

Stan Schmidt
1045 Hoge Rd.
Reno, Nevada
89506

P & D ENVIRONMENTAL
A Division of Paul H. King, Inc.
4020 Panama Court
Oakland, CA 94611
(510) 658-6916

FAX TRANSMITTAL
COVER SHEET

Date: 10/22/96 Job #: 0132

To: ms. Juliett Shin

Company: ACDEH

From: Ahmad Ghandour
P&D ENVIRONMENTAL

Number of pages in this transmittal, including this cover sheet: 10

SUBJECT: 22313 Meekland Avenue, Hayward, CA

MESSAGE: Juliett,

As per your request, TAC Environmental
Services Report dated August 27, 1996.
Any questions please call us.
Site is mostly paved

Ahmad

If transmittal is incomplete, please call (510) 658-6916.
P&D Environmental fax number: (510) 658-9074.

DESTINATION FAX NUMBER: (510) 337-9335



TAC Environmental Services

Technology, Assessment and Compliance

August 27, 1996

Reference: TAC Project #SP039-054

Mr. Stanley F. Schmidt
1045 Hoge Road
Reno, NV 89506-9006

**SUBJECT: LETTER REPORT OF SOIL SAMPLING ACTIVITIES CONDUCTED AT
22313 MEEKLAND AVENUE, HAYWARD, CA**

Dear Mr. Schmidt:

TAC Environmental Services respectfully submits this letter report of soil sampling field activities conducted at the above mentioned site for your review and consideration. All field and analytical activities were performed in accordance with all applicable federal, state, and local regulatory guidelines and requirements.

Please contact us at your convenience if you have any questions concerning the data presented in this report or if you require any further assistance.

Sincerely,

David C. Solis, P.E.
Vice President, Operations
Sr. Project Manager

Corporate Office, Concordia, CA
(707) 864-4760

Oakland, CA
(510) 419-4912

INTRODUCTION

This report presents an account of soil sampling field activities, analytical findings, conclusions, and recommendations pertaining to the limited environmental investigation which was conducted at 22313 Meekland Ave., Hayward, California.

BACKGROUND

The subject site is located at 22313 Meekland Ave., Hayward, CA. The site is a rectangular shaped lot which is slightly sloped to the west. A single story building is maintained on the eastern edge of the property. The site is bounded on the east by Meekland Avenue, on the west by a Southern Pacific right of way, and on the south and north by small commercial/industrial complexes. The on-site facility was most recently utilized as a machine shop.]*

SCOPE of WORK

Site Inspection

Visual observations made at the site indicated a copious amount of severe surface staining on the asphalted surface located at the western portion of the lot. The stains appeared to be of a hydrocarbon nature (oil and grease) and were sporadic and wide-spread throughout the back lot. A wooden deck was observed at the western corner of the building. A nozzle connected to what appeared to be a "fill-pipe" was noted within the deck area. The flooring and under-side of the deck were also observed to be heavily stained with an oily substance. Oil staining was also noted along the western fence line of the property boundary.

Soil Sampling

One soil boring was advanced to a depth of 1.5 feet below grade surface (bgs). This boring is defined as SB-1. The boring was located in one of the more heavily stained areas at the southwest corner of the property. The soil boring was advanced utilizing a hand auger and a soil sample was collected with a split spoon hand driven sampler at a depth of 1-1.5 ft. bgs. The soil sample collected was screened on-site with a Photoionization Detector (PID), packaged in a brass sleeve, and submitted under proper chain of custody protocol to McCampbell analytical Laboratory of Pacheco, CA for analysis.

The sample was tested for its petroleum hydrocarbon content, specifically, Total Petroleum Hydrocarbons as Gasoline (TPH-g), as Diesel (TPH-d), Volatile Organic Compounds (VOC), and Oil and Grease (TPH-O&G) using EPA methods 8015, 5520, and 8240 respectively.

