BLAINE
TECH SERVICES INC.

1370 TULLY RD., SUITE 505
SAN JOSE, CA 95122
(408) 995-5535

June 25, 1987

Site: ALA2160
Proj.☐ Rem.☐ Rpt.☑ Bill☐
1☐ 2☐ 3☐ 4☐ 5☐ 6☐

Shell Oil Company
P.O. Box 4023
Lafayette, CA 94524

Attention: Ray Newsome

Re: Field sampling at

SHELL STATION
2160 OTIS
ALAMEDA, CA

JUNE 15, 1987

SAMPLING REPORT

Field sampling was undertaken in accordance with State and local enforcement agency standards and requirements for objective analytical information on the levels of residual contaminants found outside the primary containment structure. This project concerned the following:

Underground storage tank removal

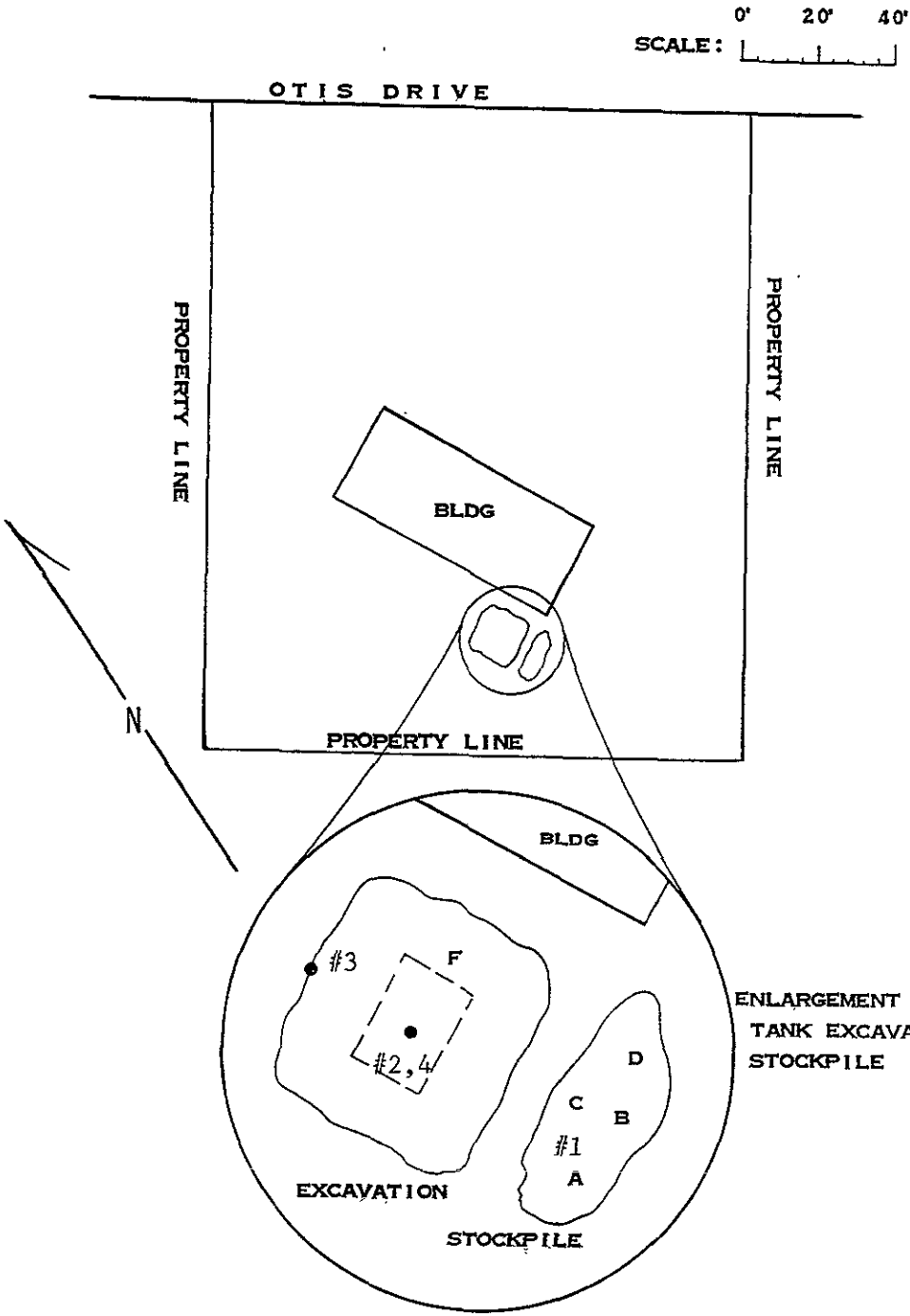
Reason for removal -- replacement with double containment tank

