitoring Workplan.
6. Phase II Background Sampling Analysis Report.
7. Response to Comments, OU-IV Summary of Findings Memorandum(SOFM)
8. OU-II RI Report
9. OU-II PHEE Report
10. OU-I Summary of Findings Memorandum
11. Technical Memorandum, 1st and 2nd Quarters of Tidal Influence Monitoring
12. Radiation Survey Report
13. UST Field Work, Summary Report
14. On-site Soil Treatment Plan

F. The following documents satisfied regulatory consistency review this month:

1. None

G. The following field tasks were performed:

1. Continued Phase II Aquifer Testing.
2. Surface Confirmation Radiation Survey.
3. Environmental Sampling and Analysis Plan (ESAP) Sampling.

2. Actions Expected to be Taken During April 1992:

- A. Prepare UST Field Work, Summary Report.
- B. Complete preparation of Draft SI Workplan for Other Areas/Utilities, Vol. III of III.
- C. Prepare the on-site Soil Treatment Proposal.
- D. Continue OU-I Phase 2B.2 Sampling.

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FOR
MARCH 1992
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Naval Station, Treasure Island, Hunters Point Annex**

- E. Complete Surface Confirmation Radiation Survey**
- F. Continue ESAP Sampling**
- G. Preparation of OU-I SOFM**
- H. Preparation of OU-II, III, and IV RI Report**
- I. Continue Phase II Aquifer Testing data analysis.**
- J. Implement removal of Tank S-505**
- K. Prepare Surface Radiation Survey Report**
- L. Preparation of Technical Memorandum on Redefinition of OU-V**

3. Documents to be Submitted for Regulatory Review in April:

- A. Air Sampling Report.**
- B. SI Workplan for Other Areas/Utilities, Vol. III.**
- C. Quarterly Monitoring Plan.**
- D. Draft Surface Confirmation Radiation Survey Report**
- E. Technical Memorandum, Redefinition of OU-V**

4. Community Relations:

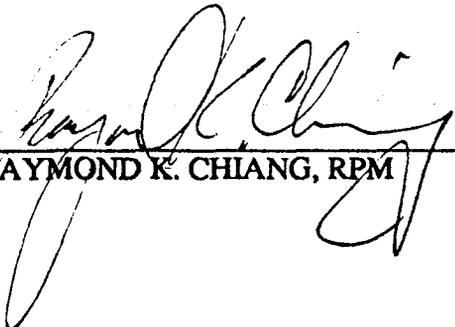
- A. Prepare March 1992 edition of Environmental Cleanup News.**

5. Any Requirement Under Order Not Completed:

- A. None.**

6. Problems Encountered:

- A. Full CLP Validation is backlogged for RI Work at OU-I, III, IV.**



RAYMOND K. CHIANG, RPM

5/11/92

DATE

NOTIFICATION OF FIELD VARIANCE
Environmental Sampling and Analysis Program

Project: Naval Station, Treasure Island, Hunters Point Annex
Installation Restoration Program

Authority: Navy CLEAN Contract N62474-88-D-5086 / 172

Variance No ESAP-1

The following variance to the Hunter's Point Annex Environmental Sampling and Analysis Plan (ESAP) - Task 1, concerning the solid-phase and liquid suspended particulate-phase bioassays to be conducted on the sediment samples, is proposed:

1. During bioassay tests conducted on bivalve larvae at the Aqua Terra Technologies, Inc. bioassay laboratory, artificial salts used to prepare "artificial" seawater have been found to be toxic to larval species. The toxicity of artificial salts to larval species has also been documented in bioassay literature. It is therefore proposed to use Bodega Bay freeze-dried salts for the liquid suspended particulate phase bioassay conducted on bivalve larvae.

2. For the purposes of consistency throughout the bioassay testing procedures, we suggest that the freeze-dried Bodega Bay salts be utilized in all bioassay tests; both for solid phase and liquid suspended particulate phase tests. Utilizing two types (artificial and Bodega Bay freeze-dried) salts for preparation of the bioassay seawater could introduce a variable that would be difficult to account for in the interpretation of test results.

Recorded by: Ronald M. Block, Ph.D.

