ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

December 8, 2000

Molly Faraji
2000 Stratton Rd.
Walnut Creek, CA 94598

Dear Ms. Faraji:

Subject: Freeway Station & Service, 2740-98th Ave., Oakland, CA 94605
StId 1130

Communication with the City of Oakland Fire Services Agency determined that the underground tanks at the aforementioned site have not been used for awhile and have not been properly closed. Thus, the Leaking Underground Tank case cannot be finished until the underground tanks have been properly closed. Contact the City of Oakland Fire Services Agency, 510/238-7759, for the requirements to properly close the underground tanks. Meanwhile, the groundwater monitoring wells, STMW-1, STMW-2, STMW-3, STMW-4, STMW-5, STMW-6, and the production well, W-4, should not be decommissioned until the underground tank closure has been resolved.

If you have any questions other than the requirements to properly close the underground tanks, I can be reached at (510) 567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist

ee

C: Leroy Griffin, City of Oakland Fire Services Agency, Office of Emergency Services, Hazardous Materials Management Program,505-14th St., 5th Floor, Oakland, CA 94612

Frank Hamedi-Fard, Lawrence Koo, Enviro Soil Tech Consultants, 131 Tully Rd., San Jose, CA 95111

File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

December 5, 2000

Molly Faraji
2000 Stratton Rd.
Walnut Creek, CA 94598

Dear Ms. Faraji:

Subject: Freeway Station & Service, 2740-98th Ave., Oakland, CA 94605
StId 1130

This office and the California Regional Water Quality Control Board, San Francisco Bay Region, have reviewed the case closure summary for the above referenced site and concur that no further action related to the underground tank release is required at this time. Before a remedial action completion letter is sent, the onsite monitoring wells, STMW-1, STMW-2, STMW-3, STMW-4, STMW-5, STMW-6, and the production well, W-4, must be decommissioned. Please submit a copy of the well destruction permit and a report of the well destruction so a closure letter can be issued. (Well destruction permits may be obtained from James Yoo, Alameda County Public Works Agency, at 510/670-6633.)

If you have any questions, I can be reached at (510) 567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist

ec

C: Frank Hamedi-Fard, Lawrence Koo, Enviro Soil Tech Consultants, 131 Tully Rd., San Jose, CA 95111

✓File

LOP - RECORD CHANGE REQUEST FORM

printed: 09/22/2000

Mark Out What Needs Changing and Hand to LOP Data Entry
(Name/Address changes go to Annual Programs Data Entry)

Insp: DH

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
StID : 1130 LOC:
SITE NAME: Freeway ARCO Station DATE REPORTED : 06/25/1993
ADDRESS : 2740 98th Ave DATE CONFIRMED: 06/25/1993
CITY/ZIP : Oakland 94605 MULTIPLE RPs : N

SITE STATUS

CASE TYPE: O CONTRACT STATUS: 4 PRIOR CODE:3A3 EMERGENCY RESP:
RP SEARCH: S DATE COMPLETED: 09/01/1993
PRELIMINARY ASMNT: U DATE UNDERWAY: 06/18/1993 DATE COMPLETED:
REM INVESTIGATION: DATE UNDERWAY: DATE COMPLETED:
REMEDIAL ACTION: C DATE UNDERWAY: 07/01/1993 DATE COMPLETED: 07/02/1993
POST REMED ACT MON: DATE UNDERWAY: DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 6 DATE ENFORCEMENT ACTION TAKEN: 10/21/1992
LUFT FIELD MANUAL CONSID: 3HSCAWG
CASE CLOSED: DATE CASE CLOSED:
DATE EXCAVATION STARTED : REMEDIAL ACTIONS TAKEN: ED

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Molly Farajiani
COMPANY NAME: Freeway Station & Service
ADDRESS: 2000 Stratton Rd.
CITY/STATE: Walnut Creek, 94598

INSPECTOR VERIFICATION:

NAME _____ SIGNATURE _____ DATE _____

DATA ENTRY INPUT:

Name/Address Changes Only

ANNPGMS _____ LOP ____ DATE _____

Case Progress Changes

LOP _____ DATE _____

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

September 13, 2000

Molly Faraji
2000 Stratton Rd.
Walnut Creek, CA 94598

Dear Ms. Faraji:

Subject: Freeway Station & Service, 2740-98th Ave., Oakland, CA 94605
StId 1130

Previously, you were requested to submit disposal records for the soil removed from the pipeline trench. Additionally, a review of the history of the site found a discrepancy as to whether any soil was removed after the waste oil spill of May 1989. Please submit disposal records for the soil removed from the pipeline trench if available and let us know if any soil was removed after the waste oil spill of May 1989.

If you have any questions, please call me at (510) 567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist

C: Frank Hamedi-Fard, Lawrence Koo, Enviro Soil Tech Consultants, 131 Tully Rd., San Jose, CA 95111
File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

August 30, 2000

Molly Faraji
2000 Stratton Rd.
Walnut Creek, CA 94598

Dear Ms. Faraji:

Subject: Freeway Station & Service, 2740-98th Ave., Oakland, CA 94605
StId 1130

When your file was reviewed for case closure, no disposal records for the soil removed from the pipeline trench could be found. Please review your records for any documentation that would indicate the disposition of the soil removed from the pipeline trench and submit them to this office.

If you have any questions, please call me at (510) 567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist

C: Frank Hamedi-Fard, Lawrence Koo, Enviro Soil Tech Consultants, 131 Tully Rd., San Jose, CA 95111
GS.
File

J T MILLER & ASSOCIATES INTERNATIONAL
JALEH TAGHAVI MILLER, President

APR 2 7 2000

April 20, 2000

Don Hwang
Hazardous Materials Specialist
Alameda County Health Care Service Agency
1131 Harbor Bay Parkway
Alameda, California 94502-6577

Subject: Freeway Station & Service 2740 98th Avenue

Oakland, California 94605 Stid 1130

Dear Mr. Hwang:

Thank you for your letter dated December 2, 1999 in regard to the second notice of violation for the subject property. Enclosed are the responses to the item numbers 3, 4 and 5 that you requested:

1. (Item Number 3) Molly Faraji is the responsible party for the clean up and closure of the site. As you know Kiyoumars Ghofrani passed away and his wife, Molly Faraji (2000 Stratton Road, Walnut Creek, California 94598 925-256-1030) is the sole owner of the property (please see the attached),
2. (Item Number 4) A copy of Dorothy Radbruch's 1969 U.S. Geological Survey map GQ-769, Arial and engineering geology of the Oakland East Quadrangle, California, and
3. (Item Number 5) Landowner Notification and Participation Requirements form from Molly Faraji.

Enviro Soil Tech Consultants of San Jose will provide responses to items numbers 1 and 2 set forth in your letter this week.

Needless to say, if you have any questions do not hesitate to contact me.

Sincerely,

Jaleh T. Miller

J. T. Miller-Real Estate Broker

Cc: Molly Faraji-Owner

M. Faraji

1592 UNION STREET • SUITE 354 • SAN FRANCISCO, CALIFORNIA 94123 USA
HOME 415/921-0204 • OFFICE & FAX 415/921-3870

April 20,2000

Alameda County Health Care Service Agency
1131 Harbor Bay Parkway
Alameda, Ca 94502-6577

Certified list of record fee title owner for
Freeway Station & Service, 2740-98th Avenue., Oakland, Ca 94605 Stid 1130

X

Sincerely,

Molly Faraji
2000 Stratton Rd
Walnut Creek, Ca 94598
Tel-925-256-1039

APPLICANT:

J T Miller & Assoc. International
1592 Union Street, Ste. 345
San Francisco, CA 94123
Attention: J T Miller
(415) 921-0204
(415) 921-3870 (Fax)

YOUR CONTACT PERSON IS: Dianna L. Mills

CALL	:	(925) 927-2179
ESCROW FAX NO.	:	(925) 927-2180
ESCROW ORDER NO.	:	774859DM
TITLE ORDER NO.	:	SP852125
TITLE OFFICER	:	Teresa Brink 6681 Owens Drive Pleasanton, CA 94588
TITLE PHONE NO.	:	(925) 225-2643
TITLE FAX NO.	:	(925) 225-2683
CUSTOMER REFERENCE	:	Shahmirza
PROPERTY ADDRESS	:	2722-2740 98th Avenue Oakland, California

COPIES TO: NONE

Subject to a minimum charge required by Section 12404 of the Insurance Code. The form of policy of title insurance contemplated by this report is: **TO BE DETERMINED.**

In response to the above-referenced application for a policy of title insurance, this Company hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a Policy or Policies of Title Insurance in the form specified above, describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as an Exception below or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations of said Policy forms.

The printed Exceptions and Exclusions from the coverage of said Policy or Policies are set forth in Exhibit A attached. Copies of the Policy forms should be read. They are available from the office which issued this report.

Please read the exceptions shown or referred to below and the exceptions and exclusions set forth in Exhibit A of this report carefully. The exceptions and exclusions are meant to provide you with notice of matters which are not covered under the terms of the title insurance policy and should be carefully considered.

It is important to note that this preliminary report is not a written representation as to the condition of title and may not list all liens, defects, and encumbrances affecting title to the land.

This report (and any supplements or amendments thereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance, a Binder or Commitment should be requested.

Title Operations Manager

1021800mp

Dated as of **January 27, 2000** at 7:30 a.m.

Title to said estate or interest at the date hereof is vested in:

MANIJEH FARAJI

The estate or interest in the land hereinafter described or referred to covered by this Report is:

A FEE

The land referred to in this Report is situated in the State of California, County of Alameda, and is described as follows:

Please see attached Exhibit "A"

AT THE DATE HEREOF EXCEPTIONS TO COVERAGE IN ADDITION TO THE PRINTED EXCEPTIONS AND EXCLUSIONS CONTAINED IN SAID POLICY FORM WOULD BE AS FOLLOWS:

1. PROPERTY TAXES, including any assessments collected with taxes, for the fiscal year 2000-2001, a lien not yet due or payable.

2. TAXES for the fiscal year 1999-2000

1st Installment	: **$1,691.08 PAID**
2nd Installment	: **$1,691.08 OPEN**
Land	: **$143,764.00**
Improvements	: **$49,765.00**
Personal Property	: **$None shown**
Exemption	: **$None shown**
Assessee	: **Ghofrani Manijeh F**
A. P. No.	: **048-5621-004-08**
Code Area	: **17-001**

3. TAX DEFAULT for non-payment of property taxes

Fiscal Year	: 1998-1999, and subsequent delinquencies
Sale No.	: **552192**
Amount to redeem	: **$2,027.17** during the month of **February 2000**
Amount to redeem	: **$2,051.79** during the month of **March 2000**
Amount to redeem	: **$2,076.40** during the month of **April 2000**
A. P. No.	: **048-5621-004-08**

The above amount(s) must be verified prior to close of Escrow.

4. THE LIEN of supplemental taxes, if any, assessed pursuant to Chapter 3.5 commencing with Section 75 of the California Revenue and Taxation Code.

5. EASEMENT for the purposes stated herein and incidents thereto
Purpose : **Public street or highway**
Granted to : **City of Oakland, a municipal corporation**
Recorded : **October 27, 1965, Reel 1629, Image 458, Official Records**
Affects : **A Northerly portion of Parcel One**

6. TERMS, conditions and provisions contained in the **Quitclaim Deed**
From : **Ralph B. Pahlmeyer and Helen E. Pahlmeyer, his wife**
To : **Standard Oil Company of California**
Recorded : **November 29, 1965, Reel 1652, Image 278, Series No. AX163676, Official Records**

7. LEASE for the term and upon the terms and conditions contained therein
Dated : **January 22, 1965**
Lessor : **Ralph B. Pahlmeyer and Helen E. Pahlmeyer, his wife**
Lessee : **Standard Oil Company of California**
Term : **None shown**
Recorded : **December 14, 1965, Reel 1663, Image 426, Series No. AX171099,** Official Records.

The present ownership(s) of said leasehold(s) and other matters affecting the interest(s) of the lessee(s) are not shown herein.

8. A Deed of Trust to secure an indebtedness in the amount shown below and any other amounts and/or obligations secured thereby
Amount : **$200,000.00**
Dated : **October 28, 1992**
Trustor : **Kiyoumars Ghofrani and Manijeh Faraji**
Trustee : **First American Title Insurance Company, a California corporation**
Beneficiary : **Bank of Oakland**
Address : **SBA Department, 380 14th Street, Oakland, CA 94612**
Loan No. : **None shown**
Recorded : **December 21, 1992, Series No. 92415477, Official Records.**

9. A FINANCING STATEMENT securing an indebtedness and/or obligation
Debtor : **Kiyoumars Ghofrani dba Freeway Arco**
Secured Party : **Bank of Oakland**
Recorded : **January 12, 1993, Series No. 93009843, Official Records.**

An amendment under the foregoing financial statement
Nature of change : **Continuation**
Recorded : **September 18, 1997, Series No. 97243685, Official Records.**

10. A DEED FROM (or the joinder of) the spouse of any married vestee named herein will be required when insuring any conveyance, encumbrance or lease to be executed by said vestee.

11. THE REQUIREMENT that evidence be provided that there are no commitment statements in effect under the Environmental Responsibility Acceptance Act Civil Code Section 850 et seq. with respect to the property.

The Company's Owner's Affidavit must be completed and submitted prior to close in order to satisfy this requirement.

12. ANY and all subsisting leases.

13. Matters which may be disclosed by an inspection or by a survey of said land that is satisfactory to this Company, or by inquiry of the parties in possession thereof.

INFORMATION NOTES:

A. The City of Oakland imposes a property transfer tax of 1.5% of the total consideration.

B. Short term rate does not apply.

C. Collect $10.00 (per parcel) user fee for each Grant Deed for County Monument Preservation Fund.

D. LENDER'S SPECIAL INFORMATION

According to the public records, there have been no deeds conveying the herein described property recorded within two years prior to the date hereof except as follows:

Affidavit of Death
Decedent : Manijeh Faraji
Executed by : Kiyoumars Ghofrani
Recorded : September 21, 1998, Series No. 98327489, Official Records.

E. ALTA SUPPLEMENTAL REPORT FOR LENDER'S

This Report is issued in contemplation of the issuance of an ALTA Loan Policy. We have no knowledge of any fact which would preclude the issuance of said ALTA Loan Policy with endorsements 100, 116 or 116.2.

There is located on said land a Commercial Structure known as 2722-2740 98th Avenue, Oakland, California.

Order No. 852125

LEGAL DESCRIPTION

REAL PROPERTY in the City of Oakland, County of Alameda, State of California, described as follows:

PARCEL ONE:

A portion of Lot 1, Block "Z", Map of Toler Heights, filed September 30, 1907, Map Book 23, Page 34, Alameda County Records, described as follows:

Beginning at a point of intersection of the southwestern line of Stanley Avenue, formerly Stanley Road, and the southeastern line of 98th Avenue, formerly Grand Avenue, as said Road and Avenue are shown on said Map; running thence along the said last mentioned line South 25° 43' 30" West 83.36 feet to a point on the southwestern line of said Lot 1; thence along the said last mentioned line South 38° 24' East 20.35 feet; thence South 38° 24' East 13.02 feet; thence North 51° 36' East 54.65 feet to a point on the said southwestern line of Stanley Avenue; thence along the said last mentioned line North 38° 24' West 136.76 feet to the point of beginning.

PARCEL TWO:

The northeastern 40.00 feet, "Right Angle Measurement of Lot 2, Block "Z", Map of Toler Heights, filed September 30, 1907, Map Book 23, Page 34, Alameda County Records.

PARCEL THREE:

The southwestern 35.00 feet, right angles measurement, of Lot 2, Block "Z", Map of Toler Heights, filed September 30, 1907, Map Book 23, Page 34, Alameda County Records.

A.P. No. 048-5621-004-08

*****

EXHIBIT A

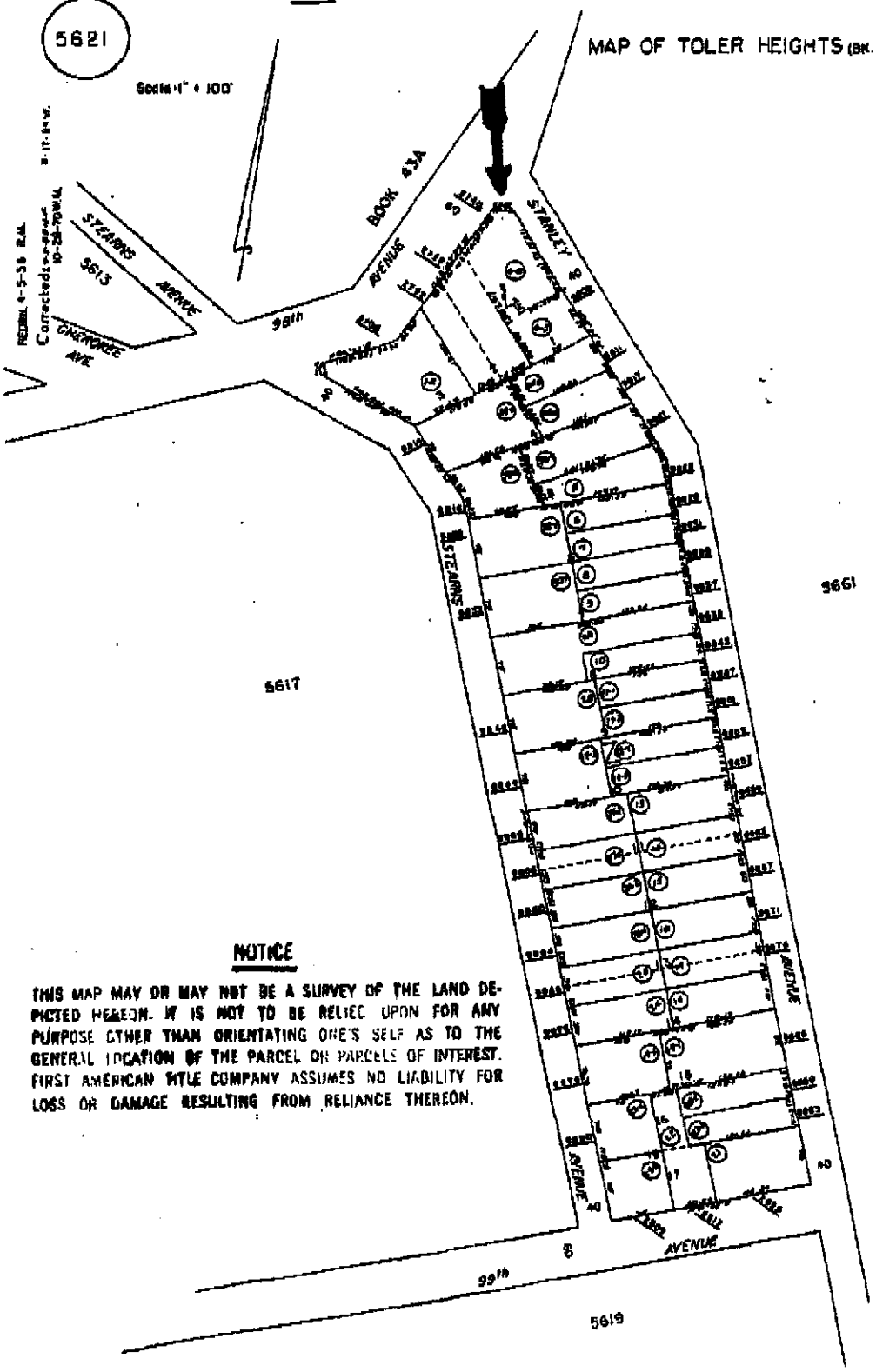
ASSESSOR'S MAP 48

Code Area Nos. 17-001

5621

Scale 1" = 100'

MAP OF TOLER HEIGHTS (BK. 23 Pg. 34)



NOTICE

THIS MAP MAY OR MAY NOT BE A SURVEY OF THE LAND DEPICTED HEREON. IT IS NOT TO BE RELIED UPON FOR ANY PURPOSE OTHER THAN ORIENTATING ONE'S SELF AS TO THE GENERAL LOCATION OF THE PARCEL OR PARCELS OF INTEREST. FIRST AMERICAN TITLE COMPANY ASSUMES NO LIABILITY FOR LOSS OR DAMAGE RESULTING FROM RELIANCE THEREON.

JUL 21 1995

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

TO ACCOMPANY MAP GQ-769

AREAL AND ENGINEERING GEOLOGY OF THE OAKLAND EAST QUADRANGLE, CALIFORNIA

By
Dorothy H. Radbruch

1969

Table 1.—*Generalized description of engineering properties of map units*

[Underline indicates geologic conditions that may be critical to planning, design, and construction of engineering works]

Map unit[1]	General lithologic description	Topographic form
Artificial fill (Qaf)	Composition varies from place to place. Consists largely of Merritt Sand dredged from bay along shore of Alameda. Most highway fills composed of mixtures of rock and soil derived from nearby cuts or borrow areas. Some fills contain concrete, bricks, and other miscellaneous refuse. Only large fill areas shown on map; innumerable fills too small to show on map have been made for highways, streets, and building pads	Flat, level areas a few feet above sea level along the edge of the bay, or flat fills in valley bottoms; also terraces and ramps for highways
Bay mud (Qbm)	Silt, clayey, sandy, with small lenses of sand; contains shells and organic material which in some places forms thin peaty layers. Olive-gray, massive, structureless. Soft and fluid at top, increasingly consolidated with depth. Plastic. Swells when wetted, shrinks and cracks upon drying. Maximum known thickness in this area 25 feet. Two consolidation tests of mud exposed near Derby Street, which may be older bay mud now above sea level, showed compression of 14 and 17 percent	Slopes gently from landward edge toward center of bay; forms tidal flats; much now covered by artificial fill
Alluvium and colluvium (Qac)	Composition varies from place to place. In small, swift-flowing streams, recent alluvium—largely sand, pebbles, and boulders; alluvium in flat valleys and colluvium on hillsides generally finer material, usually dark in color. Alluvium and colluvium underlain by rocks of Contra Costa Group commonly contain much swelling clay. Colluvium as much as 60 feet in thickness on west side of Moraga Valley; alluvium a few inches to more than 75 feet in thickness	Recent alluvium fills stream valleys and forms flat valley bottoms; alluvium fills and obscures many old hillside ravines too small or indistinct to show on map; colluvium mantles sides of hills
Undivided Quaternary deposits (Qu)	Composition and physical properties vary. Consists predominantly of Temescal Formation. Probably includes covered or unrecognized San Antonio Formation and gravel, sand, and clay (Qg), as well as Recent alluvium and colluvium, and artificial fill. Symbols for Qtc, Qts, and Qtb shown in parentheses where these units can be positively identified (see Temescal Formation)	Primarily in valleys and on gentle slopes between San Francisco Bay and the Berkeley Hills
Temescal Formation (Qtc, Qts, Qtb)	As used by Lawson (1914) comprises several presumably contemporaneous alluvial units of different origin, lithology, and physical properties. Qtc, dark alluvium filling stream channels in the eroded San Antonio Formation; consists of irregularly bedded clay, silt, sand, and gravel with organic material and some Claremont chert; dark-yellowish-brown to olive-gray. Poorly consolidated; one consolidation test on Peralta Creek showed compression of 16 percent; 3–18 feet thick. Qts, material apparently derived from erosion of the San Antonio Formation; consists of lenses of clay, silt, sand, and gravel with Claremont chert; yellowish brown; in places lithologically indistinguishable from San Antonio Formation; origin assumed from topographic form and lower compressive strength as indicated by one consolidation test on Sausal Creek (compression 12 percent). Qtb, alluvium derived from the Berkeley Hills, probably deposited simultaneously with Qts, consists of well-consolidated gravel-sand-silt-clay mixtures with firm pebbles and little or no Claremont chert; moderate yellowish brown; well exposed on Arroyo Viejo where a consolidation test showed a compression of 6 percent, and on 73rd Street, where it has been tilted to an angle of 72°	In flat valley bottoms and gentle slopes between San Francisco Bay and the Berkeley Hills. Qtc fills meandering channels cut in underlying material

Table 1.—*Generalized description of engineering properties of map units*—Continued

Weathering and soil development	Workability	Slope stability and foundation conditions	Dry density[2] moisture content and Unified Soil Classification[3]	Remarks (Includes use and earthquake stability)
None in most places	Depends on composition; varies from place to place	Depend on composition. Properly engineered fill placed over bay mud generally suitable for light structures. Fill over bay mud may settle differentially as bay mud compacts under load	Vary with composition. 106 (hydraulic sand fill); 23 percent (14: 92–119; 18–37 percent)	Properly engineered fill generally suitable for use as foundation for light structures; fill overlying bay mud is susceptible to movement under earthquake stress
None in most places	Can be moved with hand tools; trucks and other heavy equipment may become mired in mud if excavation with such equipment is attempted	Must be supported in most cuts. May settle differentially under load. Sensitivity generally low, but use of very heavy equipment to place fill may cause remolding and loss of strength. When used as fill upper part may swell when wet and shrink when dry	81; 51 percent (22: 46–106; 20–125 percent) Pt; CL–CH	Can be used as fill if properly compacted but may be difficult to place because of high moisture content. Earthquake stability poor (Duke, 1958; Gilbert in Gilbert and others, 1907; Lawson, 1908; Louderback, 1942)
Thickness of soil varies from a few inches to several feet. In flat valleys soil as much as 3 feet in thickness has developed on alluvium. In places soil clayey, shrinks and swells	Can be moved with hand tools. Where material is clayey, may be very heavy and sticky when wet, sticking to tools and miring heavy equipment	Depend on composition. Alluvium and colluvium derived from rocks of Contra Costa Group generally contain expansive clay. May cause heaving and cracking of structures in flat areas; susceptible to sliding on hillsides. Alluvium in old ravines may slide in cuts	100; 23 percent; (66: 86–122; 8–34 percent) GW–OH	Dry density, moisture content, and Unified Soil Classification determined on sandy and silty clay derived from Moraga Formation and Contra Costa Group
Soil may be as much as 3 feet thick. In places soil clayey, shrinks and swells; may cause damage to buildings	Can be moved with hand or power tools	Depend on composition; generally good. Slides have formed where colluvium apparently derived from gabbro	Varies	Mapped with Temescal Formation in Oakland West quadrangle (Radbruch, 1957)
In places a soil as much as 3 feet in thickness has formed on the Temescal Formation; soil clayey, shrinks and swells with seasonal moisture changes	May be moved with hand tools. Clay beds may be sticky when wet	Slope stability and foundation conditions fair to poor. Some minor slumping in steep cuts. Qtc generally softer than underlying and adjacent material; buildings founded partly on Temescal channel material and partly on older material may be damaged by differential settlement	86 (Qtc); 42 percent; (3: 73–104; 25–71 percent); 100 (Qts); 23 percent 110 (Qtb); 14 percent; (39: 92–133; 3–22 percent); Qtc, GC–OH; Qts, GC–CH; Qtb, GM–CH	

Table 1.—*Generalized description of engineering properties of map units*—Continued

Map unit [1]	General lithologic description	Topographic form
Merritt Sand (Qm)	Sand, fine-grained, silty, clayey, with lenses of sandy clay and clay. Well-sorted. Contains small amount of organic material. Yellowish-brown to dark-yellowish-orange. No bedding observed. Slightly coherent, in most places consolidation increases at depth. Maximum known thickness 65 feet	Forms low mound on which city of Alameda is built
San Antonio Formation Upper member (Qsu)	Clay, silt, sand, and gravel. Some pebbles soft; most firm. Most beds contain flakes and pebbles of white Claremont chert, some gravel almost entirely chert. Contains montmorillonite clay. Pale-yellowish-brown to grayish-orange. Consolidation varies, some layers loose, unconsolidated. Three consolidation tests on clay layers showed compression of 4 to 6 percent. Maximum thickness unknown. May include some Temescal Formation and lower member where exposures too poor to differentiate units	Primarily in rather steep dissected hilly areas between San Francisco Bay and steep front of Berkeley Hills
Lower member (Qsl)	Gravel, weathered, dense, with silty clay matrix. Some pebbles firm, most soft; breaks across pebbles when struck with pick. Unit very uniform in lithology, contains a few slightly silty, pebbly clay lenses. Contains little or no Claremont chert. Contains montmorillonite clay. Light-brown to grayish-orange. Two consolidation tests showed compression of 5 and 7 percent. Maximum thickness unknown	In steep to moderately sloping hilly areas between San Francisco Bay and the steep front of the Berkeley Hills
Gravel, sand, and clay (Qg)	Gravel, sand, silt, and clay; olive-gray, dark-yellowish-orange, light-brown. Contains swelling clay; expands when wet, shrinks and cracks when dry. Overlies Leona Rhyolite, contains pebbles of rhyolite. Beds poorly defined; average thickness of beds about 30 feet. Tilted and contorted. Contains molluscs of probable early Pleistocene (Irvingtonian) age. Southwest of Oak Knob Naval Hospital overlies deeply weathered Leona rhyolite	Small ridge within Hayward fault zone and minor rounded hills nearby
Leona Rhyolite (Tl)	Rhyolite. Fresh rock light-gray to greenish- or light-bluish-gray, weathers to white or dark-yellowish-orange, may be iron-stained reddish-orange. Fresh rock contains abundant pyrite in many places. Contains a small amount of glass. Sheared and fractured. May include small amounts of Franciscan and Knoxville sandstone and shale too small to show on the map. Much of rhyolite apparently intrusive (Case, 1963); in places intruded overlying Knoxville shale, now baked and contorted at contact	Forms steep knobby dissected hills

Table 1.—*Generalized description of engineering properties of map units*—Continued

Weathering and soil development	Workability	Slope stability and foundation conditions	Dry density[2] moisture content and Unified Soil Classification[3]	Remarks (Includes use and earthquake stability)
Very little weathering discernible; top few inches may contain small amount of organic material	Can be moved with hand or power tools	Must be supported in cuts; most will slump to natural angle of repose of loose sand when dry. Good foundation material	107; 14 percent (14: 100–115; 4–21 percent) SP–SC	Merritt Sand dredged from the bay is one of the main sources of artificial fill
Soil as much as 3 feet thick in places. **Soil swells and shrinks with seasonal moisture changes and may cause damage to buildings; may creep on slopes**	Can be moved with hand tools	**Large slides have formed in this unit.** Factors contributing to slide probably include presence of montmorillonite clay and alternating poorly consolidated sand and clay; steep slopes; and ground water. Generally suitable foundation material for light structures where slopes are not steep	105; 18 percent (77: 91–123; 8–30 percent) GM–CH	
Most pebbles soft, probably weathered in place. Soil as much as 3 feet thick in places. Depth of weathering unknown. Soil clayey, shrinks and swells	Can be moved with hand or power tools	Generally stable in 1:1 cuts; some slumping on steep slopes	114; 16 percent (25: 106–123; 10–21 percent) GC	
Unit appears to be weathered to depth of maximum exposure—50 feet. Weathered rock soft, clayey, joints iron-stained. Soil clayey, 1–3 feet thick	Can be moved with hand tools or power equipment	**Slope stability poor, slides abundant.** Slides have formed in clayey layers of of this unit on slopes as gentle as 2:1. Foundation conditions unknown, probably fair. **Swelling of expansive clay could cause damage to structures**	103 (sandy and silty clay with some gravel); 21 percent (65:75–125; 11–44 percent) GC–CH	Earthquakes may trigger landslides in this unit
Weathering as much as 30 feet deep; highly weathered rock consists of loose fragments in clay matrix. Soil generally lacking or less than 18 inches thick; in ravines may be more than 12 feet thick	Can generally be moved with power equipment; in some places requires blasting	Slope stability and foundation conditions good. **Rare debris slides observed where rock excessively fractured and weathered**	162 (s); 0.1 percent; 99 (weathered); 20 percent (3: 98–102; 9–27 percent)	Crushed Leona Rhyolite is a major source of fill and base rock; pyrite formerly mined for sulfur; **runoff from rhyolite hills very acid and corrodes concrete sewer pipe. Some slopes so steep that development may be difficult**

Table 1.—*Generalized description of engineering properties of map units*—Continued

	Map unit[1]	General lithologic description	Topographic form
Contra Costa Group	**Bald Peak Basalt** (Tbp)	Basalt with minor amounts of sedimentary rocks. Large plagioclase phenocrysts abundant. Fresh basalt dark gray, weathers yellowish gray. Typically cut by many intersecting fractures, along which alteration has taken place, so that in any exposure rock commonly consists of dark, hard subangular blocks 1 inch to 1 foot across, in a matrix of soft, light-colored material, predominantly clay with some silt-sized mineral grains. Maximum thickness unknown; comformably overlies Siesta Formation	Forms moderately steep hillsides and caps small ridges. Outcrop area very small, at north end of Siesta Valley
	Siesta Formation (Ts)	Claystone, silty, and sandstone, very fine grained to medium-grained; greenish-gray to pale-brown. Claystone generally massive, may be very finely laminated. Minor pebbly conglomerate, cherty limestone, impure tuff, and basalt. Cut by faults. Beds 1 inch to 12 feet thick; most 1–5 feet thick. Maximum thickness unknown. Conformably overlies Moraga Formation	Flat or gently rolling topography of bottom and sides of Siesta Valley
	Moraga Formation (Tmb, Tmc)	Basalt and andesite flows, Tmb, dark-gray; moderate-red in oxidized tops of flows, locally amygdaloidal. Interbedded clastic rocks, Tmc, include conglomerate, sandstone, siltstone, agglomerate, tuff, and mixture of volcanic and nonvolcanic debris; minor limestone and lignite. Thickness of beds a few inches to 200 feet. Yellowish-gray rhyolite tuff within clastic sequence forms marker bed, variable in thickness, near middle of formation. Poorly sorted volcanic debris on hill south of Moraga substation may be volcanic mudflow. Some bodies of clastic rock too small to show on map are included in Tmb; additional unrecognized clastic rocks probably included in Tmb where exposures are poor. Entire formation sheared and fractured. Maximum estimated thickness 1,300 feet. Conformably overlies and probably interfingers with Orinda Formation	Forms prominent, steep-sided ridges. Slopes generally more than 30°
	Orinda Formation Tor	Conglomerate, sandstone, siltstone, and claystone; contains swelling clay. Bluish-gray, greenish-gray, and grayish-red. Beds 1 inch to 100 feet thick. Sheared and fractured, numerous joints. Beds lenticular. Contains minor diabase dikes. Maximum estimated thickness approximately 2,300 feet. Overlies Tice Shale and Claremont Shale with apparent erosional and possibly slight angular unconformity	Primarily forms valleys, but harder rocks of formation in places form steep ridges
	Contra Costa Group, undivided Tcu	Conglomerate, sandstone, and siltstone, with minor amounts of limestone and tuff, interbedded and lenticular. Greenish-gray, reddish-brown. Contains unnamed rocks younger than formations of the Contra Costa Group (Bald Peak, Siesta, Moraga, and Orinda) recognized west of Moraga fault. Rocks poorly consolidated, contain montmorillonite clay. Fractured, cut by faults; prominent and widespread jointing; joint surfaces iron-stained. Beds less than 1 inch to 80 feet thick. Maximum thickness of unit unknown	Underlies rolling to moderately steep-sided hills and intervening northwest-trending valleys in northeast corner of quadrangle

Table 1.—*Generalized description of engineering properties of map units*—Continued