Type -- one 550 gallon waste oil

Age -- unspecified

Sampling was performed in accordance with approved methodology at the locations shown on the accompanying site diagram. Additional information is presented on the diagram including our field sampling designations and the lab identification numbers which reference the analytical results which will be found in the separate laboratory report. Sample material was collected in special containers appropriate to the type of analysis intended. Sample containers were sealed, chilled, and transported to the laboratory with standard chain of custody records maintained at each transmittal. This sampling report, the chain of custody, and the analytical report comprise the formal documentation of the sampling conducted during this phase of work at the site.

SAMPLING REPORT 87165T1 6-15-87 SHELL OIL, 2160 OTIS DRIVE, ALAMEDA, CA.



ENLARGEMENT OF WASTE OIL TANK EXCAVATION AND STOCKPILE

MAP REF: THOMAS BROS. ALAMEDA COUNTY P. 11 C-6

LEGEND: F = FILL END

#1 STOCKPILE SOIL COMPOSITE FROM SAMPLE POINTS A-D
ANALYSIS FOR TOTAL LEAD(TTLC), SOLUBLE LEAD (STLC), ORGANIC LEAD, AND FLASHPOINT AT SEQUOIA ANALYTICAL LABORATORY
SEQUOIA LAB NO. 7061149

#2 SOIL FROM 7'
ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS (TPH) - HIGH BOILING FRACTION, TOTAL OIL AND GREASE (TOG), EPA 8010, AND EPA 8020
SEQUOIA LAB NO. 7061150

#3 SOIL FROM WALL AT 3.5'
ANALYSIS FOR TPH
SEQUOIA LAB NO. 7062310

#4 SUBSURFACE WATER SAMPLE
ANALYSIS FOR TOG
SEQUOIA LAB NO. 7062312

SAMPLING PERFORMED BY TIM BABCOCK
DIAGRAM PREPARED BY BRENT E. ADAMS

REPORTAGE

Submission to the Regional Water Quality Control Board and the local regulatory/enforcement agency should include copies of the sampling report, the chain of custody, and the laboratory report. The property owner should attach a cover letter and submit all documents together in a package.

The following addresses have been listed here for your convenience:

Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street
Room 6040
Oakland, CA 94607
ATTN: Tom Callaghan

Alameda County Health
Hazardous Materials Management
420 27th Street
Oakland, Ca 94612
ATTN: Ted Gerow

Alameda Fire Dept.
1300 Park Street
Alameda, CA 94501
ATTN: Steve McKinley

Please call if we can be of any further assistance.

Richard C. Blaine

RCB/djt

BLAINE TECH SERVICES INC.
P.O. BOX 5745
SAN JOSE, CA 95150
(408) 723-3974

PROJECT NUMBER: 87165-T1

SITE ADDRESS: Shell @ 2160 OTIS Alameda, Ca

PLEASE INCLUDE PROJECT NUMBER AND SITE ADDRESS ON LAB REPORTS AND INVOICES

TURN-AROUND 48 hr. for #2 1 week for #1 RESULTS BY 6/17/87 LAB USED SEQ

BILLING
( ) Bill Blaine Tech Services
( ) BILL

SPECIAL INSTRUCTIONS: Composite #1 A,B,C,D to be run as 1 sample

I.D.	TYPE	ANALYSIS TO DETECT	LAB #	LAB RESULTS
1ABCD	soil	lead series, fl.pt.		
2	soil	TOG, TPH(ABF), 8010 8020		
3	soil	~~total~~ TOG 1 wk.		
4	water	~~total~~ TOG 1 wk.		