Date: March 24, 1992

Distribution:

- US Navy - WESTDIV
Fax - (415) 244-2510
- PRC Environmental Management
Fax - (415) 543-5481
- California Department of Toxic Substance Control
Fax - (510) 540-3810
- Regional Water Quality Control Board
Fax - (510) 484-1380
- US Environmental Protection Agency
Fax - (415) 744-1918
- Harding Lawson Associates
Fax - (415) 892-1501
- Other: _____

Action Required:

- URGENT. Response needed by: March 27, 1992
(Date/Time)
Call Ron Block, Aqua Terra Technologies, Inc.
(Name/Company/Phone No.)
(510) 934-4884
- Review and provide comments by: _____
AT YOUR CONVENIENCE (Name/Company)
- For Information Only.
NO ACTION REQUIRED.

NOTIFICATION OF FIELD VARIANCE
Environmental Sampling and Analysis Program

Project: Naval Station, Treasure Island, Hunters Point Annex
Installation Restoration Program

Authority: Navy CLEAN Contract N62474-88-D-5086 / 172

Variance No. ESAP-2

The following variance to authorized practice and/or scope is noted:

The following variances to the Hunter's Point Annex Environmental Sampling and Analysis Plan (ESAP) - Task 2, occurred during the deployment of the mussels. The variances from the ESAP as well as the rationale for implementing the changes are listed as follows:

1. Stations M-12, M-13, and M-14 were moved bayward due to extremely shallow water in the test station areas originally proposed in the ESAP which increased the potential for exposure during low tides and predation by the large population of wading birds that feed in the area during low tides. The stations were moved to a water depth of approximately four feet (mean lower low water).
2. The containers used to hold the mussels in the deployment array were changed from the nylon mesh bags to hard plastic, cylindrical mesh containers. Two containers with 25 mussels each were deployed at each station. This change was made to prevent predation by diving birds in the area.

Recorded by: Ronald M. Block, Ph.D.

Date: March 24, 1992

Distribution:

- US Navy - WESTDIV
Fax - (415) 244-2510
- PRC Environmental Management
Fax - (415) 543-5430
- California Department of Toxic Substance Control
Fax - (510) 540-3819
- Regional Water Quality Control Board
Fax - (510) 464-1380
- US Environmental Protection Agency
Fax - (415) 744-1916
- Harding Lawson Associates
Fax - (415) 892-1586
- Other: _____

Action Required:

- URGENT. Response needed by: _____
(Date/Time)
- Call _____
(Name/Company/Phone No.)
- Review and provide comments to: _____
AT YOUR CONVENIENCE (Name/Company)
- For Information Only.
NO ACTION REQUIRED.

NOTIFICATION OF FIELD VARIANCE

Environmental Sampling and Analysis Program

Project: Naval Station, Treasure Island, Hunters Point Annex
Installation Restoration Program

Authority: Navy CLEAN Contract N62474-88-D-5086 / 172

3. Concrete blocks were substituted for the proposed earth anchors. Due to soft bottom sediment conditions at the deployment stations, the earth anchors were more likely to pull out and move under heavy current and storm conditions than the concrete blocks. In addition, precarious diving conditions exist at the site, i.e. visibility of less than one foot, strong currents, unknown bottom conditions (potential safety hazards such as metal objects on the bottom) and other health and safety concerns. The earth anchors require the use of a diver to set each anchor whereas the block anchors can be simply lowered over the side of the vessel.
4. Several mussel arrays (M-3, M-5, M-6, M-7, M-8, M-15, and M-16) were attached to piers as opposed to the buoy system proposed in the ESAP. The mussel containers at these stations were attached to a line anchored to the bottom by a concrete block. The top of the line was tied to the pier instead of to a buoy. This type of array system has a much greater recovery rate than do the free-floating type. This type of array was used only in areas where there is no public access and the possibility of the arrays being tampered with was minimal.

Recorded by: Ronald M. Block, Ph.D.