Weathering and soil development	Workability	Slope stability and foundation conditions	Dry density[2] moisture content and Unified Soil Classification[3]	Remarks (Includes use and earthquake stability)
Alteration with much softening along fractures in rock observed wherever exposed; soil sparse, generally only 2 or 3 inches thick	Can generally be moved with power equipment because of intensive fracturing and alteration	Slope stability and foundation conditions good. Small blocks of unaltered material fall out of weathered matrix and accumulate at base of cuts	Not determined	
Weathering irregular, depth varies from a few inches to as much as 15 feet. Weathered rock soft, structureless, clayey. Soil lacking or as much as 3 feet thick, more in ravines	Can be moved with hand tools or power equipment	Many slides form on both natural and cut slopes in this unit, although some highway cuts appear to be stable at 1:1 slopes. Foundation conditions fair to poor. Expansion of clayey soil may cause damage to structures	150 (s) (siltstone); 1.2 percent; 116 (weathered siltstone); 17 percent	Part of floor of Siesta Valley north of Highway 24 consists of old slide material of the Siesta Formation
Tops of individual flows oxidized red; soil sparse, where developed is generally clayey. Colluvium may be as much as 60 feet thick	Clastic rocks or intensely fractured volcanic rocks can be moved with power equipment; basalt and andesite generally require blasting	Basalt and andesite generally stable, and foundation conditions good. Many small slides form in clastic rocks, and in places very large slides have moved on clayey clastic units or formed in overlying clayey colluvium	168 (s) (basalt); 0.5 percent	Crushed volcanic rock from the Moraga Formation is a major source of fill and base rock in this area; some large, firm blocks of unweathered volcanic rock also used as riprap. Slopes so steep that development may be difficult
Depth of weathering irregular; varies from 3 to 20 feet; weathered rock soft, clayey. Soil sparse; may be lacking or as much as 3 feet thick, more in hillside ravines	Can generally be moved with power equipment, but some dense, hard sandstone or conglomerate lenses may require blasting	Slope stability poor; many slides in both rock and soil on both natural and cut slopes. Slides occur on many natural slopes as flat as 20°, although some cuts appear stable at 1: 1. Swelling of expansive clay in rock and overlying soil could cause damage to structures	143 (s) (ss); 1.3 percent; 140 (ss, sh, and cgl.); 7 percent; (7: 134–150; 5–14 percent)	Sandstone or conglomerate beds that require blasting for removal may disintegrate in cuts after exposure to air. May squeeze in tunnels
Weathering irregular, from a few inches to several feet deep. Weathered rock soft, clayey. Soil generally lacking, but as much as 10 feet thick in ravines; generally clayey	Can be moved with power equipment	Slope stability poor. Abundant slides in both soil and rock, on natural and cut slopes. Slides most abundant on north-facing slopes; slides in rock may move on joint surfaces (Radbruch and Weiler, 1963) Expansion of clayey soil derived from this unit may cause heaving of structures	131 (s) (ss); 2.1 percent; 143 (s) (siltstone), 4.6 percent; 108 (cgl., ss, siltstone, weathered?); 15 percent; (7: 96–123; 7–23 percent)	Properly compacted material from formation suitable for artificial fill. Earthquakes may trigger soilslips and landslides in this unit, particularly if rocks and soil are saturated. Abundant landslides may increase cost of development

Table 1.—*Generalized description of engineering properties of map units*—Continued

	Map unit[1]	General lithologic description	Topographic form
Monterey Group	Tice Shale (Tt)	Shale, siliceous, and fine-grained sandstone. Yellowish-gray, light-gray, and light-brown. Contains sandstone dikes. Shale is finely laminated, generally in beds 1 inch or less in thickness. Total thickness unknown. Stratigraphic relationship with underlying Claremont Shale unknown; may be slightly unconformable	Underlies steep hillside
	Claremont Shale (Tc)	Chert, finely laminated, and shale, rhythmically bedded; also contains dark clay shale, siliceous shale, porcellanite, and sandstone. Bituminous in places. Cut by sandstone and diabase dikes. Weathered chert white to yellowish gray; when fresh, medium-light-gray to medium-dark-gray. Chert beds commonly 1–4 inches in thickness, interbedded shale less than 1 inch thick. Fractured and intensely contorted; chert brittle, breaks easily into small pieces. Sandstone member near base generally firm, fractured in places. May be more than 1,000 feet thick; comformably overlies Sobrante(?) Sandstone	Forms very steep-sided ridges in Berkeley Hills. Forms main prominent ridge in hills
	Sobrante(?) Sandstone (Tso)	Siltstone and shale with some fine-grained sandstone, glauconitic in places. Dark-olive-gray or olive-gray when fresh, weathers light brown or distinctive pale red. Contains gypsum in places, fracture surfaces commonly coated with pale yellowish-orange or grayish-yellow jarosite (Briggs, 1951). Bedding obscure. Jointed, fractured; breaks into pieces approximately an inch across. Foraminifera from this unit have been dated as Saucesian and (or) Relizian in age. Thickness not determined owing to deformation and poor exposures; stratigraphic relationship with underlying Eocene sandstone and shale unknown	Underlies moderately steep slopes
	Sandstone and shale (Tss)	Massive, fine-grained sandstone; glauconitic sandstone, soft silty sandstone with organic material, siltstone, dark-colored clay shale. Fresh sandstone medium gray, weathers yellowish brown. Some rocks closely resemble underlying Cretaceous rocks, some are almost indistinguishable from overlying rocks. Some fine-grained rocks in places coated with yellow jarosite (Briggs, 1951). Sheared and fractured. Contains sparse molluscan fauna. Thickness unknown, probably 500–1,000 feet; in fault contact with underlying rocks	Forms moderately steep sided ridges and valleys in Berkeley Hills
	Pinehurst Shale* (Tp)	Shale, siliceous, light-gray to medium-gray, and sandstone, hard, fine-grained, yellowish-gray. Beds 10 feet to less than 1 inch thick, most 3 inches to 3 feet. Contorted, cut by numerous faults. Contains Paleocene foraminifera. Maximum exposed thickness 500–700 feet; appears conformable with underlying red and gray shale at top of Redwood Canyon Formation	Underlies steep ridges and hillsides

Table 1.—*Generalized description of engineering properties of map units*—Continued

Weathering and soil development	Workability	Slope stability and foundation conditions	Dry density[2] moisture content and Unified Soil Classification[3]	Remarks (Includes use and earthquake stability)
Weathering irregular. In some places rock appears fresh, in others weathered and softened along joints to maximum depth observed, about 6 feet. Soil thin; maximum depth 2 feet	Can be moved with power equipment	Slope stability good. Stands in slopes of approximately ½:1 with minor sloughing of small fragments. Behavior as foundation unknown; probably good	Not determined	
Weathering extends to depths of more than 20 feet; characterized by lightening of color, widening of fractures; little softening of chert. Fresh rock rarely seen at surface. Soil 2 inches to 3 feet thick	Chert and shale can generally be moved with power equipment, but may need blasting; sandstone beds, especially near base of unit, usually require blasting	Stands in ½:1 cuts, but in places subject to slump and creep. **Diabase dikes generally hydrothermally altered to soft, clayey material; may carry water and cave in tunnels** (Page, 1950)	152 (chert); 2.5 percent; (3: 150–153; 1–5 percent)	**Slopes so steep that development may be difficult in places. Gas may be encountered when tunneling through this formation** (Page, 1950)
Weathering extensive, especially along joints; some weathered rock firm, most soft, iron-stained, clayey. Depth of weathering unknown, more than 10 feet where observed. Soil varies from a few inches to 3 feet in thickness, thicker in ravines	Can be moved with power equipment	Generally stands in 1:1 cuts with minor sloughing	137 (s) (sh); 3.6 percent; 143 (s) (fine ss); 1.1 percent	
Maximum depth of weathering unknown. Fresh rock rare at surface. Weathered rock soft. Soil 1–3 feet thick; may be as much as 15 feet thick in ravines	Can generally be moved with power equipment; some beds of massive sandstone may require blasting	Slope stability and foundation conditions vary with material, but generally good unless sheared and wet. In many places stands in 1:1 cuts, but may slide if wet and sheared	108 (weathered siltstone); 17 percent; 143 (weathered ss); 2.4 percent	
Depth of weathering more than 20 feet; weathered rock hard; unweathered material rare on surface. Soil sparse, largely rock fragments with minor organic material	Can be moved with power equipment	Slope stability generally good: stands in 1:1 slopes with minor sloughing. Foundation conditions unknown	156(s) (shale); 1.9 percent	

Table 1.—*Generalized description of engineering properties of map units*—Continued

Map unit [1]	General lithologic description	Topographic form
Redwood Canyon Formation* (Kr)	Sandstone, fine- to medium-grained, yellowish-brown, in beds 6 inches to 12 feet thick; contains round dark concretions as much as 2 feet in diameter ("cannon balls"). Interbedded with clayey siltstone and very fine grained sandstone, medium-gray to dusky-yellow, in beds less than 1 inch to 1 foot thick. Rocks contain abundant flakes of organic material, display crenulated bedding. Some dark shale beds. Distinctive light-olive-gray and grayish-red Late Cretaceous foraminiferal shale at top of unit described separately by Case (1968), has been included with Redwood Canyon Formation in this report. Rocks deformed, faulted, fractured. Thickness unknown, probably between 1,700 to 2,000 feet; grades into underlying Shephard Creek Formation	Forms steep-sided ridges and canyons
Shephard Creek Formation* (Ks)	Shale, massive, olive-gray; also interbedded shale and fine sandstone. Massive shale in beds 20 feet or more in thickness. Faulted and fractured. No fossils found. Thickness unknown, may be as much as 1,500 feet. Grades into underlying Oakland Conglomerate	Forms valleys in most places because soft shales of formation are easily eroded
Oakland Conglomerate (Ko)	Conglomerate, with sandstone matrix, and sandstone, coarse- to medium-grained; minor amounts of shale. Pebbles and cobbles in conglomerate commonly 1—8 inches in diameter. Many clasts fractured. In places, sandstone contains shale fragments. Yellowish-brown, weathered; fresh rock not seen on surface. Sandstone and conglomerate in lenticular beds mostly 3-10 feet thick. Sheared and fractured. Appears nearly barren of fossils. Maximum thickness about 1,000 feet; gradational with underlying Joaquin Miller Formation	Generally caps a ridge
Joaquin Miller Formation* (Kjm)	Sandstone, fine- to medium-grained; shale; minor conglomerate. In places contains fragments of organic material. Yellowish-brown in outcrop, medium- to dark-gray on fresh surfaces. Massive to thin-bedded. Beds one-quarter of an inch to 10 feet thick. Sandstone beds increase in frequency and thickness toward top of unit. Shale near base distinguished by massive character from fissile Knoxville shale, from which it is separated by East Chabot fault. In places contorted, sheared, fractured; most joints iron-stained. Fossils rare. A crude approximation of the thickness of this deformed unit is 2,500 feet	Forms steep-sided ridges and canyons
Upper Cretaceous rocks, undivided (Ku)	Sandstone, fine- to coarse-grained, and shale. Light-gray when fresh, weathers yellowish-brown; fresh rock rarely seen on surface. Some massive sandstone beds, but predominantly alternating beds of sandstone and shale, without any visible distinguishing characteristics of other Cretaceous units. Sheared, fractured, and contorted. May include any of the Upper Cretaceous units and possibly unrecognized Eocene rocks. Fossils rare; part of a spirally-coiled ammonite of probable late Late Cretaceous age found in the south bore of the rapid transit tunnel. Thickness and stratigraphic relations unknown	Forms moderately steep-sided ridges and canyons
Serpentine (sp)	Serpentine, pale-greenish-yellow, green, bluish-gray, black, and pale-blue; generally soft and intensely sheared. May include small amounts of Leona Rhyolite and Franciscan Formation too small to show on the map.	Underlies moderately steep dissected hills and valleys

Table 1.—*Generalized description of engineering properties of map units*—Continued

Weathering and soil development	Workability	Slope stability and foundation conditions	Dry density[2] moisture content and Unified Soil Classification[3]	Remarks (Includes use and earthquake stability)
Weathered to depth of more than 20 feet. Weathered rock generally firm, iron-stained; some soft, crumbly. Soil sparse, generally less than 1 foot thick	Can generally be moved with power equipment; may require blasting in places	Slope stability of sandstone generally good; stands in ½:1 cuts; foundation conditions good. **Slides common in dark shale beds and in red and green shale at top of unit**	140(s) (ss); 2.4 percent (2: 137–143; 1.2–3.5 percent)	**Slopes in places so steep that development may be difficult**
Weathered along joints to maximum observed depth of 20 feet. Weathered shale soft, crumbly, clayey. Soil and colluvium generally 5 feet or more in thickness	Can generally be moved with power equipment	Slope stability and foundation conditions appear to be good for most of unit, but **slides common on steep slopes in southeast part of outcrop area** (see map)	156(s) (shale); 2.3 percent	
Thoroughly weathered to maximum observed depth of 20 feet. Weathered sandstone firm to soft, slightly clayey; conglomerate pebbles hard. Soil generally sparse or lacking	Can generally be moved with power equipment	Slope stability and foundation conditions good	125(s) (weathered ss); 2.3 percent	
Maximum depth of weathering unknown; may be as much as 50 feet in places; weathered rock firm to soft. Soil commonly a few inches to 3 feet thick, more in ravines	Can be moved with power equipment	Slope stability and foundation conditions generally good to fair; minor sloughing in cuts	150(s) (ss); 1.5 percent; 115 (weathered ss); 12 percent (7: 105–122; 9–17 percent)	Age based on ammonite reported by Case (1963)
Depth of weathering may be 60 feet or more; some weathered rock firm; most soft, crumbly. Soil and colluvium may be as much as 25 feet thick in ravines	Can be moved with power equipment	Slope stability and foundation conditions good to poor. In places stands in 1:1 cuts, but **subject to both minor sloughing and major sliding. One of the largest slides in the Berkeley Hills—the Drury Road slide—involves rocks of this unit**	See individual Cretaceous units	**May squeeze in tunnels** where sheared
Serpentine intensely sheared, surface weathering difficult to detect. Soil sparse or absent, seldom as much as 1 foot thick	Can be moved with power equipment in most places; blasting seldom required	Slope stability and foundation conditions fair to poor; **intensely sheared serpentine may slide in slopes as low as 2:1**	159(s); 0.1 percent; 104 (decomposed); 18 percent (19: 87–121; 8–30 percent)	**May squeeze in tunnels**

Table 1.—*Generalized description of engineering properties of map units*—Continued

Map unit[1]	General lithologic description	Topographic form
Gabbro (gb)	Gabbro, medium-grained, greenish-gray; generally altered to mottled, pale-greenish-yellow, soft material	Outcrop area small; generally on moderately steep hillsides
Franciscan Formation Sandstone and shale (KJfs)	Sandstone (graywacke), fine- to coarse-grained, greenish-gray where fresh, yellowish-brown to yellowish-orange where weathered; and shale, olive-gray. Sandstone contains fragments of other rocks, particularly shale. Beds a few inches to 30 feet in thickness. Some sandstone massive, some in thin beds interbedded with shale. Sheared and fractured. Age of Franciscan rocks ranges from Late Jurassic to Late Cretaceous (Bailey, Irwin, and Jones, 1964); age in this area unknown. Thickness and stratigraphic relations unknown	Underlies moderately steep but generally rounded hills; sharply dissected by steep-walled valleys
Franciscan Formation (Continued) Chert and shale (KJfc)	Chert and shale, rhythmically bedded; generally grayish-red, yellowish-brown where weathered, some grayish-green. Cut by numerous quartz veins. Brittle, fractured, breaks into small pieces. Some chert beds as much as 5 feet thick, but more commonly one-half inch to 3 inches thick, separated by shale partings less than 1 inch in thickness. Thickness and stratigraphic relations obscure	Forms knobs and ridges
Greenstone (KJfg)	Fine-grained igneous rock, predominantly basalt; dense, hard, tough; amygdaloidal in places. Fresh rock dark greenish gray; yellowish brown, moderate brown, grayish brown where weathered. Cut by numerous fractures; commonly altered to soft chloritic material and highly weathered	*Underlies moderately steep hills*
Metamorphic rock (KJfm)	Includes silica-carbonate rock (see explanation), low-grade schists, and semischists. Quartzo-feldspathic schist derived from sandstone is common near Hayward fault. Abundant glaucophane schist apparently derived from and grades into siltstone, sandstone, and greenstone. Sheared, fractured, altered; many quartz veins; glaucophane coats many fracture surfaces. Color yellowish-brown, gray, light-brown; glaucophane-rich rocks grayish-blue. Unit includes small amounts of unmetamorphosed sandstone, greenstone, serpentine	Generally underlies steep hillsides: silica-carbonate rock forms prominent craggy knobs
Knoxville Formation (Jk)	Shale, olive-gray, fissile; sandstone, fine- to medium-grained, olive-gray; also includes pebble conglomerate in dark shale or sandstone matrix, minor concretionary limestone, and lignite. Some shale massive, some interbedded with sandstone. Shale contains abundant *Buchia piochii*. Includes younger *Buchia*-bearing marine sedimentary rocks described by Case (1968). Thickness and stratigraphic relations unknown	Generally forms valleys, because soft shales of formation are easily eroded

Table 1.—*Generalized description of engineering properties of map units*—Continued

Weathering and soil development	Workability	Slope stability and foundation conditions	Dry density[2] moisture content and Unified Soil Classification[3]	Remarks (Includes use and earthquake stability)
Much gabbro highly altered to very soft clayey material; thick black clayey expansive soil commonly developed on gabbro	Can be moved with power equipment in most places	Slope stability and foundation conditions poor in many places. Altered gabbro and overlying clayey soil subject to creep and sliding. Slides on knoll southeast of Mills College are in dark soil probably derived from weathered gabbro	174(s); 0.4 percent; 156 (s) (weathered); 1.1 percent	
Weathered rock firm to soft. As much as 20 feet sand and sandy soil may be developed on this unit, especially on the soft, massive weathered sandstone in the Piedmont area	In places can be moved with power equipment; dense, massive sandstone may require blasting	Slope stability and foundation conditions in fresh rock good; subject to sliding where intensely sheared	162(s)(ss); 0.5 percent; 119 (weathered ss); 12 percent; (6: 115–124; 8–15)	Sandstone has been quarried to provide crushed rock for fill and base course in this area
Weathering slight; weathered rock remains hard; maximum depth of weathering observed 12 feet; soil sparse, generally a few inches thick	Can be moved with power equipment where fractured; may require blasting in places	Slope stability and foundation conditions good; stands in 1:1 to ½:1 slopes with minor sloughing of small fragments	162(s) (chert); 0.8 percent	In places has been used for fill
Unweathered greenstone seldom exposed on surface; highly weathered rock consists of crumbly rock fragments in clayey matrix. Soil less than 1 foot thick	Can be moved with power equipment	Slope stability fair. Stands in 1½:1 to 1:1 cuts. Foundation conditions good	171(s); 1.0 percent (2: 162 – 181; 0.7–1.3 percent)	In places greenstone has been used for fill
Surface weathering of silica-carbonate rock slight; weathering of other metamorphic rocks varies; some very soft. Much silica-carbonate rock bare of soil; in places soil may be several feet thick	Generally can be moved with power equipment, although some silica-carbonate rock may require blasting	Slope stability and foundation conditions fair; generally stands in 1:1 cuts	181 (s) (glaucophane schist) 0.2 percent	
Depth of weathering irregular; may be 20 feet or more in places. Some weathered rock firm, most soft, clayey. Soil commonly 1–3 feet thick	Can be moved with power equipment	Slope stability and foundation conditions generally fair; minor sloughing in cuts	160(s)(ss); 1.4 percent; 116 (weathered sh); 15 percent (3: 113–120; 13–19 percent)	May squeeze in tunnels where sheared

Table 1.—*Generalized description of engineering properties of map units*—Continued

[4]For origin of names and detailed discussion of stratigraphy of these formations see Case (1963; 1968).

[1]All map units shown in the explanation are described in the text with the exception of the undivided Pinehurst Shale and Redwood Canyon Formation (TKpr) and landslide deposits (Qls), which generally consist of disturbed soil and (or) other earth material similar to that of the map unit shown surrounding the landslide on the map.

[2] Dry density (underlined) expressed in pounds per cu ft; based on one sample of fresh rock unless otherwise noted. Number of samples and range of dry density and moisture content given in parentheses; (12: 106–109; 17–20 percent). (s) indicates sample collected at the surface. Moisture content (percent) generally higher for subsurface samples of rocks than for those collected at the surface.

[3] Unified Soil Classification (letter symbol) given where applicable (U.S. Army, Corps of Engineers, 1953, "The Unified Soil Classification System": U.S. Army, Corps of Engineers, Tech. Memo. 3–357, v. 1–3).

Faulting:

The rocks of most of the above units have been compressed into northwest-trending folds and **cut by numerous faults.** These faults range in size from very small breaks a few inches in length with a displacement of less than an inch to faults of the Hayward fault zone, which extends from the northwest corner to the southeast corner of the quadrangle and for many miles farther in either direction. The Hayward fault zone is here considered as the zone within which surface breakage associated with earthquakes has been recorded during historic time and other movement has taken place recently enough in the geologic past that geologic and geomorphic features indicating recent movement are still clearly visible. The fault zone lies in a broad band of acute deformation, described by Lawson in the San Francisco folio (1914). A major fault, the Chabot fault (named by Robinson, 1956), which is older than the currently active Hayward fault zone and apparently inactive, lies east of the Hayward fault zone and subparallel to it, separating the Upper Cretaceous rocks to the northeast from the older rocks and the Leona Rhyolite[4] to the southwest. The Chabot fault and a number of other northwest-trending faults east of the Hayward fault zone are cut by north-trending predominantly right-lateral faults and lesser northeast-trending predominantly left-lateral faults, recognized by Case (1963).

The fractured rocks along any of the faults mentioned above may form passages for ground water, and cuts made across them may require draining; the soft sheared rocks are also subject to landsliding.

Surface outcrops, as well as exposures in the Bay Area Rapid Transit Berkeley Hills tunnel, show that a low-angle, eastward-dipping fault, thought to be an extension of the Chabot fault, separates Upper Cretaceous rocks from serpentine, rhyolite, and Knoxville shale north of Lake Temescal. A fault bounding the rhyolite on the east has been recognized in this area by Lawson (1914), Clark (1917) and Case (1963). It is presumed to be a reverse fault, with the Upper Cretaceous rocks thrust to the southwest over the younger Leona Rhyolite and the older rocks it has intruded.

Several thrust faults have been mapped north and east of the quadrangle; most of them dip to the southwest but some dip to the northeast (Ham, 1952; Lawson, 1914). Ham (1952) tentatively correlated the Moraga fault (Clark, 1933) with the Cull Creek thrust fault in the Las Trampas Ridge quadrangle; correlation of the Moraga fault with part of Ham's Miller Creek thrust fault was proposed later by Case (1963). Compression late in the Tertiary, and possibly in the very early Pleistocene, may have produced the northwest-trending folds and faults (with the exception of the Hayward fault) and two subordinate sets of wrench faults.

It has been suggested (Bailey, Irwin, and Jones, 1964) that the Knoxville and younger rocks have been thrust over the underlying Franciscan Formation in many parts of California. However, no evidence to either confirm or deny this hypothesis was found in the Oakland East quadrangle, as the volume of Franciscan and Knoxville rocks exposed is relatively small and the rocks are badly contorted; the age of the Franciscan Formation in this area is unknown; and the structure of the Franciscan and Knoxville is here further complicated by the intrusion of the Leona Rhyolite and recent movement along the Hayward fault zone.

The Hayward fault zone is the only one in the quadrangle along which movement is known to have taken place in historic time. It apparently represents the most recent episode of deformation in this area, and appears to cut the older Chabot fault; it is not itself cut by any north- or northwest-trending cross faults. **Severe earthquakes were caused by movement along faults within the Hayward fault zone in 1836 and 1868.** Surface ruptures along the fault zone were reported from San Pablo (to the northwest) to Mission San Jose (to the southeast) in 1836, and from Berkeley to Warm Springs (34 miles to the southeast) in 1868. Therefore, **the entire length of the Hayward fault zone in this quadrangle can be assumed to be active.** The exact lines of ground rupture in 1836 and 1868 within the quadrangle are unknown, except for reported breakage extending across the west side of the California School for the Deaf and Blind and northwestward between Prospect and Warring Streets, at the northwest corner of the quadrangle, and near Foothill Boulevard about a block southeast of 98th Street, near the southeast corner of the quadrangle (Radbruch, 1967). Recent right-lateral offset along faults within the zone is indicated by bends in Arroyo Viejo and Strawberry Creek. Movement along the faults has apparently been both vertical and horizontal, with the most recent movement right lateral; that is, if one looks across a fault, rocks on the far side of the fault appear to have moved to the right with respect to those on the near side. In the Hayward fault zone, rocks on the northeast side of a fault appear to have moved southeast with respect to those on the southwest side.

The exact width of the Hayward fault zone is difficult to determine, but it is estimated to range from about 500 feet south of Lake Temescal to more than three-fourths of a mile near the southeast corner of the quadrangle. Fault traces shown along the zone are based on evidence that includes lines of springs, topographic sags or trenches, fault scarps, offset streams, fault contacts

between rocks of different age and lithology; borings showing unusual depth to rock (interpreted as indicating erosion and alluvial deposition along a crushed zone); and extensive shearing of exposed rock. In many places the trace locations can only be inferred. The traces shown on the map should not be construed as indicating the only lines within the zone where movement has taken place in the past, nor are they necessarily lines where movement will take place in the future. Future movement within the Hayward fault zone may or may not follow the specific traces of faulting shown on the map.

Slow tectonic movement, or creep, is at present taking place at several locations along the Hayward fault zone, with resultant damage to manmade structures which cross the line of creep. Both the Claremont water tunnel and the drainage culvert under the University of California stadium have been damaged by this slow movement along a fault plane or band of shearing within the Hayward fault zone. It is not known whether creep is occurring along the fault zone elsewhere in this quadrangle, although discrepancies recently noted in rechecks of survey lines crossing the zone at 98th Avenue and at Lincoln Avenue may indicate right-lateral movement within the fault zone of approximately 0.1 to 0.15 foot in 10 years (Earl Buckingham, supervising Civil Engineer, City of Oakland, oral commun., 1966). Tectonic creep within the Hayward fault zone has been observed southeast of this area, in Fremont (Radbruch, Bonilla, and others, 1966). Cracking and offset of curbs seen to the northwest, in Richmond, and cracking, right-lateral offsets, and distortion of curbs, streets, and buildings observed to the southeast, in Hayward, are also the result of creep along the Hayward fault zone. **Structures which lie within or cross the Hayward fault zone may not only be damaged by sudden movement, offset, and rupture along a fault at the time of an earthquake originating in the fault zone, but may also be subject to constant strain and damage due to the opposite sides of faults within the zone continuously moving very slowly in opposite directions.**

[4] The age of the Leona Rhyolite was considered early or middle Pleistocene by Robinson (1953, 1956) on the basis of work in the Hayward quadrangle. He believed it to be post-Pliocene because it was little deformed in the area studied. Previous workers (Lawson, 1914; Clark, 1917) reported that the rhyolite had been much affected by faulting, and recent work by the author and others (Case, 1963) in the Oakland East quadrangle indicates much faulting and deformation of the rhyolite. Lawson tentatively dated the Leona Rhyolite as late Tertiary, probably Pliocene; Clark thought it was probably Pliocene or older. Deeply weathered Leona Rhyolite is overlain by deformed alluvial deposits of probable Irvingtonian (early Pleistocene) age. Its age is therefore considered to be Pliocene(?) in this report.

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ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

April 11, 2000

Manijeh Faraji
2000 Stratton Rd.
Walnut Creek, CA 94598

Dear Ms. Faraji:

Subject: Freeway Station & Service, 2740-98th Ave., Oakland, CA 94605
StId 1130

You have informed Alameda County Environmental Health that you intend to sell your property located at 2740-98th Ave., Oakland, CA in Alameda County ("Site"). Alameda County Environmental Health has been the lead agency in connection with the investigation and remediation of soil and groundwater contamination at the site. Over the past year, Ms. Faraji has been sent letters requesting additional information/work at this site. She met with me today and committed to provide the additional information or to have the additional work performed.

An extensive subsurface investigation has been conducted at the Site. Technical reports submitted by Ms. Faraji's consultants indicate that borings were drilled where evidence existed of potential pollutant releases. Groundwater monitoring wells have been installed to characterize groundwater contamination.

Alameda County Environmental Health considers Ms. Faraji to be the primarily responsible party in connection with the remediation of contamination at the Site, and Alameda County Environmental Health expects Ms. Faraji to implement remedial action until closure is obtained. Alameda County Environmental Health does not pursue prospective purchasers where the primarily responsible party has the financial resources necessary to conduct the remediation, and where that responsible party is satisfactorily engaged in active remediation. This site is in the state cleanup fund, so the primary responsible party must stay involved to remain in the cleanup fund.

Please contact me at (510) 567-6746 if you have any additional questions.

Sincerely,

Don Hwang
Hazardous Materials Specialist

C: file

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

Certified Mail P 155 530 617

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9432

December 2, 1999

Molly Ghofrani
2000 Stratton Rd.
Walnut Creek, CA 94598

2nd NOTICE OF VIOLATION

Re: Freeway Station & Service, 2740-98th Ave., Oakland, CA 94605
Stid 1130

Dear Ms. Ghofrani:

On October 8, 1999, May 21, 1999, and March 25, 1999, you were sent letters requesting the following information:

1) A review of "Soil Sampling Beneath Removed UST at the Property Located at 2740-98th Ave., Oakland, CA, Dec. 18, 1998, File No. 7-93-556-SI" by Enviro Soil Tech Consultants found that the samples were not analyzed for chlorinated hydrocarbons (Cl HC), polychlorinated biphenyls (PCB), pentachlorophenol (PCP), polynuclear aromatics (PNA), or creosote. Sampling for these constituents is required.

2) Also, the above report did not include disposal records for the stockpiled soil. Disposal records for the stockpiled soil are required.

3) The report was prepared for Molly Ghofrani, 2000 Stratton Rd., Walnut Creek, CA 94598. Our records have Kiyoumars Ghofrani as the responsible party. If this has changed, then Molly Ghofrani's telephone numbers are needed.

4) Submit a copy of "Dorothy Radbruch's 1969 U.S. Geological Survey map GQ-769, Arial and Engineering Geology of the Oakland East Quadrangle, California, Scale 1:24,000". This map is needed to show the "...active spring at the base of the hill across 98th Ave." mentioned on page 7 of the report, "Additional Subsurface Investigation for the Property... 2740-98th Ave., Oakland, CA, Oct. 3, 1996".

5) Additionally, you were sent a letter entitled "LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS" and asked to fill out and return the form, "SAMPLE LETTER (2): LIST OF LANDOWNERS FORM".

This letter constitutes a formal request for technical reports pursuant to California Water Code Section 13267(b) and Health and Safety Code Section 25299.37 and 25299.7. Failure to comply with the request will result in referral of this case to the Alameda County District Attorney's Office. You are further advised that failure to comply may subject you to penalties of up to $5000 per day.

Thus far, the information requested has not been received. Please submit the information required within 30 days.

If you have any questions, please call me at (510) 567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist

C: Enviro Soil Tech Consultants, 131 Tully Rd., San Jose, CA 95111
file
L.S.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

October 8, 1999

ENVIRONMENTAL HEALTH SERVICES
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9335 (FAX)

Molly Ghofrani
2000 Stratton Rd.
Walnut Creek, CA 94598

NOTICE OF VIOLATION

Re: Freeway Station & Service, 2740-98th Ave., Oakland, CA 94605; Stid 1130

Dear Ms. Ghofrani:

On October 7, 1999, I called Sabrina Baptiste of the Law Office of Robert Shepard. She stated that the aforementioned property didn't complete escrow. Therefore, you are still responsible for providing the information requested:

1) A review of "Soil Sampling Beneath Removed UST at the Property Located at 2740-98th Ave., Oakland, CA, Dec. 18, 1998, File No. 7-93-556-SI" by Enviro Soil Tech Consultants found that the samples were not analyzed for chlorinated hydrocarbons (Cl HC), polychlorinated biphenyls (PCB), pentachlorophenol (PCP), polynuclear aromatics (PNA), or creosote. Sampling for these constituents is required. Also, the above report did not include disposal records for the stockpiled soil. Disposal records for the stockpiled soil are required.
2) The report was prepared for Molly Ghofrani, 2000 Stratton Rd., Walnut Creek, CA 94598. Our records have Kiyoumars Ghofrani as the responsible party. If this has changed, then Molly Ghofrani's telephone numbers are needed.
3) Submit a copy of "Dorothy Radbruch's 1969 U.S. Geological Survey map GQ-769, Arial and Engineering Geology of the Oakland East Quadrangle, California, Scale 1:24,000". This map is needed to show the "...active spring at the base of the hill across 98th Ave." mentioned on page 7 of the report, "Additional Subsurface Investigation for the Property... 2740-98th Ave., Oakland, CA, Oct. 3, 1996".
4) Additionally, you were sent a letter entitled "LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS" and asked to fill out and return the form, "SAMPLE LETTER (2): LIST OF LANDOWNERS FORM".

Please submit the information requested within 30 days. If ownership of the property has indeed changed, then you need to let me know. I may be reached at (510) 567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist
dh

C: Sabrina Baptiste, Law Office of Robert Shepard, 1231 Fulton St. #1, San Francisco, CA 94117
Enviro Soil Tech Consultants, 131 Tully Rd., San Jose, CA 95111
file

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9335 (FAX)

September 17, 1999

Molly Ghofrani
2000 Stratton Rd.
Walnut Creek, CA 94598

Re: Freeway Station & Service, 2740-98th Ave., Oakland, CA 94605; Stid 1130

Dear Ms. Ghofrani:

On July 13, 1999, I received a call from Sabrina Baptiste representing the Law Office of Robert Shepard. She stated that the aforementioned property was in escrow and should close July 24, 1999, then it would take an additional 60 days to determine who would be responsible for providing the information requested:

1) A review of "Soil Sampling Beneath Removed UST at the Property Located at 2740-98th Ave., Oakland, CA, Dec. 18, 1998, File No. 7-93-556-SI" by Enviro Soil Tech Consultants found that the samples were not analyzed for chlorinated hydrocarbons (Cl HC), polychlorinated biphenyls (PCB), pentachlorophenol (PCP), polynuclear aromatics (PNA), or creosote. Sampling for these constituents is required. Also, the above report did not include disposal records for the stockpiled soil. Disposal records for the stockpiled soil are required.

2) The report was prepared for Molly Ghofrani, 2000 Stratton Rd., Walnut Creek, CA 94598. Our records have Kiyoumars Ghofrani as the responsible party. If this has changed, then Molly Ghofrani's telephone numbers are needed.

3) Submit a copy of "Dorothy Radbruch's 1969 U.S. Geological Survey map GQ-769, Arial and Engineering Geology of the Oakland East Quadrangle, California, Scale 1:24,000". This map is needed to show the "...active spring at the base of the hill across 98th Ave." mentioned on page 7 of the report, "Additional Subsurface Investigation for the Property... 2740-98th Ave., Oakland, CA, Oct. 3, 1996".

4) Additionally, you were sent a letter entitled "LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS" and asked to fill out and return the form, "SAMPLE LETTER (2): LIST OF LANDOWNERS FORM".

Please let me know if someone other than you is responsible for providing the above information. If you have any questions, call me at (510) 567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist
6.51

C: Sabrina Baptiste, Law Office of Robert Shepard, 1231 Fulton St. #1, San Francisco, CA 94117
Enviro Soil Tech Consultants, 131 Tully Rd., San Jose, CA 95111
file

ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants

131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel. (408) 297-1500 Fax: (408) 292-2116

DATE: 1/08/99 **TIME:**

TO: ACHSA

ATTN: Mr. Don Hwang

RE: Freeway Service Station

FAX: 510-337-9335 **TOTAL PAGE** 27

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****

FROM: Dianna

FAX: 408-292-2116

NOTE: Per your request, enclosed is the records from BBI.

PLEASE CALL (408) 297-1500 IF YOU DO NOT RECEIVE ALL THE PAGES.

INTRODUCTION

This document, prepared on the request of SOMA ENVRONMENTAL ENGINEERING, reports the findings of BBL's investigation of environmental concerns in the vicinity of 2740 98th Ave,oakland. It is divided in the following segments:

Map - showing the location of the identified sites relative to the subject site. A total of 29 separate sites were identified.

Summary - listing the identified sites by street names.