Field sampling completed 12:52 AM/PM 6-15-87 performed by [signature]

RELEASED BY		ACCEPTED BY	
1:53 AM/PM 6-15-87	[signature]	1:53 AM/PM 6-15-87	[signature]
:__ AM/PM - -87		:__ AM/PM - -87	
:__ AM/PM - -87		:__ AM/PM - -87	

SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Blaine Tech Services
P.O. Box 5745
San Jose, CA 95150
Attn: Richard Blaine

Date Sampled: 06-15-87
Date Received: 06-15-87
Date Reported: 06-22-87

BTS #87165-T1

Sample Number	Sample Description
7061149	Soil Composite #1 a-d Shell at 2160 Otis in Alameda, CA

ANALYSIS

Flashpoint, °C	> 110

	STLC mg/L	TTLC mg/kg-wet wt.
Lead	0.16	8.2
Organic Lead	--	0.42

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

sls

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Attn: Richard Blaine

Date Sampled: 06-15-87
Date Received: 06-15-87
Date Reported: 06-17-87
BTS #87165-T1

Sample Number	Sample Description	Detection Limit ppm	Gravimetric Waste Oil as Petroleum Oil ppm
7061150	Soil #2 Shell at 2160 Otis in Alameda, CA	30	1700

NOTE: Analysis was performed using EPA extraction method 3550 with Trichlorotriflouroethane as solvent, and gravimetric determination by standard methods 503E.

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Laboratory Director

jao

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Attn: Richard Blaine

Date Sampled: 06-15-87
Date Received: 06-15-87
Date Reported: 06-17-87

BTS #87165-T1

Sample Number	Sample Description	Detection Limit ppm	Total Hydrocarbons as Diesel ppm
7061150	Soil #2 Shell at 2160 Otis in Alameda, CA	1	< 1.0

NOTE: Analysis was performed using EPA methods 3550 and 8015.

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Date Sampled: 06-15-87
Date Received: 06-15-87
Date Extracted: 06-16-87
Date Reported: 06-17-87

BTS #87165-T1

Sample Number

7061150

Sample Description

Soil #2
Shell at 2160 Otis
in Alameda, CA

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

Acrolein	< 10,000	trans-1,2-Dichloroethene	< 50
Acrylonitrile	< 10,000	1,2-Dichloropropane	< 50
Benzene	< 50	1,3-Dichloropropene	< 50
Bromomethane	< 50	Ethylbenzene	< 50
Bromodichloromethane	< 50	Methylene chloride	< 50
Bromoform	< 50	1,1,2,2-Tetrachloroethane	< 50
Carbon tetrachloride	< 50	Tetrachloroethene	< 50
Chlorobenzene	< 50	1,1,1-Trichloroethane	< 50
Chloroethane	< 50	1,1,2-Trichloroethane	< 50
2-Chloroethylvinyl ether	< 50	Trichloroethene	< 50
Chloroform	< 50	Toluene	< 50
Chloromethane	< 50	Vinyl chloride	< 50
Dibromochloromethane	< 50	1,2-Dichlorobenzene	< 50
1,1-Dichloroethane	< 50	1,3-Dichlorobenzene	< 50
1,2-Dichloroethane	< 50	1,4-Dichlorobenzene	< 50
1,1-Dichloroethene	< 50		

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NOTE: Methods 8010 & 8020 of the EPA were used for this analysis.

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Attn: Richard Blaine

Date Sampled: 06-15-87
Date Received: 06-29-87
Date Reported: 07-03-87
BTS# 87165-T1

Sample Number	Sample Description	Detection Limit ppm	Gravimetric Waste Oil as Petroleum Oil ppm
7062310	Soil #3 - Shell Oil at 2160 Otis in Alameda, CA	30	47

NOTE: Analysis was performed using EPA extraction method 3550 with Trichlorotriflouroethane as solvent, and gravimetric determination by standard methods 503E.

SEQUOIA ANALYTICAL LABORATORY

for Mark A. Valentini

Arthur G. Burton
Laboratory Director

jao

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Attn: Richard Blaine

Date Sampled: 06-15-87
Date Received: 06-29-87
Date Reported: 07-03-87

BTS #87165-T1

Sample Number	Sample Description
7062312	Soil #4 - Shell Oil at 2160 Otis in Alameda, CA

ANALYSIS

Oil & Grease, mg/L	< 5

SEQUOIA ANALYTICAL LABORATORY

Mark A. Valentini

for **Arthur G. Burton**
Laboratory Director

jao

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK)/CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO — HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☐ NO

STATE TANK ID #

REPORT DATE (M M D D Y Y) | LOCAL CASE # | REGIONAL BOARD CASE # | US EPA ID #

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: RAY NEWSOME | PHONE: (415) 676-1414 | SIGNATURE