Date: March 24, 1992

Distribution:

- US Navy - WESTDIV
Fax - (415) 244-2510
- PRC Environmental Management
Fax - (415) 543-5480
- California Department of Toxic Substance Control
Fax - (510) 540-3819
- Regional Water Quality Control Board
Fax - (510) 464-1385
- US Environmental Protection Agency
Fax - (415) 744-1918
- Harding Lawson Associates
Fax - (415) 892-1586
- Other: _____

Action Required:

- URGENT. Response needed by: _____
(Date/Time)
- Call _____
(Name/Company/Phone No.)
- Review and provide comments to: _____
AT YOUR CONVENIENCE (Name/Company)
- For information Only.
NO ACTION REQUIRED.

environmental Sampling and Analysis Program

Project: Naval Station, Treasure Island, Hunters Point Annex
Installation - Restoration Program

Authority: Navy CLEAN Contract N62474-88-D-5086 / 172

Variance No. ESAP-2

The following variance to authorized practice and/or scope is noted:

Subject: Amount of material to be sampled from sediment cores

In order to provide sufficient quantity of core sediment for chemical analysis, the sediment interval to be sampled must be increased from 6 inches to 12 inches. The core will be from a depth of 2 to 3 feet below the sediment surface as originally proposed in the ESAP.

The increased core sample will allow for all the required chemical analysis to be performed and still remain within the desired core depth to be sampled.

Recorded by:

Date:

Distribution:

- US Navy - WESTDIV
Fax - (415) 244-2510
- PRC Environmental Management
Fax - (415) 543-5450
Jim Sickles
- California Department of Toxic Substance Control
Fax - (510) 540-3819
- Regional Water Quality Control Board
Fax - (510) 484-1380
- US Environmental Protection Agency
Fax - (415) 744-1916
- Harding Lawson Associates
Fax - (415) 882-1816
David Leland
- Other: _____

Action Required:

- URGENT. Response needed by: 24 hours
(Date/Time)
Call Ron Block, ATT (510) 934-4884
(Name/Company/Phone No.)
- Review and provide comments to: _____
AT YOUR CONVENIENCE (Name/Company)
- For Information Only.
NO ACTION REQUIRED.

Environmental Sampling and Analysis Program

Project: Naval Station, Treasure Island, Hunters Point Annex
Installation Restoration Program

Authority: Navy CLEAN Contract N62474-89-D-5086 / 172

Variance No ESAP-4

The following variance to authorized practice and/or scope is noted:

On April 14, an attempt was made to sample at Station S-4. The corer was retrieved with a bent, deeply scored core nose-piece and the core barrel contained no sediment. The fathometer sounding returns appeared dark indicating a hard bottom. Station S-4 is located off a small promontory and currents are extremely strong which may result in scouring of the bottom and in all probability, little or no net deposition of sediment in this area.

In addition, abundant debris (i.e. old pilings) located throughout the station area indicates that a pier was probably situated over the water in this area at one time. The refusal of the core barrel may be attributed to either a hard bottom or debris resting on the bottom.

