

DEPARTMENT OF HEALTH SERVICES
TOXIC SUBSTANCES CONTROL PROGRAM
700 HEINZ AVE., BLDG. F, SUITE 200
BERKELEY, CA 94710-2737



(415) 540-3724

March 20, 1991

REC'D 3/25/91

Captain L.I. Williams
Commanding Officer
Naval Air Station
Alameda, CA 94501-5000

Dear Captain Williams:

**DHS COMMENTS ON THE DRAFT HYDROLOGY AND PROPOSED CHANGES
REPORT FOR PHASE 5 OF THE RI/FS - NAS ALAMEDA**

Enclosed are the Department of Health Services (Department)
comments on the above referenced work plan.

Please respond to the comments within 30 days of receipt of this
letter.

If you have any questions regarding these comments, please
contact Chein Kao at (415) 540-3822.

Sincerely,

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

Enclosure:

cc: Mr. Randy Cate
Project Officer
Naval Air Station (Code 52)
Alameda, CA 94501-5000

Ms. Bella Dizon
Western Division
Facilities Engineering
900 Commodor Drive
San Bruno, CA 94066

Mr. Rico Duazo
S.F. RWQCB
1800 Harrison St., Rm 700
Oakland, Ca 94512

ADMIN RECORD

549

DHS Comments on the
DRAFT HYDROLOGY AND PROPOSED CHANGES
FOR PHASE 5 OF THE RI/FS - NAS ALAMEDA

General Comments: Explain why geophysical techniques were not proposed to better define the channel boundaries. The channel would be a preferential pathway for contaminant migration.

The report implies that a tidal influence study is necessary to fully characterize the groundwater. The Department concurs and recommends that the Navy prepare a tidal influence study workplan and aquifer testing workplan (see comment on Section 5.2) for submittal to the regulatory agencies.

<u>Pg</u>	<u>Sec</u>	<u>Pgph</u>	<u>Comment</u>
17	4.3	1	The section does not specifically state that the two additional deep wells in the channel <u>would</u> be installed. The Department believes that the two deep wells <u>should</u> be installed.
18	5.1	1	The Department concurs with the technical justification for not placing intermediate wells in the east, south or north areas of the landfills. It would appear that the Bay Mud Aquitard does extend from approximately the middle of the landfills westward. However, the western portion of the Bay Mud Aquitard would hinder the downward migration of "sinkers" from the western portion of the landfills. The Department recommends that monitor wells be installed along the western side (Figure 1 locations; M-01, M-02, M-18 through M-29) of the landfills to monitor for contaminants at the Bay Mud Sand/Bay Mud Aquitard interface. Line 9. Reference Figure 1.
19	5.2		It is unclear as to whether the intent of this section is simply acknowledging that aquifer testing will be done, or if this section is the proposed Aquifer Testing workplan. As an Aquifer Testing workplan, it is deficient and would require more detailed information (i.e. pumping well construction and screen intervals, observation well construction and screen intervals, identification of tidal measurement locations, data recording intervals, pumping rates and justifications, modeling techniques to be used to evaluate the aquifer tests, continuous barometric recording devices, etc.) prior to approval.

- Figure 4 Legend - Box needs symbol added to represent the Yellow-Brown sand. WB-2 and DA-1 boring logs need Merritt sand areas filled in with the appropriate symbol.
- Figure 5 The "Fill" line between borings WB-1 and WB-4 needs to be corrected to above the soft clay in WB-1.
- Figure 7 Legend - Box needs symbol added to represent the Yellow-Brown sand.