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1045 Hoge Rd.
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89506

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

# FAX TRANSMITTAL COVER SHEET

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To:	ms. Juliet Shin	
Company:	ACDEH	
From: P&D	Ahmad Ghandour ENVIRONMENTAL	
Number of	pages in this transmittal, including	g this cover sheet: 10
•	22313 Meckland Avenu	ic, Hayward, CA
MESSAGE:	Julia,	<u> </u>
	As per your request,	TAC Environmental
	Sorvices Report dat	ted August 27, 1996.
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<u></u>	Site is mostly paved	d
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If transm P&D Envir	nittal is incomplete, please call (510 conmental fax number: (510) 658-9074.	
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# TAC Environmental Services

Technology, Austement and Compliance

August 27, 1996

Reference: TAC Project #SF039-054

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 Officer Condelia, CA (707) 861-4760 Oakland, CA (510) 419-4912

#### INTRODUCTION

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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.

#### SCORE of WORK

### Site Idspection

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 (vil 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 fenceline of the property boundary

# Soil Sampling

One spil boring was advanced to a depth of 1.5 feet below grade surface (bgs). This boring is defined as SB-I. 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 acrosped on-site with a Photoionization Detector (PID), packaged in a brass siceve, and submitted under proper chain of custody protocol to McCampbell analytical Laboratory of Pacheco, CA for analysis.

The sample was tested for it's 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 dorehole was immediately backfilled with bentonite upon completion of sampling procedures.

#### Analytical Results

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The resultant analytical findings indicate that the shallow subsurface in the vicinity of SB-lines been impacted by detectable levels of hydrocarbon constituents. The predominant compound appears at this point to be the heavier hydrocarbons typically found in dieset 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 one 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

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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,

Sr. Project Manager

Chane Principal Engine 5106589074

McCAMPBELL ANALYTICAL INC. 110 20d Altoue South, #D7, Packeto, CA 91553
Tele: 510-798-1600 Pec: 510-798-1622

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Edward Heinilton, Usb Director

McCAMPBEL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pachoco, CA 94553 Tel: \$10-798-1620 Pax: 510-798-1622

TAC Environmental Services Chant Project ED: Sonnuct, Hayward Date Sampled: 08/09/96 151 Link Road Date Received: 04/12/95 Cordelia, CA 94585 Clicat Contact: Daw Solls Date Extracted: 08/20/96 Cheat P.O; Date Applyzed: 04/24/96 Vobille Organies By GC/MS Edd meihod 624 or 8340 8240 =ND Lab ID 67868 CHAMIT 38-1 Matrix Соперопад Canoniffettase A cetone (6) Cumpound Consent stick ND< 50 64-1.3-Dichloropropone Dinzene ND< 25 ND< 25 Van 13-Diehleropropens ND≼ 25 Biomodishloremellane ND< 25 Ethylocazene Brome form ND< 25 ND< 25 Methys butyl ketone (d) Bromometizane ND< 25 ND< 25 Motaylene Chloride(s) Carbon Disultida NT>< 25 NO< 25 Muthyl athyl hetone 10 Carbon Tetrachloride ND< 25 ND< 25 Methyl isobutyl ketone (4) るくは C) lorobenzena ND = 25 Strane (k) Chloroethane ND< 25 NDK 25 1.1.22-Tetrachloroethane ND< 25 2 Chloroethyl Vinyl Ether (4) ND< 25 Tetrack)prosthene Chibroform NO< 25 <u>ND< 25</u> Toluens (i) ND< 25 Mromathune ND< 25 i, i, i-Trich foroethane ND4 25 Discomochioromethana ND< 25 1,1,2-Trick torouthane ND< 25 1.1-Dicklorobenseae NO< 25 Tricklorgetheas -Dichiorobonzene ND< 25 ND= 25 Tricklorofinaramethane ND < 25 -Dishlerobenzene ND< 25 Viayi Apriate (18) 1. Dichlerosthane NO < 25 ND< 25 Vinys Chloride (4) ND < 25 -Dichloroethane ND= 25 Xylenes, total (o) ND < 25 <u>lel-Dichlorostheno</u> MD< 25 Surrogata Recoveries (%) cu-1.2 Dichlorsechene Dibromoffporoniethene ND< 25 trans 1,2 Dichloroethane 93 ND< 25 Tolvene-48 97 1.1.Dichloropropene ND< 25 4-Bremofluerobenzene 110 Reporting limits unless either wise steind; were sumply 5 pg/L; raper tamples 0.5 ug/L; solid and studge samples 5 ug/cg ther and rapper strongles are reported in tight, well and slittly tampies in tighty and all Tight extract in right. NO means not detected above the reporting limit; N/A means analyse not applicable to this analysis

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\_Edward Hamilton\_Lab Director



Edward Hamilton, Lab Director

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Tele: 510-758-1620 Pax: 510-798-1622

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