REPRESENTING ☐ LOCAL AGENCY ☐ OTHER ☒ OWNER/OPERATOR ☐ REGIONAL BOARD

COMPANY OR AGENCY NAME: SHELL OIL COMPANY

ADDRESS: P. O. BOX 4023 (STREET) | CONCORD (CITY) | CALIF. (STATE) | 94524 (ZIP)

RESPONSIBLE PARTY

NAME: SHELL OIL COMPANY ☐ UNKNOWN | CONTACT PERSON: RAY NEWSOME | PHONE: (415) 676-1414

ADDRESS: P. O. BOX 4023 (STREET) | CONCORD (CITY) | CALIF. (STATE) | 94524 (ZIP)

SITE LOCATION

FACILITY NAME (IF APPLICABLE): SHELL ~~XX~~ STATION | OPERATOR: U.C. HWANG | PHONE: (415) 865-4380

ADDRESS: 2160 OTIS DRIVE (STREET) | ALAMEDA (CITY) | ALAMEDA (COUNTY) | 94503 (ZIP)

CROSS STREET: PRIVATE

TYPE OF AREA ☐ COMMERCIAL ☐ INDUSTRIAL ☐ RESIDENTIAL ☐ RURAL ☐ OTHER

TYPE OF BUSINESS ☒ RETAIL FUEL STATION ☐ UNKNOWN ☐ OTHER

IMPLEMENTING AGENCIES

LOCAL AGENCY | AGENCY NAME | CONTACT PERSON | PHONE ( )

REGIONAL BOARD: SAN FRANCISCO BAY REGION | TOM CALLAGHAN | (415) 464-0787

TSCD | | ( )

SUBSTANCE(S) INVOLVED

CAS # (ATTACH EXTRA SHEET IF NEEDED) | NAME | QUANTITY LOST (GALLONS)

(1) ☒ UNKNOWN

(2) ☐ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED (M M D D Y Y)

HOW DISCOVERED ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ ROUTINE MONITORING ☒ TANK REMOVAL ☐ NUISANCE CONDITIONS ☐ OTHER:

DATE DISCHARGE BEGAN (M M D D Y Y) ☒ UNKNOWN

HAS DISCHARGE BEEN STOPPED? ☐ YES ☐ NO IF YES, DATE (M M D D Y Y)

METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)

☐ REMOVE CONTENTS ☒ REPLACE TANK ☐ CLOSE TANK ☐ REPAIR TANK ☐ REPAIR PIPING ☐ CHANGE PROCEDURES ☐ OTHER

SOURCE/CAUSE

SOURCE(S) OF DISCHARGE: ☐ TANK LEAK ☒ UNKNOWN ☐ PIPING LEAK ☐ OTHER (SPECIFY)

TANKS ONLY/CAPACITY 550 GAL

AGE ___ YRS. ☐ UNKNOWN

MATERIAL: ☐ STEEL ☐ FIBERGLASS ☐ OTHER

CAUSE(S): ☐ OVERFILL ☐ CORROSION ☐ RUPTURE/FAILURE ☐ SPILL ☐ UNKNOWN ☐ OTHER

RESOURCES AFFECTED/AT RISK

RESOURCES AFFECTED	YES	NO	THREATENED	UNKNOWN
AIR (VAPOR)	☐	☒	☐	☐
SOIL (VADOSE ZONE)	☐	☐	☒	☐
GROUNDWATER	☐	☐	☐	☒
SURFACE WATER OR STORM DRAIN	☐	☒	☐	☐
BUILDING OR UTILITY VAULT	☐	☒	☐	☐
OTHER (SPECIFY)	☐	☐	☐	☐

GROUNDWATER BASIN NAME ☒ UNKNOWN

WATER SUPPLIES AFFECTED	YES	NO	THREATENED	UNKNOWN	# OF WELLS
PUBLIC DRINKING WATER	☐	☐	☐	☒	
PRIVATE DRINKING WATER	☐	☐	☐	☒	
INDUSTRIAL	☐	☐	☐	☒	
AGRICULTURAL	☐	☐	☐	☒	
OTHER (SPECIFY)	☐	☐	☐	☐	

COMMENTS

COMMENTS:

COMPLETE AND ATTACH A CLEANUP TRACKING REPORT