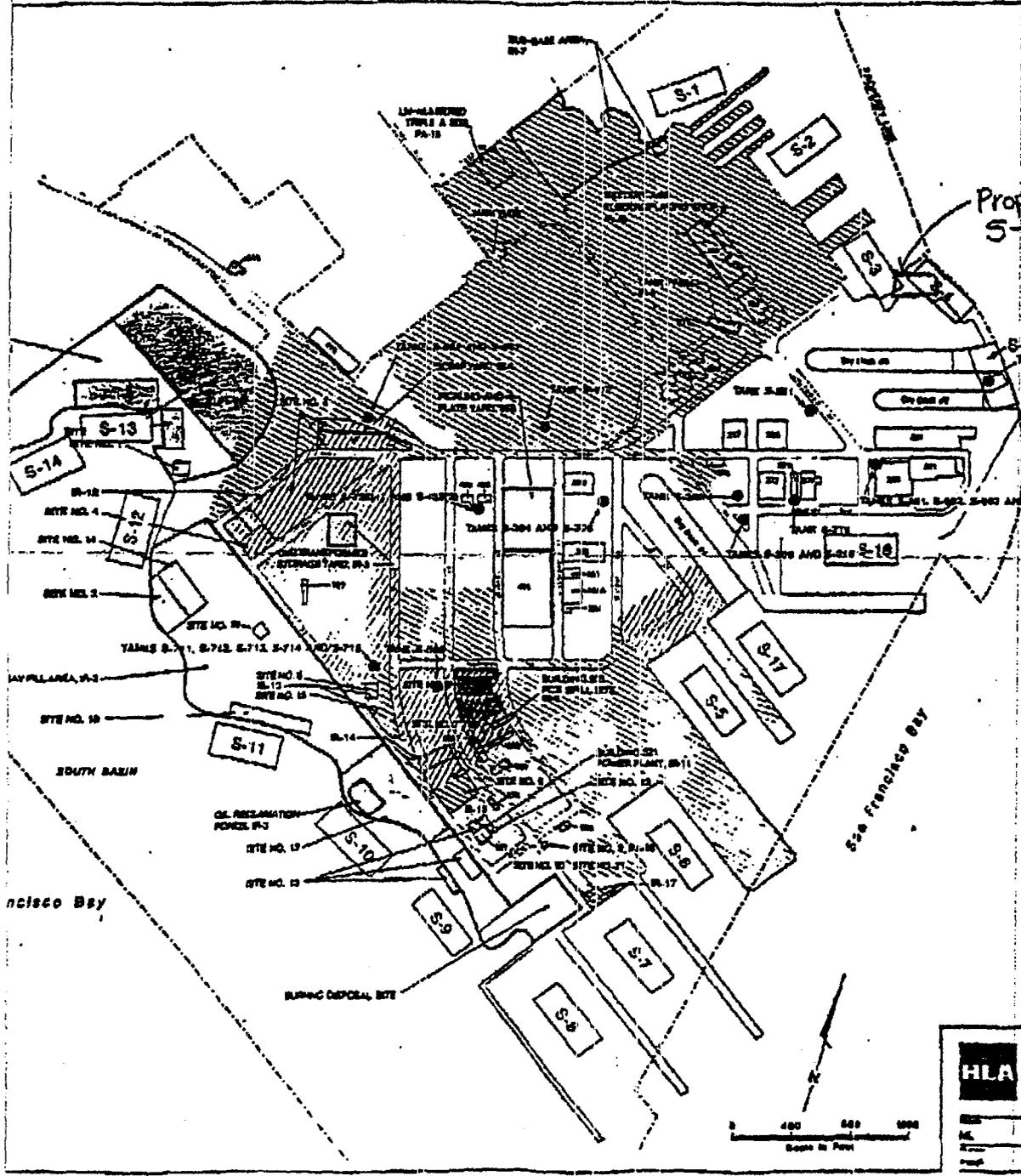
Further attempts to sample Station S-4 have been postponed until the final day of sampling (April 17) due to potential damage to sampling equipment. In the event that further efforts to obtain samples in Station area S-4 originally proposed in the ESAP are unsuccessful, a variance is requested to move Station S-4 into the more quiescent area between Station S-4 and Station S-3 where sediment is more likely to accumulate. Please note proposed location change on attached map.

Recorded by:
Distribution:

- US Navy - WESTDIV
Fax - (415) 244-2510
- PRC Environmental Management
Fax - (415) 543-5480
- California Department of Toxic Substance Control
Fax - (510) 540-3819
- Regional Water Quality Control Board
Fax - (510) 464-1380
- US Environmental Protection Agency
Fax - (415) 744-1918
- Harding Lawson Associates
Fax - (415) 892-1518
- Other: _____

Date:
Action Required:

- URGENT. Response needed by: 4/16/92
(Date/Time)
Call Leslie Rueth/Ron Block - Aqua Terra Technologies
(Name/Company/Phone No.) (510) 934-4884
- Review and provide comments to: _____
AT YOUR CONVENIENCE (Name/Company)
- For Information Only,
NO ACTION REQUIRED.



Proposed new
S-4 station

EXPLANATION

-  Area Study A
-  Area Study B
-  POG Study Area
-  SITE NO. 14
Approximate Limits of Type A
-  SCRAP YARD 10A
Approximate Limits of Federal Management Plan
-  Small Building
-  Boundary of Western Plant Area
-  Underground Storage Tank
-  Sediment System Area

Note: All additional details will be indicated here with

HLA	Hunting-Lowrey Associates Engineers & Geologists	Sediment Study ESAP Hunters Point San Francisco
	DATE: 2/19/82	PROJECT: ESAP
	NO. 2776.021/02	SCALE: AS SHOWN
	DATE: 2/7/82	ATTN: ATT

