

DEPARTMENT OF HEALTH SERVICES
TOXIC SUBSTANCES CONTROL PROGRAM
700 HEINZ AVE., BLDG. F, STE. 200
BERKELEY, CA 94710



(415) 540-3724

January 15, 1991

Commanding Officer
Attn: Mr. Eddie Sarmiento
Naval Station Treasure Island
Building I (Code 84)
San Francisco, CA 94130-5000

Dear Mr. Sarmiento:

**DHS AND RWQCB COMMENTS ON THE TIDAL INFLUENCE PLANS AND
RECOMMENDATIONS FOR AQUIFER TESTING - HUNTERS POINT ANNEX**

Enclosed are the Department of Health Services (DHS) and the San Francisco Regional Water Quality Control Board (RWQCB) comments for the Results of Well Survey, Plan for Pilot Tidal Influence Study, Draft Tidal Influence Monitoring Plan and Recommendations for Aquifer Testing and the Tidal Influence Studies at Group II Sites.

No comments were received from other State agencies.

Please respond to all comments on a point-by-point basis and include them as an appendix to the next set of draft plans.

As discussed at the TRC meeting on January 10, 1991, the regulatory agencies and the Navy will meet at 9:30 on January 28, 1991, at the DHS offices to further discuss aquifer testing issues.

If you have any questions regarding these comments, please contact me at (415) 540-3816.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Mark Malinowski'.

Mark Malinowski
Associate Hazardous Materials Specialist
Site Mitigation Branch
Region 2
Toxic Substances Control Program

Enclosures

cc: See next page

Mr. Eddie Sarmiento

Page 2

January 13, 1991

cc: Ms. Louise Lew (Code 1811)
Naval Facilities Engineering
900 Commodore Drive
San Bruno, CA 94066-0720

Mr. Chuck Flippo (H-7-5)
Remediation Project Manager
U.S. EPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105

Mr. Tom Gandesbery
Regional Water Quality Control Board
1800 Harrison Street, Suite 700
Oakland, CA 94612

DHS Comments on
Recommendations for Aquifer Testing and
Tidal Influence Studies at Group II Sites
Hunters Point Annex

General Comment:

The DHS concurs with all of the Regional Quality Control Boards General Comments and re-emphasizes the limitations of slug tests. As identified in the cover letter, a meeting between with the Navy and regulatory agencies is scheduled for January 28, 1991 at the DHS offices at 0930 to further evaluate and discuss the aquifer testing approach.

Sections should be added to address conceptual aquifer testing at all remaining OUs.

Page 3. IR-6. Identify the wells proposed for slug testing. A discussion of the bedrock ravine identified for IR-10 should also extent to IR-6.

Page 5. Does the Navy propose to only do one slug test per well? Identify that the barometric pressure will be recorded continuously or specify the period and duration of the sampling event.

DHS Comments on
Results of Well Survey
Hunters Point Annex

Page 2 Site IR-2 Was the well construction diagram found to check for survey coordinates? Describe the level of effort used to find well B-4.

Page 3 Site IR-7 Was there any indication if the "fibrous (root) material" compromised the well integrity?

Site IR-8 Were the well construction diagrams found to check for survey coordinates? Describe the level of effort used to find wells W-4 and W-7.

Results of Water-Level and specific Conductance Measurements

Identify a range of conductivity measurements for Bay waters surrounding the Hunters Point area.

Table 1 Identify the Total Depth column as the measured well depth obtained when sounding the wells. The DHS recommends that a column identifying the wells constructed T.D. be added to the Table.

The text description for well B-5 indicated a rapidly deteriorating well locking cover. In Table 1, indicate the locking cover will be replaced.

DHS Comments on
Plan for Pilot Tidal Influence Study
Hunters Point Annex

Page 2 The proposed location of the stilling tube should be identified in Plate 1.

The DHS recommends continuous barometric pressure recording devices.

~~Specify if monitor well water and Bay water immediately adjacent to Hunters Point will be field sampled for pH and conductivity in conjunction with field monitoring activities.~~

DHS Comments on
Tidal Influence Monitoring Plan
Hunters Point Annex

Page 1 Pgph 4. All five of the Operable Units should be included in the TIMP.

Page 3 Pgph 5. RI reconnaissance phases have been completed at sites IR-1 through IR-11.

Page 7 Section 4.0 The DHS recognizes that reference is made to application of "The same technical approach and rational ..." for each OU identified in section 6, but for clarity, suggests a statement in Section 4.0 indicating that all OUs will follow the Technical Approach and Rational section.

Pgph 3. The DHS recommends that a minimum of two wells be selected from each site for the TIMP. Further comments on well selection are identified in comments on sections 5 and 6.

Page 8 Section 4.1 Group V sites should also be discussed in section 4.1.

Page 9 Section 4.2.1 Indicate if the recorders will be continuous or specify the recommended sampling period and duration. Specify that the tidal or staff gauges will be constructed to minimize wave influence.

Section 4.2.2 The DHS recommends continuous barometric pressure recording devices.

Section 4.2.3 The DHS recommends the Bay water immediately adjacent to Hunter Point also be sampled for pH, conductivity, TDS and salinity in conjunction with field monitoring activities.

Page 10 Section 5.0 See comments for sections 4.2.1 and 4.2.2.

Section 5.1 Water level data should be presented to supplement the text.

Page 11 Section 5.1.1 Since a ravine is suspected in the area of IR-6, the DHS recommends the addition of either IR06MW40 or IR06MW41 to the TIMP. Addition of either well would also help correlate IR-10 and IR-6 data.

DHS Comments on
Tidal Influence Monitoring Plan (Cont.)
Hunters Point Annex

Page 11 Section 5.1.3 Since well IR09MW38 is closer to the potential contamination source, DHS recommends that it also be included in the TIMP.

Page 12 Section 6.0 Group V sites should also be included.

Page 13 Section 6.2 The DHS suggests that wells from IR-12 be evaluated prior to IR-4 or IR-5 since IR-12 is closer to the shore.

Section 7.0 The DHS would like to see the proposed tidal gauge stations identified on Plate 1.

The proposed well near the intersection of Donahue St. and Galvez Ave. and the proposed well Northwest of Horne Ave. appear to be very near surface bedrock exposures. The DHS is not sure the well placement is feasible. Additionally, the well located at the intersection of Spear Ave., 6th Ave. and "I" St. would not be required if wells from IR-12 are selected for use in the TIMP.

**RWQCB COMMENTS ON
THE TIDAL INFLUENCE MONITORING PLAN AND
AQUIFER TESTING**

**DHS AND RWQCB COMMENTS ON
THE TIDAL INFLUENCE MONITORING PLAN AND
AQUIFER TESTING**

**THE ABOVE IDENTIFIED COMMENTS ARE NOT
AVAILABLE.**

**EXTENSIVE RESEARCH WAS PERFORMED BY
SOUTHWEST DIVISION TO LOCATE THESE
COMMENTS. THIS PAGE HAS BEEN INSERTED
AS A PLACEHOLDER AND WILL BE REPLACED
SHOULD THE MISSING ITEM BE LOCATED.**

QUESTIONS MAY BE DIRECTED TO:

**DIANE C. SILVA
RECORDS MANAGEMENT SPECIALIST
SOUTHWEST DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
1220 PACIFIC HIGHWAY
SAN DIEGO, CA 92132**

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