Final Report - describing the sources investigated and the resulting findings:

- Federal sources		
National Priority List	no sites	within 1 mile radius.
CERCLIS	no sites	within 1 mile radius.
NFRAP	3 sites	within 1 mile radius.
Federal Facilities	no sites	within 1 mile radius.
Emergency Response Notification System	6 sites	within half of a mile.
Site Enforcement Tracking System	1 site	within 1 mile radius.
Enforcement Docket System (DOCKET/CDETS)	no sites	within half of a mile.
C-Docket	no sites	within half of a mile.
RCRA Violators List	no sites	within 1 mile radius.
Federal Enforcement Dockets	no sites	within 1 mile radius.
- California State sources		
Annual Work Plan	1 site	within 1 mile radius.
CALSITES	1 site	within 1 mile radius.
CALSITES - No Further Action	1 site	within half of a mile.
Cortese	no sites	within 1 mile radius.
Leaking Underground Storage Tanks	10 sites	within 1 mile radius.
Solid Waste Information System	no sites	within 1 mile radius.
Well Investigation Program	no sites	within 1 mile radius.
Drinking Water Program	no sites	within 1 mile radius.
- Regional sources		
Toxic Releases	no sites	within 1 mile radius.
Toxic Pits	no sites	within 1 mile radius.
Solid Waste Assessment Test - Regional	no sites	within 1 mile radius.
- Operating permits		
RCRA Generators	7 sites	within half of a mile.
RCRA - TSD Facilities	no sites	within 1 mile radius.
SARA Title III,section 313 (TRIS)	no sites	within half of a mile.
Nuclear Regulatory Commission Licensees	no sites	within half of a mile.
PCB Waste Handlers Database	no sites	within half of a mile.
Permit Compliance System (PCS)	no sites	within half of a mile.
AIRS Facility System (AFS)	no sites	within half of a mile.
Section Seven Tracking System	no sites	within half of a mile.
FIFRA/TSCA tracking system	no sites	within half of a mile.
Federal Facilities Information System (FFIS)	no sites	within half of a mile.
Chemicals in Commerce Information System	no sites	within half of a mile.
FINDS EPA Facility Index System	no sites	within half of a mile.
Hazardous Waste Information System	17 sites	within half of a mile.
Underground Storage Tanks	6 sites	within half of a mile.

ENVIRONMENTAL CONCERNS - HIGH PRIORITY

ENVIRONMENTAL CONCERNS

ENVIRONMENTAL CONCERNS - WITH A 'NO FURTHER ACTION' STATUS'

OPERATING PERMITS ONLY

3.2 inches to 1 mile

APPROXIMATE LOCATION OF IDENTIFIED SITES IN THE VICINITY OF THE SUBJECT SITE
AT 2740 98TH AVE,OAKLAND

1.	ARCO	2740	98TH AVE
2.	UNK	2860	98TH AVE
3.	BP OIL COMPANY	3101	98TH AVE
4.	ROMAN CATH WELFARE CORP	9500	STEARNS AVE
5.	SHELL	9750	GOLF LINKS RD
6.	FRANKS AUTO REPAIR	9765	MOUNTAIN BLVD
7.	OAKLAND ZOO THE	9777	GOLF LINKS RD
8.	UNK	9819	MAC ARTHUR BLVD
9.	CANDYCE SCOTT RESIDENCE	2706	TRUMAN AVE
10.	L & H AUTO RPR	9868	MAC ARTHUR BLVD
11.	LE DAYS EXPERT CLEANING	10018	MAC ARTHUR BLVD
12.	U-SAVE POWER EQUIPTMENT	9370	MAC ARTHUR BLVD
13.	TIRES & BRAKES FOR LESS	10201	MAC ARTHUR BLVD
14.	U SAFE CARDEN CENTER	9317	MAC ARTHUR BLVD
15.	7-ELEVEN STORE 2212-19403/CD	10501	FOOTHILL BLVD
16.	VALLEY SLURRY SEAL		106TH & PERALTA AVE
17.	UNKNOWN		I-580 & 106TH & FOOTHILL BLVD
18.	CHEVRON USA INC SERVICE STATIO	9001	MAC ARTHUR BLVD
19.	BP OIL COMPANY	2220	98TH AVE
20.	BILL & BILLS BODY SHOP	8814	MAC ARTHUR BLVD
21.	ARCO	10500	MAC ARTHUR BLVD
22.	SAL'S CAR WASH	8930	MAC ARTHUR BLVD
23.	UNOCAL	9780	BANCROFT AVE
24.	ULTRA CORP.-PRESTOLITE BATTERY		98TH & BANCROFT AVE
25.	NEALS CLEANERS	8917	MAC ARTHUR BLVD
26.	YOUNG CLEANERS	10700	MAC ARTHUR BLVD
27.	UNOCAL	98	MAC ARTHUR BLVD
28.	BP	100	MAC ARTHUR BLVD
29.	USNAVY OAKLAND NAVAL REGIONAL	8750	MOUNTAIN BLVD
30.	RALPH E. DEROSSETT & RENEE C,	145	BEVERLY AVE

UNKNOWN LOCATIONS

CA TANK LINES, FLEICSHMANS	98TH AVE
LAKE CHABOT LANDFILL	GOLF LINKS RD

AREA LOCATIONS

SAN LEANDRO REGIONAL PLUME	SAN LEANDRO (GROUNDWATER CONTAMINATION)

ENVIRONMENTAL RECORDS SEARCH

SUMMARY

ENVIRONMENTAL RECORDS SEARCH FOR
2740 98TH AVE,OAKLAND

Page: 1
Job : SOMA3303
Date: 07-14-1998

ADDRESS		CITY	MAP LOC	DIR	LOCATION	SOURCE	STATUS
ENVIRONMENTAL CONCERNS, WITHIN 1/4 MILE OF THE SUBJECT SITE							
2950	98TH AVE	OAKLAND	2	W	UNK	ER	
3101	98TH AVE	OAKLAND	3	NE	BP	LT	9
					BP OIL COMPANY	HW	
					YOUNG H. KIM DBA KIM'S MOBIL	UT	87&93
					YOUNG H. KIM DBA KIM'S MOBIL	UT	87&95
					KIMS MOBIL SERVICE	HW	
					TOSCO NORTHWEST CO NO 11122	RN	
					PETE'S BP AUTO SERVICE	HW	
					TOSCO NORTHWEST CO NO 11122	RN	S
					SHELL	LT	9
9750	GOLF LINKS RD	OAKLAND	5	NE	SHELL STATION #204-5508-2808	RN	S
9750	GOLF LINKS RD, /KNOWLAND	OAKLAND	5	NE	SHELL STATION #204-5508-2808	HW	
9750	GOLF LINKS RD, KNOWLAND	OAKLAND	5	NE	JOE HOLSWORTH-KNOWLAND PARK SH	UT	87&95
9750	GOLF LINKS RD	OAKLAND	8	SW	UNK	ER	
9619	MAC ARTHUR BLVD	OAKLAND	1		ARCO	LT	1
2740	98TH AVE				FREEWAY ARCO	UT	87&95
					FREEWAY ARCO GAS STATION & SER	HW	
	SAN LEANDRO (GROUNDWATER CONTAMINATION)	SAN LEANDRO		S	SAN LEANDRO REGIONAL PLUME	BP	AWP
ENVIRONMENTAL CONCERNS, WITHIN 1/4 - 1/2 MILE OF THE SUBJECT SITE							
10016	MAC ARTHUR BLVD	OAKLAND	11	S	LE DAYS EXPERT CLEANING	AN	RED
10501	FOOTHILL BLVD	OAKLAND	15	SE	7 ELEVEN	LT	3B
					7-ELEVEN STORE 2212-19403/CD	RN	
					7-ELEVEN STORE 2212-19403/CD	HW	
	106TH & PERALTA AVE	OAKLAND	16	SE	VALLEY SLURRY SEAL	ER	
	I-580 & 106TH & FOOTHILL BLVD	OAKLAND	17	SE	UNKNOWN	ER	
2220	98TH AVE	OAKLAND	19	SW	BP MOBIL	LT	5R
					MOBILE OIL #10-MGV	HW	
					MOBIL SERVICE STATION	UT	87&95
					TOSCO NORTHWEST CO NO 11133	RN	
					TOSCO NORTHWEST CO NO 11133	RN	S
					BP OIL COMPANY	HW	
9780	BANCROFT AVE	OAKLAND	23	W	UNOCAL	LT	9
	98TH & BANCROFT AVE	OAKLAND	24	SW	ELTRA CORPORATION - PRESTOLITE	AS	VCP
					ELTRA CORP PRESTOLITE BATTERY	NF	NFA
					ELTRA CORP.,PRESTOLITE BATTERY	HW	
ENVIRONMENTAL CONCERNS, WITHIN 1/2 - 3/4 MILE OF THE SUBJECT SITE							
10600	MAC ARTHUR BLVD	OAKLAND	21	S	ARCO	LT	5C
10700	MAC ARTHUR BLVD	OAKLAND	26	S	YOUNG CLEANERS	LT	1
ENVIRONMENTAL CONCERNS, WITHIN 3/4 - 1 MILE OF THE SUBJECT SITE							
98	MAC ARTHUR BLVD	OAKLAND	27	SE	UNOCAL	LT	1
100	MAC ARTHUR BLVD	OAKLAND	28	SE	BP	LT	3B
9750	MOUNTAIN BLVD	OAKLAND	29	N	USNAVY OAKLAND NAVAL REGIONAL	NF	NFA
145	BEVERLY AVE	SAN LEANDRO	30	S	RALPH E. DEROSSETT & RENEE C.	SE	
SITES WITH UNKNOWN OR NON-SPECIFIC LOCATION							
	98TH AVE	OAKLAND			CA TANK LINES, FLEISHMANS	ER	
	GOLF LINKS RD	OAKLAND			LAKE CHABOT LANDFILL	NF	NFA
					UNK	ER	

OPERATING PERMITS ONLY FOR
2740 98TH AVE,OAKLAND

Page: 2
Job : SOMA3303
Date: 07-14-1998

ADDRESS		CITY	MAP LOC	DIR	LOCATION	SOURCE	STATUS
OPERATING PERMITS ONLY, WITHIN 1/4 MILE OF THE SUBJECT SITE							
9500	STEARNS AVE	OAKLAND	4	NW	ROMAN CATH WELFARE CORP	HW	
9765	MOUNTAIN BLVD	OAKLAND	6	NE	FRANKS AUTO REPAIR	HW	
9777	GOLF LINKS RD	OAKLAND	7	E	OAKLAND ZOO THE	HW	
2708	TRUMAN AVE	OAKLAND	9	S	CANDYCE SCOTT RESIDENCE	HW	
9969	MAC ARTHUR BLVD	OAKLAND	10	SW	L & H AUTO RPR	HW	
					SANG UP KIM	HW	
					NAM'S TRANSMISSION	UT	87383
					L & H AUTO	UT	19951
OPERATING PERMITS ONLY, WITHIN 1/4 - 1/2 MILE OF THE SUBJECT SITE							
9870	MAC ARTHUR BLVD	OAKLAND	12	W	U-SAVE POWER EQUIPTMENT	HW	
					U-SAVE POWER EQUIPMENT	HW	
9370	MAC ARTHUR BLVD, STE 9	OAKLAND	12	W	U-SAVE POWER EQUIP	HW	
10201	MAC ARTHUR BLVD	OAKLAND	13	S	TIRES & BRAKES FOR LESS	HW	
9317	MAC ARTHUR BLVD	OAKLAND	14	W	U SAFE GARDEN CENTER	HW	
9001	MAC ARTHUR BLVD	OAKLAND	18	NW	CHEVRON USA INC SERVICE STATIO	HW	
					CHEVRON USA INC SERV STA #9389	RN	
8914	MAC ARTHUR BLVD	OAKLAND	20	NW	BILL & BILLS BODY SHOP	RN	S
					BILL & BILLS BODY SHOP	HW	
8930	MAC ARTHUR BLVD	OAKLAND	22	NW	SAL'S CAR WASH	UT	87
OPERATING PERMITS ONLY, WITHIN 1/2 - 3/4 MILE OF THE SUBJECT SITE							
8917	MAC ARTHUR BLVD	OAKLAND	25	NW	NEALS CLEANERS	RN	
					NEALS CLEANERS	HW	

REFERENCED SOURCES

Job : SOMA3303
Date: 07-14-1998

FEDERAL SOURCES

NL NATIONAL PRIORITY LIST (01/28/98)
CC CERCLIS (01/28/98)
NF NFRAP (01/28/98)
FF FEDERAL FACILITIES (01/28/98)
ER EMERGENCY RESPONSE NOTIFICATION SYSTEM (1988-1997)
SE SITE ENFORCEMENT TRACKING SYSTEM (05/21/97)
DO ENFORCEMENT DOCKET SYSTEM (DOCKET/CDETS)
CD C-DOCKET (01/97)
RV RCRA VIOLATORS LIST (01/28/98)
FD FEDERAL ENFORCEMENT DOCKETS

CALIFORNIA STATE SOURCES

BP ANNUAL WORK PLAN (12/07/97)

BKLG	Backlog	DLST	Delisted from the AWP	AWP	Active AWP site
REFRW	Referred to the RWQB	COM	Certified, maint mode	REFRC	Referred to RCRA
CERT	Certified after remediation				

AS CALSITES (12/07/97)

PEARL	Prel Assmnt Low priority	NFA	No Further Action for DTSC	PEARM	Prel Assmnt Medium priority
EPA	EPA is the lead agency	PEARH	Prel Assmnt High priority	RCRA	Mitigated under the RCRA
SSR	Site Screening Required	RWQCB	Mitigated under RWQB	HRR	Hazard Ranking Required
CNTY	County lead	PRPR	PRP Search Required	OAL	Other Agency lead

AN CALSITES - NO FURTHER ACTION (12/07/97)

NFA	No Further Action	RED	Closed Case

CS CORTESE (12/96)

WRCBT	Tank leak	DHS3	Cont large well	DHS1	Abandoned haz waste site
DHS6	section 25356	DHS2	Cont small well	CWMB	Disposal site

LT LEAKING UNDERGROUND STORAGE TANKS (12/97)

0	No action	3B	Prel site assmnt underway	7	Remedial action underway
1	Leak being confirmed	5C	Pollution characterization	8	Post remedial action monitoring
3A	Site workplan submitted	5R	Remediation plan	9	Case closed

SS SOLID WASTE INFORMATION SYSTEM (12/97)
WP WELL INVESTIGATION PROGRAM
WQ DRINKING WATER PROGRAM

REGIONAL SOURCES

NT TOXIC RELEASES
TP TOXIC PITS (12/95)
SR SOLID WASTE ASSESSMENT TEST - REGIONAL (09/96)

OPERATING PERMITS

RN RCRA GENERATORS (01/98)

L	Large Generator	T	Transporter	S	Small Generator

TD RCRA - TSD FACILITIES (01/98)

I	Incinerator	D	Land Disposal	T	Storage/Treatment

SA SARA TITLE III,SECTION 313 (TRIS) (01/98)
NC NUCLEAR REGULATORY COMMISSION LICENSEES (01/98)
PB PCB WASTE HANDLERS DATABASE (01/98)
PC PERMIT COMPLIANCE SYSTEM (PCS) (01/98)
AF AIRS FACILITY SYSTEM (AFS) (01/98)
PS SECTION SEVEN TRACKING SYSTEM (01/98)
FT FIFRA/TSCA TRACKING SYSTEM (01/98)
FI FEDERAL FACILITIES INFORMATION SYSTEM (FFIS) (01/98)
CI CHEMICALS IN COMMERCE INFORMATION SYSTEM (01/98)
FN FINDS EPA FACILITY INDEX SYSTEM (01/98)
HW HAZARDOUS WASTE INFORMATION SYSTEM (1984-1998)
UT UNDERGROUND STORAGE TANKS

ENVIRONMENTAL RECORDS SEARCH

LISTED BY SOURCE

INTRODUCTION

BBL has used its best effort but makes no claims as to the completeness or accuracy of the referenced government sources or the completeness of the search. Our records are frequently updated but only as current as their publishing date and may not represent the entire field of known or potential hazardous waste or contaminated sites. To ensure complete coverage of the subject property and surrounding area, sites may be included in the list if there is any doubt as to the location because of discrepancies in map location, zip code, address, or other information in our sources. For additional information call 619 793-0641.

The following government sources have been searched for sites within one mile radius,unless otherwise stated, of the subject location.

FEDERAL SOURCES

NPL National Priority List

EPA has prioritized sites with significant risk to human health and the environment. These sites receive remedial funding under the Comprehensive Environmental Response Conservation and Liability Act (CERCLA).

No listings within 1 mile radius of the subject site.

CERCLIS Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS is a data base used by the EPA to track activities conducted under the Comprehensive Environmental Response and Liability Act CERCLA (1980) and the amendment the Superfund Amendments and Reauthorization Act SARA (1986).

Sites to be included are identified primarily by the reporting requirements of hazardous substances Treatment, Storage and Disposal(TSD) facilities and releases larger than specific Reportable Quantities(RQ), established by EPA.

Using the National Oil and hazardous Substance Pollution Contingency Plan(National Contingency Plan) the EPA set priorities for cleanup.

The EPA rates National Contingency Plan sites according to a quantitative Hazard Ranking System(HRS) based on the potential health risk via any one or more pathways: groundwater,surface water, air, direct contact, and fire/explosion.

The EPA and state agencies seek to identify potentially responsible parties(PRP) and ultimately Responsible Parties(RP) who can be required to finance cleanup activities, either directly or through reimbursement of federal Superfund expenditures.

No listings within 1 mile radius of the subject site.

NFRAP No Further Remedial Action Planned sites (CERCLIS)

As of February 1995, CERCLIS sites designated 'No Further Remedial Action Planned' NFRAP have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the site being placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.

EPA has removed these NFRAP sites from CERCLIS to lift unintended barriers to the redevelopment of these properties. This policy change is part of EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens promote economic redevelopment of unproductive urban sites.

Site: ELTRA CORP PRESTOLITE BATTERY
Address: 98TH & BANCROFT AVE
City: OAKLAND
Map Loc: 24 - within 1/4 - 1/2 mile SW of the subject
Status: EPA ID#: CAD980637169

Site: LAKE CHABOT LANDFILL
Address: GOLF LINKS RD
City: OAKLAND
Status: EPA ID#: CAD983580980

Site: USNAVY OAKLAND NAVAL REGIONAL
Address: 8750 MOUNTAIN BLVD
City: OAKLAND
Map Loc: 29 - within 3/4 - 1 mile N of the subject
Status: EPA ID#: CA0170027254

FEDFAC Federal Facilities

As part of the CERCLA program, federal facilities with known or suspected environmental problems, the Federal Facilities Hazardous Waste Compliance Docket is tracked separately to comply with a Federal Court order.

No listings within 1 mile radius of the subject site.

ERNS Emergency Response Notification System

The ERNS is a national computer database used to store information on unauthorized releases of oil and hazardous substances. The program is a cooperative effort of the Environmental Protection Agency, the Department of Transportation Research and Special Program Administration's John Volpe National Transportation System Center and the National Response Center.

There are primarily five Federal statutes that require release reporting:the Comprehensive Environmental Response,Compensation and Liability Act (CERCLA) section 103; the Superfund Amendments and Reauthorization Act(SARA) Title III Section 304; the Clean Water Act of 1972(CWA) section 311(b)(3); and the Hazardous Material Transportation Act of 1974(HMTA section 1808(b).

This list has been researched within half of a mile radius of the subject site.

Site: VALLEY SLURRY SEAL
Address: 106TH & PERALTA AVE
City: OAKLAND
Map Loc: 16 - within 1/4 - 1/2 mile SE of the subject
Status: 8800023587 700 GAL of PAVEMENT SLURRY (08/17/1988)

Site: CA TANK LINES, FLEICSHMANS
Address: 98TH AVE
City: OAKLAND
Status: 9000022199 1200 GAL of SULFURIC ACID (07/16/1990)

Site: UNK
Address: 2660 98TH AVE
City: OAKLAND
Map Loc: 2 - within 1/4 mile W of the subject
Status: 8800024582 5 GAL of PERCHLOROETHYLENE (12/01/1988)

Site: UNK
Address: GOLF LINKS RD
City: OAKLAND
Status: 8900014437 2 GAL of CHLORINE (06/14/1989)

Site: UNKNOWN
Address: I-580 & 106TH & FOOTHILL BLVD
City: OAKLAND
Map Loc: 17 - within 1/4 - 1/2 mile SE of the subject
Status: 9100030698 50 LBS of SYNTHETIC YELLOW IRON OXIDE

Site: UNK
Address: 9819 MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 8 - within 1/4 mile SW of the subject
Status: 8900026482 8 BBL of CREOSOTE OR ASPHALT RESIDUES

SETS Site Enforcement Tracking System (SETS)

When expanding Superfund monies at a CERCLA (Comprehensive Environmental Response, Compensation and Liability Act) Site, EPA must conduct a search to identify parties with potential financial responsibility for remediation of uncontrolled hazardous waste sites. EPA regional Superfund Waste Management Staff issue a notice letter to the potentially responsible party (PRP). The status field contains the EPA ID number and name of the site where the actual pollution occurred.

Site: RALPH E. DEROSSETT & RENEE C.
Address: 145 BEVERLY AVE
City: SAN LEANDRO
Map Loc: 30 - within 3/4 - 1 mile S of the subject
Status:

DO Enforcement Docket System (DOCKET)/Consent Decree Tracking System (CDETS)

DOCKET tracks civil judicial cases against environmental polluters, while CDETS processes court settlements, called consent decrees.

No listings within half of a mile radius of the subject site.

CD Criminal Docket System (C-DOCKET)

The Criminal Docket System is a comprehensive automated system for tracking criminal enforcement actions. C-Docket handles data for all environmental statues and ttracks enforcement actions from the initial stages of investigations through conclusion.

No listings within half of a mile radius of the subject site.

RCRA RCRA Violators List (CORRACTS)

The Resource Conservation and Recovery Act of 1976 provides for "cradle to grave" regulation of hazardous wastes. RCRA requires regulation of hazardous waste generators, transporters, and storage/treatment/disposal sites. Evaluation to potential violations, ranging from manifest requirements to hazardous waste discharges, is typically conducted by the US EPA. This data base is also known as Corrective Action Report (CORRACTS)

If enforcement is required, it is typically delegated to a state agency.

No listings within 1 mile radius of the subject site.

FD Federal Enforcement Dockets

The US EPA, Office of Enforcement, maintains a list of sites under enforcement by the US EPA.

No listings within 1 mile radius of the subject site.

CALIFORNIA STATE SOURCES

AW Annual Work Plan (previously known as Bond Expenditure Plan)

The California Health and Safety code, as amended by AB 129, requires the California Environmental Protection Agency to develop a site-specific expenditure plan as the basis for an appropriation of California Hazardous Substance Cleanup Bond Act of 1984 funds.

The Agency is also required to update the report annually and report any significant adjustments to the Legislature on an ongoing basis. The plan identifies California hazardous waste sites targeted for cleanup by responsible parties, the California and the Federal Environmental Protection Agency over the next five years.

Status Codes:	BKLG	Backlog, Potential Annual Work Plan Site
	AWP	Active Annual Work Plan site
	COM	Certified, but still in Operation & Maintenence mode
	CERT	Certified after remediation
	DLST	Delisted from the AWP
	REFRC	Former AWP site referred to RCRA
	REFRW	Former AWP site referred to the Regional Water Quality Board

Site: SAN LEANDRO REGIONAL PLUME
Address: SAN LEANDRO (GROUNDWATER CONTAMINATION)
City: SAN LEANDRO
Status: AWP - Annual Workplan

CALS CALSITES

The Historical Abandoned Site Survey Program identified certain potential hazardous waste sites. The identification of these sites were generally not made via sampling and site characterization, they were made as a result of file searches and windshield surveys. Some of the sites may have had a site inspection with sampling.

The information has been compiled into this database by the California Environmental Protection Agency, Department of Toxic Substance Control (DTSC) in accordance with Section 25359.6 of the California Health and Safety Code.

This database was previously known as The Abandoned Sites Program Information System ASPIS.

Status Codes:	PEARL	Preliminary Endangerment Assessment Required,Low priority
	PEARM	Preliminary Endangerment Assessment Required,Medium priority
	PEARH	Preliminary Endangerment Assessment Required,High priority
SSR		Site Screening Required
	HRR	Hazard Ranking Required
	PRPR	Potential Responsible Party Search Required
	EPA	EPA is the lead agency
	RCRA	Mitigated under the RCRA permitting program
	RWQCB	Mitigated under the lead of the Regional Water Quality Boar
	CNTY	County lead
	OAL	Other Agency lead

Site: ELTRA CORPORATION - PRESTOLITE
Address: 98TH & BANCROFT AVE
City: OAKLAND
Map Loc: 24 - within 1/4 - 1/2 mile SW of the subject
Status: VCP - Voluntary Cleanup Program

CALS CALSITES - No Further Action

This section includes the sites on the Calsite list which have been flagged for no further action by the California Environmental Protection Agency, Department of Toxic Substance Control (DTSC) in accordance with Section 25359.6 of the California Health and Safety Code.

Status Codes:	NFA	No Further Action for DTSC
	RED	Closed Case marked for removal from list

This list has been researched within half of a mile radius of the subject site.

Site: LE DAYS EXPERT CLEANING
Address: 10016 MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 11 - within 1/4 - 1/2 mile S of the subject
Status: RED - Closed Case - Marked for removal from list

CORTESE State of California Office of Planning and Research

This database is a consolidation of information from various sources. It is maintained by the State Office of Planning and Research and lists potential and confirmed hazardous waste or substances sites.

Facilities that have been reported elsewhere in this report will not be included in the listing below.

Status Codes:	WRCBT	Tank leaks. Compiled by Water Resource Control Board
	DHS1	Abandoned hazardous waste site. Compiled by Toxic Substance Control Div. of DHS
	DHS2	Contaminated public water drinking wells serving less than 200 connections. Compiled by Env. Health Div. of DHS
	DHS3	Contaminated public water drinking wells serving more than 200 connections
	DHS6	Sites pusuant to section 25356 of the Health and Safety Code (see BEP)
	CWMB	Solid waste disposal sites with known migration of hazardous waste

No listings within 1 mile radius of the subject site.

LUST(S) Leaking Underground Storage Tanks - California State

The Leaking Underground Storage Tanks Information System is maintained by the State Water Resource Board pursuant to Section 25295 of the Health and Safety Code.

Status Codes:	0	No action
	1	Leak being confirmed
	3A	Prel site assessment workplan submitted
	3B	Prel site assessment underway
	5C	Pollution characterization
	5R	Remediation plan
	7	Remedial action underway
	8	Post remedial action monitoring
	9	Case closed

Site: BP MOBIL
Address: 2220 98TH AVE
City: OAKLAND
Map Loc: 19 - within 1/4 - 1/2 mile SW of the subject
Status: 5R - Remediation Plan submitted.

Site: ARCO
Address: 2740 98TH AVE
City: OAKLAND
Map Loc: 1 - within 1/4 mile N of the subject
Status: 1 - Leak being confirmed.

Site: BP
Address: 3101 98TH AVE
City: OAKLAND
Map Loc: 3 - within 1/4 mile NE of the subject
Status: 9 - Case Closed.

Site: UNOCAL
Address: 9780 BANCROFT AVE
City: OAKLAND
Map Loc: 23 - within 1/4 - 1/2 mile W of the subject

Status: 9 - Case Closed.

Site: 7 ELEVEN
Address: 10501 FOOTHILL BLVD
City: OAKLAND
Map Loc: 15 - within 1/4 - 1/2 mile SE of the subject
Status: 3B - Prelim Site Assessment underway.

Site: SHELL
Address: 9750 GOLF LINKS RD
City: OAKLAND
Map Loc: 5 - within 1/4 mile NE of the subject
Status: 9 - Case Closed.

Site: UNOCAL
Address: 96 MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 27 - within 3/4 - 1 mile SE of the subject
Status: 1 - Leak being confirmed.

Site: BP
Address: 100 MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 28 - within 3/4 - 1 mile SE of the subject
Status: 3B - Prelim Site Assessment underway.

Site: ARCO
Address: 10600 MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 21 - within 1/2 - 3/4 mile S of the subject
Status: 5C - Pollution characterization.

Site: YOUNG CLEANERS
Address: 10700 MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 26 - within 1/2 - 3/4 mile S of the subject
Status: 1 - Leak being confirmed.

SWIS Solid Waste Information System

As legislated under the Solid Waste Management and Resource Recovery Act of 1972, the California Waste Management Board maintains lists of certain facilities, i.e. Active solid waste disposal sites, Inactive or Closed solid waste disposal sites and Transfer facilities.

No listings within 1 mile radius of the subject site.

WIP Well Investigation Program

The Well Investigation Program (AB1803) identifies groundwater that is already contaminated and empowers the California Department of Health Services and local health officers to order ongoing monitoring programs. The focus of this program is to monitor and protect drinking water.

No listings within 1 mile radius of the subject site.

WQ Drinking Water Program

The California Health and Safety Code section 116275-116300 stipulates that it is the intent of the Legislature to improve laws governing drinking water quality to improve upon the minimum requirements of the federal Safe Drinking Water Act Amendments of 1986, to establish primary drinking water standards that are at least as stringent as those established under the federal Safe Drinking Water Act, and to establish a program under this chapter that is more protective of public health than the minimum federal requirements.

In order to provide for the orderly and efficient delivery of safe drinking water the State Department of Health Services collect information on the quality of public drinking water wells under the California Drinking Program.

Below, the latest and maximum analysis of contaminants are reported (only positive reading are included). MCL is the Maximum Contaminant Level or enforceable drinking water standard. RPHL is the Recommended Public Health Level. Additional information is available from BBL upon request.

No listings within 1 mile radius of the subject site.

REGIONAL SOURCES

NT Toxic Releases

The California Regional Water Quality Control Boards or local Department of Health Services keeps track of toxic releases to the environment. These lists are known as Unauthorized Releases, Spill, Leaks, Investigations and Cleanups (SLIC), Non-Tank Releases, Toxics List or similar, depending on the local agency.

No listings within 1 mile radius of the subject site.

TPC Toxic Pits

The Toxic Pits Clean-Up Act (Katz Bill)places strict limitations on the discharge of liquid hazardous wastes into surface impoundments, toxic ponds, pits and lagoons. Regional Water Quality Control Boards are required to inspect all surface impoundments annually. in addition, every facility was required to file a Hydrogeological Assessment Report. Recent legislation allows the Department of Health Services

No listings within 1 mile radius of the subject site.

SWAT(R) Solid Waste Assessment Test - Regional

This program, provided for under the Calderon legislation (Section 13273 of the Water Code), requires that disposal sites with more than 50,000 cubic yards of waste provide sufficient information to the regional water quality control board to determine whether or not the site has discharged hazardous substances which will impact the environment.

Site operators are required to file Solid Waste Assessment Test reports on a staggered basis. Operators of the 150 highest ranking (Rank 1) sites were required to submit Solid Waste Assessment Tests by July 1, 1987, Rank 2 in 1988 and so on.

Operators submit water quality tests to the Regional Water Quality Control Board, describing surface and groundwater quality and supply; and the geology within 1 mile of the site. Air quality tests are submitted to the local Air Quality Management District or Air Pollution Control District.

This program is currently not funded and thus not updated.

Status Codes: Facilities or sites are ranked within each region on a scale 1-15 according to priority.

No listings within 1 mile radius of the subject site.

OPERATING PERMITS

Various agencies issue operating permits or regulate the handling, movements, storage and disposal of hazardous materials and require mandatory reporting. The inclusion in this section does not imply that an environmental problem exists presently or has in the past.

The sources referenced below have been searched within half a mile radius,unless otherwise stated, of the subject site.

RCRA-G Resource Conservation and Recovery Information System - Generators

The Environmental Protection Agency regulates generators of hazardous material through the Resource Conservation and Recovery Act (RCRA). All hazardous waste generators are required to notify EPA of their existence by submitting the Federal Notification of Regulated Waste Activity Form (EPA Form 8700-12) or a state equivalent form. The notification form provides basic identification information and specific waste activities.

Status Codes: L - Generators who generate at least 1000 kg/mo of non-acutely hazardous waste (or 1 kg/mo of acutely hazardous waste).
S - Generators who generate 100 kg/mo but less than 1000 kg/mo of non-acutely hazardous w
T - Transporter.

Site: TOSCO NORTHWEST CO NO 11133
Address: 2220 98TH AVE
City: OAKLAND
Map Loc: 19 - within 1/4 - 1/2 mile SW of the subject
Status: Permit id#: CA0001190644

Site: TOSCO NORTHWEST CO NO 11133
Address: 2220 98TH AVE
City: OAKLAND
Map Loc: 19 - within 1/4 - 1/2 mile SW of the subject
Status: S - Small Generator
Permit id#: CAR000000158

Site: TOSCO NORTHWEST CO NO 11122
Address: 3101 98TH AVE
City: OAKLAND
Map Loc: 3 - within 1/4 mile NE of the subject
Status: Permit id#: CA0001190669

Site: TOSCO NORTHWEST CO NO 11122
Address: 3101 98TH AVE
City: OAKLAND
Map Loc: 3 - within 1/4 mile NE of the subject
Status: S - Small Generator
Permit id#: CAR000000398

Site: 7-ELEVEN STORE 2212-19403/CD
Address: 10501 FOOTHILL BLVD
City: OAKLAND
Map Loc: 15 - within 1/4 - 1/2 mile SE of the subject
Status: Permit id#: CAD981465719

Site: SHELL STATION #204-5508-2808
Address: 9750 GOLF LINKS RD, /KNOWLAND
City: OAKLAND
Map Loc: 5 - within 1/4 mile NE of the subject
Status: S - Small Generator
Permit id#: CAD981403108

Site: BILL & BILLS BODY SHOP
Address: 8914 MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 20 - within 1/4 - 1/2 mile NW of the subject
Status: S - Small Generator
Permit id#: CAD982478331

Site: NEALS CLEANERS
Address: 8917 MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 25 - within 1/2 - 3/4 mile NW of the subject

Status: Permit id#: CAD981642374

Site: CHEVRON USA INC SERV STA #9389
Address: 9001 MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 18 - within 1/4 - 1/2 mile NW of the subject
Status: Permit id#: CAT080031694

RCRA-D Resource Conservation and Recovery Information System - Treatment, Storage & Disposal

The Environmental Protection Agency regulates the treatment, storage and disposal of hazardous material through the Resource Conservation and Recovery Act (RCRA). All hazardous waste TSD facilities are required to notify EPA of their existence by submitting the Federal Notification of Regulated Waste Activity Form (EPA Form 8700-12) or a state equivalent form as well as part A (EPA form 8700-23) and Part B of their Hazardous Waste Permit Application.

Status Codes:	I	Incinerator
	T	Storage/Treatment facility other than Incinerator
	D	Land Disposal Facility

No listings within 1 mile radius of the subject site.

SARA SARA Title III,section 313 (TRIS)

Title III of the Superfund Amendments and Reauthorization Act,Section 313, also known as Emergency Planning and Community Right-to-Know Act of 1986 requires owners or operators of facilities with more than 10 employees and are listed under Standard Industrial Classification(SIC) Codes 20 through 39 to report the manufacturing, processing or use of more than a threshold of certain chemical or chemical categories listed under section 313. This data base is also known as Toxic Release Information System (TRIS).

Below summary information for the last five year period is reported grouping the releases into air, water, underground injection, land, public offsite treatment (potw) and transportation offsite.

No listings within half of a mile radius of the subject site.

NC Nuclear Regulatory Commission Licensees

The Nuclear Regulatory Commission, Office of Nuclear Material Safety and Safeguards has been mandated (10 CFR Ch 1.42) to protect the public health and safety, the common defense and security, and the environment by licensing, inspection, and environmental impact assessment for all nuclear facilities and activities, and for the import and export of special nuclear material.

No listings within half of a mile radius of the subject site.

PB PCB Waste Handlers Database

The U.S. Environmental Protection Agency tracks generators, transporters, commercial stores and/or brokers and disposers of PCB's in accordance with the Toxic Substance Control Act.

No listings within half of a mile radius of the subject site.

PCS Permit Compliance System

PCS is a database which contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS was developed by The U.S. Environmental Protection Agency to meet the information needs of the NPDES program under the Clean Water Act. PCS tracks permit, compliance, and enforcement states of NPDES facilities.

No listings within half of a mile radius of the subject site.

AFS AIRS Facility System

AFS contains emissions and compliance data on air pollution point sources tracked by the U.S. EPA and state and local environmental regulatory agencies. There are seven "criteria pollutants" for which data must be reported to EPA and stored in AIRS: PM10 (particulate matters less than 10 microns in size), carbon monoxide, sulfur dioxide, nitrogen dioxide, lead, reactive volatile organic compounds (VOC), and ozone.

AFS replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aeromatic Data (SAROAD).

No listings within half of a mile radius of the subject site.

PE Section Seven Tracking System (SSTS)

SSTS evolved from the FIFRA and TSCA Enforcement System (FATES). SSTS tracks the registration of all pesticide producing establishments and tracks annually the types and amounts of pesticides, active ingredients, and devices that are produced, sold or distributed each year.

No listings within half of a mile radius of the subject site.

FIFRA FIFRA/TSCA Tracking System/ National Compliance Database (FTTS/NCDB)

NCDB supports implementation of the Federal Insecticide, Funguside and Rodenticide Control Act (FIFRA) and the Toxic Substance Control Act (TSCA).

No listings within half of a mile radius of the subject site.

