



December 20, 1990

(415) 540-3724

Commanding Officer
Naval Station Treasure Island
Building I (Code 84)
San Francisco, CA 94130-5000

Attn.: Mr. Eddie Sarmiento

Dear Mr. Sarmiento:

**DHS COMMENTS ON THE RECOMMENDATIONS FROM THE FIRST ROUND OF
GROUNDWATER SAMPLING FOR IR-6, IR-8 AND IR-9 - HUNTERS POINT ANNEX**

Enclosed are the Department of Health Services comments on the first round of groundwater sampling analysis and recommendations for the Tank Farm (IR-6), Building 503 PCB Spill Area (IR-8) and the Pickling and Plate Yard (IR-9).

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

Sincerely,

A handwritten signature in cursive script, reading "Mark Malinowski".

Mark Malinowski
Engineering Geologist
Site Mitigation Branch
Region 2
Toxic Substances Control Program

Enclosure
cc: See attached list

cc: Ms. Louise Lew (Code 1811)
Western Division
Naval Facilities Engineering
P.O. Box 727
San Bruno, CA 94066-0720

Mr. Richard Powell
Western Division
Naval Facilities Engineering
P.O. Box 727
San Bruno, CA 94066-0720

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

Mr. Tom Gandesbery
S.F. RWQCB
1800 Harrison Street, Suite 700
Oakland, CA 94612

DHS Comments
First Round Groundwater Sampling
Tank Farm, IR-6

DRAFT

INTRODUCTION, Pgph 4.

Previous soil and groundwater sampling analyses should be reviewed prior to proposing modifications to the analytical program for future groundwater sampling.

GROUNDWATER SAMPLING METHODS

The report should indicate the presence or lack of floating product or a sheen for monitor wells at this site.

RECOMMENDATIONS

Based on previous soil sampling results and the groundwater results (hexavalent chromium and TPH as gasoline was not detected), the DHS concurs with the deletion of hexavalent chromium and TPH as gasoline analyses for the Tank Farm (IR-6) site.

Table 1

Based on the data presented in Table 1, three wells (IR06MW23, 30 and 32) may have floating product that would not be detected during sampling. Please add the Top-of-Casing (TOC) surveyed elevations to the table to

Based on soil boring sampling results and the first round of groundwater sampling, the DHS recommends that a well be installed within the burmed area of the large fuel tank. The monitor well should be placed to check for the presence of floating product.

DHS Comments
First Round Groundwater Sampling
Building 503 PCB Spill Area, IR-8

INTRODUCTION, Pgph 4.

Previous soil and groundwater sampling analyses should be reviewed prior to proposing modifications to the analytical program for future groundwater sampling.

RECOMMENDATIONS

Based on previous soil sampling results (SOCs were present), the DHS does not concur that SOC analyses be dropped. Previous soil sampling did not detect hexavalent chromium or TPH (diesel or gasoline.) The DHS concurs with the deletion of TPH (gasoline and diesel) and hexavalent chromium from further analysis for Building 503 PCB Spill Area, (IR-8).

Table 1

Please add the Top-of-Casing (TOC) surveyed elevations to the table.

DHS Comments
First Round Groundwater Sampling
Pickling and Plate Yard, IR-9

DRAFT

INTRODUCTION, Pgph 4.

Previous soil and groundwater sampling analyses should be reviewed prior to proposing modifications to the analytical program for future groundwater sampling.

RECOMMENDATIONS

Based on previous soil sampling results (SOCs were present), the DHS does not concur that SOC or cyanide analyses be dropped. The DHS concurs with the deletion of TPH as diesel from further analysis for the Pickling and Plate Yard, (IR-9). Previous soil and groundwater sampling did not detect TPH as diesel.

Table 1

Please add the Top-of-Casing (TOC) surveyed elevations to the table.

