

July 11, 1989
88-44-380-01-132



Mr. Larry Seto
Alameda County Health Care Services Agency
Department of Environmental Hazardous Material
80 Swan Way, Room 200
Oakland, California 94621

Subject: INTERIM SOIL SAMPLING REPORT AND RECOMMENDATIONS
2724 Castro Valley Blvd.
Castro Valley, California

Dear Mr. Seto:

The purpose of this letter is to present results of the recent soil sampling at the site and to request approval to backfill the existing excavation in order to continue the soil remediation activities and planned station reconstruction.

Approximately 1500 yards of soil have been excavated and removed from the location of the former fuel tanks. The dimensions of the present excavation are 61' in length, 52' wide, and 12.5' deep. Soil samples of the north, east and south sidewalls have been collected and analyzed. A sample of the water at the bottom of the excavation has also been taken and is being analyzed.

Converse Environmental Consultants California (CECC) has performed soil sampling of the excavation sidewalls at the above site. Figure 1 shows a diagrammatic plot plan of the site and Figure 2 shows the soil sample locations with a listing of the analytical results. Table 1 summarizes the analytical results of the samples.

Further excavation to the north is not feasible because the station building will be undermined. Further excavation to the east is limited by a near surface phone line service trench and neighboring florist shop building. The south wall has been excavated as close to the sidewalk along Castro Valley Blvd as is safe. Shell Oil Company requests approval to backfill the existing excavation.

*Removed to
where?*

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This will allow continued construction efforts at the station which include the removal of contaminated soils from the vicinity of the pump islands.

Some onsite areas of suspected soil contamination, such as beneath the station building, will be inaccessible for remediation by direct soil removal. In addition, there is also a possibility that both soil and groundwater contamination exists offsite. The extent of any soil contamination beyond the property boundaries is currently unknown. There are no groundwater monitoring wells in the vicinity to check groundwater quality. Therefore, Shell will prepare and submit a Work Plan to address the potential for offsite contamination of both soils and groundwater from former tank content contamination. A program of investigation of soil and groundwater will be proposed. On and offsite soil borings will define the extent of soil contamination. On and offsite monitor wells will investigate the extent of water contamination. This investigation will proceed in a phased approach until the extent of contamination originating at the station is determined. The work plan will also address possible remediation plans through the use of critical path planning.

Yours very truly,

CONVERSE ENVIRONMENTAL CONSULTANTS CALIFORNIA



Robert K. Mansfield

Project Manager

California Registered Geologist # 4529

RKM:fs

Enclosures

cc: Ms. Leslie Ferguson - San Francisco Regional Water Quality Board - w/att

Mr. Ray Newsome - Shell Oil Company - Concord - w/att

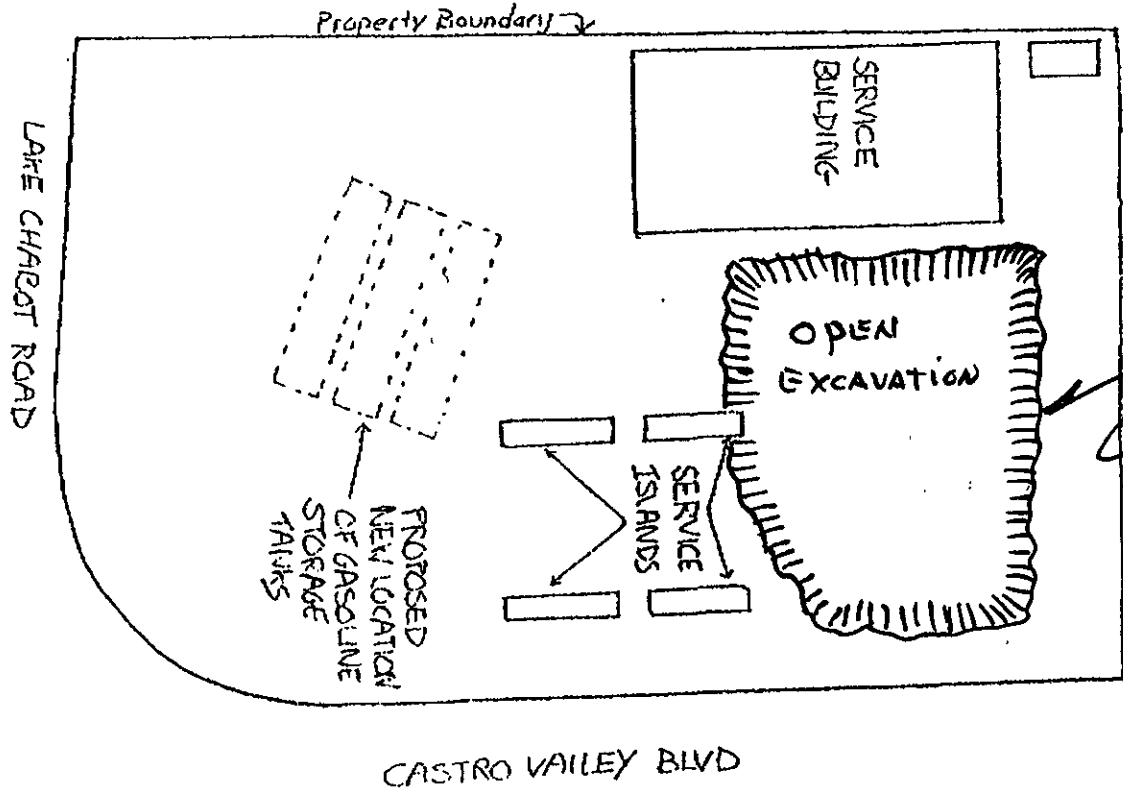
Mr. George Nachtigall - Shell Oil Company - Houston - w/att