FI Federal Facilities Information System (FFIS)

Federal Facilities Informaton System (FFIS) contains a list of all Treatment Storage and Disposal Facilities (TSDs) owned and operated by federal agencies.

No listings within half of a mile radius of the subject site.

CI Chemicals in Commerce Information System (CICIS)

Chemicals in Commerce Information System contains an inventory of chemicals manufactured in commerce or imported for Toxic Substances Control Act regulated commercial purposes. CICIS allows EPA to maintain a comprehensive listing of over 70,000 chemical substances that are manufactured or imported and are regulated under TSCA.

No listings within half of a mile radius of the subject site.

FN FINDS EPA Facility Index System

The U.S. Environmental Protection Agency maintains an index system of all facilities which are regulated or have been assigned an identification number for other purposes.

Facilities that have been reported elsewhere in this report will not be included in the listing below.

No listings within half of a mile radius of the subject site.

HWIS Hazardous Waste Information System

The Department of Toxic Substance Control, California Environmental Protection Agency, maintains a a data base keeping track of the movement and disposal of hazardous waste. The data is used to support the Tanner legislation, AB 2948.

Status Codes: EPA Facility Permit Number

Site: ELTRA CORP.,PRESTOLITE BATTERY
Address: 98TH & BANCROFT AVE
City: OAKLAND
Map Loc: 24 - within 1/4 - 1/2 mile SW of the subject
Status: EPA ID#: CAD980637169

Site: BP OIL COMPANY
Address: 2220 98TH AVE
City: OAKLAND
Map Loc: 19 - within 1/4 - 1/2 mile SW of the subject
Status: EPA ID#: CAL000039089

Site: MOBILE OIL #10-MGV
Address: 2220 98TH AVE
City: OAKLAND
Map Loc: 19 - within 1/4 - 1/2 mile SW of the subject
Status: EPA ID#: CAC000015792

Site: FREEWAY ARCO GAS STATION & SER
Address: 2740 98TH AVE
City: OAKLAND
Map Loc: 1 - within 1/4 mile N of the subject
Status: EPA ID#: CAL000019843

Site: BP OIL COMPANY
Address: 3101 98TH AVE
City: OAKLAND
Map Loc: 3 - within 1/4 mile NE of the subject
Status: EPA ID#: CAL000035355

Site: KIMS MOBIL SERVICE
Address: 3101 98TH AVE
City: OAKLAND
Map Loc: 3 - within 1/4 mile NE of the subject
Status: EPA ID#: CAL000009281

Site: PETE'S BP AUTO SERVICE
Address: 3101 98TH AVE
City: OAKLAND
Map Loc: 3 - within 1/4 mile NE of the subject
Status: EPA ID#: CAL000082075

Site: 7-ELEVEN STORE 2212-19403/CD
Address: 10501 FOOTHILL BLVD
City: OAKLAND
Map Loc: 15 - within 1/4 - 1/2 mile SE of the subject
Status: EPA ID#: CAD981465719

Site: SHELL STATION #204-5508-2808
Address: 9750 GOLF LINKS RD, KNOWLAND
City: OAKLAND
Map Loc: 5 - within 1/4 mile NE of the subject
Status: EPA ID#: CAD981403108

Site: OAKLAND ZOO THE
Address: 9777 GOLF LINKS RD
City: OAKLAND
Map Loc: 7 - within 1/4 mile E of the subject
Status: EPA ID#: CAL000046093

Site: BILL & BILLS BODY SHOP
Address: 8914 MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 20 - within 1/4 - 1/2 mile NW of the subject
Status: EPA ID#: CAD982478331

Site: NEALS CLEANERS
Address: 8917 MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 25 - within 1/2 - 3/4 mile NW of the subject
Status: EPA ID#: CAD981642374

Site: CHEVRON USA INC SERVICE STATIO
Address: 9001 MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 16 - within 1/4 - 1/2 mile NW of the subject
Status: EPA ID#: CAT080031594

Site: U SAFE CARDEN CENTER
Address: 9317 MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 14 - within 1/4 - 1/2 mile W of the subject
Status: EPA ID#: CAP999001644

Site: U-SAVE POWER EQUIPTMENT
Address: 9370 MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 12 - within 1/4 - 1/2 mile W of the subject
Status: EPA ID#: CAL000010023

Site: U-SAVE POWER EQUIPMENT
Address: 9370 MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 12 - within 1/4 - 1/2 mile W of the subject
Status: EPA ID#: CAL000065635

Site: U-SAVE POWER EQUIP
Address: 9370 MAC ARTHUR BLVD, STE 9
City: OAKLAND
Map Loc: 12 - within 1/4 - 1/2 mile W of the subject
Status: EPA ID#: CAL000018907

Site: L & H AUTO RPR
Address: 9868 MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 10 - within 1/4 mile SW of the subject
Status: EPA ID#: CAL000083042

Site: SANG UP KIM
Address: 9868 MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 10 - within 1/4 mile SW of the subject
Status: EPA ID#: CAC000807568

Site: TIRES & BRAKES FOR LESS
Address: 10201 MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 13 - within 1/4 - 1/2 mile S of the subject
Status: EPA ID#: CAL000080042

Site: FRANKS AUTO REPAIR
Address: 9765 MOUNTAIN BLVD
City: OAKLAND
Map Loc: 6 - within 1/4 mile NE of the subject
Status: EPA ID#: CAL000009099

Site: ROMAN CATH WELFARE CORP
Address: 9500 STEARNS AVE
City: OAKLAND
Map Loc: 4 - within 1/4 mile NW of the subject
Status: EPA ID#: CAC000578528

Site: CANDYCE SCOTT RESIDENCE
Address: 2706 TRUMAN AVE
City: OAKLAND
Map Loc: 9 - within 1/4 mile S of the subject
Status: EPA ID#: CAX000123539

UST Permitted Underground Storage Tanks - State Water Quality Control Board

The Corteses Bill (AB2013), enacted in 1983, required registration of all underground storage tanks (UST) with the State Water Quality Control Board by July 1, 1984. About 176,000 tanks and surface impounds were registered between 1984 and 1987. An amendment (AB 1413) was passed in 1987, effectively removing the State Board from the registration process starting January 1, 1988. The data reflects the information collected by the state between 1984 and 1987 as well as recent time and includes all tanks and surface impounds in use or closed after 1974.

Home and farm heating fuel tanks with capacities of 1,100 gallons or less and "structures such as sumps, separators, storm drains, catch basins, oil field gathering lines, refinery pipelines, lagoons, evaporation ponds, well cellars, separation sumps, lined and unlined pits, sumps and lagoons" except those defined as UST under HSWA or may be regulated to protect water quality under the Porter-Cologne Water Quality Control Act are excluded.

Site: MOBIL SERVICE STATION
Address: 2220 98TH AVE
City: OAKLAND
Map Loc: 19 - within 1/4 - 1/2 mile SW of the subject
Status: 00000039560 (1987&95)

Site: FREEWAY ARCO
Address: 2740 98TH AVE
City: OAKLAND
Map Loc: 1 - within 1/4 mile N of the subject
Status: 00000023464 (1987&95)

Site: YOUNG H. KIM DBA KIM'S MOBIL
Address: 3101 98TH AVE
City: OAKLAND
Map Loc: 3 - within 1/4 mile NE of the subject
Status: 00000039574 (1987&93)

Site: YOUNG H. KIM DBA KIM'S MOBIL
Address: 3101 98TH AVE
City: OAKLAND
Map Loc: 3 - within 1/4 mile NE of the subject
Status: 00000051672 (1987&95)

Site: JOE HOLSWORTH-KNOWLAND PARK SH
Address: 9750 GOLF LINKS RD
City: OAKLAND
Map Loc: 5 - within 1/4 mile NE of the subject
Status: 00000007019 (1987&95)

Site: SAL'S CAR WASH
Address: 8930 MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 22 - within 1/4 - 1/2 mile NW of the subject
Status: 00000033164 (1987)

Site: NAM'S TRANSMISSION
Address: 9868 MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 10 - within 1/4 mile SW of the subject
Status: 00000064286 (1987&93)

Site: L & H AUTO
Address: 9868 MAC ARTHUR BLVD
City: OAKLAND
Map Loc: 10 - within 1/4 mile SW of the subject
Status: CAC000807 (191995I)

ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants
131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111
Tel. (408) 297-1500 Fax: (408) 292-2116

January 6, 1999

To: Don Hwang —
Call Mr. Sartipi —
as soon as
possible —
Cathie

Mrs. Maliheh Faraji
2000 Stratton Avenue
Walnut Creek, California 94598

REGARDING: NEAREST SURFACE WATER

Dear Mrs. Faraji:

This letter is in response to your request in regarding the location of nearest surface water to the subject site located at 2470 98th Avenue, in Oakland, California.

Based on our investigation and attached BBL vicinity map, the nearest surface water to the subject site is Seneca Reservoir approximately ¼ of mile from the site. Furthermore, there are no drinking water wells within 2 miles of the subject site.

Should you have any questions or require additional information, please feel free to contact our office at (408) 297-1500.

Sincerely,

ENVIRO SOIL TECH CONSULTANTS

FRANK HAMEDI-FARD
GENERAL MANAGER

LAWRENCE KOO, P. E.
C. E. #34928

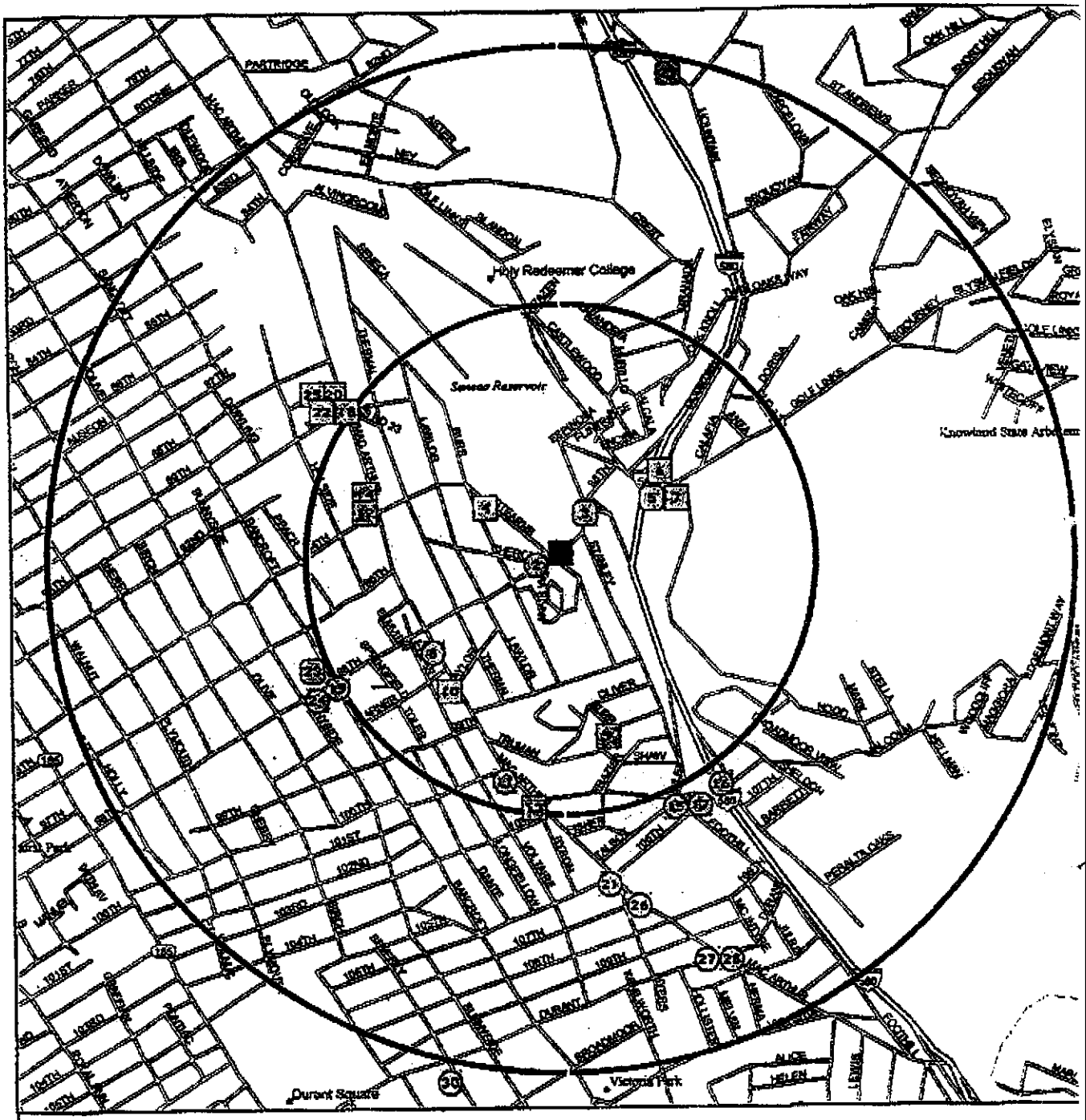
GREAT AMERICAN REAL ESTATE TEAM

MAJID SARTIPI

BROKER

370 DIABLO ROAD, SUITE 103
DANVILLE, CALIFORNIA 94526

DIRECT LINE - (925) 820-6030 EXT. 122
BUSINESS - (925) 820-8041
RESIDENCE - (925) 820-5734
FAX - (925) 820-4679



ENVIRONMENTAL CONCERNS - HIGH PRIORITY

ENVIRONMENTAL CONCERNS

ENVIRONMENTAL CONCERNS - WITH A 'NO FURTHER ACTION' STATUS'

OPERATING PERMITS ONLY

3.2 inches to 1 mile

APPROXIMATE LOCATION OF IDENTIFIED SITES IN THE VICINITY OF THE SUBJECT SITE
AT 2740 98TH AVE.OAKLAND

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9335 (FAX)

June 24, 1999

Molly Ghofrani
2000 Stratton Rd.
Walnut Creek, CA 94598

NOTICE OF VIOLATION

Re: Freeway Station & Service, 2740-98th Ave., Oakland, CA 94605

Stid 1130

Dear Ms. Ghofrani:

On March 25, 1999, and May 21, 1999, you were sent letters requesting the following information:

1) A review of "Soil Sampling Beneath Removed UST at the Property Located at 2740-98th Ave., Oakland, CA, Dec. 18, 1998, File No. 7-93-556-SI" by Enviro Soil Tech Consultants found that the samples were not analyzed for chlorinated hydrocarbons (Cl HC), polychlorinated biphenyls (PCB), pentachlorophenol (PCP), polynuclear aromatics (PNA), or creosote. Sampling for these constituents is required.

2) Also, the above report did not include disposal records for the stockpiled soil. Disposal records for the stockpiled soil are required.

3) The report was prepared for Molly Ghofrani, 2000 Stratton Rd., Walnut Creek, CA 94598. Our records have Kiyoumars Ghofrani as the responsible party. If this has changed, then Molly Ghofrani's telephone numbers are needed.

4) Submit a copy of "Dorothy Radbruch's 1969 U.S. Geological Survey map GQ-769, Arial and Engineering Geology of the Oakland East Quadrangle, California, Scale 1:24,000". This map is needed to show the "...active spring at the base of the hill across 98th Ave." mentioned on page 7 of the report, "Additional Subsurface Investigation for the Property... 2740-98th Ave., Oakland, CA, Oct. 3, 1996".

5) Additionally, you were sent a letter entitled "LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS" and asked to fill out and return the form, "SAMPLE LETTER (2): LIST OF LANDOWNERS FORM".

This letter constitutes a formal request for technical reports pursuant to California Water Code Section 13267(b) and Health and Safety Code Section 25299.37 and 25299.7. Failure to comply with the request will result in referral of this case to the Alameda County District Attorney's Office. You are further advised that failure to comply may subject you to penalties of up to $5000 per day.

Thus far, the information requested has not been received. Please submit the information required within 30 days.

If you have any questions, please call me at (510) 567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist

C: Enviro Soil Tech Consultants, 131 Tully Rd., San Jose, CA 95111
file

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9335 (FAX)

May 21, 1999

Molly Ghofrani
2000 Stratton Rd.
Walnut Creek, CA 94598

Re: Freeway Station & Service, 2740-98th Ave., Oakland, CA 94605
Stid 1130

Dear Ms. Ghofrani:

On March 25, 1999, you were sent a letter requesting additional information.

1) A review of "Soil Sampling Beneath Removed UST at the Property Located at 2740-98th Ave., Oakland, CA, Dec. 18, 1998, File No. 7-93-556-SI" by Enviro Soil Tech Consultants found that the samples were not analyzed for chlorinated hydrocarbons (Cl HC), polychlorinated biphenyls (PCB), pentachlorophenol (PCP), polynuclear aromatics (PNA), or creosote. Sampling for these constituents is required.

2) Also, the above report did not include disposal records for the stockpiled soil. Disposal records for the stockpiled soil is required.

3) The report was prepared for Molly Ghofrani, 2000 Stratton Rd., Walnut Creek, CA 94598. If this is a change of responsible party from Kiyoumars Ghofrani, the telephone numbers are requested.

4) Also, "Dorothy Radbruch's 1969 U.S. Geological Survey map GQ-769, Arial and Engineering Geology of the Oakland East Quadrangle, California, Scale 1:24,000", was to be submitted to show the "...active spring at the base of the hill across 98th Ave." mentioned on page 7 of the report, "Additional Subsurface Investigation for the Property... 2740-98th Ave., Oakland, CA, Oct. 3, 1996".

Please submit the information required within 30 days. If you have any questions, please call me at (510) 567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist

C: Enviro Soil Tech Consultants, 131 Tully Rd., San Jose, CA 95111

file

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

March 25, 1999

Molly Ghofrani
2000 Stratton Rd.
Walnut Creek, CA 94598

Re: Freeway Station & Service, 2740-98th Ave., Oakland, CA 94605
Stid 1130

Dear Ms. Ghofrani:

"Soil Sampling Beneath Removed UST at the Property Located at 2740-98th Ave., Oakland, CA, Dec. 18, 1998, File No. 7-93-556-SI" by Enviro Soil Tech Consultants was reviewed. The following information was missing and is required:

1) The samples were not analyzed for chlorinated hydrocarbons (Cl HC), polychlorinated biphenyls (PCB), pentachlorophenol (PCP), polynuclear aromatics (PNA), or creosote.
2) Disposal records for the stockpiled soil.
3) The above report was prepared for Molly Ghofrani , 2000 Stratton Rd., Walnut Creek, CA 94598. If this is a change of responsible party from Kiyoumars Ghofrani, please also provide telephone numbers.
4) Also, "Dorothy Radbruch's 1969 U.S. Geological Survey map GQ-769, Arial and Engineering Geology of the Oakland East Quadrangle, California, Scale 1:24,000", was to be submitted to show the "...active spring at the base of the hill across 98th Ave." mentioned on page 7 of the report, "Additional Subsurface Investigation for the Property... 2740-98th Ave., Oakland, CA, Oct. 3, 1996".

If you have any questions, please call me at (510) 567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist

cc: Enviro Soil Tech Consultants, 131 Tully Rd., San Jose, CA 95111

file

Don,

I reviewed the risk assessment

Information to be used in the closure

"A Tier 1 and Tier 2 risk evaluation of the site using ASTM's Risk Based Corrective Action methodology (RBCA) was conducted on the site. The risk assessment assumed the site to be commercial and so the target population used in the RA were office workers and construction workers. The main chemical driving the risk were BTEX compounds. The pathways evaluted were 'soil and groundwater to indoor and outdoor air (office workers)', and 'surface soil for ingestion/dermal contact/inhalation (mainly applicable for construction workers)' The only pathway where site concentrations exceeded the tier 1 levels was the soil to indoor pathway. However, the site specific Tier 2 calculation indicated no significant risk for the target populations"

Don, after I reviewed the RA,. I asked to give me rationale for few of the site specific numbers (response in letter dated November 20, 1998) they had used and I also asked them to just average the concentrations of benzene around the building area (because only this reallly counts for the indoor air pathway for the current scenario) and since this average was less than the site-wide average it is not a proablem (the letter dated November 18, 1998)

Madhulla Logan

ENVIRONMENTAL ENGINEERING, INC
2680 Bishop Drive, Suite 203, San Ramon, CA 94583
TEL (925) 244-6600 FAX (925) 244-6601

November 18, 1998

Project: 2280

Ms. Modula Logan
Hazardous Materials Specialist
Alameda County
Department of Environmental Health
1131 Harbor Bay Parkway
Second Floor
Alameda, CA 94502

Subject: Our Response to Your Comments in Connection with Risk Based Corrective Action Study Conducted by SOMA at 2470 98th Avenue, Oakland, California

Dear Ms. Logan:

Thank you very much for your in depth review of our report entitled " Human Health Risk Assessment for the Property Located at 2470 98th Avenue, Oakland, California" dated August 11, 1998.

This letter report is our response to your verbal comments during our telephone conversation dated November 16, 1998. Your comments were as follows:

1. Using a foundation crack factor of 0.0005, which seemed to be low/unrealistic and;
2. Utilizing soil BTEX concentration from those borings, which are closest to the snack/mechanic shop for more realistic evaluation of indoor air quality.

We concur with your first comment and believe that foundation crack factor of 0.0005 is not a realistic value to be used. However, 0.0005 is a typographical error, the actual foundation crack factor used in the model is **0.005**. Please refer to the fist table of output in Appendix II.

In connection with your second comment, we re-calculated the average concentration of BTEX using the soil data from soil borings B-1, B-3, STMW-4 and STMW-5. The average concentrations of BTEX using the most representative borings are as follows:

Chemical Name	Representative Average Concentration in mg/kg	Site-wide 95% UCL Concentration in mg/kg
Benzene	0.155	0.283
Toluene	0.44	0.61
Ethylbenzene	0.69	1.00
Toluene	3.65	5.39

borings around the building

building

whole site

Ms. Logan
Page 2 of 2
11/18/98

As it become obvious, the above averages using the most representative soil chemical concentrations from nearby soil borings are well below site-wide 95% upper confidence level (95% UCL) concentrations. Therefore, the model results are more conservative and protective of human health.

This concludes our response to your comments. Please do not hesitate to call me at (925) 244-6600 if you have any question.

Sincerely;

Mansour Sepehr, Ph.D. P.E.
Principal

ENVIRONMENTAL ENGINEERING, INC
2680 Bishop Drive, Suite 203, San Ramon, CA 94583
TEL (925) 244-6600 • FAX (925) 244-6601

98 NOV 31 PM 2:41

November 20, 1998

Project 2280

Ms. Modula Logan
Hazardous Materials Specialist
Alameda County
Department of Environmental Health
1131 Harbor Bay Parkway
Second Floor
Alameda, CA 94502

Subject: Our Response to Your Comments in Connection with Risk Based Corrective Action Study Conducted by SOMA at 2470 98th Avenue, Oakland, California

Dear Ms. Logan:

Based on our telephone conversation, this letter confirms that total porosity and moisture content used in calculation of Tier 2 RBCA study at the subject property is based on the field data. As lithologic logs of the groundwater monitoring wells indicate the near surface soils are mainly comprised of fat clay with high moisture content (moist). Therefore, total porosity of 0.4 with volumetric water content of 0.25 has been assigned to the vadose zone, based on the information depicted on the lithologic logs.

This concludes our response to your comments. Please do not hesitate to call me at (925) 244-6600 if you have any question.

Sincerely;

Mansour Sepehr, Ph.D. P.E.
Principal

ENVIRONMENTAL ENGINEERING, INC
2680 Bishop Drive, Suite 203, San Ramon, CA 94583
TEL (925) 244-6600 • FAX (925) 244-6601

ENVIRONMENTAL PROTECTION
98 NOV 20 PM 3:15

November 18, 1998

Project: 2280

Ms. Modula Logan
Hazardous Materials Specialist
Alameda County
Department of Environmental Health
1131 Harbor Bay Parkway
Second Floor
Alameda, CA 94502

Subject: Our Response to Your Comments in Connection with Risk Based Corrective Action Study Conducted by SOMA at 2470 98th Avenue, Oakland, California

Dear Ms. Logan:

Thank you very much for your in depth review of our report entitled " Human Health Risk Assessment for the Property Located at 2470 98th Avenue, Oakland, California" dated August 11, 1998.

This letter report is our response to your verbal comments during our telephone conversation dated November 16, 1998. Your comments were as follows:

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In connection with your second comment, we re-calculated the average concentration of BTEX using the soil data from soil borings B-1, B-3, STMW-4 and STMW-5. The average concentrations of BTEX using the most representative borings are as follows:

Chemical Name	Representative Average Concentration in mg/kg	Site-wide 95% UCL Concentration in mg/kg
Benzene	0.155	0.283
Toluene	0.44	0.61
Ethylbenzene	0.69	1.00
Toluene	3.65	5.39

As it become obvious, the above averages using the most representative soil chemical concentrations from nearby soil borings are well below site-wide 95% upper confidence level (95% UCL) concentrations. Therefore, the model results are more conservative and protective of human health.

This concludes our response to your comments. Please do not hesitate to call me at (925) 244-6600 if you have any question.

Sincerely;

Mansour Sepehr, Ph.D. P.E.
Principal

LOP - RECORD CHANGE REQUEST FORM

printed: 10/07/98

Mark Out What Needs Changing and Hand to LOP Data Entry
(Name/Address changes go to Annual Programs Data Entry)

Insp: DH

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
StID : 1130 LOC: -0-
SITE NAME: Freeway ARCO Station DATE REPORTED : 06/25/93
ADDRESS : 2740 -0 98th Ave DATE CONFIRMED: 06/25/93
CITY/ZIP : Oakland 94605 MULTIPLE RPs : N

SITE STATUS

CASE TYPE: O CONTRACT STATUS: 4 PRIOR CODE:3A3 EMERGENCY RESP: -0-
RP SEARCH: S DATE COMPLETED: 09/01/93
PRELIMINARY ASMNT: U DATE UNDERWAY: 06/18/93 DATE COMPLETED: -0-
REM INVESTIGATION: - DATE UNDERWAY: -0- DATE COMPLETED: -0-
REMEDIAL ACTION: C DATE UNDERWAY: 07/01/93 DATE COMPLETED: 07/02/93
POST REMED ACT MON:- DATE UNDERWAY: -0- DATE COMPLETED: -0-

ENFORCEMENT ACTION TYPE: 6 DATE ENFORCEMENT ACTION TAKEN: 10/21/92
LUFT FIELD MANUAL CONSID: 3HSCAWG
CASE CLOSED: - DATE CASE CLOSED: -0-
DATE EXCAVATION STARTED : -0- REMEDIAL ACTIONS TAKEN: ED

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Kiyoumars Ghofrani
COMPANY NAME: Freeway Station & Service
ADDRESS: 2740 98th Avenue
CITY/STATE: Oakland, C A 94605

INSPECTOR VERIFICATION:

NAME _____ SIGNATURE _____ DATE _____

DATA ENTRY INPUT:

Name/Address Changes Only

ANNPGMS _____ LOP ____ DATE _____

Case Progress Changes

LOP _____ DATE _____

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

December 2, 1997

Kiyoumars Ghofrani
Freeway Station & Service
2740 98th Av.
Oakland CA 94605

RE: Risk Evaluation for 2740 98th Av., Oakland 94605 (Our site # 1130)

Dear Mr. Ghofrani:

Recently I assumed case review responsibility for your site. I have read the file and noted that your consultant believes the case may be ready for closure. I agree that the threat of groundwater contamination seems to be diminishing. Thus, I will not require further groundwater monitoring. The wells must be properly destroyed prior to closure, should you have no further use for them. Well destruction must be performed under a permit from Alameda County Public Works Department. You may contact Andreas Godfrey of Public Works for more information at (510)670-5575.

However, I am concerned about the potential human health threat from benzene contamination in the soil, especially near the snack shop/cashier area. It is not known whether the benzene concentrations found in soil in that area are localized or whether they extend beneath the building. The concentrations that have been detected exceed acceptable human health based screening levels (Tier 1) for case closure at this time.

An appropriate next step toward case closure is to have a site specific (Tier 2) risk evaluation performed by a qualified consultant. The risk assessor needs to follow the procedures outlined in ***ASTM E 1735 - 95 Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites***. The risk evaluation would be used to determine whether the benzene levels remaining in place pose a significant human health risk given the site conditions, whether additional investigation or remediation is needed, and whether any use restrictions would be appropriate for the property.

Also pertinent to case closure is the exact location of a nearby stream and natural spring that have been described in past reports. Please provide a site diagram showing these features and an accurate scale indicating distances to the stream and spring.

You may contact me at (510)567-6770 with any questions.

Sincerely,

Pamela J. Evans
Senior Hazardous Materials Specialist

c: Dick Pantages, Alameda County Environmental Health Services
Frank Hamedi-Fard, Soil Tech Engineering, 1761 Junction Av., San Jose CA 95112

State Water Resources Control Board

Division of Clean Water Programs, Tanks Unit *Sacramento, CA 95814*

Fax Cover Sheet

DATE: November 20, 1997 **TIME:** 9:12 AM

TO: Juliet Shin, Alameda County

PHONE: **FAX: 510-337-9335**

Steve A. Mizera

FROM: Steve A. Mizera **PHONE:** 916.227.4416 **FAX:** 916.227.4349
Information Systems Analyst

RE: LUSTIS INQUIRY

Number of pages including cover sheet: 2

Per your request: here is information on the Arco site at 2740 98th Avenue in Oakland.

11/20/97
Spoke to Steve Mizera, 1-916-227-4416,
& he confirmed that a UCR form had been submitted.
-Juliet Shin

LEAKING UNDERGROUND STORAGE TANK INFORMATION SYSTEM DATABASE
This LUSTIS Report was produced on Thursday, November 20, 1997
Case Number: 01-0096
Name: ARCO
Address: 2740 98TH AVE
OAKLAND, CA 94605
Site Phone: Not in database
Cross Street: STANLEY AVE
County: ALAMEDA

AGENCY HAVING JURISDICTION----------
Please call the appropriate Lead Agency (person and phone number below) for specific or additional information.
Lead Agency: Local Agency lead.
Local Agency: 01000 COUNTY OF ALAMEDA
Call ED HOWELL, CHIEF at (510)271-4320 for more information.
Regional Board: 02 - San Francisco Bay
Call: Steve Morse 510-286-0304 for more information.
---------- SIGNIFICANT DATES ----------
Date Discovered: 06/18/93 Date Reported: 12/16/93
Date Entered Database: 06/06/89 Date Leak Was Stopped: 06/18/93
Date Last Reviewed: 01/11/96 If Closed, Date Closed: / /
STATUS AND CASETYPE ----------
Status Code: 1 - LEAK BEING CONFIRMED
CASE TYPE: O Other Groundwater Cases.
Substance: WASTE OIL Substance quantity:
LEAK HISTORY ----------
How Leak was Discovered: Other Means
Source of Leak: Tank
Cause of Leak:
Howstopped:
END OF REPORT Time: (Pacific/Daylight Savings) 09:08:07

Steve A. Mizera, Information Systems Analyst
State Water Resources Control Board - DCWP Underground Storage Tanks
E-MAIL mizera@ix.netcom.com PHONE 916-227-4416 or FAX 916-227-4349

========== Our WEB PAGE is now Active ==========
Please visit the SWRCB's Division of Clean Water Program Web Pages:
http://www.swrcb.ca.gov/~cwphome/ust/usthmpg.htm
You can find out Who we are and What we do!
You can View or Print UST Program contacts, Local UST Agencies, UST Regulations, UST Law, California's December 22, 1998 Upgrade Requirements and more.

==========

CalEPA offers a 3-disk database of relative information for all leaking underground storage tanks in California: Call Becky Mora at 916.445.6532 or write Hazardous Material Data Management Program 555 Capitol Mall S-235, Sacramento, CA 95814

LOP - RECORD CHANGE REQUEST FORM

printed: 08/08/97

Mark Out What Needs Changing and Hand to LOP Data Entry
(Name/Address changes go to Annual Programs Data Entry)

Insp: RW

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
StID : 1130 LOC:
SITE NAME: Freeway ARCO Station DATE REPORTED : 06/25/93
ADDRESS : 2740 98th Ave DATE CONFIRMED: 06/25/93
CITY/ZIP : Oakland 94605 MULTIPLE RPs : N

SITE STATUS

CASE TYPE: O CONTRACT STATUS: 4 PRIOR CODE:3A3 EMERGENCY RESP:
RP SEARCH: S DATE COMPLETED: 09/01/93
PRELIMINARY ASMNT: U DATE UNDERWAY: 06/18/93 DATE COMPLETED:
REM INVESTIGATION: DATE UNDERWAY: DATE COMPLETED:
REMEDIAL ACTION: C DATE UNDERWAY: 07/01/93 DATE COMPLETED: 07/02/93
POST REMED ACT MON: DATE UNDERWAY: DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 6 DATE ENFORCEMENT ACTION TAKEN: 10/21/92
LUFT FIELD MANUAL CONSID: 3HSCAWG
CASE CLOSED: DATE CASE CLOSED:
DATE EXCAVATION STARTED : REMEDIAL ACTIONS TAKEN: ED

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Kiyoumars Ghofrani
COMPANY NAME: Freeway Station & Service
ADDRESS: 2740 98th Avenue
CITY/STATE: Oakland, C A 94605

INSPECTOR VERIFICATION:

NAME _____ SIGNATURE _____ DATE _____

DATA ENTRY INPUT:

Name/Address Changes Only

ANNPGMS _____ LOP _____ DATE _____

Case Progress Changes

LOP _____ DATE _____

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION
DEPOSIT / REFUND ACCOUNT SHEET printed06/10/97

SITE INFORMATION

Arco (Freeway Station)
2740 98th Ave
Oakland 94605
Site Contact: Kiyoumars Ghofrani
Site Phone : 562-4505

StID: 1130 Site#: 1279
PROJECT#: 1279A
PROJECT TYPE:*** MOD ***
INSP: clerical
ACCT. SHEET PG #: ____

PROPERTY OWNER INFORMATION

E & G Construction
6433 Overlin Way
San Jose Ca 95123
Owner Contact: Mark David East
Owner Phone : 408-224-6498

PAYOR INFORMATION

E & G Contruction Inc
6433 Overlin Way
San Jose CA 95123 # 482
Payor Contact: Mark David East
Payor Phone : 408-224-6498

Date	Action Taken	Insp Init	Hours Spent/ Depstd	Hour Balnce	Money Spent/ Depositd	Money Balance
	Rcpt# 668879 current balance					
	Balance from Prev.Page		.....		.....	300.-
4/9/93	UGT mod plan review (daily said 1.0) see dailys		0.5	75/hr	37.50	262.50
4/23/93	" " " "		0.5	75/hr	37.50	225.-
5/6/93	All of these entries	RO	1.0	75/hr	75.-	150.-
7/7/93	are already in dailys		0.5	75/hr	37.50	112.50
7/15/93			0.5	75/hr	37.50	75.-
7/30/93		RO	1.5	75/hr	112.50	-37.50
9/5/94		RO	0.5	75/hr	37.50	-75.-
6/30/94		RO	1.0	75/hr	75.-	-150.-

UPON COMPLETION OF PROJECT

PROJ COMPLETED BY : Paul on. Hive
ATTACH: __ State Forms A,B & C __ Billing Adjustment*

DATE OF COMPLETION : 6/10/97
DATE SENT TO BILLING: 6/10/97

TOTAL COST OF PROJECT: 1950.-
REFUND AMOUNT: Ø
Rev. 7/96

* Billing adjustment forms needed when site is in our UST program.