12-20-90

SIGN IN SHEET

<u>NAME</u>	<u>AFFILIATION</u>	<u>TELEPHONE</u>
MARY LUCAS	HLA	899-7350
RICHARD POWELL	NAVY	(415) 244-2555
Mark Malinowski	DHS-Reg 2	(415) 540-3816
Tom Gundersberg	RWQCB	(415) 464-0841
CHUCK Phipps	ERA	(415) 744-2388
ROGER ROBERT BECHTEL		(415) 768-9120
LESTER FELDMAN	RWQCB#2	(415) 464-1332
Carl Michelsen	HLA	(415) 899-7358

Preliminary analytical results for Sample 9043J049, from IR - 3:

	<u>Analytes Detected</u>	<u>Results</u>
1. Metals, mg/Kg:	Chromium	1.7
	Copper	49
	Iron	27
	Nickel	6.0
	Sodium	1,100
	Vanadium	14
	Zinc	8.3
2. TPH, mg/L:	Gasoline	15,000
	Diesel	5,400
3. Volatiles, mg/L:	Chlorobenzene	170
	Total xylenes	65
4. Semivolatiles, mg/L:	2-Methylnaphthalene	1,300
	Naphthalene	490
	Phenanthrene	330
5. Tentatively identified compounds (TIC)		
Volatiles, mg/L:	Substituted benzenes	5,000
Semivolatiles, mg/L:	Unknown hydrocarbons	30,000
	Polynuclear aromatic hydrocarbons	8,000
6. PCBs, mg/L:	Aroclor 1260	84

DHS Comments
First Round Groundwater Sampling
Tank Farm, IR-6

INTRODUCTION, Pgph 4. Previous soil and groundwater sampling analyses should be reviewed prior to proposing modifications to the analytical program for future groundwater sampling.

GROUNDWATER SAMPLING METHODS The report should indicate the presence or lack of floating product or a sheen for monitor wells at this site.

RECOMMENDATIONS Based on previous soil sampling results and the groundwater results (hexavalent chromium and TPH as gasoline was not detected), the DHS concurs with the deletion of hexavalent chromium and TPH as gasoline analyses for the Tank Farm (IR-6) site.

Table 1 Based on the data presented in Table 1, three wells (IR06MW23, 30 and 32) may have floating product that would not be detected during sampling. Please add the Top-of-Casing (TOC) surveyed elevations to the table to.

Based on soil boring sampling results and the first round of groundwater sampling, the DHS recommends that a well be installed within the burmed area of the large fuel tank. The monitor well should be placed to check for the presence of floating product.

DHS Comments
First Round Groundwater Sampling
Building 503 PCB Spill Area, IR-8

INTRODUCTION, Pgph 4. Previous soil and groundwater sampling analyses should be reviewed prior to proposing modifications to the analytical program for future groundwater sampling.

RECOMMENDATIONS Based on previous soil sampling results (SOCs were present), the DHS does not concur that SOC analyses be dropped. Previous soil sampling did not detect hexavalent chromium or TPH (diesel or gasoline.) The DHS concurs with the deletion of TPH (gasoline and diesel) and hexavalent chromium from further analysis for Building 503 PCB Spill Area, (IR-8).

Table 1 Please add the Top-of-Casing (TOC) surveyed elevations to the table.

DHS COMMENTS
First Round Groundwater Sampling
Pickling and Plate Yard, IR-9

INTRODUCTION, Pgph 4. Previous soil and groundwater sampling analyses should be reviewed prior to proposing modifications to the analytical program for future groundwater sampling.

RECOMMENDATIONS Based on previous soil sampling results (SOCs were present), the DHS does not concur that SOC or cyanide analyses be dropped. The DHS concurs with the deletion of TPH as diesel from further analysis for the Pickling and Plate Yard, (IR-9). Previous soil and groundwater sampling did not detect TPH as diesel.

Table 1 Please add the Top-of-Casing (TOC) surveyed elevations to the table.