TABLE 1 SOIL SAMPLES OF THE TANK PIT SIDEWALLS

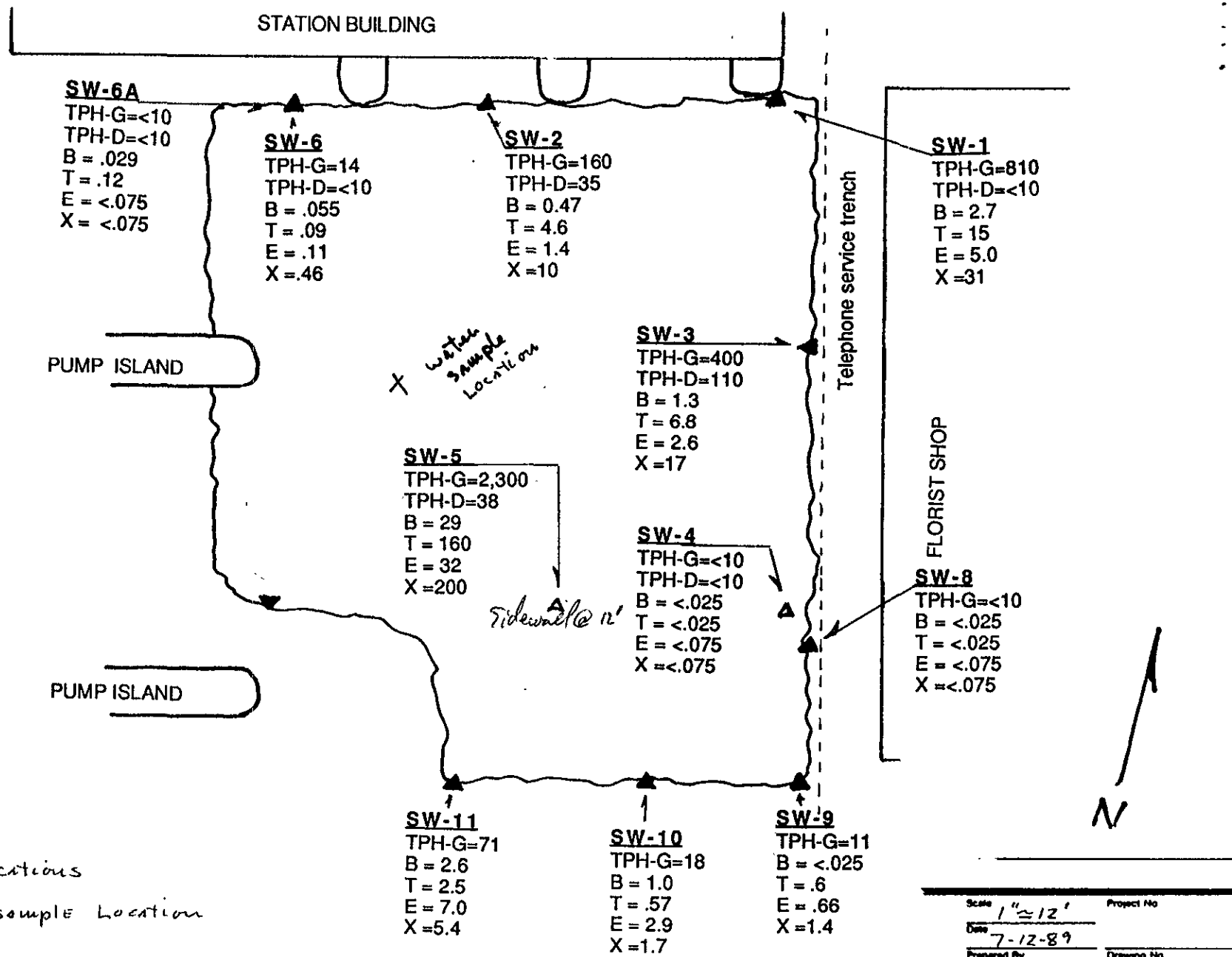
location / date	tph-g	tph-d	B	T	E	X
SW-1 / 6-12	810	<10	2.7	15	5.0	31
SW-2 / 6-12	160	35	0.47	4.6	1.4	10
SW-3 / 6-12	400	110	1.3	6.8	2.6	17
SW-4 / 6-12	<10	<10	<.025	<.025	<.075	<.075
SW-5 / 6-12	2,300	38	29	160	32	200
SW-6 / 6-12	14	<10	0.055	0.09	0.11	0.46
SW-6A / 6-12	<10	<10	0.029	0.12	<.075	<.075
SW-7 / 6-12	<10	<10	0.061	0.14	0.19	<.075
SW-8 / 7-5	<10	NA	<.025	<.025	<.075	<.075
SW-9 / 7-5	11	NA	<.025	0.6	0.66	1.4
SW-10 / 7-5	18	NA	1.0	0.57	2.9	1.7
SW-11 / 7-5	71	NA	2.6	2.5	7.0	5.4

NOTES:

1. NA = not analyzed.
2. A sample of the water in the bottom of the pit was collected 7-06-89. The results will be forwarded when the analysis is complete.
3. All sidewall samples were collected from soils retrieved from the pit by either backhoe or excavator.
4. Soil from which samples SW-4 and SW-5 were taken have been excavated and removed.



Scale	NOT SHOWN	Project No
Date	7-10-89	
Prepared By	YKLU	Drawing No
Checked By	YKLU	
Approved By		1



Converse Environmental Consultants California