REPORT: WrkShtC (Continued balance

Listing of HAZMAT - FULL SITE HISTORY since 1987 for StID # 1130
as of 06/10/97 .... all Activity Codes

SITE NAME & ADDRESS:
Freeway Service Station *Arco* -- 2740 98th Ave , Oakland CA 94605

InspDat	Insp	Act	InspT	StID	Proj#	COMMENTS	DailBDat
Archived Dailies:							
InspDat	Insp	Activi	Categ	InspT	StID		
04/27/89	AL	S	26	4.	1130		
01/25/93	RO ✓	45	1.	1130	1279A	UGT modification plan review	
02/03/93	RO ✓	45	1.	1130	1279A	UGT modification plan review	
02/23/93	RO	11	1.	1130		Generator inspection w/BO	
02/23/93	RO	38	1.	1130		UGT permit inspection training w/BO	
02/23/93	RO	51	0.5	1130		HMMP inspection w/BO	
02/23/93	BO	139	3.	1130		training Ron Owcarz on USTs inspection done	
03/10/93	RO ✓	47	0.5	1130	1279A	UGT mod. plan review conference w/Mark East	
04/02/93	RO ✓	45	0.5	1130	1279A	UGT mod. plan review	
04/02/93	RO	55	0.5	1130		HMMP review	
04/09/93	RO ✓	41	1.	1130	1279A	UGT mod. plan review 0.5	
04/23/93	RO	45	1.	1130	1279A	UGT mod. plan review 0.5	
05/06/93	RO ✓	45	1.	1130	1279A	UGT mod. plan review	
05/06/93	RO	47	1.	1130	1279A	UGT mod. plan approval meeting w/owner	
05/28/93	RO	55	1.	1130		HMMP review	
06/17/93	RO ✓	41	0.5	1130	1279A	UGT mod. inspection	
06/18/93	RO ✓	41	2.	1130	1279A	UGT mod. soil sampling inspection	
06/29/93	BO ✓	41	1.	1130	1279A	replace R Owcarz on site(vacation)	
07/07/93	RO	41	1.5	1130	1279A	UGT secondary pipe test 0.5	
07/09/93	RO ✓	41	1.	1130	1279A	UGT mod. primary pipe test	
07/13/93	RO ✓	41	1.	1130	1279A	UGT mod. sump test	
07/14/93	RO ✓	41	1.	1130	1279A	UGT mod. sump test	
07/14/93	LS	77	0.5	1130	1279A		
07/15/93	RO	47	1.	1130	1279A	UGT mod. meeting w/AL & LS 0.5	
07/15/93	LS	77	1.75	1130	1279A		
07/20/93	RO ✓	45	1.	1130	1279A	Letter to Kiyoumars Ghofrani	
07/30/93	RO	41	1.	1130	1279A	UGT mod. inspection (not ready for final)	
07/30/93	RO	41	1.5	1130	1279A	UGT final inspection	
08/04/93	RO ✓	40	1.	1130	1279A	UGT file review-transfer to LOP	
08/05/93	ML	35	0.5	1130		phone conersation, file review	
08/30/93	ML	35	0.5	1130		monitoring information review, and phone conversation	
09/15/93	ML	35	0.5	1130		phone conversation,more information needed for application	
01/05/94	RO	120	2.	1130		Clean up debris and oil spillage on ground in parking areas. Recover contaminated soil stock pile as needed, clean out storm drains as needed - Oily film noted draining to Stanley Street from storm drain lateral. Remove any unnecessary vehicles,	

						auto parts and articles from premises.
04/05/94	RO	45	0.5	1130	1279A	UGT repair file review
06/30/94	RO	45	1.	1130	1279A	UGT file review
10/06/94	JMS	212	0.2	1130		Spoke to person at site and Cheryl Gordon, TRust Fund, re status of site
10/27/94	JMS	215	1.	1130		Wrote 90-day letter to site
11/21/94	JMS	215	0.5	1130		Read over November 14, 1994 letter from Mr. Chofrani, spoke to him on phone and logged conversation
11/22/94	JMS	215	0.1	1130		Faxed copy of 90-day letter to Cheryl Gordon
11/28/94	JMS	212	0.1	1130		Spoke to Mr. Hamedi re site requirements
12/13/94	RO	45	1.	1130	1279A	UGT file review
12/16/94	RO	136	1.	1130		UGT NOV letter to Kiyoumars Ghofrani
12/21/94	RO	136	1.	1130		Revised UGT NOV letter to Kiyoumars Gofrani
12/27/94	DH	35	0.5	1130		rv 12/23/94 letter
12/29/94	JMS	215	1.6	1130		Reviewed w.p., took notes, left message for Frank Hamedi. Spoke to Mr. Ghofrani

Current Dailies:

InspDat	Insp	Act	InspT	StID	DRPro	Comment	DailBDat
01/05/95	JMS	212	0.1	1130		LEft Mr. Hamedi a detailed message	
01/09/95	JMS	212	0.2	1130		Spoke to Frank Hamedi re work plan	
01/10/95	JMS	215	1.	1130		Reviewed revised figure and wrote letter to site	
01/17/95	JMS	215	0.2	1130		Faxed compliance doc. to state twice	
02/01/95	JMS	212	0.1	1130		Spoke to Diana, Soil Tech, and logged in files	
02/22/95	DH	35	0.2	1130		1/17/95 submittal:lining	
02/22/95	DH	137	0.2	1130		1/7/95	
03/07/95	DH	35	0.1	1130		file	
01/29/96	DH	35	0.3	1130			
01/30/96	DH	31	5.	1130			
02/13/96	DH	35	0.1	1130			
03/06/96	DH	35	1.	1130		gaging 2645	
03/07/96	DH	33	3.	1130			
04/12/96	DH	35	0.4	1130			

LEGEND FOR 'OLD' DAILY ENTRIES

Category: (Program)		Activity:
O - Office	I - regular Inspection	1 - Generators
L - Legal	F - Follow up inspection	2 - UG Tanks
P - Program	S - Spill / release	3 - Business Plans
T - Training	Q - reQuest / complaint	4 - Haz.Waste Hauler

--1279a	07/09/93	secondary pipe test	1.	$75.00
--1279a	07/13/93	sump test	1.	$75.00
--1279a	07/14/93	sump test follow-up	1.	$75.00
--1279a	07/15/93	call w/owner	0.5	$37.50
--1279a	07/20/93	letter faxed to owner	1.	$75.00
--1279a	07/27/93	final inspection MFD	1.	$75.00
--1279a	07/27/93	final inspection	1.5	$112.50
--1279a	08/04/93	file review/to LOP	1.	$75.00
--1279a	10/01/93	Project Ended/Refund request		$0.00
				$1,312.50

Balance: $300.00 Amount Refunded: $193.50

Printed: 06/10/97

******* Alameda County Department of Environmental Health *******
BILLING's WORKLOG: Total Deposit/Refund History for All Accounts at Site

**** SITE INFORMATION ****

Site#: 1279 -- StID: 1130 ARCO
Date Open: 12/17/92 2740 --98TH AVENUE
Date Closed: 11/02/93 OAKLAND CA 94605

**** PAYOR INFORMATION ****

> Project # --1279A for Payor # 612 SESSIONS TANK LINERS,INC.
664 W MAIN RD. P.O.BOX 731
EL CENTRO CA 92243

**** DEPOSIT HISTORY ****

Proj#	Deposit Date	Receipt#	Amount Received
--1279A	12/17/92	668879	$ $906.00
--1279A	08/04/93	704484	$ $600.00
--1279A	03/15/94	725566	$ $300.00
			$ $1,806.00

** WORKLOG HISTORY **

Proj#	Work Date	Activity Description	Insp	Time (hrs)	Amount Charged
--1279a	01/25/93	modify plan reivew		1.	$75.00
--1279a	02/03/93	modify plan review		1.	$75.00
--1279a	03/10/93	conference/plan reivew		0.5	$37.50
--1279a	04/02/93	Plan review		0.5	$37.50
--1279a	04/09/93	Plan review		0.5	$37.50
--1279a	04/23/93	Plan review		0.5	$37.50
--1279a	05/06/93	approved plans		1.	$75.00
--1279a	06/17/93	survey inspection		0.5	$37.50
--1279a	06/18/93	soil sampling/inspect		2.	$150.00
--1279a	06/29/93	on site investigation		1.	$75.00
--1279a	07/07/93	primary pipe test		1.	$75.00

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

February 19, 1997

Mr. Kiyoumars Ghofrani
Freeway Station & Service
2740 98th Avenue
Oakland, CA 94605

STID 1130

Re: Investigations at 2740 98th Avenue, Oakland, California

Dear Mr. Ghofrani,

This office has reviewed Soil Tech Engineering, Inc's (Soil Tech) October 3, 1996 Subsurface Investigation Report and the December 26, 1996 Quarterly Groundwater Monitoring Report. In the October 3, 1996 report, Soil Tech theorizes that the Hayward fault may be influencing the groundwater gradient flow at the site due to observed discrepancies in groundwater elevations between the initial wells and the most recently installed wells, and the fact that Wells STMW-2 and STMW-3 are consistently "dry". However, it appears that the observed groundwater elevation discrepancies may be resulting from the fact that Wells STMW-1 through STMW-3 are screened at much shallower elevations than the recently installed wells, Wells STMW-4 through STMW-6 (please refer to attached cross section prepared by this office to get a better sense of the elevation difference). In looking at the groundwater elevations of Wells STMW-4 through STMW-6, it appears that the primary groundwater aquifer beneath the site exists at an elevation of roughly 70 to 75 feet. The groundwater identified in Well STMW-1 appears to be a perched aquifer, due to all the clay at the site, and Wells STMW-2 and STMW-3 appear to be "dry" because they are not screening through any perennial perched or alluvial aquifers.

The observed groundwater contaminant plume appears to be resulting from an older release due to the lack of MTBE in the groundwater. Additionally, due to the fact that groundwater was noted at much greater depths than the observed soil contamination in Wells STMW-4 through STMW-6, the source of the groundwater contamination identified in these wells appears to be upgradient from these wells, most likely from the former product piping trench or the underground storage tank area.

Due to the complex geological nature at this site, this office is requesting that you retain a professional Registered Geologist to assess the site, make interpretations, and review and sign-off on all future reports to this office.

Contrary to Soil Tech's proposal, this office will not be requesting that additional groundwater monitoring wells be installed at this time, however, quarterly groundwater monitoring is required to continue at the site to monitor fluctuating groundwater contaminant concentrations as well as

variations in the groundwater flow directions. Groundwater contaminant concentrations may fluctuate due to leaching of the observed residual soil contamination at the site, and also due to vertical migration of what appears to be contaminated perched water (e.g., the shallow "grab" groundwater sample collected from Boring B-1 in March 1994). If contaminant concentrations consistently increase in the future, additional wells may be needed to properly characterize the severity and extent of this plume.

Future monitoring reports should include elevation contours (attached is an example of elevation contours for the most recent sampling event), using Wells STMW-4 through STMW-6 for the triangulation, since these wells appear to be most representative of the groundwater aquifer. Additionally, field notes containing information on the amount of purged water, pH, temperature, conductivity, turbidity, petroleum odors, etc. should be included. If these field notes exist for past sampling events, please submit copies of these notes to our office. Due to the fact that no VOCs or heavy metals have been identified in Well STMW-6 in the last two monitoring events, future groundwater samples collected from this well need not be analyzed for these constituents.

Lastly, the October 3, 1996 report referenced the existence of a local spring or artesian aquifer across 98th Avenue, at the base of the hill. Please provide this office with a figure showing the exact location of this spring and information on whether this spring is used for any purpose.

The next quarterly groundwater monitoring report is due to this office in May 1997. If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

ATTACHMENTS

cc: Frank Hamedi-Fard
Soil Tech Engineering, Inc.
298 Brokaw Road
Santa Clara, CA 95050

Acting Chief

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
80 Swan Way, Rm. 210
Oakland, CA 94621
(510) 271-4300

July 10, 1996

Mr. Kiyoumars Ghofrani
Freeway Station & Service
2740 98th Ave.
Oakland, CA 94605

STID 1130

Re: Work plan for investigations at 2740 98th Avenue, Oakland, CA

Dear Mr. Ghofrani,

This office has reviewed the July 1, 1996 addendum to the November 3, 1995 work plan. The work plan, in conjunction with the addendum, is acceptable to this office. Field work should commence within 60 days of the date of this letter. A report documenting the work should be submitted to this office within 45 days after completing field activities. Please notify this office at least 48 hours in advance of implementing the work plan.

The next quarterly groundwater sampling event at the site should be conducted in conjunction with the proposed sampling of the new wells. The report documenting the results should include, but not be limited to, groundwater elevation contours (the new wells shall be surveyed to Mean Sea Level), cross sections, and technical discussions regarding the site's statigraphy and whether a trace of the Hayward Fault crosses the site.

Additionally, this office is requesting that you incorporate the former locations of the piping trenches in the site plan and submit it to this office in the next report.

If you have any questions or comments, please feel free to contact me at (510) 567-6763.

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

cc: Frank Hamedi-Fard
Soil Tech Engineering, Inc.
298 Brokaw Road
Santa Clara, CA 95050

Acting Chief-File

Cal/EPA

State Water Resources Control Board

Division of Clean Water Programs

Mailing Address:
P.O. Box 944212
Sacramento, CA
94244-2120

2014 T Street,
Suite 130
Sacramento, CA
95814
(916) 227-4307
FAX (916) 227-4530

MAY 21 1996

Pete Wilson
Governor

Stid #1130
jms

KIYOUMARS GHOFRANI
2000 STRATTON RD
WALNUT CREEK, CA 94598

UNDERGROUND STORAGE TANK CLEANUP FUND PROGRAM, NOTICE OF PROPOSED WITHDRAWAL OF LETTER OF COMMITMENT: CLAIM NUMBER 008505; FOR SITE ADDRESS: 2740 98TH AVE, OAKLAND 94605

A Letter of Commitment (LOC) was issued to you on January 13, 1995. Pursuant to its terms and conditions, an LOC may be withdrawn at any time if the claimant is found to be not in compliance with any applicable state rules and regulations, and with all of the terms, conditions, and commitments contained in the claimant's application.

This letter is to notify you that the Underground Storage Tank Cleanup Fund is proposing to withdraw your LOC for the following reason:

The Alameda County Health Care Services sent you a letter dated December 5, 1995 requesting an addendum to a November 1995 workplan submitted by Soil Tech Engineers proposing the installation of three monitoring wells. The letter listed several issues that needed to be addressed in the addendum.

By letter dated May 13, 1996, the Cleanup Fund was informed that you have not responded fully to the requests made in the December 5, 1995 letter. You have been requested to address all of the issues outlined in the May 13, 1996 letter within 60 days of the date of the letter. As stated above, continued compliance with corrective action directives is a requirement for maintaining your eligibility status with the Cleanup Fund. This office will not process any additional requests for reimbursement until you have complied with the county's latest request. In addition, this office will follow up with the Alameda County Health Care Services Agency on July 15, 1996 to ensure that you have submitted the requested addendum. If you have not complied, the Fund will withdraw your LOC.

If you are not in agreement with this decision, you may request a review of the decision by the Manager of the Underground Storage Tank Cleanup Fund Program within thirty (30) calendar days from the date of this Notice. Please send any request for review to:

Mr. Dave Deaner, Manager Claim No. 008505
Underground Storage Tank Cleanup Fund Program
State Water Resources Control Board
Division of Clean Water Programs
P. O. Box 944212
Sacramento, CA 94244-2120

If a request for review of this decision is not received within thirty (30) calendar days from the date of this Notice, your LOC will be withdrawn.

If you have any questions, please contact Cheryl Gordon at (916) 227-4539.

Sincerely,

Francine Aguirre

Francine Aguirre, Team Leader - Region 2
Underground Storage Tank Cleanup Fund

cc: Mr. Steve Morse
RWQCB, Region 2
2101 Webster St., Ste. 500
Oakland, CA 94612

Mr. Thomas Peacock
Alameda County EHD
1131 Harbor Bay Pkway, 2nd Fl.
Alameda, CA 94502-6577

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6777

May 13, 1996

Mr. Kiyoumars Ghofrani
Freeway Station & Service
2740 98th Avenue
Oakland, CA 94605

STID 1130

Re: Required investigations at 2740 98th Avenue, Oakland, California

Dear Mr. Ghofrani,

On June 13, 1995, this office sent you a letter requesting the submittal of technical discussions explaining the discrepancies between the groundwater elevations observed in the on-site monitoring wells. Additionally, based on the elevated levels of soil and groundwater contamination identified in Boring B-1 in March 1994 (Up to 1,500 ppm TPHg and 2.4ppm benzene in soil and 990,000 ppb TPHg and 11,000ppb benzene in groundwater), this office requested that a monitoring well be placed east of the former tank pit in order to delineate and monitor the extent of this contamination. Although Well W-4, a production well, is located approximately 40 feet east of Boring B-1, the screened interval for this well is unknown and therefore samples collected from this well are questionable and may not be reflective of actual groundwater conditions.

In November 1995, Soil Tech Engineers (Soil Tech) submitted a work plan in response to the County's June 13, 1995 letter. Soil Tech proposed the installation of three additional monitoring wells, however, they did not provide sufficient, technically-based, rationale as to how and why these three additional wells would address the County's above concerns.

On December 5, 1995, the County sent you a letter requesting an addendum to Soil Tech's November 1995 work plan. The letter requested that the addendum include the following:

- Technical discussions and research into the discrepancies in groundwater elevations between the on-site wells;
- Technical discussions on the possibility of interference from the Hayward fault on groundwater flow;
- Justification for the three proposed monitoring wells;
- The submittal of the Northwest Envirocon report, dated July 22, 1992; and
- Although this office supports the need for replacing Well W-4, more careful examination was requested for determining the proper screened interval for the proposed replacement well.

To date, you have responded to only one of the above requests, which was the submittal of the Northwest Envirocon report. This office is requesting that you address the remaining above items in an addendum. The technical geological/hydrogeological discussions should be addressed by an experienced Professional Registered Geologist. The addendum should be submitted to this office within 60 days of the date of this letter.

If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

cc: Cheryl Gordon
SWRCB
Division of Clean Water Programs
Underground Storage Tank Cleanup Fund Prog.
P.O. Box 944212
Sacramento, CA 94244-2120

Frank Hamedi-Fard
Soil Tech Engineering, Inc.
298 Brokaw Road
Santa Clara, CA 95050

Acting Chief-File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

Alameda County CC4580
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda CA 94502-6577

December 5, 1995

Mr. Kiyoumars Ghofrani
Freeway Station & Service
2740 98th Ave.
Oakland, CA 94605

STID 1130

Re: Work plan for investigations at 2740 98th Avenue, Oakland, California

Dear Mr. Ghofrani,

This office has reviewed Soil Tech Engineering, Inc.'s (Soil Tech) Work Plan for Additional Site Assessment, dated November 3, 1995. This work plan was prepared in response to the County's June 13, 1995 letter which required that two primary issues be addressed: 1) the lateral delineation of soil contamination; and 2) greater studies into the discrepancy between the Depth-to-Water (DTW) in the on-site wells and the potential for the Hayward Fault's influence on groundwater flow at the site. Soil Tech's work plan proposes to install three additional monitoring wells, however, not enough rationale was provided in the work plan to explain how and why these wells would address the above concerns. Monitoring wells are not necessary for the lateral delineation of the observed soil contamination, and it is unclear as to how the monitoring of these additional wells would answer the above concerns.

An addendum to this work plan providing more detailed rationale for the installation of three additional monitoring wells, or another proposal addressing the above concerns, should be submitted to this office. The information provided in this addendum should include more detailed geological information, such as cross sections, the potential for confined conditions, and whether the current wells are screening accurately.

This office does not have a copy of Northwest Envirocon, Inc.'s Report, dated July 22, 1992, documenting preliminary investigations at the site. Please submit a copy to this office along with the addendum. We are hoping that this report addresses whether any sampling was conducted in relation to the waste oil release in May 1989, because our case files currently have no sampling information from this event. Please submit all the sampling information you have from this incident. If it is determined, after our review of this information, that sampling for waste oil constituents was incomplete in 1989, this office may require the next round of groundwater and/or soil samples to be analyzed for waste oil constituents, in addition to TPHg and BTEX.

Lastly, Soil Tech has proposed to destroy Well W-4/MW-4, and replace it with another well. However, since Well W-4 is the only on-site well that has identified contaminants to date, the replacement well should, if possible, be drilled to the same depth as Well W-4, and screened at the same interval. Although no construction information is currently available for Well W-4, it may be possible to glean that information during the removal/destruction of Well W-4. Please include this concern in the requested addendum.

Please be reminded to have someone at the Cleanup Fund Program pre-approve all your work plans. This way, you will know what is acceptable to the Cleanup Fund for reimbursement before implementing the work plans. If you have any questions regarding the pre-approval process by the Cleanup Fund, you can contact Christopher Stevens at (916) 227-4519 or Jim Munch at (916) 227-4430.

If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

cc: Cheryl Gordon
SWRCB
Division of Clean Water Programs
Underground Storage Tank Cleanup Fund Prog.
P.O. Box 944212
Sacramento, CA 94244-2120

Frank Hamedi-Fard
Soil Tech Engineering, Inc.
298 Brokaw Road
Santa Clara, CA 95050

Acting Chief-File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

June 13, 1995

Mr. Kiyoumars Ghofrani
Freeway Station & Service
2740 98th Ave.
Oakland, CA 94605

STID 1130

Re: Investigations at 2740 98th Ave., Oakland, California

Dear Mr. Ghofrani,

This office has reviewed Soil Tech Engineering's (Soil Tech) Environmental Site Assessment Report, dated March 8, 1995. A great discrepancy was identified between the water level measurements collected from the three new monitoring wells, STMW-1 through STMW-3, and the production well, W-4. As proposed by Soil Tech, additional hydrogeologic investigations need to be conducted to identify the reasons behind the water depth discrepancy and to confirm the groundwater gradient direction at the site.

According to the ground water elevation information collected from the on-site wells, it appears that ground water gradient is flowing to the east. This gradient direction appears to be consistent with the elevated levels of soil and ground water contamination identified to the east of the tank pit from boring B-1 in March 1994 (Up to 1,500 ppm TPHg and 2.4 ppm benzene in soil and 990,000 ppb TPHg and 11,000 ppb benzene in ground water). Based on the estimated ground water gradient, the soil and ground water contamination identified in boring B-1, and the sheen identified in production well W-4, located to the east of boring B-1, you are required to conduct further investigations to the east of the tank cluster and pump islands to further delineate this contamination.

Per Article 11, Title 23 California Code of Regulations, you are required to submit a work plan, within 60 days of the date of this letter, addressing the above concerns. Additionally, per Article 5, Title 23 California Code of Regulations, quarterly ground water monitoring, gradient determinations, and reporting shall continue at the site.

If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

cc: Frank Hamedi-Fard
Soil Tech Engineering, Inc.
298 Brokaw Road
Santa Clara, CA 95050

File

SOIL TECH ENGINEERING

Soil, Foundation and Geological Engineers

298 BROKAW ROAD, SANTA CLARA, CA 95050 ■ (408) 496-0265 OR (408) 496-0266

DATE: 2/9/95 TIME: 11:20

TO: ALAMEDA COUNTY DEP. OF ENVIRONMENTAL HEALTH

ATTN: Miss Juliet Shin

RE: 2740 98th. Av. OAKLAND

FAX: (510) 337-9335

---

1 PAGES
(INCLUDING COVER PAGE)

FROM: Soil Tech Engineering Inc.

C/O: Noori Amali

OUR FAX: (408) 988-3343

NOTE: This is to notify you that we will be drilling and installing monitoring wells at the subject site.

PLEASE CALL OUR OFFICE IF YOU DO NOT RECEIVE ALL THE PAGES.

STATE WATER RESOURCES CONTROL BOARD
DIVISION OF CLEAN WATER PROGRAMS
2014 T STREET, SUITE 130
P.O. BOX 944212
SACRAMENTO, CALIFORNIA 94244-2120
(916) 227-4360
(916) 227-4530 (FAX)

HAZMAT
95 JAN 31 AM 9:01

JAN 27 1995

STID # 1130 JMS

K. Ghofrani
2000 Stratton Road
Walnut Creek, CA 94598

UNDERGROUND STORAGE TANK CLEANUP FUND, CLAIM NO. 008505, FOR SITE ADDRESS: 2740 98th Avenue, Oakland, CA 94605

The State Water Resources Control Board (SWRCB) takes pleasure in issuing the attached Letter of Commitment in an amount not to exceed **$20,000**. This Letter of Commitment is based upon our review of the corrective action costs incurred to date and your application received on April 5, 1994 and may be modified by the SWRCB in writing by an amended Letter of Commitment.

The SWRCB will take steps to withdraw this Letter of Commitment after 90 calendar days from the date of this transmittal letter unless you proceed with due diligence with your cleanup effort. This means that you must take positive, concrete steps to ensure that corrective action is proceeding with all due speed. For example, if you have not started your cleanup effort, you must obtain three bids and sign a contract with one of these bidders within 90 calendar days. If your cleanup effort has already started and was delayed, you must resume the expenditure of funds to ensure that your cleanup is proceeding in an expeditious manner. You are reminded that you must comply with all regulatory agency time schedules and requirements. We constantly review the status of all active claims, and failure to proceed with due diligence will be grounds for withdrawal of this Letter of Commitment.

You should read the terms and conditions listed in the Letter of Commitment. Also attached you will find:

- A "Reimbursement Request Instructions" package. **You should retain this package for future reimbursement requests.** Among other information, the package includes instructions for completion of the "Reimbursement Request" form and the "Spreadsheet". These instructions must be followed when seeking reimbursement for corrective action costs incurred after January 1, 1988. Included in these instructions are samples of Reimbursement Request forms and completed Spreadsheets. Within the package also included are:
  - A "Bid Summary Sheet" to document data on bids received.
  - Recommended Minimum Invoice Cost Breakdown.
  - A "Certification of Non-Recovery From Other Sources" which must be returned before any reimbursements can be made.
- "Reimbursement Request" forms which you must use to request reimbursement of costs incurred.
- "Spreadsheet" forms which you must use in conjunction with your Reimbursement Request.
- "Vendor Data Record" (Std. Form 204) which must be completed and returned with your first Reimbursement Request.

If you have any questions regarding the Letter of Commitment or the Reimbursement Request package, please contact Blessy Torres at (916) 227-4535.

Sincerely,

Dave Deaner, Manager
Underground Storage Tank
Cleanup Fund Program

Attachments

cc: Mr. Steve Morse
California Regional Water Quality
Control Board, San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, CA 94612

Mr. Tom Peacock
Alameda County EHD
1131 Harbor Bay Pkway, 2nd Fl
Alameda, CA 94502-6577

LETTER OF COMMITMENT FOR REIMBURSEMENT OF COSTS

CLAIM NO: **008505**

CLAIMANT: **K. Ghofrani**
CO-PAYEE: **None**
JOINT CLAIMAINT: **None**

CLAIMANT ADDRESS: **2000 Stratton Road**
Walnut Creek, CA 94598

TAX ID/SSA NO: **571-81-5316**

AMENDMENT NO: **0**

BALANCE FORWARD: **$0**

THIS AMOUNT: **$20,000**

NEW BALANCE: **$20,000**

Subject to availability of funds, the State Water Resources Control Board (SWRCB) agrees to reimburse **K. Ghofrani** (Claimant) for eligible corrective action costs at **Freeway Station & Service 2740 98th Avenue, Oakland, CA 94605** (Site). The commitment reflected by this Letter is subject to all of the following terms and conditions:

1. Reimbursement shall not exceed **$20,000** unless this amount is subsequently modified in writing by an amended Letter of Commitment.

2. The obligation to pay any sum under this Letter of Commitment is contingent upon availability of funds. In the event that sufficient funds are not available for reasons beyond the reasonable control of the SWRCB, the SWRCB shall not be obligated to make any disbursements hereunder. If any disbursements otherwise due under this Letter of Commitment are deferred because of unavailability of funds, such disbursements will promptly be made when sufficient funds do become available. Nothing herein shall be construed to provide the Claimant with a right of priority for disbursement over any other claimant who has a similar Letter of Commitment.

3. All costs for which reimbursement is sought must be eligible for reimbursement and the Claimant must be the person entitled to reimbursement thereof.

4. Claimant must at all times be in compliance with all applicable state laws, rules and regulations and with all terms, conditions, and commitments contained in the Claimant's Application and any supporting documents or in any payment requests submitted by the Claimant.

5. No disbursement under this Letter of Commitment will be made except upon receipt of acceptable Standard Form Payment Requests duly executed by or on behalf of the Claimant. All Payment Requests must be executed by the Claimant or a duly authorized representative who has been approved by the Division of Clean Water Programs.

6. Any and all disbursements payable under this Letter of Commitment may be withheld if the Claimant is not in compliance with the provisions of Paragraph 5 above.

7. Neither this Letter of Commitment nor any right thereunder is assignable by the Claimant without the written consent of the SWRCB. In the event of any such assignment, the rights of the assignee shall be subject to all terms and conditions set forth in this Letter of Commitment and the SWRCB's consent.

8. This Letter of Commitment may be withdrawn at any time by the SWRCB if completion of corrective action is not performed with reasonable diligence.

IN WITNESS WHEREOF, this Letter of Commitment has been issued by the SWRCB this **13th** day of **January**, 19**95**.

STATE WATER RESOURCES CONTROL BOARD

BY _____
Manager, Underground Storage Tank Cleanup Fund Program

BY _____
Chief, Division Administrative Services

STATE USE:
CALSTARS CODING:
0550-569.02 - 30530

$_____

R:3/24/94

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

ALAMEDA COUNTY CC4580
DEPT. OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION DIVISION
1131 HARBOR BAY PKWY., #250
ALAMEDA CA 94502-6577

January 10, 1995

Mr. Kiyoumars Ghofrani
Freeway Station & Service
2740 98th Ave.
Oakland, CA 94605

STID 1130

Re: Work plan for investigations at 2740 98th Ave., Oakland, California

Dear Mr. Ghofrani,

This office has reviewed Soil Tech Engineering's (Soil Tech) work plan, dated December 5, 1994, for the above site. This work plan is acceptable to this office with the following conditions/reminders:

- A minimum of one soil sample from each boring shall be taken to a certified laboratory for analysis. Field screening shall be conducted to help select which samples shall be analyzed at a laboratory.

- Wells should be screened five feet above and 10 feet below the water table to account for seasonal fluctuations.

- The monitoring wells must be placed at least 20 feet apart from one another and form sufficient triangulation for accurate ground water gradient determinations.

- Per Article 5 Title 23 California Code of Regulations, quarterly ground water monitoring and reporting shall be conducted.

- Lastly, please submit information on the fate of the previously excavated soil. If this soil is still stockpiled at the site, it must be adequately covered to prevent infiltration of surface runoff water. Additionally, you must submit information on your intentions for this soil. If you intend on aerating this soil, you should notify the Bay Area Air Quality Management District and our office. If you intend on hauling this soil off site for disposal, or wish to request reuse of this soil on site, you need to contact this office.

Field work shall commence within 60 days of the date of this letter. A report documenting the work shall be submitted to this office within 45 days after completing field activities.

If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

cc: Frank Hamedi
Soil Tech Engineering
298 Brokaw Road
Santa Clara, CA 95050

Cheryl Gordon
State Water Resources Control Board
Division of Clean Water Programs
P.O. Box 944212
Sacramento, CA 94244-2120

Edgar Howell

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

Certified Mailer # P 155 530 609

December 23, 1994

Mr. Kiyoumars Ghofrani
Freeway Station and Service
2740 98th Avenue
Oakland, CA 94605

RE: Underground Tank Repair

NOTICE OF VIOLATION

Dear Mr. Ghofrani:

On March 18, 1994 you had a 6000 gallon underground tank at your above addressed facility repaired and interior lined by Sessions Tank Liners Company of El Centro, California. This repair was done without formal plan approval or inspection by a representative of this department. On March 21 and 28, 1994 letters were sent to this department from Sessions Tank Liners along with some photographs outlining the repair work performed. There were no test reports or certification received from a special inspector or coatings expert for this underground tank repair and lining. Please submit these within 30 days of the receipt of this letter.

The last letter dated March 28, 1994 indicated that you would be responsible for having the tank precision tested within 30 days after the repair was completed as required in Section 2660 (f) of Article 6, Chapter 16, Division 3, Title 23 of the California Code of Regulations. Actually the tank should have been tank integrity tested before being placed back in service as per Section 2663 (g) of the same regulations.

On July 6, 1994 this department received copies of leak test results dated April 10, 1994 from your existing tank monitoring system indicating pass for a 0.2 gallon per hour test. However, both volumetric and nonvolumetric tank integrity tests must be capable of detecting a release of 0.1 gallon per hour from any portion of the tank as required in Section 2643.1 of the above mentioned regulations. As of this date, this department has not received results indicating the tank has passed such a test.

You are required to submit these results within 30 days of the receipt of this letter. Failure to do so will result in suspension of your permit to operate this tank. In addition, you will need to update and submit the enclosed state permit B form for this tank also within the same timeframe.

If you have any questions on this matter, please contact your new Hazardous Materials Specialist Don Hwang at 567-6700.

Sincerely,

Ronald J. Owcarz

Ronald J. Owcarz, REHS
Hazardous Materials Specialist

Enclosure

pc: Gil Jensen, Alameda County District Attorney's Office
Ross Sessions, Sessions Tank Liners
Kevin Graves, RWQCB
Juliet Shin, LOP
Don Hwang
Ariu Levi - file

2740 98th Avenue
Oakland, CA 94605

Freeway
Station & Service

(510) 562-4505

November 14, 1994

To: Alameda County Health Care Service Agency

Dear Ms. Julie Shin.

I received your letter on the date of October 27, 1994. As I informed you in the letter of August 8, 1994 I am working on my site.(Attachment #1).

Regarding your question on the letter of October 27, 1994, I called several site Assessment companies to obtain the best bid. until now I have received two bids, one from All Environmental Inc. and the other from Cal Project Engineering.(Copies included). I am now waiting for another bid from Gill Tech Engineering Inc.

Since the County of Alameda has found my land as contaminated for taking action and cooperating my land I have spent $10784.33 and I still owe Gill Tech Engineering about $8107.00,(all invoices included).

For any further actions that I need to take I need reimbursement from the State Fund Flexibility.

Sincerely,
H. Sherifian

2740 98th Avenue
Oakland, CA 94605

Freeway
Station & Service

(510) 562-4505

1

August 8, 1994

To: Alameda County Health Care Service Agency

Dear Ms. Juliet Shin,

I received you letter on the date of july 8,1994, asking for more investigation of my land. i am working on it. To the accordance of the state fund regulation I must get the best bid from different sight assignments.

Regarding you question about the 1989 oil leak, there was none it was actually a oils spill during the removing of waste oil. and to be sure that our tanks are not leaking we conduct a tank test every year as like the one attached for the current year.

The excavated soil is still in my lot and i"d like to keep it there for my own use in the future.