The borehole was immediately backfilled with bentonite upon completion of sampling procedures.

Analytical Results

The resultant analytical findings indicate that the shallow subsurface in the vicinity of SB-1 has been impacted by detectable levels of hydrocarbon constituents. The predominant compound appears at this point to be the heavier hydrocarbons typically found in diesel and oil products. Values of contaminant concentrations for the SB-1 location are; 140 ppm TPH-g or Stoddard, 2,800 TPH-d or Stoddard, and 12,000 ppm TPH-O&G. No detectable levels of any of the VOC constituents were realized at this location. Copies of the certified laboratory reports are presented in Appendix A.

CONCLUSIONS

Upon evaluation of data obtained from the site inspections and review of the analytical data the following conclusions are presented:

- Heavy petroleum hydrocarbon staining was observed throughout most of the asphalted surface of the back lot of the property.
- The wooden deck located adjacent to the western edge of the on-site structure and the asphalt surface underneath were observed to be heavily stained by petroleum hydrocarbons.
- The shallow subsurface at the southwestern edge of the property has been impacted by elevated levels of hydrocarbons.

RECOMMENDATIONS

Based on the data obtained and evaluation of the analytical results, TAC offers the following recommendations:


A limited environmental geological survey of the shallow subsurface which will include on-site soil borings and chemical analysis to verify the presence of and define the full lateral and vertical extent of the soil hydrocarbon contaminant plume should be considered.

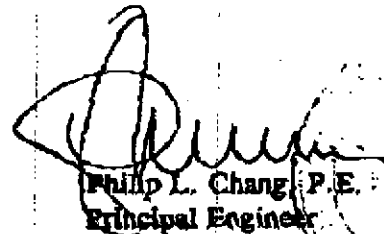
LIMITATIONS

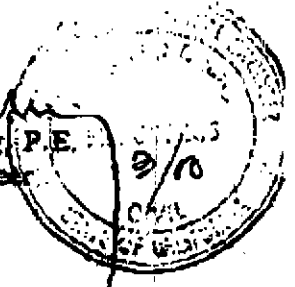
This report has been prepared in accordance with generally accepted environmental, geological and engineering practices. No warranty, either expressed or implied, is made as to the professional advice presented herein. The analysis, conclusions and recommendations contained in this report are based upon site conditions as they existed at the time of the investigation and they are subject to change.

The conclusions presented in this report are professional opinions based solely upon visual observations of the site and vicinity, and interpretation of available information as described in this report. The scope of services performed in execution of this investigation may not be appropriate to satisfy the needs of the other users and any use or reuse of this document or its findings, conclusions or recommendations presented herein is at the sole risk of said user.

Respectfully submitted,


David C. Solis, P.E.
Sr. Project Manager


Philip L. Chang, P.E.
Principal Engineer



MCCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94533
Tel: 510-798-1620 Fax: 510-798-1622

TAC Environmental Services 151 Link Road Cordelia, CA 94535	Client Project ID: 300MM01, Hayward	Date Sampled: 08/09/96
	Client Contact: Dave Sells	Date Received: 08/12/96
	Client P.O.:	Date Extracted: 08/20/96
		Date Analyzed: 08/24/96