Sincerely,
K. Ghofrani

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION
DEPOSIT / REFUND ACCOUNT SHEET

SITE INFORMATION

Arco (Freeway Station)
2740 - 98th Ave
Oakland 94605
Site Contact: Kiyoumars Ghofrani
Site Phone : 562-4505

SITE#: 1279
PROJECT#: 1279A
PROJECT TYPE: MOD
INSP: Ron Owcarz
ACCT. SHEET PG #: ____

PROPERTY OWNER INFORMATION

E & G Construction
6433 Overlin Way
San Jose Ca 95123
Owner Contact: Mark David East
Owner Phone : 408-224-6498

CONTRACTOR INFORMATION

E & G Contruction, Inc.
6433 Overlin Way
San Jose CA 95123 #482
Contr. Contact: Mark David East
Contr. Phone : 408-224-6498

Date	Action Taken	Time In	Time Out	Hours Spent/ Depstd	Hour Balnce	Money Spent/ Depositd	Money Balance
	Balance from Prev.Page	.....	.....	.....	____	.....	____
12/17/92	Rcpt# U668879 Deposit of $906.00 @ $71/hour			+12.76	____	.....	906.00
1/25/93	Mod. plan review	9am	10am	1.0	11.76	75.	831.00
2/3/93	"	10am	11am	1.0	10.76	75.	756.00
3/10/93	" cont	10am	1030	0.5	10.26	37.50	718.50
4/2/93	"	3pm	3:30pm	0.5	9.76	37.50	681.00
4/9/93	"	1pm	1:30pm	0.5	9.26	37.50	643.50
4/23/93	"	2pm	2:30pm	0.5	8.76	37.50	606.00
5/6/93	" approval cont.	11am	noon	1.0	8.26	75.00	531.00
5-7-93	2 billing						
6/17/93	Survey inspection	2pm	2:30pm	0.5	7.76	37.50	493.50
6/18/93	Soil sampling inspection	2pm	4pm	2.0	5.76	150.00	343.50
6/29/93	On site investigation	1:30pm	1:30pm	1.0	4.76	75.00	268.50
7/7/93	Primary pipe test	4pm	5:30pm	1.0	3.76	75.00	193.50
7/19/93	2 billing						

Close out & transfer to LOP

PROJECT COMPLETED BY : Ron Owcarz
DATE OF COMPLETION : 8-4-93 DATE SENT TO BILLING: 8-5-93
TOTAL COST OF PROJECT: ____ REFUND AMOUNT: $193.50 Rev. 4/91

Lawrence Lee #2413 11-1-93 Mail away

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION
DEPOSIT / REFUND ACCOUNT SHEET

SITE INFORMATION

Arco (Freeway Station)
2740 - 98th Ave
Oakland 94605
Site Contact: Kiyoumars Ghofrani
Site Phone : 562-4505

StID: 1130 Site#: 1279
PROJECT#: 1279D
PROJECT TYPE: M
INSP: Ron Owcarz
ACCT. SHEET PG. #: ____

PROPERTY OWNER INFORMATION

E & G Construction
6433 Overlin Way
San Jose Ca 95123
Owner Contact: Mark David East
Owner Phone : 408-224-6498

CONTRACTOR INFORMATION

Freeway Arco
2740 98th Ave
Oakland CA 94605 #757
Contr. Contact:
Contr. Phone :

Date	Action Taken	Time In	Time Out	Hours Spent/ Depstd	Hour Balnce	Money Spent/ Deposited	Money Balance
	Balance from Prev.Page	.....	.....	.....	3.76	.....	$195.50
08/04/93	Rcpt# 704484 Deposit of $600.00 @ $75/hour			+8.	11.76	.....	$793.50
7/9/93	Secondary pipe test	4pm	5pm	1.0	10.76	$75.	718.50
7/13/93	Sump test	4pm	5pm	1.0	9.76	75	643.50
7/14/93	" follow up	4pm	5pm	1.0	8.76	75.	568.50
7/15/93	[illegible]	1:30pm	2pm	0.5	8.26	[illegible]	533.00
7/20/93	[illegible]	2pm	3pm	1.0	7.26	75.	458.00
7/27/93	Final inspection-not ready	1pm	2pm	1.0	6.26	75.	383.00
7/27/93	Final inspection	4pm	5:30pm	1.5	4.76	110.50	272.50
8/4/93	[illegible]	10am	11am	1.0	3.76	75	198.50
8-4-93	Close out & transfer to LOP						

UPON COMPLETION OF PROJECT

PROJ COMPLETED BY : Ron Owcarz
ATTACH: __ State Forms A,B & C __ Billing Adjustment*
DATE OF COMPLETION : 8/4/93
DATE SENT TO BILLING: 8-5-93
TOTAL COST OF PROJECT: $1310.50
REFUND AMOUNT: $198.50
Rev. 1/93

* Billing adjustment forms needed when site is in our UST program

SOIL TECH ENGINEERING

Soil, Foundation and Geological Engineers

298 BROKAW ROAD, SANTA CLARA, CA 95050 ■ (408) 496-0265 OR (408) 496-0266

- I N V O I C E -

Invoice Date: 3/29/94
File Number: 7-93-556-SI
Invoice No.: 7-93-556-SI.1

Mr. Kiyoumars Ghofrani
Freeway Station and Service
2740 98th Avenue
Oakland, California 94605

PAST DUE
PLEASE REMIT

SUBJECT: PROPOSED DRILLING AND SAMPLING FOR THE PROPERTY Located at 2740 98th Avenue, in Oakland, California

Billing for Drilling, Soil and Water Sampling and Laboratory.

Concrete core	1 hole @ $50/hole	$ 50.00
Soil boring	3 borings @ $400/boring	1,200.00
Water sampling		150.00
Soil boring for collecting groundwater	1 boring @ $700/boring	700.00
Laboratory Analysis: Soil samples analyzed for TPHg with BTEX	9 samples @ $100/sample	900.00
Water sample analyzed for TPHg with BTEX	1 sample @ $100/sample	100.00
Total Balance Due		$3,100.00

PLEASE NOTE: This is an invoice for professional services and is due upon presentation.

All charges are due now. Please return one copy of invoice with remittance, and make check payable to Soil Tech Engineering, Inc. After 30 days, a carrying charge of 1½% will be assessed on past due balances. This rate is equivalent to an annual of 18% charge.

PAID
CK# 7107 $1500
8-31-94

SOIL TECH ENGINEERING
Soil, Foundation and Geological Engineers
298 BROKAW ROAD, SANTA CLARA, CA 95050 ■ (408) 496-0265 OR (408) 496-0266

- I N V O I C E -

Invoice Date: 5/25/94
File Number: 7-93-556-SI
Invoice No.: 7-93-556-SI.2

Mr. Kiyoumars Ghofrani
Freeway Station and Service
2740 98th Avenue
Oakland, California 94605

SUBJECT: PRELIMINARY SITE ASSESSMENT AT FREEWAY STATION AND SERVICE PROPERTY
Located at 2740 98th Avenue, in
Oakland, California

Billing for Preliminary Site Assessment as reported April 21, 1994.

Technical report and drawing	$2,000.00

PLEASE NOTE: This is an invoice for professional services and is due upon presentation.

All charges are due now. Please return one copy of invoice with remittance, and make check payable to Soil Tech Engineering, Inc. After 30 days, a carrying charge of 1½% will be assessed on past due balances. This rate is equivalent to an annual of 18% charge.

ALPHA GEO SERVICES INC.

GENERAL ENGINEERING CONTRACTOR LICENSE NO. 507520

298 BROKAW Rd. Phone (408) 988-1055

SANTA CLARA, Ca. 95050 Fax (408) 988-3343

- I N V O I C E -

Invoice Date: 4/08/94

File Number: 7-93-556-SI

Invoice No.: 00556SI

Mr. Kiyoumars Ghofrani
Freeway Station and Service
2740 98th Avenue
Oakland, California 94605

SUBJECT: ENVIRONMENTAL SERVICES AT THE PROPERTY
Located at 2740 98th Avenue, in
Oakland, California

Billing for Environmental Services.

Preparing the top of the tank for concrete, trimming and final saw cut, removal of debris (concrete and asphalt), replacement of concrete (including time and materials) $5,570.00

PAST DUE
PLEASE REMIT

PLEASE NOTE: This is an invoice for professional services and is due upon presentation.

All charges are due now. Please return one copy of invoice with remittance, and make check payable to Alpha Geo Services. After 30 days, a carrying charge of 1½% will be assessed on past due balances. This rate is equivalent to an annual of 18% charge.

Invoice Number 93-0714

July-14-93

12:29 AM

E & G Construction Inc.

6433 Oberlin Way
SJ, CA 95123
Phone: 224-6498

Job Address:		Mailing Address:	
	FREEWAY ARCO		FREEWAY ARCO
	2740 98th AVE		2740 98th AVE
	OAKLAND CALIF.		OAKLAND CALIF.

Qty:	Description:	Price:	Amount:
10	SAMPLES 5-DAY TESTED FOR TPH-G BTX&E	$125.00	$1,250.00
10	SAMPLES 5-DAY TESTED FOR LEAD	$100.00	$1,000.00
2	COMPOSITE SAMPLES	$30.00	$60.00
2.5	FIELD SAMPLING	$60.00	$150.00
	ADDITIONAL SAMPLES TAKEN ON 7-1 & 7-2-93		
3	SAMPLES 5-DAY TESTED FOR TPH-G BTX&E	$125.00	$375.00
5	HOURS OF BACKHOE TIME	$70.00	$350.00
1	FIELD SAMPLING	$60.00	$60.00

ck # 605-0 7-26-93

TERMS: A FINANCE CHARGE OF 1 1/2% PER MONTH (18% ANNUALLY)
WILL BE CHARGED ON BALANCES OVER 30 DAYS.

PLEASE PAY FROM THIS INVOICE. NO OTHER STATEMENTS WILL BE RENDERED

Materials:	
Tax:	
Subtotal:	
Labor:	
Total:	$3,245.00

CALIFORNIA HAZARDOUS SERVICES, INC.

WORKORDER

Job Date: 2-21-94 Time: ~

P.O. #: VERBAL QUE Price: $ 500 COD

EPA #: CAL000017543 Technician: JEROMY

Customer: FREEWAY SERVICES STATION

Address: 2740 98TH AVE

OAKLAND CA 94506

Telephone #: 510-562-4505

Contact: QUE

Tank Size:	Fuel Type:
92 OCTANE	WATER PUMPOUT

Comments: NEEDS PUMP TRUCK FOR ~~REMOVAL~~

900-1000 GALLONS MORE OF WATER

Number of Drums: 4 DRUMS @ 207 gals CK # 6598

WORK RELEASE: I have witnessed an after fuel sample off the bottom of our tank (s). The sample has no water.

Main Office:
3855 South Main Street
Santa Ana, CA 92707
Tel. (714) 434-9995
(619) 593-6863
Fax (714) 434-9998

SIGNATURE PRINT NAME

INVOICE FOR OVERSIGHT COSTS

fin510a

Send Payment to: State Water Resources Control Board
Underground Storage Tank Local Oversight Program
PO Box 944212
Sacramento, CA 94244-2120

Bill Date: 09/23/94

Local Agency: COUNTY OF ALAMEDA

SITE # 1130

FREEWAY STATION & SERVICE
KIYOUMARS GHOFRANI
2740 98TH AVE
OAKLAND, CA 94605

Site Location:

FREEWAY ARCO STATION
2740 98TH AVE
OAKLAND, CA
94605

Total previously billed	$	182.27
Payment(s) received as of 07/08/94	$	182.00
**New Charges - Billing Period:01/01/94 through 06/30/94	$	96.29
FUND: F Total amount due:	$	96.56

State Health and Safety Code Sections 25297.1 and 25360 and Title 42 of the United States Code Section 6991b(h)(6) require recovery of costs associated with the local oversight program. When your site was put in the local oversight program, you received a letter explaining that the State Water Resources Control Board (State Board) would bill you for public costs of cleanup oversight.

This bill includes site specific and program management charges. Site specific charges directly relate to your site. Examples are sampling for soil and ground water contamination, site inspections, and reviewing reports and workplans. A description of activity codes follows the itemized charges. Program management includes other costs associated with program operation. Such costs may include: space rental, office services and supplies, purchase of sampling equipment, training and the salary and benefits of support personnel (i.e., clerical staff, accountant, program supervisor). Program management charges are calculated at not more than 50 percent of site specific charges. The exact rate is shown on the last page of your bill.

If you received an invoice for a previous billing period, those charges are shown as "Total Previously Billed". Any payments you made on the previous billing are shown as "Payment Received". The total of any unpaid previous balance plus new charges is shown as "Total Amount Due".

** See itemized list of new charges on next page(s).

FOR INFORMATION CALL: LORI CASIAS (916) 227-4325

PAID
ck # 7182
9-27-94

PAYMENT IS DUE IN 30 DAYS

INVOICE FOR OVERSIGHT COSTS

fin510a

Send Payment to: State Water Resources Control Board
Underground Storage Tank Local Oversight Program
PO Box 944212
Sacramento, CA 94244-2120

Bill Date:
05/26/94

Local Agency: COUNTY OF ALAMEDA

SITE # 1130

FREEWAY STATION & SERVICE
KIYOUMARS GHOFRANI
2740 98TH AVE
OAKLAND, CA 94605

Site Location:

FREEWAY ARCO STATION
2740 98TH AVE
OAKLAND, CA
94605

Total previously billed	$	0.00
Payment(s) received as of / /	$	0.00
**New Charges - Billing Period:07/01/93 through 12/31/93	$	182.27
FUND: F — Total amount due:	$	182.27

State Health and Safety Code Sections 25297.1 and 25360 and Title 42 of the United States Code Section 6991b(h)(6) require recovery of costs associated with the local oversight program. When your site was put in the local oversight program, you received a letter explaining that the State Water Resources Control Board (State Board) would bill you for public costs of cleanup oversight.

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** See itemized list of new charges on next page(s).

FOR INFORMATION CALL: LORI CASIAS (916) 227-4325

CK# 6923
6-29-94

SOIL TECH ENGINEERING
Soil, Foundation and Geological Engineers
298 BROKAW ROAD, SANTA CLARA, CA 95050 ■ (408) 496-0265 OR (408) 496-0266

- I N V O I C E -

Invoice Date: 12/16/93
File Number: 7-93-556-SI
Invoice No.: 7-93-556-SI

Mr. Kiyoumars Ghofrani
Freeway Station and Service
2740 98th Avenue
Oakland, California 94605

SUBJECT: PROPOSED WORK PLAN FOR PRELIMINARY SITE ASSESSMENT FOR FREEWAY SERVICE STATION Located at 2740 98th Avenue, in Oakland, California

Billing for Proposed Work Plan for Preliminary Site Assessment as reported December 15, 1993.

Proposed work plan per contract	$1,000.00

Paid

PLEASE NOTE: This is an invoice for professional services and is due upon presentation.

All charges are due now. Please return one copy of invoice with remittance, and make check payable to Soil Tech Engineering, Inc. After 30 days, a carrying charge of 1½% will be assessed on past due balances. This rate is equivalent to an annual of 18% charge.

P.R.C. Patterson, Inc.
DBA Refineries Service
P.O. Box 1167
Patterson, CA 95363
(209) 892-6742
(800) 874-4444

PAGE NO.	INVOICE NO.	APPLY TO	INVOICE DATE	CUST. NO.
1	15150		02/28/94	FREE8
INVOICE			WORK ORDER NO.	B.O.

SOLD TO
FREEWAY SERVICE STATION
2740 98TH AVENUE
OAKLAND, CA 94605

SHIP TO

DATE SHIPPED	PURCHASE ORDER NO.	SHIP VIA	F.O.B.	TERMS
02/24/94	CHECK #6605	B.O.R.		NET 10

BUYER	DATE REQUESTED	LOCATION	SALES PERSON	TERRITORY
	02/24/94	10000	RICHARD DOWNS	BAY AREA

DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
NON RCRA HAZARDOUS WASTE LIQUID	3700	0.50	1850.00
TRANSPORTATION	10.25	65.00	666.25
LAB FEE	1	30.00	30.00
"NICE GUY" DISCOUNT	1	-0.25	-0.25
RT#13814, WT#56901, MANIFEST#93163541			

PLEASE PAY FROM THIS INVOICE
A service fee of 1½ percent per month shall be charged on all past due accounts.
In the event this account becomes delinquent and it is necessary to institute legal proceedings, purchaser agrees to pay reasonable attorney's fee and court cost.

SUB TOTAL		
2546.00		
THANK YOU!	INVOICE NO. 15150	2546.00 PLEASE REMIT

PRC PATTERSON, INC.
dba REFINERIES SERVICE
P.O. Box 1167
Patterson, CA 95363
(209) 892-6742 • (800) 874-4444

PAGE NO.	INVOICE NO.	APPLY TO	INVOICE DATE	CUST. NO.
1	15536		03/31/94	FREES

INVOICE

WORK ORDER NO. B.O.

SOLD TO
FREEWAY SERVICE STATION
2740 98TH AVENUE
OAKLAND, CA 94605

SHIP TO
SAME

DATE SHIPPED	PURCHASE ORDER NO.	SHIP VIA	F.O.B.	TERMS
03/23/94	HYDRO CH 15614	HYDRO CHEM		NET 10

BUYER	DATE REQUESTED	LOCATION	SALESPERSON	TERRITORY
	03/23/94	10000	RICHARD DOWNS	BAY AREA

ITEM NO.	DESCRIPTION	QUANTITY ORDERED	QUANTITY BACK ORD.	QUANTITY SHIPPED	UNIT PRICE	EXTENSION	TAX
	NON RCRA HAZ WEASTE LIQUID	1		1	1302.00	1302.00	

REC'D CHECK # 6661 THANK YOU!
Paid in Full!
Invoice for Your Records only.

RT# 14177, WT# 57505
MANIFEST# 93197188

SUBTOTAL
1302.00
THANK YOU!

1302.00
INVOICE NO.
15536
PLEASE REMIT THIS AMOUNT

ORIGINAL

TANK PROTECT ENGINEERING
Of Northern California, Inc.

(510) 429-8088
(800) 523-8088
FAX (510) 429-8089

PROPOSAL/CONTRACT
FOR
INSTALLATION OF THREE GROUNDWATER MONITORING WELLS

Prepared For:
MR. KIYOUMARS GHOFRANI
FREEWAY STATION AND SERVICE
2740 98TH AVENUE
OAKLAND, CA 94605

Submitted By:
TANK PROTECT ENGINEERING
Of Northern California, Inc.
October 19, 1994

2821 Whipple Road • Union City, California • 94587-1233

PROJECT:

The project consists of installation of 3 groundwater monitorin wells. Based on the information provided in an April 21, 199 Preliminary Site Assessment report prepared by Soil Tec Engineering, Inc., groundwater was encountered at depths rangin from 6 to 12 feet in the soil borings drilled at the subject site This proposal is based on installation of three 22-foot dee groundwater monitoring wells.

LOCATION:

2740 98th Avenue, Oakland, CA 94605

SCOPE OF WORK:

The scope of work for this project includes the following tasks:

TASK 1 - Prepare a workplan.

Prior to commencement of this project, Tank Protect Engineering o Northern California, Inc. (TPE) will prepare a workplan detailin all activities proposed in all tasks for review and approval o appropriate regulatory agencies.

COST:

This task's total cost is $590.00.

TASK 2 - Install three groundwater monitoring wells.

To accomplish this task TPE will:

* Perform prefield activities which may include a site visit, conduct an underground utility survey (i necessary), contact Underground Service Alert, orde materials, schedule drilling equipment, and obtai necessary permits.

* Drill 3 soil borings for construction of groundwate monitoring wells.

* Collect soil samples at about 5-foot depth intervals an changes in lithology for construction of lithologic log and for field-screening by a geologist or engineer fo evidence of hydrocarbons.

* Analyze selected soil samples at a California Department of Health Services (DHS) certified laboratory for tota petroleum hydrocarbons as gasoline (TPHG) and fo benzene, toluene, ethylbenzene, and xylenes (BTEX).

* Construct three 2-inch diameter casing groundwater monitoring wells in the above soil borings.

* Establish the screen placement of the wells. The placement of screen will depend on the geologic soil profile and will be installed to account for shallow groundwater fluctuation, if necessary.

* Install polyvinyl chloride factory slotted well screen and casing.

* Install filter pack, bentonite seal, and grout seal.

* Install locking well cap and vault box.

COST:

This task's total cost will be based on time and material. TPE expects to accomplish this task in 8 hours. Estimated cost based on 8 hours construction of the wells and analyses of 3 soil samples is $3,550.00.

Note: The estimated cost does not include cost of disposal of soil cuttings, auger decontamination rinsate, or cost of disposal of drums containing the soil and rinsate. Disposal of soil, rinsate, and drums is the responsibility of the client. If requested, TPE will assist the client to properly dispose of the soil, rinsate, and drums at an additional cost.

TASK 3 - Sample groundwater monitoring wells.

To accomplish this task TPE will:

* Provide 3 drums.

* Develop the monitoring wells.

* Collect 1 groundwater sample from each well and analyze the samples and 1 trip blank sample at a DHS certified laboratory for TPHG and BTEX.

* Survey top of casing elevation of each well.

COST:

This task's total cost will be based on time and material. The estimated cost of this task is $1,415.00.

Note: The estimated cost does not include cost of disposal of development and/or purge water or cost of disposal of drums containing the water. Disposal of water and drums is the responsibility of the client. If requested, TPE will assist the client to properly dispose of the water and drums at an additional cost.

TASK 4 - Prepare a report.

Upon completion of the above scope of work, TPE will prepare a report documenting results of well installation and data evaluation; and will make conclusions and recommendations.

COST:

This task's total cost is $890.00.

TASK 5 - Conduct monthly water level monitoring.

To accomplish this task TPE will:

* Measure depth-to-groundwater in each well.
* Construct a groundwater gradient map.

COST:

This task's total cost will be based on time and material. The estimated cost of this task is $120.00.

TASK 6 - Conduct quarterly groundwater monitoring.

To accomplish this task TPE will:

* Measure depth-to-groundwater in each well.
* Collect 1 groundwater sample from each well and analyze the samples and a 1 trip blank sample at a DHS certified laboratory for TPHG and BTEX.
* Construct a groundwater gradient map.
* Prepare a letter report documenting the work performed. The report will be signed by a Registered Geologist or Professional Engineer.

COST:

This task's total cost will be based on time and material. The estimated cost of this task for each quarter is $1,080.00.

OWNER SHALL:

* Provide access to sufficient water to complete the project.

* Secure and bar access to the work area and to any hazardous or potentially hazardous material that may be discovered or generated during any of the above scope of work.

* Provide detailed information on underground objects, piping, and utilities in the vicinity, if any, and plans/drawings showing the location of other tanks and associated lines, related to this project. TPE will exercise due diligence to prevent any damage.

* Hold TPE harmless for damages to any subsurface facilities incorrectly located or not located.

PAYMENT SCHEDULE:

TPE requires $2,500.00 at the time of authorization. The actual cost of each task will be billed progressively as each portion of the job is completed. All payments are due upon receipt of each invoice. All estimates are based on the above scope of work and a problem free implementation.

No permitting costs or costs associated with work conducted on City, State, or County property or right-of-ways have been included. These costs may include, but are not limited to: encroachment permits, traffic blockage permits, excavation permits, curb usage permits, and labor costs associated with directing pedestrian and vehicular traffic. The cost of preparing permits, maps, letters, and applications (if required) will be calculated based on time and material.

Difficulties due to unaccounted underground encumbrances or equipment inaccessibility may add to the estimated cost. TPE will stop the work on the project if payments are not received as scheduled. Any cost or damage due to stoppage of the work will be

solely the client's responsibility. Should legal proceedings be instituted by the contractor to obtain payment, the client agrees to pay court/arbitration costs and attorney's fees.

TPE shall follow the scope of the work presented in this proposal/contract in accordance with commonly accepted principles and practices in the industry, ordinarily exercised by members of the profession currently practicing under similar conditions. Should any further work be required by the client or any regulatory agency, TPE will comply as job extra.

Any job arranged and/or coordinated by TPE will be subject to a 15% service fee of total vendors' invoice cost.

It has been our pleasure to prepare this proposal for your company and we look forward to working with you on this project. Should you have any questions or suggestions regarding this proposal, please contact our office.

Sincerely,

Approved By:_____

Title:_____

Date:_____

Jeff Farhoomand, M.S.
Civil Engineer

State Contractor Lic. # 575837

TANK PROTECT ENGINEERING
Of Northern California, Inc.

TIME AND MATERIAL PRICE LIST

The following is a price list for the services and equipment provided by Tank Protect Engineering of Northern California, Inc.

BACKHOE (INCLUDING OPERATOR)	$ 75.00/HR 4 HR MIN
BACKHOE & COMPACTOR (INCL. OPERATOR)	$ 100.00/HR 4 HR MIN
BACKHOE & BREAKER (INCL. OPERATOR)	$ 110.00/HR 4 HR MIN
AIR COMPRESSOR	$ 100.00/DAY
JACKHAMMER	$ 75.00/DAY
IRRIGATION PUMP	$ 100.00/DAY
COMBUSTIBLE GAS DETECTOR	$ 25.00/DAY
WATER LEVEL INDICATOR	$ 25.00/DAY
CONDUCTIVITY/PH/TEMP. METER	$ 25.00/DAY
HANDPUMP	$ 75.00/DAY
TRUCK WITH TOOLS	$ 100.00/DAY
DUMP TRUCK	$ 65.00/HR 4 HR MIN
CONCRETE SAW	$ 50.00/HR 4 HR MIN
REGISTERED CIVIL ENGINEER	$ 85.00/HR 4 HR MIN
REGISTERED GEOLOGIST	$ 85.00/HR
GEOLOGIST	$ 60.00/HR
PROJECT ENGINEER	$ 65.00/HR
FIELD ENGINEER	$ 60.00/HR
FIELD SUPERVISOR	$ 55.00/HR
FOREMAN	$ 50.00/HR
TECHNICIAN	$ 45.00/HR
LABORER	$ 30.00/HR

SOIL/WATER ANALYSES:

TPH-G 8015	$ 85.00 EACH
BTEX 8020	$ 85.00 EACH
TPH-G & BTEX	$ 85.00 EACH
TPH-D	$ 85.00 EACH
CL HC 8010	$ 150.00 EACH
OIL & GREASE	$ 85.00 EACH
AA METALS (5)	$ 125.00 EACH
PURGEABLE ORGANICS BY GC/MS (8240)	$ 250.00 EACH
EXTRACTABLE ORGANICS BY GC/MS (8270)	$ 380.00 EACH

11/01/93

ALL ENVIRONMENTAL, INC.
Environmental Engineering & Construction

September 29, 1994

SOIL AND GROUNDWATER INVESTIGATION PROPOSAL

AT
2740 98th Avenue
Oakland, CA 94605

PROPOSAL 94-298

Prepared for:

Mr. Kiyoumars Ghofrani
2740 98th Avenue
Oakland, CA 94605

Prepared by:

All Environmental, Inc.
2641 Crow Canyon Road, Suite 5
San Ramon, CA 94583

September 29, 1994

Mr. Kiyoumars Ghofrani
2740 98th Avenue
Oakland, CA 94605

re: Soil and Groundwater Investigation at 2740 98th Avenue in Oakland, California.

Dear Mr. Ghofrani:

In response to your request for a proposal to perform a Phase II Investigation at 2740 98th Avenue in Oakland, California, we are pleased to present this proposal. This proposal includes a workplan, permits, drilling, soil sampling, monitoring well installation, monitoring well sampling, and a final report that documents our methods and findings.

All Environmental offers experienced and qualified contracting and consulting services. The staff of All Environmental has performed many Phase II soil and groundwater investigation projects such as yours throughout northern California. This proposal is based upon the requirements found in the document "Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Storage Tank Sites" dated August 10, 1990.

Please review our proposal and if you have any questions, please do not hesitate to contact me at (510) 820-3224.

Sincerely yours,
ALL ENVIRONMENTAL, INC.

Craig Hertz

Craig H. Hertz
Vice President

1.0 INTRODUCTION

All Environmental Inc. (AEI) has prepared this work plan on behalf of Mr. Kiyoumars Ghofrani, in response to his request for a soil and groundwater investigation proposal. This proposal describes activities to be performed to determine whether petroleum hydrocarbons from the underground storage tanks have impacted groundwater at the subject site.

2.0 AEI'S CAPABILITIES

The staff at AEI has many years as experienced contractors and are familiar with all aspects associated with the removal of underground storage tanks. All of our construction projects are supervised by qualified engineers and geologists who know how to interact productively with the clients, regulatory inspectors, and any agents involved in the project. All aspects in our field operations are conducted by trained technicians who are certified per the mandatory 40 hour training safety program as specified in the OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910). Our staff includes a California State registered Professional Chemical Engineer, Civil Engineer, Mechanical Engineer, and an Engineering Geologist. AEI holds a Class A Contractors License (# 654919), with a Hazardous Substance Removal and Remedial Action Certificate.

"Contractors are required by law to be licensed and regulated by the Contractors' State License Board. Any questions concerning a contractor may be referred to the Registrar, Contractors' State License Board, 3132 Bradshaw Road, Sacramento, California. Mailing Address: P.O. Box 26000, Sacramento, California 95826."

3.0 PROPOSED SOIL AND GROUNDWATER INVESTIGATION

All Environmental has outlined the following scope of work to follow the conclusions from the Preliminary Site Assessment performed by Soil Tech Engineering.

Task 1: Locate Underground Utilities and Obtain Access and Permits for Off-Site Drilling Locations

AEI will obtain the necessary permits for the drilling and well installation. This includes obtaining a well permit from Zone 7 Water Agency.

All Environmental will call USA to locate utilities in the public right of way.

Task 5: Evaluation of Data and Report Preparation

All Environmental will prepare a written final report that details the methods and findings of the soil and groundwater investigation. This technical report includes boring logs, tables, figures with drilling locations, laboratory analyses, conclusions and recommendations.

Copies of the final report will be submitted to all of the appropriate agencies. (Alameda County Health Services Dept., Regional Water Quality Control Board and the Alameda County Water District)

Task 6: Waste Management

Drill cuttings and purged groundwater will be stored on site in sealed 55 gallon drums. A cost for the disposal of the drummed soil and groundwater will be supplied upon the receival of laboratory analyses.

4.0 ESTIMATED SCHEDULE

Activities associated with the proposed soil and groundwater investigation will begin following approval of the workplan by the local agency. All work will be performed within approximately 21 days after receiving the signed Authorization to Proceed.

5.0 COST

All Environmental will perform the outlined scope of work for the fixed price of $9,740.00 based on the following assumptions.

Assumptions

- No underground utilities are encountered.
- No disposal of waste materials.
- Any additional soil samples will be billed at cost plus 15%. ≐ $115.— g, BTEX, Pb.
- No more than one day in the field for drilling and hand augering.

6.0 TERMS AND CONDITIONS

30% of the contract amount will be due with the authorization to proceed, 60% upon completion of the field work, and 10% upon presentation of the final report. Client agrees to pay interest (1.5%) per month on any and all balances not paid by the date of receiving the final report. Client will also agree to pay court costs, attorney fees, and any expenses incurred by All Environmental in the event the client does not pay the final invoice and litigation or collection procedures begin.

Task 2: Hand Auger Four Borings and Collect Soil Samples

All Environmental will perform three soil borings using a hollow stem augering that will be directed from near the tank locations. Soil borings will be continuously logged onsite by a professionally registered geologist using the Unified Soil Classification System. Undisturbed soil samples will be taken at 5 foot intervals, starting at a depth of 5 feet, with a hammer driven California Modified split spoon sampler. The sampler will be advanced ahead of the auger tip by successive hammer blows. The soil borings will be extended to a depth of approximately 20 feet.

All Environmental will perform soil borings to determine the lateral extent of the contamination from the gasoline storage tanks. These soil borings will be extended to a depth of 10 feet.

The soil samples will be secured using aluminum foil, teflon caps and sealed with duct tape. The samples will be put on ice and transported, under chain of custody procedures to the All Environmental office. The samples will be placed in a refrigerator, until the samples are picked up by Priority Environmental Labs personnel.

Task 3: Install Three 2" Monitoring Wells

Following the recommendations as outlined in a letter by the Alameda County Health Care Services Agency three groundwater monitoring wells will be installed. The monitoring wells will be installed to a depth of 20 feet using hollow stem auger drilling equipment.

The top of the casing elevation of the monitoring wells will be surveyed to the nearest .01 ft so that the groundwater elevation in the wells can be measured to provide additional data on the groundwater flow direction and gradient. AEI will develop the wells, purge the wells and sample the groundwater from each well.

Strict chain of custody protocol will be followed in all phases of sampling and transportation.

Task 4: Laboratory Analyses

Soil and groundwater samples will be submitted to a state certified laboratory for chemical analyses. Four soil samples and two groundwater samples (one each from the three monitoring wells) will be analyzed for TPH-gasoline (EPA 5030/8015), BTEX (EPA 8020), and Total Lead (AA). Two soil samples and one groundwater sample will be analyzed for TPH-gasoline (EPA 5030/8015), TPH-diesel (EPA 3550/8015), BTEX (EPA 8020), Oil & Grease (EPA 5520 E&F), Total Lead, Total Cadmium, Total Chromium, Total Nickel, Total Zinc and Purgeable Halocarbons (EPA 8010).

AUTHORIZATION TO PROCEED

Sign and Return to:

All Environmental, Inc.
2641 Crow Canyon Road, Suite 5
San Ramon, CA 94583

Client: Mr. Kiyoumars Ghofrani
2740 98th Avenue
Oakland, CA 94605

re: Proposal 94-298

_____ authorizes the scope of work as outlined in this proposal either through an agent or on their own accord.

Client:_____
Signature:_____
Title:_____
Date:_____

All Environmental, Inc.

Name: Craig Hertz
Signature: Craig Hertz
Date: 9/29/94

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

October 27, 1994

Mr. Kiyoumars Ghofrani
Freeway Station & Service
2740 98th Ave.
Oakland, CA 94605

STID 1130

Re: Requirements for the State Trust Fund committment letter for site located at 2740 98th Ave., Oakland, California

Dear Mr. Ghofrani,

Based on a financial review of your State Trust Fund claim by the State Board, you are eligible to receive a "Letter of Commitment" for this fund. **However**, during the State's recent file review, the State determined that you are not currently in compliance with the requirements for investigations and cleanup at your site.

On July 8 and August 10, 1994, this office sent you letters requiring you to submit a Preliminary Site Assessment work plan, documentation for the fate of excavated soil, and information on the former oil spill at the site.

To this date, this office has not received any of the above documents. You are required to submit the Preliminary Site Assessment work plan, along with the other requested information, to this office within 90 days of the date of this letter, or by **January 19, 1995. If the work plan is not bid, contracted for, and prepared within the given timeframe, the State Board cannot provide you with a "Letter of Commitment" for funding. Additionally, if you do not submit the work plan by the given due date, steps will have to be taken to remove your claim from the underground storage tank cleanup fund priority list.**

On June 18, 1993, soil samples collected from beneath the piping identified up to 2,900 parts per million (ppm) Total Petroleum Hydrocarbons as gasoline (TPHg). Further investigations conducted in March 1994 identified up to 1,500 ppm TPHg in soil samples and 990,000 parts per billion (ppb) in ground water samples.

Guidelines established by the California Regional Water Quality Control Board (RWQCB) require that soil and ground water investigations be conducted when there is evidence to indicate that a release from an UST will impact or may have impacted the ground water.

The required Preliminary Site Assessment (PSA) shall address the delineation of the lateral and vertical extent and severity of soil and ground water contamination resulting from the release at the site. The information gathered by the PSA will be used to determine an appropriate course of action to remediate the site, if deemed necessary. The PSA must be conducted in accordance with the RWQCB's Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks, and be consistent with requirements set forth in Article 11 of Title 23, California Code of Regulations. The major elements of such an investigation are summarized in the attached **Appendix A**. The major elements of the guidelines include, but are not limited to, the following:

- At least one ground water monitoring well must be installed within 10 feet of the observed soil contamination in the tank pit, oriented in the confirmed downgradient direction relative to ground water flow. In the absence of data identifying the confirmed downgradient direction, a minimum of three wells will be required to verify gradient direction. During the installation of these wells, soil samples are to be collected at five-foot-depth intervals and any significant changes in lithology.

- Subsequent to the installation of the monitoring wells, these wells must be surveyed to an established benchmark, with an accuracy of 0.01 foot. Ground water samples are to be collected and analyzed quarterly, and water level measurements are to be collected monthly for the first three months, and then quarterly thereafter. If the initial ground water elevation contours indicate that ground water flow directions vary greatly than you will be required to continue monthly water level measurements until the ground water gradient behavior is known. Both soil and ground water samples must be analyzed for the appropriate fuel contaminants listed in Table 2 of the RWQCB's Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks.

This Department will oversee the assessment and remediation of your site. Our oversight will include the review of and comment on work proposals and technical guidance on appropriate investigative approaches and monitoring schedules. The issuance of well drilling permits, however, will be through the Alameda County Flood Control and Water Conservation District, Zone 7, in Pleasanton, The RWQCB may choose to take over as lead agency if it is determined, following the completion of the initial assessment, that there has been a substantial impact to ground water.

Once the proposal is approved, field work should commence within 60 days. A report must be submitted within 45 days after completing field work. Subsequent reports are to be submitted quarterly until this site qualifies for final RWQCB "sign-off". Such quarterly reports are due the first day of the second month of each subsequent quarter.

The referenced initial and quarterly reports must describe the status of the investigation and must include, among others, the following elements:

- Details and results of all work performed during the designated period of time: records of field observations and data, boring and well construction logs, water level data, chain-of-custody forms, laboratory results for all samples collected and analyzed, tabulations of free product thicknesses and dissolved fractions.
- Status of ground water contamination characterization
- Interpretations of results: water level contour maps showing gradients, free and dissolved product, plume definition maps for each target component, geologic cross sections, etc.
- Recommendations or plans for additional investigative work or remediation

Please be advised that this is a formal request for a work plan pursuant to **Section 2722 (c)(d) of Title 23 California Code of Regulations**.

If you have any questions or comments, please contact me at (510) 567-6700.

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

ATTACHMENT

cc: Edgar Howell

STATE OF CALIFORNIA - CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, *Governor*

STATE WATER RESOURCES CONTROL BOARD

DIVISION OF CLEAN WATER PROGRAMS
2014 T STREET, SUITE 130
P.O. BOX 944212
SACRAMENTO, CALIFORNIA 94244-2120
(916) 227-4512
(916) 227-4530 (FAX)

HAZMAT
94 OCT 12 AM 11:44

OCT 0 6 1994

STID 1130

Tom Peacock
Environmental Health Department
1131 Harbor Bay Pkwy, 2nd Floor
Alameda, CA 94502-6577

Dear Mr. Peacock:

Thank you for allowing me to review your files, and for the assistance provided to me during my visit to your agency on September 27, 1994. As you know, the indepth reviews are a very important component of the UST Cleanup Fund Program and we have found that the local regulatory agency files are crucial in determining the eligibility of a claim.

During my review, one site was found to be out of compliance. Corrective action compliance is a requirement of the Fund before a claimant may receive a Letter of Commitment. The site address is: 2740 98th Ave., Oakland. The last directive I recorded was given on July 8, 1994, and August 10, 1994 where Juliet Shin required a Preliminary Site Assessment and requested a workplan. As of September 27, 1994, either your office had not received a workplan, or it was not in the file. I noted from the file that on August 15, 1994, Mr. Ghofrani notified your office that he was going out to bid. I will not sign off on the site until you have received a signed contract and a workplan.

Please request Juliet Shin to write a 90-day letter to Mr. Ghofrani requiring him to submit the documentation which was requested in Juliet's July 8, and August 10, 1994 letters. Ninety days are used by the Cleanup Fund as a standard to allow claimants to come back into compliance with County directives; however, it is not necessary for you to allow the full 90 days especially since the request was made in July, 1994. Please send me a copy of the letter that you write to Mr. Ghofrani, and inform me when you receive a signed contract and a workplan. I would like to stay in close contact with you on this case. You will be receiving copies of the Letter of Commitment on the other claims that were deemed in compliance.

If you have any questions, please feel free to call me at (916) 227-4539. Thanks again for your assistance.

Sincerely,

Cheryl Gordon

Cheryl Gordon, Analyst
Underground Storage Tank Cleanup Fund

cc: Juliet Shin

STATE WATER RESOURCES CONTROL BOARD
DIVISION OF CLEAN WATER PROGRAMS
2014 T STREET, SUITE 130
P.O. BOX 944212
SACRAMENTO, CALIFORNIA 94244-2120
(916) 227-4512
(916) 227-4530 (FAX)

OCT 0 6 1994

Tom Peacock
Environmental Health Department
1131 Harbor Bay Pkwy, 2nd Floor
Alameda, CA 94502-6577

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If you have any questions, please feel free to call me at (916) 227-4539. Thanks again for your assistance.

Sincerely,

Cheryl Gordon

Cheryl Gordon, Analyst
Underground Storage Tank Cleanup Fund

cc: Juliet Shin

2740 98th Avenue
Oakland, CA 94605

Freeway
Station & Service

(510) 562-4505

94 AUG 15 PM 2:13

August 9, 1994

To: Alameda County Health Care Service Agency

Dear Ms. Juliet Shin,

I received you letter on the date of july 8.1994. asking for more investigation of my land, i am working on it. To the accordance of the state fund regulation I must get the best bid from different eight assignments.

Regarding you question about the 1989 oil leak. there was none it was actually a oils spill during the removing of waste oil. and to be sure that our tanks are not leaking we conduct a tank test every year as like the one attached for the current year.

The excavated soil is still in my lot and i"d like to keep it there for my own use in the future.

Has this been reported? Was sampling conducted?

Sincerely.
K. Ghofrani

AINLAY TANK TIGHTNESS TEST No. 1 (Waste Oil)

TESTER Benjamin F. Duncan Jr. TEST COMPANY Emerald River Testing

JOB Ivoway Rino DATE 8/1/94

ADDRESS 7740 92nd Ave.

10 TANK I.D.

INCLUDE ENOUGH INFO. TO ACCURATELY IDENTIFY TANK. (NUMBER/CONTENTS/POSITION, ETC.)

TANK DIAMETER 45" INS FILL PIPE LENGTH 25" INS

11 WATER IN TANK

(a) START WATER IN TANK ¢ INS (c) END WATER IN TANK ¢ INS

(b) START WATER IN TANK ¢ GALS (d) END WATER IN TANK ¢ GALS

12 PRODUCT VOLUME

(a) NOMINAL CAPACITY 500 GALS

(b) ACTUAL CAPACITY (FROM TANK CHART) 523 GALS

(c) DEDUCT WATER IN TANK ¢ GALS

(d) TOTAL PRODUCT VOL. 523 GALS

(e) PIPING 10 GALS

(f) TOTAL 533 GALS

13 FILL PIPE EXTENSION

(a) HEIGHT OF WATER TABLE ABOVE TANK BOTTOM = ¢ (h) INS

(b) DENSITY OF TANK PRODUCT = .031 (w) LB/CU. IN. (FROM TABLES)

DENSITY OF EXTERNAL WATER = 0.036 LB/CU. IN.

(c) ADDITIONAL HEAD REQUIRED = $\frac{(h) \times 0.036}{(w)}$ = $\frac{\times 0.036}{.031}$ = ¢ INS

NOTE:
TO AVOID POSSIBLE TANK DAMAGE THE ADDED PRESSURE FROM A FILL PIPE EXTENSION MUST NEVER EXCEED 5 P.S.I.

14 PRELIM TEST DATA

(a) A.P.I. GRAVITY 18.8 AT 74.5 °F

(b) A.P.I. GRAVITY 27.8 AT 60°F

(c) COEFF. OF EXPANSION .00043628

15 TEST DATA

(a) START TEST 5:20 AM (PM) END TEST 6:50 AM (PM) TEST TIME 90 MINS.

(b) TEMPERATURE CHANGE DURING TEST = (SLOPE OF "BEST FIT" LINE) × (TEST TIME)

Start Temp. 74.7477 End Temp. 74.7532 = .00006 × 90 = ±.005 °F.

(c) VOL. CHANGE DUE TO TEMP = PRODUCT VOL × TEMP. CHANGE × COEFF. EXP.

= 533 (12f) × ±.005 (15b) × .00043628 (14c) = ±.001 GALS.

(d) TOTAL LIQUID VOL. ADDED/SUBTRACTED AT END OF TEST..... ±.020 GALS.

(e) VOL. CHANGE NOT DUE TO TEMP [(c) + (d)]..... = ±.001 + ±.020 = ±.021 GALS.

(f) LEAK RATE = $\frac{(e) \times 60}{\text{TIME OF TEST (MINS)}}$ = $\frac{\pm .021 \times 60}{90}$ (15a) = ±.014 G.P.H.

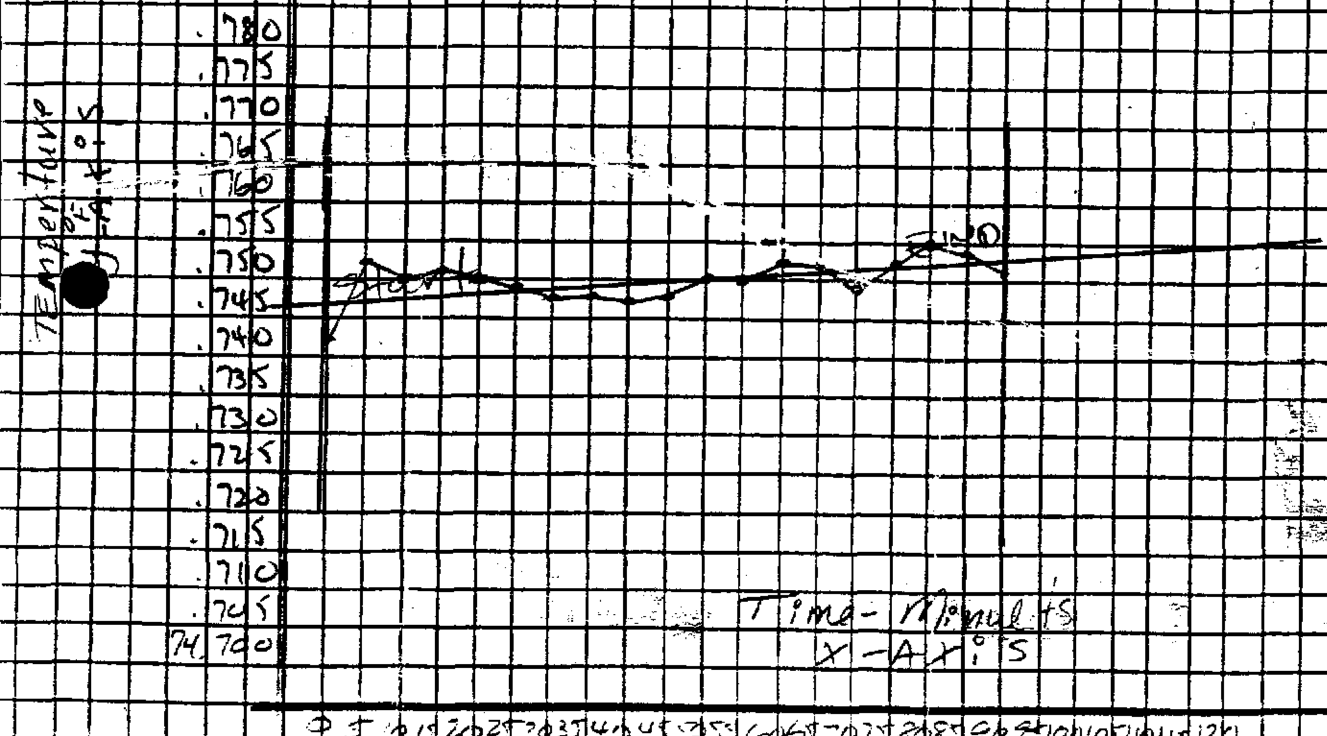
THIS LEAK RATE DOES/DOES NOT EXCEED THE STANDARD OF 0.050 G.P.H. DESCRIBED IN NATIONAL FIRE PROTECTION ASSOC. BULLETIN N.F.P.A. 329.

THE TANK IS TIGHT ☒ / THE TANK IS NOT TIGHT ☐

16 NOTES

Technician: Benjamin F. Duncan Jr. Lic.# 92-1120

(TANK #1 WATER OIL)
END Temp. − Start Temp. ÷ Time-Minutes
Slope of Best Fit Line = 74.7532 − 74.7477
90 = .00006 × 90 = +.005 = Slope Value

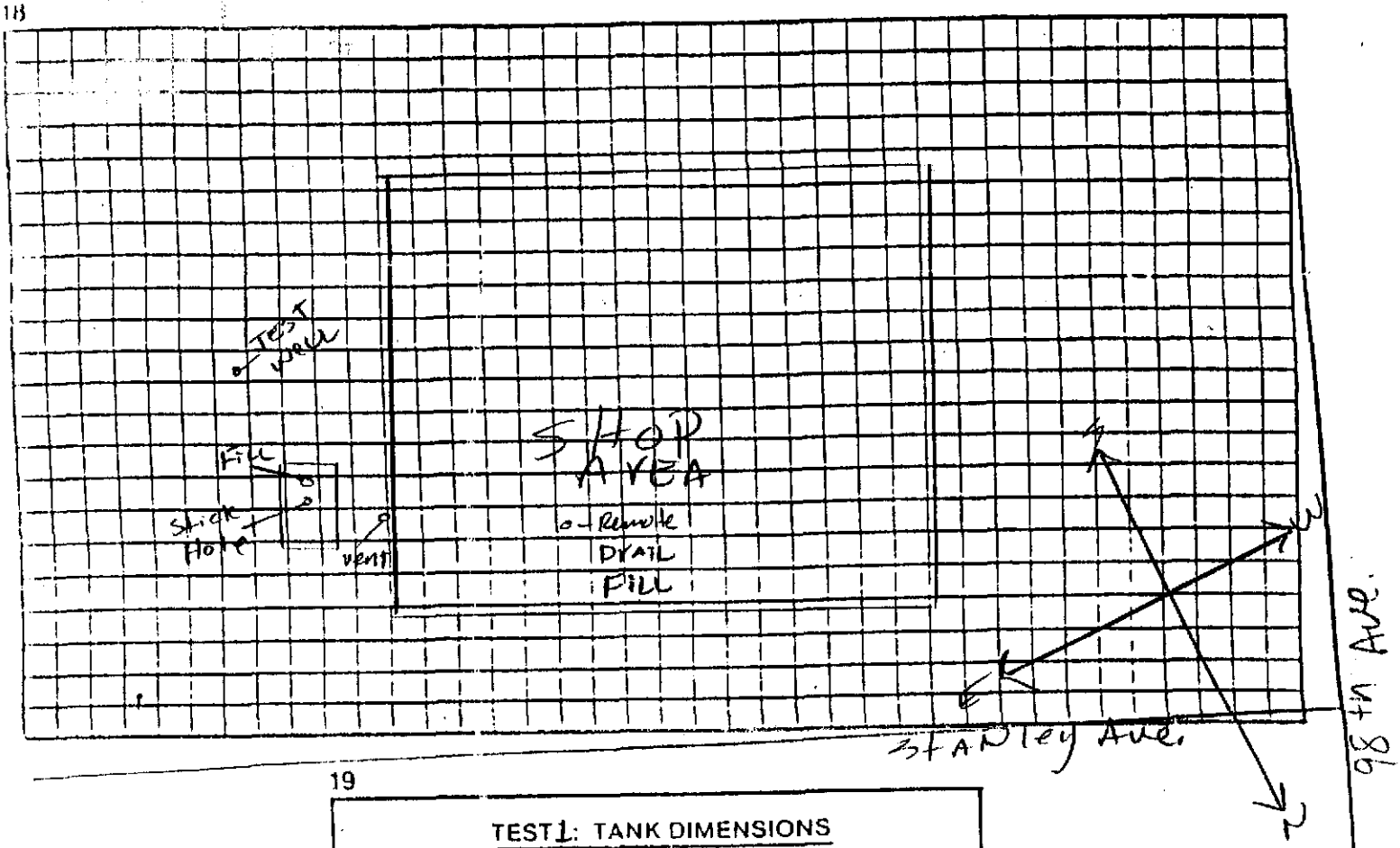


17 VOLUMETRIC TABULATION

(A) TIME (MINUTES)	(B) AVERAGE TEMPERATURE	VOLUME (C) BEFORE	(D) AFTER	(E) VOLUME CHANGE + / - (c - d)	(F) CUMULATIVE VOLUME
1720 0	74.7424	0) ¢	—	—	—
1725 5	.7522	15) ¢	+.004	+.004	+.004
1730 10	.7502	30) ¢	+.008	+.008	+.012
1735 15	.7516	45) ¢	+.006	+.006	+.018
1740 20	.7503	60) ¢	+.002	+.002	+.020
1745 25	.7490	75) ¢	¢	¢	+.020
1750 30	.7489	90) ¢	¢	¢	+.020
1755 35	.7485				
1800 40	.7475				
1805 45	.7482				
1810 50	.7501				
1815 55	.7506				
1820 60	.7522				
1825 65	.7528				
1830 70	.7497				
1835 75	.7521				
1840 80	.7557				
1845 85	.7549				
1850 90	.7514				

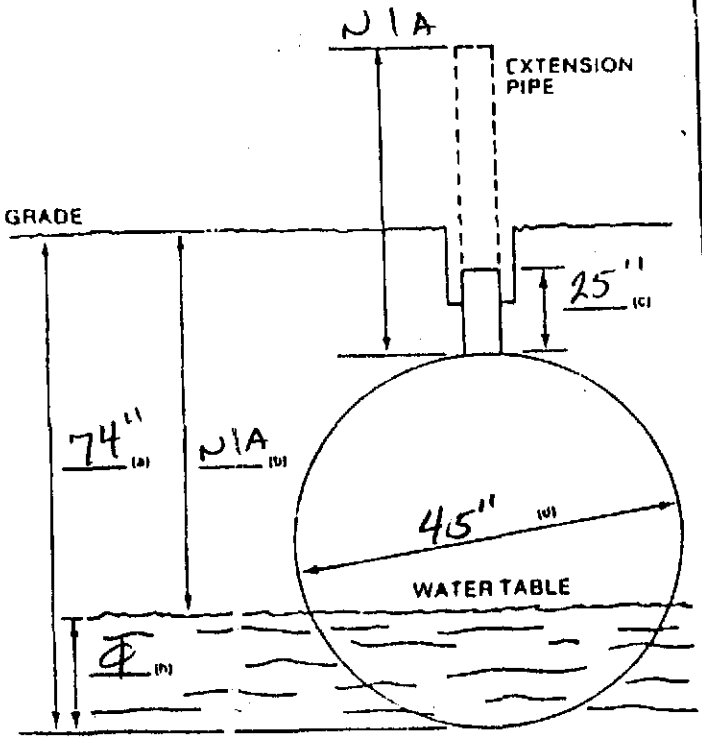
18

TEST SITE LAYOUT



19

TEST 1: TANK DIMENSIONS



Test well shows Ground water level at - 18'10" From Grade.

TANK IDENT. Steel - 45" x 76"

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

Alameda County CC 4580
Health Care Services Agency
Dept. Of Environmental Health
1131 Harbor Bay Pkwy 2nd Flr.
Alameda, CA 94502-6577

August 10, 1994

Mr. Kiyoumars Ghofrani
Freeway Station & Service
2740 98th Ave.
Oakland, CA 94605

STID 1130

Re: Investigations at 2740 98th Ave., Oakland, CA

Dear Mr. Ghofrani,

On July 8, 1994, this office sent you a letter requiring you to submit documentation showing the fate of excavated soil, and additional information regarding the waste oil release at the site in 1989, by July 25, 1994. To this date, this office has not received this information. You are required to submit this information **within 20 days of the date of this letter**, or **by August 30, 1994.**

Additionally, please be reminded that, per the County's July 8, 1994 letter, you are required to have the Preliminary Site Assessment work plan submitted to this office by September 2, 1994. Any requests for extensions of the due dates, or modifications of the required tasks, must be submitted in writing.

If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,

Juliet Shin
Hazardous Materials Specialist

cc: Frank Hamedi-Fard
Soil Tech Engineering, Inc.
298 Brokaw Road
Santa Clara, CA 95050

Donna Turlotte
State Water Resources Control Board
Division of Clean Water Programs
P.O. Box 944212
Sacramento, CA 94244-2120

Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

July 8, 1994

Mr. Kiyoumars Ghofrani
Freeway Station & Service
2740 98th Avenue
Oakland, CA 94605

STID 1130

Re: Required investigations at 2740 98th Avenue, Oakland, CA

Dear Mr. Ghofrani,

This office has received and reviewed Soil Tech Engineering's Preliminary Site Assessment Report, dated April 21, 1994. Total Petroleum Hydrocarbons as gasoline (TPHg) at 1,500 parts per million (ppm) was identified at 9 feet below ground surface (bgs) and 220 ppm TPHg was identified at 15 feet bgs from Boring 1. Additionally, **very elevated** levels of ground water contamination, at 990,000 parts per billion (ppb) TPHg and 11,000 ppb benzene were identified in the ground water sample collected from Boring 1.

Guidelines established by the California Regional Water Quality Control Board (RWQCB) require that soil and ground water investigations be conducted when there is evidence to indicate that a release from an UST will impact or may have impacted the ground water.

You are required to conduct a **Preliminary Site Assessment (PSA)** to determine the lateral and vertical extent and severity of **both soil and ground water** contamination resulting from the release at the site. The information gathered by the PSA will be used to determine an appropriate course of action to remediate the site, if deemed necessary. The PSA must be conducted in accordance with the RWQCB's Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks, and be consistent with requirements set forth in Article 11 of Title 23, California Code of Regulations. The major elements of such an investigation are summarized in the attached **Appendix A.** The major elements of the guidelines include, but are not limited to, the following:

- At least one permanent ground water monitoring well must be installed within 10 feet of the observed soil contamination, oriented in the confirmed downgradient direction relative to groundwater flow. In the absence of neighboring monitoring wells located within 100 feet of the site, or any other data identifying the confirmed downgradient direction, a minimum of three wells will be

required to verify gradient direction. During the installation of these wells, soil samples are to be collected at five-foot-depth intervals and any significant changes in lithology.

- Subsequent to the installation of the monitoring wells, these wells must be **surveyed to an established benchmark**, (i.e., Mean Sea Level) with an accuracy of 0.01 foot. Ground water samples are to be collected and analyzed quarterly, and water level measurements are **to be collected monthly for the first three months**, and then quarterly thereafter. If the initial ground water elevation contours indicate that ground water flow directions vary greatly than you will be required to continue monthly water level measurements until the ground water gradient behavior is known. **Both soil and ground water samples must be analyzed for TPHg and BTEX. Additionally, due to the waste oil tank release in 1989, ground water samples collected from near the waste oil tank must be analyzed for all the waste oil tank constituents listed in Table 2, RWQCB's Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks.**

This Department will oversee the assessment and remediation of your site. Our oversight will include the review of and comment on work proposals and technical guidance on appropriate investigative approaches and monitoring schedules. The issuance of well drilling permits, however, will be through the Alameda County Flood Control and Water Conservation District, Zone 7, in Pleasanton. The RWQCB may choose to take over as lead agency if it is determined, following the completion of the initial assessment, that there has been a substantial impact to ground water.

In order to properly conduct a site investigation, you are required to obtain professional services of a reputable environmental consultant. **All reports and proposals must be submitted under seal of a California-Registered Geologist, -Certified Engineering Geologist, or -Registered Civil Engineer.**

The PSA proposal is due within 60 days of the date of this letter. Once the proposal is approved, field work should commence within 60 days. A report must be submitted within 45 days after the completion of this phase of work at the site. Subsequent reports are to be submitted quarterly until this site qualifies for final RWQCB "sign-off". Such quarterly reports are due the first day of the second month of each subsequent quarter.

The referenced initial and quarterly reports must describe the status of the investigation and must include, among others, the following elements:

- Details and results of all work performed during the designated period of time: records of field observations and data, boring and well construction logs, water level data, chain-of-custody forms, laboratory results for all samples collected and analyzed, tabulations of free product thicknesses and dissolved fractions, etc.
- Status of ground water contamination characterization.
- Interpretations of results: water level contour maps showing gradients, free and dissolved product plume definition maps for each target component, geologic cross sections, etc.
- Recommendations or plans for additional investigative work or remediation.

Please be advised that this is a formal request for a work plan pursuant to **Section 2722 (c)(d) of Title 23 California Code of Regulations.** Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or RWQCB.

Please provide more information on the waste oil tank leak in 1989. Did this leak occur from the current waste oil tank? How much oil was noted to have leaked? Please submit all information on this leak **within 15 days** of the date of this letter.

Lastly, you are required to submit documentation for the fate of excavated soil during the product piping sampling and overexcavation. **This documentation must be submitted within 15 days** of the date of this letter.

If you have any questions or comments, please contact me at (510) 337-9331.

Sincerely,

Juliet Shin
Hazardous Materials Specialist

ATTACHMENT

cc: Frank Hamedi-Fard
Soil Tech Engineering, Inc.
298 Brokaw Road
Santa Clara, CA 95050

Donna Turlotte
State Water Resources Control Board
Division of Clean Water Programs
P.O. Box 944212
Sacramento, CA 94244-2120

Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

Alameda County CC 4580
Health Care Services Agency
Dept. Of Environmental Health
1131 Harbor Bay Pkwy 2nd Flr.
Alameda, CA 94502-6577

August 10, 1994

Mr. Kiyoumars Ghofrani
Freeway Station & Service
2740 98th Ave.
Oakland, CA 94605

STID 1130

Re: Investigations at 2740 98th Ave., Oakland, CA

Dear Mr. Ghofrani,

On July 8, 1994, this office sent you a letter requiring you to submit documentation showing the fate of excavated soil, and additional information regarding the waste oil release at the site in 1989, by July 25, 1994. To this date, this office has not received this information. You are required to submit this information **within 20 days of the date of this letter**, or **by August 30, 1994.**

Additionally, please be reminded that, per the County's July 8, 1994 letter, you are required to have the Preliminary Site Assessment work plan submitted to this office by September 2, 1994. Any requests for extensions of the due dates, or modifications of the required tasks, must be submitted in writing.

If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,

Juliet Shin
Hazardous Materials Specialist

cc: Frank Hamedi-Fard
Soil Tech Engineering, Inc.
298 Brokaw Road
Santa Clara, CA 95050

Donna Turlotte
State Water Resources Control Board
Division of Clean Water Programs
P.O. Box 944212
Sacramento, CA 94244-2120

√Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

December 30, 1993

Mr. Kiyoumars Ghofrani
Freeway Station & Service
2740 98th Avenue
Oakland, CA 94605

STID 1130

Re: Work plan for investigations at 2740 98th Avenue, Oakland, California

Dear Mr. Ghofrani,

This office reviewed Soil Tech Engineering's work plan, dated December 15, 1993. This work plan is acceptable with the following requirements/reminders:

- A minimum of two soil samples from each boring must be analyzed at a certified laboratory;
- In addition to analyzing the ground water sample for Total Petroleum Hydrocarbons as gasoline and benzene, toluene, ethylbenzene, and xylenes, you are required to analyzed the water sample for lead.

Lastly, you are required to complete the attached Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report and submit it to this office **within 15 days** of the date of this letter. 1 Received Jan '94

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,

Juliet Shin
Hazardous Materials Specialist

cc: Frank Hamedi-Fard
Soil Tech Engineering, Inc.
298 Brokaw Road
Santa Clara, CA 95050

Edgar Howell-File(JS)

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

EMERGENCY ☐ YES ☒ NO

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

REPORT DATE 12/16/93

CASE #

FOR LOCAL AGENCY USE ONLY

I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.

ALCO HAZMAT

SIGNED 94 JAN 14 AM 11:47 DATE 1/14/94

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: Kiyoumars Ghofrani

PHONE: (510) 562-4505

SIGNATURE: X

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

COMPANY OR AGENCY NAME: Freeway Station & Service

ADDRESS: 2740 98th Avenue (STREET) Oakland (CITY) CA (STATE) 94605 (ZIP)

RESPONSIBLE PARTY

NAME: Freeway Station & Service ☐ UNKNOWN

CONTACT PERSON: Kiyoumars Ghofrani

PHONE: (510) 562-4505

ADDRESS: 2740 98th Avenue (STREET) Oakland (CITY) CA (STATE) 94605 (ZIP)

SITE LOCATION

FACILITY NAME (IF APPLICABLE): Freeway Station & Service

OPERATOR: Kiyoumars Ghofrani

PHONE: (510) 562-4505

ADDRESS: 2740 98th Avenue (STREET) Oakland (CITY) Alameda (COUNTY) 94605 (ZIP)

CROSS STREET: Stanley Avenue

IMPLEMENTING AGENCIES

LOCAL AGENCY AGENCY NAME: Alameda County Health Care Services Agency

CONTACT PERSON: Ms. Juliet Shin

PHONE: (510)271-4530

REGIONAL BOARD: Regional Water Quality Control Board- San Francisco Region

PHONE: (510)286-1055

SUBSTANCES INVOLVED

(1) NAME: Gasoline — QUANTITY LOST (GALLONS): ☒ UNKNOWN

(2) [redacted] — ☒ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED: 06/18/93

HOW DISCOVERED: ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☐ TANK REMOVAL ☒ OTHER During Pipe Replacement

DATE DISCHARGE BEGAN: ☒ UNKNOWN

HAS DISCHARGE BEEN STOPPED ? ☒ YES ☐ NO IF YES, DATE 06/18/93

METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)

☐ REMOVE CONTENTS ☐ CLOSE TANK & REMOVE ☐ REPAIR PIPING ☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☐ CHANGE PROCEDURE ☐ REPLACE TANK ☒ OTHER Pipe Relacement

SOURCE/CAUSE

SOURCE OF DISCHARGE: ☒ TANK LEAK ☒ UNKNOWN ☒ PIPING LEAK ☒ OTHER

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

CASE TYPE

CHECK ONE ONLY

☐ UNDETERMINED ☐ SOIL ONLY ☒ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY

☐ NO ACTION TAKEN ☒ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION
☐ LEAK BEING CONFIRMED ☐ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS
☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)

☐ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT)
☐ CAP SITE (CD) ☒ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS)
☐ CONTAINMENT BARRIER (CB) ☐ NO ACTION REQUIRED (NA) ☐ TREATMENT AT HOOKUP (HU) ☐ VENT SOIL (VS)
☐ VACUUM EXTRACT (VE) ☐ OTHER (OT)

COMMENTS

HSC 05 (8/90)

INSTRUCTIONS

EMERGENCY
Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY
To avoid duplicate notification pursuant to Health and Safety code Section 25180.5, a government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY
Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

RESPONSIBLE PARTY
Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION
Enter information regarding the tank facility. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES
Enter names of the local agency and Regional Water Quality Control Board involved.

SUBSTANCES INVOLVED
Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT
Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE
Indicate source(s) of leak. Check box(es) indicating cause of leak.

CASE TYPE
Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

CURRENT STATUS
Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil. Descriptions of options follow:

No Action Taken - No action has been taken by responsible party beyond initial report of leak.
Leak Being Confirmed - Leak suspected at site, but has not been confirmed.
Preliminary Site Assessment Workplan Submitted - workplan/proposal requested of/submitted by responsible party to determine whether ground water has been, or will be, impacted as a result of the release.
Preliminary Site Assessment Underway - implementation of workplan.
Pollution Characterization - responsible party is in the process of fully defining the extent of contamination in soil and ground water and assessing impacts on surface and/or ground water.
Remediation Plan - remediation plan submitted evaluating long term remediation options. Proposal and implementation schedule for appropriate remediation options also submitted.
Cleanup Underway - implementation of remediation plan.
Post Cleanup Monitoring in Progress - periodic ground water or other monitoring at site, as necessary, to verify and/or evaluate effectiveness of remedial activities.
Case Closed - regional board and local agency in concurrence that no further work is necessary at the site.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION
Indicate which action have been used to cleanup or remediate the leak. Descriptions of options follow;

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.
Containment Barrier - install vertical dike to block horizontal movement of contaminant.
Excavate and Dispose - remove contaminated soil and dispose in approved site.
Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).
Remove Free Product - remove floating product from water table.
Pump and Treat Groundwater - generally employed to remove dissolved contaminants.
Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.
Replace Supply - provide alternative water supply to affected parties.
Treatment at Hookup - install water treatment devices at each dwelling or other place of use.
Vacuum Extract - use pumps or blowers to draw air through soil.
Vent Soil - bore holes in soil to allow volatilization of contaminants.
No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION
If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies intact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Clean Water Programs, Underground Storage Tank Program, P.O. Box 944212, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or their designee to receive Proposition 65 notifications.
5. Owner/responsible party.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

December 8, 1993

Mr. Kiyoumars Ghofrani
Freeway Station & Service
2740 98th Avenue
Oakland, CA 94605

STID 1130

Re: Investigations at 2740 98th Avenue, Oakland, California

Dear Mr. Ghofrani,

On October 5, 1993, this office sent you a letter requiring you to submit a work plan addressing soil and ground water investigations at the above site. You were required to submit this work plan by November 19, 1993. To this date, this office has received no work plan and no correspondence as to the reason why you are delinquent in your submittal of this plan.

You are required to submit the required work plan within 30 days of the date of this letter. This is a formal request for a technical report pursuant to **Section 2722 (c), Article 11, Title 23 California Code of Regulations.**

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,

Juliet Shin
Hazardous Materials Specialist

cc: David C. Lambert
Northwest Environ
1800 Tribute Rd., Ste 101
Sacramento, CA 95815

Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

October 5, 1993

Mr. Kiyoumars Ghofrani
Freeway Station & Service
2740 98th Avenue
Oakland, CA 94605

STID 1130

Re: Investigations at 2740 98th Avenue, Oakland, California

Dear Mr. Ghofrani,

This office has received the letter from Northwest Envirocon, Inc., dated September 24, 1993. Based on the new piece of information, regarding the depths of the former soil sample locations, it is acceptable to this office to conduct soil borings beneath the contaminated areas and to collect a grab ground water sample(s) to determine whether the ground water has been impacted.

As stated in the letter, you are required to submit a work plan to this office, detailing the proposed work, for our approval. A work plan must be submitted **within 45 days** of the date of this letter.

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,

Juliet Shin
Hazardous Materials Specialist

cc: David C. Lambert
Northwest Envirocon
1800 Tribute Rd., Ste 101
Sacramento, CA 95815

Edgar Howell-File(JS)

1800 TRIBUTE ROAD, SUITE 101
SACRAMENTO, CA 95815
916-649-3570
1-800-395-3570
FAX: (916) 649-3819

September 24, 1993

93 SEP 29 PM 4: 25

Ms. Juliet Shin
Alameda Health Care Services Agency
80 Swan Way, Room 200
Oakland, CA 94621

REQUIRED INVESTIGATIONS AT THE FREEWAY SERVICE STATION, LOCATED AT 2740 98TH AVENUE, OAKLAND, CALIFORNIA

ENVIRONMENTAL ENGINEERING

Dear Ms. Shin:

Northwest Envirocon has prepared this letter on behalf of Mr. Kiyoumars Ghofrani, the property owner of the Freeway Service Station located at 2740 98th Avenue. We have summarized pipeline removal activities conducted at the site in June and July, 1993, and included recommendations for additional sampling at this site.

INDUSTRIAL HYGIENE

SYNOPSIS OF SITE ACTIVITIES

CONSTRUCTION MANAGEMENT

We have reviewed available notes regarding the pipeline removal and spoken with Mr. Mark East of E & G Construction who performed the pipeline removal and developed the following understanding of excavation and sampling activities that took place during the pipeline removal.

LABORATORY SERVICES

Based on conversations with Mr. East on September 15 and 17, 1993, the eight soil samples (1 through 8) were collected from a depth of approximately 3 1/2 feet below ground surface following removal of the pipelines on June 18, 1993; Mr. Ron Owcarz of your agency was present for the sampling. Sample locations are indicated on the enclosed Figure 1 and the analytical results are summarized in Table 1. Five of these samples (from a depth of 3 1/2 feet) contained total petroleum hydrocarbons as gasoline (TPHg) at concentrations ranging from 310 to 2,900 parts per million (ppm).

MAINTENANCE ENGINEERING

E & G Construction then excavated additional soil from below the three locations where the highest TPHg concentrations were identified (locations 1, 4, and 5) to remove soil with visual indications of hydrocarbons or odors. The final depth of excavation was approximately 12 to 13 feet and three confirmation soil samples (locations A-1, B-1, and C-1 indicated on Figure 1) were collected from the excavation bottom on July 1 and 2, 1993. One of these soil samples contained TPHg at 15 ppm but TPHg was not detected in the other two soil samples. Composite samples of the stockpiled soil contained 39 and 0.58 ppm of TPHg.

ASBESTOS SERVICES

During the time of pipeline replacement, Mr. Ghofrani's service station was out of service and it was important to return the station to business. The excavation was backfilled with the understanding that additional sampling would be required to evaluate the horizontal extent of TPHg in the soil.

ENVIRONMENTAL TRAINING

In your September 1, 1993 letter to Mr. Ghofrani you state that during the pipeline removal there were eight soil samples collected from a depth of 12 to 13 feet below ground surface and that TPHg was identified at concentrations ranging from 310 to 2,9000 ppm. Based on our understanding of the site activities, this is a misunderstanding because these samples were actually collected from a depth of approximately 3 1/2 feet in the original pipeline excavation. The three samples with the highest TPH concentrations were also collected from immediately beneath the single suction pumps where normal maintenance operations such as changing filters or customer pumping may result in minor leakage of fuel products. The pipelines at this service station previously tested tight.

SUMMARY OF RECOMMENDED ACTIONS

During the pipeline removal, soil from beneath the six single suction pumps was excavated to a depth where TPHg levels identified were 15 ppm or nondetectable. However, the lateral extent of TPHg in the soil was not evaluated and the vertical extent of TPHg was not evaluated beneath sample locations 2 and 6 where the TPHg concentrations identified were 310 and 550 ppm, respectively.

To further the investigation of soil quality at the site we recommend installation of soil borings and collection of soil samples to evaluate the vertical and horizontal extent of TPHg in the soil. In addition, one boring will be continued to the water table in the approximate location shown on Figure 1 and an insitu groundwater sample will be collected and analyzed for TPHg and benzene, toluene, ethylbenzene and xylenes. The need for groundwater monitoring wells, as requested in your September 21, 1993 letter, would be assessed based on the results this sampling. Upon your concurrence with this approach, a work plan will be submitted to your office for review and concurrence.

If you have any questions regarding this submittal, please contact Mr. Ghofrani at (510) 562-4505 or David Lambert of Northwest Envirocon at (916) 649-3570.