8240 = ND

Lab ID		67866	
Client ID		SB-1	
Matrix		S	
Compound	Concentration*	Compound	Concentration*
Acetone (b)	ND < 50	cis-1,3-Dichloropropene	ND < 25
Benzene	ND < 25	trans-1,3-Dichloropropene	ND < 25
Bromodichloromethane	ND < 25	Ethylbenzene	ND < 25
Bromobenzene	ND < 25	Methyl butyl ketone (d)	ND < 25
Bromomethane	ND < 25	Methylene Chloride (e)	ND < 25
Carbon Disulfide	ND < 25	Methyl ethyl ketone (f)	ND < 25
Carbon Tetrachloride	ND < 25	Methyl isobutyl ketone (g)	ND < 25
Chlorobenzene	ND < 25	Styrene (h)	ND < 25
Chloroethane	ND < 25	1,1,2,2-Tetrachloroethane	ND < 25
2-Chloroethyl Vinyl Ether (i)	ND < 25	Tetrachloroethene	ND < 25
Chloroform	ND < 25	Toluene (j)	ND < 25
Chloromethane	ND < 25	1,1,1-Trichloroethane	ND < 25
Dibromochloromethane	ND < 25	1,1,2-Trichloroethane	ND < 25
1,2-Dichlorobenzene	ND < 25	Trichloroethene	ND < 25
1,3-Dichlorobenzene	ND < 25	Trichlorofluoromethane	ND < 25
1,4-Dichlorobenzene	ND < 25	Vinyl Acetate (m)	ND < 25
1,1-Dichloroethane	ND < 25	Vinyl Chloride (k)	ND < 25
1,2-Dichloroethane	ND < 25	Xylenes, total (n)	ND < 25
1,1-Dichloroethene	ND < 25	Surrogate Recoveries (%)	
cis-1,2-Dichloroethene	ND < 25	Dibromofluoromethane	93
trans-1,2-Dichloroethene	ND < 25	Toluene-d8	97
1,2-Dichloropropane	ND < 25	4-Bromofluorobenzene	110

Comments: i

Reporting limits unless otherwise stated: water samples 5 ug/L; vapor samples 0.5 ug/L; soil and sludge samples 5 ug/kg
 * water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg and all TCLP extracts in ug/L
 ND means not detected above the reporting limit; NA means analysis not applicable to this method
 (b) 1,1,1-trichloroethane or dimethyl ketone; (c) 1,2-dichloroethane; (d) ethylbenzene; (e) 1,1,1-trichloroethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropyl acetone; (h) higher than water immiscible solvent is present; (i) liquid sample that contains greater than ~ 5 vol % sediment; (j) sample effluent due to high organic content; (k) ethylbenzene; (l) methylacetone; (m) acetic acid ethyl ester; (n) ethylbenzene; (o) dimethylacetone.

DKS Certification No. 1644

EH
Edward Hamilton, Lab Director

TAC

CHAIN OF CUSTODY

Environmental
Services

131 Link Road, Girders, GA 30325
(770) 864-4760 (800) 864-6600 FAX

ANALYSIS REQUEST

OTHER

Date: 3.12.98
Sheet 1 of 1

Project Name: Summer
Project #: _____ Location: HAYWARD
Laboratory: H. L. C. Environmental
Sampler Signature: N. C. S.

SAMPLE ID.	LOCATION	Sampling		Matrix	# containers	BTEX & TPH as Gasoline (8015)	TPH as Diesel (8016)	Total Petroleum Oil & Grease (5520 B & F) (5620 B & F)	Total Petroleum Hydrocarbons (#18.1)	EPA 8018010 Purgeable Halocarbons	EPA 8072/8020 Purgeable Aromatics	EPA 8060/8060 Organochlorine Pesticides and PCB's	EPA 608/8080 PCB's - only	EPA 8214/8214-200 Purgeable Organics	CAMEL 17 metals	Pb, Cr, Cd, Ni, Zn	RCI
		Date	Time														
SK-1	E-10"	3/1		S	1	X	X	X					X				

TURN AROUND TIME

RUSH 24 HOUR

48 HOUR NORMAL

COMMENTS

Requisitioned by: <u>N. C. S.</u>	Date: <u>3/12</u>	Time: <u>7:00am</u>	Received by: <u>[Signature]</u>
Requisitioned by: _____	Date: _____	Time: _____	Received by: _____
Requisitioned by: _____	Date: _____	Time: _____	Received by: _____

Remarks: PRESERVATIVE APPROPRIATE CONTAINERS

GOOD CONDITION

HEAD SPACE ABSENT