Sincerely,

David C. Lambert
California Region Manager

cc: Mr Kiyoumars Ghofrani
Bob Wallace, Bank of Oakland

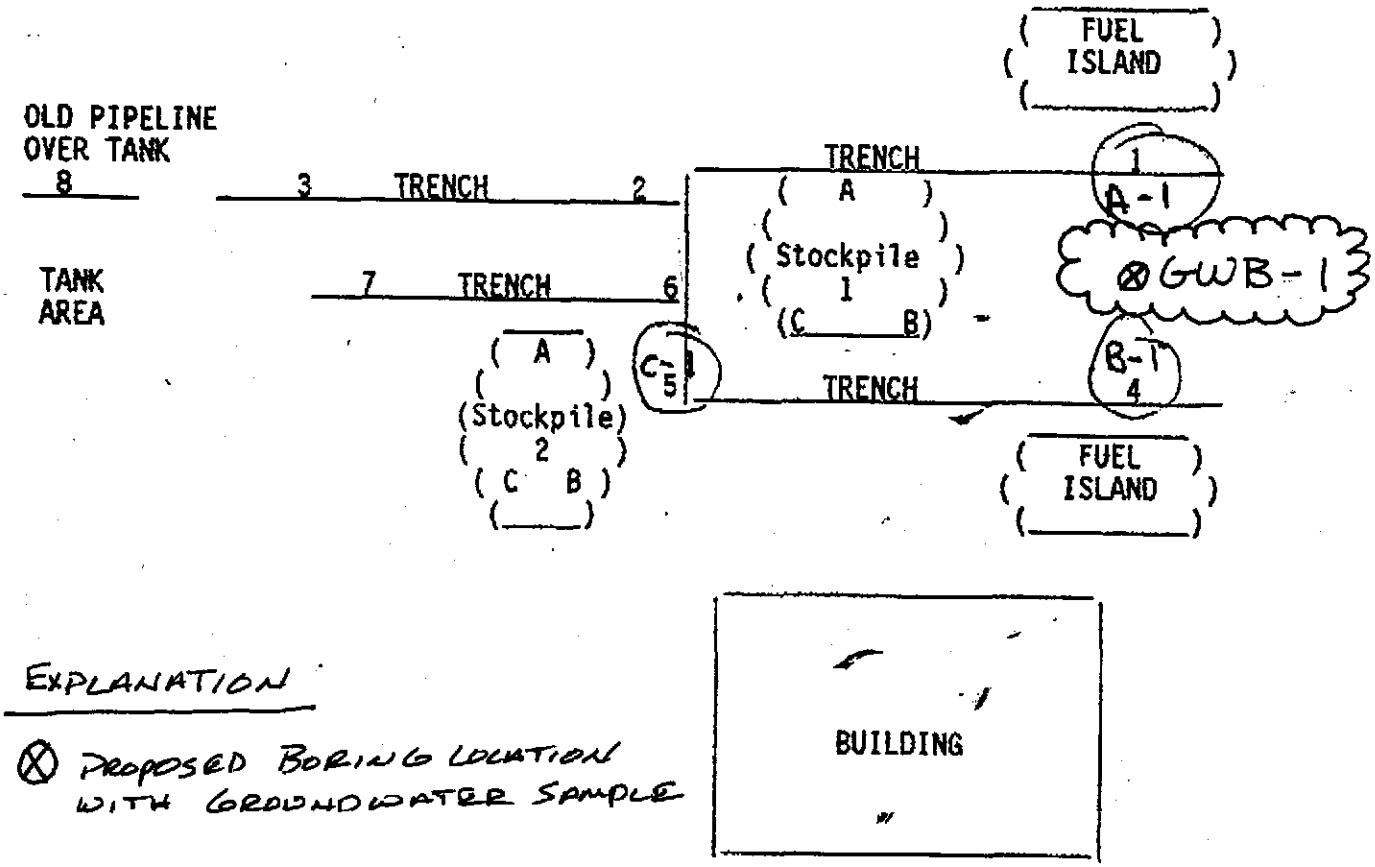
Trace Analysis Laboratory, Inc.

Site: Rhino

Address: 2740 98th Avenue
Oakland, CA

North

FIGURE 1



EXPLANATION

⊗ PROPOSED BORING LOCATION WITH GROUNDWATER SAMPLE

Requester: Mark East

Customer: E&G Construction

Address: 6433 Oberlyn Way
San Jose, CA 95123

Date Sampled: 06/18/93

Log #: 3341

TABLE 1
FREEWAY SERVICE STATION

SAMPLE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	DATE	DEPTH
Composite of SP1-A, SP1-B and SP1-C	39	0.018	0.42	0.094	2.7	6/18/93	
Composite of SP2-A, SP2-B and SP2-C	0.58	0.013	0.020	0.0064	0.066	6/18/93	
#1	2,900	19	200	72	540	6/18/93	3 1/2 ft.
#2	310	0.91	19	3.6	57	6/18/93	3 1/2 ft.
#3	ND	ND	0.007	ND	0.020	6/18/93	3 1/2 ft.
#4	1,900	1.3	4.9	8.1	230	6/18/93	3 1/2 ft.
#5	1,900	ND	24	12	230	6/18/93	3 1/2 ft.
#6	550	3.7	22	13	160	6/18/93	3 1/2 ft.
#7	ND	0.0053	0.019	ND	0.069	6/18/93	3 1/2 ft.
#8	ND	0.0046	0.020	0.0058	0.028	6/18/93	3 1/2 ft.
A-1	ND	ND	ND	0.0062	ND	7/1/93	13 ft.
B-1	15	0.15	0.047	0.036	3.2	7/1/93	12 ft.
C-1	ND	0.37	0.041	0.047	0.056	7/2/93	12 ft.

* All results in parts per million (ppm)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

September 1, 1993

Kiyoumars Ghofrani
Freeway Station & Service
2740 98th Avenue
Oakland, CA 94605

STID 1130

Re: Required investigations at Freeway ARCO Station, located at 2740 98th Ave., Oakland, California

Dear Mr. Ghofrani,

On June 18, 1993, fiberglass piping was removed from the above site. At that time, stained soils and petroleum odors were noted. Eight soil samples were collected from beneath this piping at 12 to 13 feet below ground surface. Analysis of these soil samples identified Total Petroleum Hydrocarbons as gasoline in five of these samples at concentrations ranging from 310 parts per million (ppm) to 2,900 ppm.

Guidelines established by the California Regional Water Quality Control Board (RWQCB) require that soil and ground water investigations be conducted when there is evidence to indicate that a release from an UST will impact or may have impacted the ground water.

You are required to conduct a **Preliminary Site Assessment (PSA)** to determine the lateral and vertical extent and severity of soil and ground water contamination resulting from the release at the site. The information gathered by the PSA will be used to determine an appropriate course of action to remediate the site, if deemed necessary. The PSA must be conducted in accordance with the RWQCB's Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks, and be consistent with requirements set forth in Article 11 of Title 23, California Code of Regulations. The major elements of such an investigation are summarized in the attached **Appendix A.** The major elements of the guidelines include, but are not limited to, the following:

- At least one ground water monitoring well must be installed within 10 feet of the observed soil contamination, oriented in the confirmed downgradient direction relative to ground water flow. In the absence of data identifying the confirmed downgradient direction, a minimum of three wells will be required to verify gradient direction. During the

installation of these wells, soil samples are to be collected at five-foot-depth intervals and any significant changes in lithology.

- Subsequent to the installation of the monitoring wells, these wells must be **surveyed to an established benchmark**, with an accuracy of 0.01 foot. Ground water samples are to be collected and analyzed quarterly, and water level measurements are **to be collected monthly for the first three months**, and then quarterly thereafter. If the initial ground water elevation contours indicate that ground water flow directions vary greatly than you will be required to continue monthly water level measurements until the ground water gradient behavior is known. Both soil and ground water samples must be analyzed for the appropriate fuel contaminants listed in Table 2 of the RWQCB's Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks.

This Department will oversee the assessment and remediation of your site. Our oversight will include the review of and comment on work proposals and technical guidance on appropriate investigative approaches and monitoring schedules. The issuance of well drilling permits, however, will be through the Alameda County Flood Control and Water Conservation District, Zone 7, in Pleasanton. The RWQCB may choose to take over as lead agency if it is determined, following the completion of the initial assessment, that there has been a substantial impact to ground water.

The PSA proposal is due **within 60 days** of the receipt of this letter. Once the proposal is approved, field work should commence within 60 days. A report must be submitted within 45 days after the completion of this phase of work at the site. Subsequent reports are to be submitted quarterly until this site qualifies for final RWQCB "sign-off". Such quarterly reports are due the first day of the second month of each subsequent quarter.

The referenced initial and quarterly reports must describe the status of the investigation and must include, among others, the following elements:

- Details and results of all work performed during the designated period of time: records of field observations and data, boring and well construction logs, water level data, chain-of-custody forms, laboratory results for all

samples collected and analyzed, tabulations of free product thicknesses and dissolved fractions, etc.

- Status of ground water contamination characterization.
- Interpretations of results: water level contour maps showing gradients, free and dissolved product, plume definition maps for each target component, geologic cross sections, etc.
- Recommendations or plans for additional investigative work or remediation.

Please be advised that this is a formal request for a work plan pursuant to **Section 2722 (c)(d) of Title 23 California Code of Regulations.** Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or RWQCB.

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,

Juliet Shin
Hazardous Materials Specialist

cc: Jan Rutenbergs
Northwest Envirocon
1800 Tribute Rd., Ste 101
Sacramento, CA 95815

Edgar Howell-File(JS)

2740 98th Avenue
Oakland, CA 94605

Freeway
Station & Service

(510) 562-4505

August 9 , 1993

To : Alemeda County
Hazardous materials
80 Swan way
Oakland Ca, 95123

Refer July 20, 1993

Dear Ms. Eva Chu,

In consideration of the above referance I called for three different consultants to work on my site. So far I have reicieved one proposal from Soil Tech Engineering, a copy of that proposal has been attached.

Still I am waiting for two other consultants, and as soon as I reicive the proposals I will inform you for any futher actions.

Yours Sincerely,
Q. Ghofrani

93 AUG 16 PM 12:02

NORTHWEST ENVIROCON, INC.
1800 TRIBUTE RD. SUITE 101 SACRAMENTO, CA 95815
TELEPHONE 916-649-3570
FAX 916-649-3819

FAX COVER PAGE

Date: 8/9/93 **Time:** 12:00 p.m.

To: Ms. Juliet Shin

Company: Alameda County Health Care Services

FAX Number: (510) 569-4757 **Voice Phone:**

From: Jan Rutenbergs **Northwest Envirocon, Inc.**

Number of pages including cover page: 2

If you do not receive all of the pages, please call 916-649-3570

Comments: It is our understanding that the County already has all the appropriate paper work & documentation. It is also our understanding that only a work plan needs to be completed prior to any additional work, as per our conversation earlier today. Please call to verify.

Thank You,

Jan Rutenbergs

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

July 20, 1993

Mr. Kiyoumars Ghofrani
Freeway Station and Service
2740 98th Avenue
Oakland, CA 94605

Re: Underground Tank Modification

Dear Mr. Ghofrani:

I have received your letter dated July 19, 1993 regarding the work plan for the soil contamination investigation and remediation to be done at your Freeway Station and Service facility at 2740 98th Avenue in Oakland by soil Tech Engineering, Inc. It is acceptable. E & G Construction can now proceed with the completion of the underground tank modification work as planned. They will need to call me out for a final inspection when the work is completed. The work plan submitted will be turned over to Hazardous Materials Specialist Eva Chu of our Local Oversight Program for review and approval.

If you have any questions, please contact me at 271-4320.

Sincerely,

Ronald J. Owcarz

Ronald J. Owcarz, REHS
Hazardous Materials Specialist

cc: Rich Hiett, RWQCB
Brian Oliva
Eva Chu
6,00

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION
DEPOSIT / REFUND ACCOUNT SHEET

SITE INFORMATION

Arco (Freeway Station)
2740 - 98th Ave
Oakland 94605
Site Contact: Kiyoumars Ghofrani
Site Phone : 562-4505

SITE#: 1279
PROJECT#: 1279A
PROJECT TYPE: MOD
INSP: Ron Owcarz
ACCT. SHEET PG #: ____

PROPERTY OWNER INFORMATION

E & G Construction
6433 Overlin Way
San Jose Ca 95123
Owner Contact: Mark David East
Owner Phone : 408-224-6498

CONTRACTOR INFORMATION

E & G Contruction, Inc.
6433 Overlin Way
San Jose CA 95123 #482
Contr. Contact: Mark David East
Contr. Phone : 408-224-6498

Date	Action Taken	Time In	Time Out	Hours Spent/ Depstd	Hour Balnce	Money Spent/ Deposited	Money Balance
_____	Balance from Prev.Page	.....	.....	.....	_____	.....	_____
12/17/92	Rcpt# U668879 Deposit of $906.00 @ $71/hour			+12.76			906.00
1/25/93	Mod. plan review	9am	10am	1.0	11.76	75.	831.00
2/3/93	"	10am	11am	1.0	10.76	75.	756.00
3/10/93	" cont	10am	10:30	0.5	10.26	37.50	718.50
4/2/93	"	3pm	3:30pm	0.5	9.76	37.50	681.00
4/9/93	"	1pm	1:30pm	0.5	9.26	37.50	643.50
4/23/93	"	2pm	2:30pm	0.5	8.76	37.50	606.00
5/6/93	" approval cont.	11am	noon	1.0	8.26	75.00	531.00
5-7-93	2 billing						
6/17/93	Survey inspection	2pm	2:30pm	0.5	7.76	37.50	495.50
6/18/93	Soil sampling inspection	2pm	4pm	2.0	5.76	150.00	345.50
6/29/93	On Site investigation by RO	1:30pm	1:30pm	1.0	4.76	75.00	270.50
7/7/93	Primary pipe test	4pm	5:30pm	1.0	3.76	75.00	195.50
7.19.93	2 billing						

Close Out & Transfer to LOP

PROJECT COMPLETED BY : Ron Owcarz

DATE OF COMPLETION : 8-4-93 DATE SENT TO BILLING: 8-5-93

TOTAL COST OF PROJECT: _____ REFUND AMOUNT: _____ Rev. 4/91

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

II,III

Site ID # 1130 Site Name FREEWAY STATION + SERVICE Today's Date 7/30/93

Site Address 2740 98th Ave.

City Oakland Zip 94605 Phone 562-4505

___ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
X III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.A BUSINESS PLANS (Title 19)

___	1. Immediate Reporting	2703
___	2. Bus. Plan Stds.	25503(b)
___	3. RR Cars > 30 days	25503.7
___	4. Inventory Information	25504(a)
___	5. Inventory Complete	2730
___	6. Emergency Response	25504(b)
___	7. Training	25504(c)
___	8. Deficiency	25505(a)
___	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

___	10. Registration Form Filed	25533(a)
___	11. Form Complete	25533(b)
___	12. RMPP Contents	25534(c)
___	13. Implement Sch. Req'd? (Y/N)	
___	14. OffSite Conseq. Assess.	25524(c)
___	15. Probable Risk Assessment	25534(d)
___	16. Persons Responsible	25534(g)
___	17. Certification	25534(f)
___	18. Exemption Request? (Y/N)	25536(b)
___	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

___	1. Permit Application	25284 (H&S)
___	2. Pipeline Leak Detection	25292 (H&S)
___	3. Records Maintenance	2712
___	4. Release Report	2651
___	5. Closure Plans	2670

Monitoring for Existing Tanks

___ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tstng
8) Annual Tank Testing
Daily Inventory
9) Other ________

___	7. Precis Tank Test Date: ________	2643
___	8. Inventory Rec.	2644
___	9. Soil Testing.	2646
___	10. Ground Water.	2647

New Tanks

___	11. Monitor Plan	2632
___	12. Access. Secure	2634
___	13. Plans Submit Date: ________	2711
___	14. As Built Date: ________	2635

Rev 6/88

Comments:

This is a final inspection for the modification of the 3 underground tanks done by E+G Construction. Everything checked out OK, the tanks will have to be checked when full on the new monitoring system by Gilbarco. There was also some ~~[illegible]~~ asphalt paving + patching still in progress at the site which will be finished shortly. The old piping will be removed by Erickson Co. on Monday with copies of the manifests sent to this office. The stockpiled soil was profiled and will be taken to a landfill in Livermore. Send copies of these receipts and lab results to this office as well. There was noone present from the ~~Alameda County~~ Oakland Fire Dept. at this inspection. In order to obtain a 5 year permit to operate the tanks, please submit the following information within 30 days:

1) Completed state A+B forms
2) As built plot plans
3) A written tank monitoring plan
4) Results of a new precision tank integrity and pressure pipeline leak detector test

This facility can now reopen for business.

II, III

Contact: Kiyoumars Ghotan
Title: owner
Signature: [signature]

Inspector: Ron Owcarz
Signature: [signature]

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

July 28, 1993

ATTN: Mark David East

E & G Construction
6433 Overlin Way
San Jose Ca 95123

RE: Project # 1279A - MOD
at 2740 - 98th Ave in Oakland 94605

Dear Property Owner/Designee:

Our records indicate the deposit/refund account for the above project has fallen below the minimum deposit amount. To replenish the account, please submit an additional deposit of $906.00, payable to Alameda County.

Please write your project number and site address on your check.

We must receive this deposit before we perform any further work on this project. At the completion of this project, any unused monies will be refunded to you or your designee.

If you have any questions, please contact Ron Owcarz at (510) 271-4320.

Sincerely,

Edgar B. Howell III, Chief
Hazardous Materials Division

c: files

SOIL TECH ENGINEERING
Soil, Foundation and Geological Engineers
298 BROKAW ROAD, SANTA CLARA, CA 95050 ■ (408) 496-0265 OR (408) 496-0266

July 27, 1993

Mr. Kiyoumars Ghofrani
Freeway Station and Service
2740 98th Avenue
Oakland, California 94605

SUBJECT: PROPOSAL FOR INSTALLATION OF ONE MONITORING WELL FOR THE PROPERTY Located at 2740 98th Avenue, in Oakland, California

Dear Mr. Ghofrani:

In response to your request, we are pleased to present our proposal for drilling 4 exploratory borings and installation of one monitoring well for the property located at 2740 98th Avenue, in Oakland, California.

The cost of our services are tabulated in Table 1 for preparing a work plan, installation of monitoring well, soil, groundwater sampling, report and quarterly groundwater monitoring and sampling.

Our services will include the following:

A) Obtain and submit the necessary well permit.

B) Drill four exploratory borings to the depth of 15 feet.

C) Install one groundwater monitoring well in accordance with the Alameda County Health Department and Alameda County Water District--Zone 7.

D) Log the soil column and soil sampling from the one boring and collect one water sample.

E) Analyze soil and groundwater samples at a state-certified laboratory for Total Petroleum Hydrocarbons as gasoline (TPHg) (EPA Test Method 8015/8020).

F) Measure depth-to-groundwater in the well.

G) Purge the monitoring well prior to sampling.

H) Sample the monitoring well.

I) Submit water samples to a state-certified laboratory for analysis.

J) Present results of the investigation to you in a formal written report.

The quoted price does not include site clean up and removal of contaminated soils and water.

We require a 50% of payment prior to work, and the remaining balance of 50% is due prior to receiving the report.

We thank you for the opportunity to be of service to you. If you have any questions or require additional information, please feel free to contact our office at your convenience.

Sincerely,

SOIL TECH ENGINEERING, INC.

Frank Hamedi-Fard
General Manager

If this proposal is acceptable to you, please sign and initial all the pages and return one copy to our office.

SIGNATURE/TITLE: _____ **DATE:** _____

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

July 20, 1993

Mr. Kiyoumars Ghofrani
Freeway Station and Service
2740 98th Avenue
Oakland, CA 94605

Re: Underground Tank Modification

Dear Mr. Ghofrani:

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If you have any questions, please contact me at 271-4320.

Sincerely,

Ronald J. Owcarz

Ronald J. Owcarz, REHS
Hazardous Materials Specialist

cc: Rich Hiett, RWQCB
Brian Oliva
Eva Chu
6⁰⁰

Integrity print and graphics

"Our name says it all!"

FAX MESSAGE

TO: Rox

FROM: "Q"

DATE: 7/19/93 TIME: 10:30 PM

TOTAL PAGES INCLUDING THIS COVER PAGE: 8

MESSAGE:

(510) 757-3355
FAX (510) 757-3431

2740 98th Avenue
Oakland, CA 94605

Freeway
Station & Service

(510) 562-4505

July 19 . 1993 .

To: Alemeda County
Hazardous Materials
80 Swan way
Oakland Ca. 95123

Dear Mr Ron Owcarz.
In consideration of your inspection on the day of July 14 . 1993 I Kiyoumars Ghofrani have hired Soil Tech Engineering INC as an Environmental consultant. The above company or any other environmental consultant that i hire will submit a work plan on my site within 10 days ... to your office.So I request back filling and continue to work down at my site as soon as possible .

Yours sincerely,
Kiyoumars Ghofrani

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

II,III

Site ID # ____ Site Name FREEWAY STATION + SERVICE Today's Date 7/14/93

Site Address 2740 98th Ave.

City Oakland Zip 94603 Phone 562-4505

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:
- ____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ____ II. Business Plans, Acute Hazardous Materials
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Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tsting
8) Annual Tank Testing
Daily Inventory
9) Other _____

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New Tanks

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___	13. Plans Submit Date: _____	2711
___	14. As Built Date: _____	2635

Rev 6/88

Comments:

This inspection was made for a followup on the 24 hour sump test - all of which passed with no evidence of leakage. Since all contaminated soil was not satisfactorily removed from the ground at the site, you must submit a report indicating what was done between soil samplings and submit a work plan by an environmental consultant to further investigate and remediate the remaining soil contamination. The workplan should also indicate what is to be done with the resultant stockpiled soil. A letter outlining this proposed subsurface investigation/remediation must be received by this office before backfilling of the pit or any other further work is allowed. The letter should also indicate the proposed time schedule for the investigation and remediation. The investigation must determine the lateral and vertical extent of the soil contamination. In addition, please submit an Unauthorized Release Form that was issued at the site.

II, III

Contact: K. GHOFRANI

Title: Owner

Signature: _____

Inspector: Ron Owcarz

Signature: Ron Owcarz

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

II,III

Site ID # ____ Site Name FREEWAY STATION + SERVICE Today's Date 2.9.93

Site Address 2740 98th Ave

City Oakland Zip 94605 Phone 562-4505

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:
____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
____ II. Business Plans, Acute Hazardous Materials
X III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.A BUSINESS PLANS (Title 19)

__	1. Immediate Reporting	2703
__	2. Bus. Plan Stds.	25503(b)
__	3. RR Cars > 30 days	25503.7
__	4. Inventory Information	25504(a)
__	5. Inventory Complete	2730
__	6. Emergency Response	25504(b)
__	7. Training	25504(c)
__	8. Deficiency	25505(a)
__	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

__	10. Registration Form Filed	25533(a)
__	11. Form Complete	25533(b)
__	12. RMPP Contents	25534(c)
__	13. Implement Sch. Req'd? (Y/N)	
__	14. Offsite Conseq. Assess.	25524(c)
__	15. Probable Risk Assessment	25534(d)
__	16. Persons Responsible	25534(g)
__	17. Certification	25534(l)
__	18. Exemption Request? (Y/N)	25536(b)
__	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

__	1. Permit Application	25284 (H&S)
__	2. Pipeline Leak Detection	25292 (H&S)
__	3. Records Maintenance	2712
__	4. Release Report	2651
__	5. Closure Plans	2670

Monitoring for Existing Tanks

__ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tstng
8) Annual Tank Testing
Daily Inventory
9) Other _____

__	7. Precis Tank Test Date: _____	2643
__	8. Inventory Rec.	2644
__	9. Soil Testing.	2646
__	10. Ground Water.	2647

New Tanks

__	11. Monitor Plan	2632
__	12. Access. Secure	2634
__	13. Plans Submit Date: _____	2711
__	14. As Built Date: _____	2635

Rev 6/88

Comments:

This inspection was for a secondary pipeline pressure test on the modified underground tanks by E+G Construction. All joints were soap tested and no leakage was observed. Initial pressure was at 5 psi which went down to 0.1 psi when the air was released. There was no one in attendance From the Oakland Fire Dept. at the time of inspection. The sumps were not ready to be tested because of a leak - they will be checked next week some time. Send the lab results from the soil sampling to this office ASAP.

II, III

Contact: K. GHOFRANI

Title: [redacted]

Signature: [signature]

Inspector: RON OWENS

Signature: [signature]

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Inspection Form

II,III

Site ID # ____ Site Name FREEWAY STATION + SERVICE Today's Date 2.7.93

Site Address 2740 98th Ave.

City Oakland Zip 94603 Phone 562-4505

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:
- ____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ____ II. Business Plans, Acute Hazardous Materials
- X III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.A BUSINESS PLANS (Title 19)

__	1. Immediate Reporting	2703
__	2. Bus. Plan Stds.	25503(b)
__	3. RR Cars > 30 days	25503.7
__	4. Inventory Information	25504(a)
__	5. Inventory Complete	2730
__	6. Emergency Response	25504(b)
__	7. Training	25504(c)
__	8. Deficiency	25505(a)
__	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

__	10. Registration Form Filed	25533(a)
__	11. Form Complete	25533(b)
__	12. RMPP Contents	25534(c)
__	13. Implement Sch. Req'd? (Y/N)	__
__	14. OffSite Conseq. Assess.	25524(c)
__	15. Probable Risk Assessment	25534(d)
__	16. Persons Responsible	25534(g)
__	17. Certification	25534(l)
__	18. Exemption Request? (Y/N)	25536(b)
__	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

__	1. Permit Application	25284 (H&S)
__	2. Pipeline Leak Detection	25292 (H&S)
__	3. Records Maintenance	2712
__	4. Release Report	2651
__	5. Closure Plans	2670

Monitoring for Existing Tanks

__ 6. Method
- 1) Monthly Test
- 2) Daily Vadose
  - Semi-annual gndwater
  - One time soils
- 3) Daily Vadose
  - One time soils
  - Annual tank test
- 4) Monthly Gndwater
  - One time soils
- 5) Daily Inventory
  - Annual tank testing
  - Cont pipe leak det
  - Vadose/gndwater mon.
- 6) Daily Inventory
  - Annual tank testing
  - Cont pipe leak det
- 7) Weekly Tank Gauge
  - Annual tank tstng
- 8) Annual Tank Testing
  - Daily Inventory
- 9) Other _____

__	7. Precis Tank Test Date: _____	2643
__	8. Inventory Rec.	2644
__	9. Soil Testing.	2646
__	10. Ground Water.	2647

New Tanks

__	11. Monitor Plan	2632
__	12. Access. Secure	2634
__	13. Plans Submit Date: _____	2711
__	14. As Built Date: _____	2635

Rev 8/88

Comments:

This inspection was made for a primary pipe test on the recent UST modification done by E+G Construction. The initial starting pressures were 76 psi on the product lines and 40 psi on the vapor lines. All joints were soap tested and no leakage was observed. The final pressures were about 2 psi after the air pressure was released. There was noone present from the Oakland Fire Dept. to witness this test at the time of inspection.

II, III

Contact: K. Ghafrani

Title: Owner

Signature: [signature]

Inspector: Ron Owcasz

Signature: Ron Owcasz

TRACE

Louis Da Paus — 783-6960

white	-env.health
yellow	-facility
pink	-files

ALAMEDA COUNTY, DEPARTMENT OF
ENVIRONMENTAL HEALTH
Hazardous Materials Inspection Form

80 Swan Way, #2(
Oakland, CA 946:
(415) 271-4320

II,III

Site ID # 1130 Site Name Nelleray Station Today's Date 6/29/93

Site Address 2740 98th Ave

City Oakland Zip 94605 Phone ____

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
____ II. Business Plans, Acute Hazardous Materials
____ III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.A BUSINESS PLANS (Title 19)

___	1. Immediate Reporting	2703
___	2. Bus. Plan Stds.	25503(b)
___	3. RR Cars > 30 days	25503.7
___	4. Inventory Information	25504(a)
___	5. Inventory Complete	2730
___	6. Emergency Response	25504(b)
___	7. Training	25504(c)
___	8. Deficiency	25505(a)
___	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

___	10. Registration Form Filed	25533(a)
___	11. Form Complete	25533(b)
___	12. RMPP Contents	25534(c)
___	13. Implement Sch. Req'd? (Y/N)	___
___	14. Offsite Conseq. Assess.	25524(c)
___	15. Probable Risk Assessment	25534(d)
___	16. Persons Responsible	25534(g)
___	17. Certification	25534(i)
___	18. Exemption Request? (Y/N)	25536(b)
___	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

___	1. Permit Application	25284 (H&S)
___	2. Pipeline Leak Detection	25292 (H&S)
___	3. Records Maintenance	2712
___	4. Release Report	2651
___	5. Closure Plans	2670

Monitoring for Existing Tanks

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1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tstng
8) Annual Tank Testing
Daily Inventory
9) Other ________

___	7. Precis Tank Test Date: ______	2643
___	8. Inventory Rec.	2644
___	9. Soil Testing.	2646
___	10. Ground Water.	2647

New Tanks

___	11. Monitor Plan	2632
___	12. Access. Secure	2634
___	13. Plans Submit Date: ______	2711
___	14. As Built Date: ______	2635

Rev 6/88

Comments:

on site for observation / consultation. samples had been taken of the soil under the single walled piping at the site yielding three contaminated spots from 340 ppm TPH-G to 2900 ppm - told owner to have further samples taken of soil where contamination was found. Several photographs of area taken, the contaminated soil should be manifested to an appropriate waste facility.

① Provide re-sampling in contaminated areas of facility.

② Send results to this office

if ND, No further investigation will be necessary

Contact: X G. GHOFRANI

Title: X Owner

Signature: [signature]

Inspector: Brian P. Oliva [signature]

Signature: 11/20/94

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

II,III

Site ID # 1130 Site Name FREEWAY STATION Today's Date 6/18/93

Site Address 2740 98th Ave,

City Oakland Zip 94605 Phone 562-4505

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
____ II. Business Plans, Acute Hazardous Materials
X III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.A BUSINESS PLANS (Title 19)

___	1. Immediate Reporting	2703
___	2. Bus. Plan Stds.	25503(b)
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___	6. Emergency Response	25504(b)
___	7. Training	25504(c)
___	8. Deficiency	25505(a)
___	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

___	10. Registration Form Filed	25533(a)
___	11. Form Complete	25533(b)
___	12. RMPP Contents	25534(c)
___	13. Implement Sch. Req'd? (Y/N)	___
___	14. OffSite Conseq. Assess.	25524(c)
___	15. Probable Risk Assessment	25534(d)
___	16. Persons Responsible	25534(g)
___	17. Certification	25534(l)
___	18. Exemption Request? (Y/N)	25536(b)
___	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

___	1. Permit Application	25284 (H&S)
___	2. Pipeline Leak Detection	25292 (H&S)
___	3. Records Maintenance	2712
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Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tstng
8) Annual Tank Testing
Daily Inventory
9) Other _____

___	7. Precis Tank Test Date: _____	2643
___	8. Inventory Rec.	2644
___	9. Soil Testing .	2646
___	10. Ground Water.	2647

New Tanks

___	11. Monitor Plan	2632
___	12. Access. Secure	2634
___	13. Plans Submit Date: _____	2711
___	14. As Built Date: _____	2635

Rev 6/88

Comments:

This inspection was to observe soil sampling done by Lou DuPuis of Trace Analysis Lab after single walled fiberglass piping was removed from 3 UGTS. There were 8 discrete samples taken from the pits at each elbow and every 20 lineal feet and 6 composite samples from 2 stockpiles. There was some green staining and petroleum odors noted in some samples. There was also a water main break in the area that made some of the samples wet, but no water sample was taken (since it did not appear to be groundwater). Send results to this department and call for next inspection primary piping installation and pressure test.

II, III

Contact: KIYOMARS- GHOFRANI

Title: Owner

Signature: [signature]

Inspector: Ron Owcarz

Signature: Ron Owcarz

STATE COMPENSATION INSURANCE FUND

P.O. BOX 420807, SAN FRANCISCO, CA 94142-0807

CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

MARCH 31, 1993

POLICY NUMBER: 1341159 - 93
CERTIFICATE EXPIRES: 3-1-94

CO OF ALAMEDA
ENVIRONMENTAL HAZARD MATERIAL
80 SWAN WAY RM#200
OAKLAND CA 94621

This is to certify that we have issued a valid Workers' Compensation insurance policy in a form approved by the California Insurance Commissioner to the employer named below for the policy period indicated.

This policy is not subject to cancellation by the Fund except upon ten days' advance written notice to the employer.

We will also give you TEN days' advance notice should this policy be cancelled prior to its normal expiration.

This certificate of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term, or condition of any contract or other document with respect to which this certificate of insurance may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies.

John A. Wolff
PRESIDENT

EMPLOYER

E & G CONSTRUCTION INC.
6433 OBERLIN WY
SAN JOSE CA 95123

QWIK CERTIFICATE OF INSURANCE

DATE 04/23/93

Producer

Douglas Noh Insurance
2021 The Alameda., Suite 200
San Jose, Ca 951262

(408) 248-6117

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

COMPANIES AFFORDING COVERAGES

Company Letter A — First Assurance & Casualty Co., Ltd

Company Letter B

Company Letter C

Company Letter D

Company Letter E

Insured 0000501

Mark East
DBA: E & G Construction
6433 Oberlin Way
San Jose, CA 95123

COVERAGES

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENTS, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSION AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFF DATE (mm/dd/yy)	POLICY EXP DATE (mm/dd/yy)	LIMITS	
A	GENERAL LIABILITY [X] Commercial General Liab. [ ]Claims Made [X]Occur [X] Owner's & Contractors Protective [ ] [ ]	F 22100436	02/18/93	02/18/94	General Aggregate Prod-Comp/Ops Agg Pers & Adv Injury Each Occurrence Fire Damage (Any one fire) Medical Payments (Any one person)	$ 500,000 $ 500,000 $ $ 500,000 $ $ 1,000
	AUTOMOBILE LIABILITY [ ] Any Auto [ ] All Owned Autos [ ] Scheduled Autos [ ] Hired Autos [ ] Non - Owned Autos [ ] Garage Liability [ ]				Combined Single Limit Bodily Injury (Per Person) Bodily Injury (Per Accident) Property Damage	$ $ $ $
	EXCESS LIABILITY [ ] Umbrella Form [ ] Other Than Umbrella Form				Each Occurrence Aggregate	$ $
	WORKER'S COMPENSATION AND EMPLOYER'S LIABILITY				[ ] Statutory Each Accident Disease-Pol Limit Disease-Each Empl	 $ $ $
	OTHER					

Description Of Operations/Locations/Vehicles/Special Items

CERTIFICATE HOLDER

3

Arco

2740 98th Avenue
Oakland, CA 94605

CANCELLATION

Should any of the above described policies be cancelled before the expiration date thereof, the issuing company will endeavor to mail 30 days written notice to the certificate holder named to the left, but failure to mail such notice shall impose no obligation or liability of any kind upon the company, it's agent's or representatives.

Authorized Representative

Douglas Noh

STATE COMPENSATION INSURANCE FUND

P.O. BOX 420807, SAN FRANCISCO, CA 94142-0807

(408) 363-7600

CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

March 29, 1993

POLICY NUMBER: 1341159-93

CERTIFICATE EXPIRES: 3/29/93 - 3/1/94

CITY OF ALAMEDA
DEPT. OF HEALTH
CITY HALL ROOM 306
OAK & SANTA CLARA AVE
ALAMEDA, CA 94501

This is to certify that we have issued a valid Workers' Compensation insurance policy in a form approved by the California Insurance Commissioner to the employer named below for the policy period indicated.

This policy is not subject to cancellation by the Fund except upon ten days' advance written notice to the employer.

We will also give you TEN days' advance notice should this policy be cancelled prior to its normal expiration.

This certificate of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term, or condition of any contract or other document with respect to which this certificate of insurance may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies.

John A. Olett

PRESIDENT

EMPLOYER

E & G CONSTRUCTION
6433 Oberlin Way
San Jose, CA 95123

SCIF 10262 (REV. 10-86)

(408) 224-6498

FREEWAY ARCO

2/3/93

OK 1. Provide copy of Hazardous Waste Certification with Contractor's License.

OK 2. Provide copy of current Worker's Compensation Certificates of Insurance.

OK 3. Provide certificates of 40 hour OSHA hazardous waste operator training for all employees on site.

OK 4. Provide a site specific health and safety plan.

OK 5. Provide copies of 1992 precision tank and piping integrity tests.

OK 6. Provide copy of Unauthorized Release Form for waste oil tank overspill in April of 1989.

OK 7. Identify monitoring well location on site plan and submit quarterly dry monitoring reports since 1989. Note that this case will be transferred to our Local Oversight Program.

OK 8. Provide information on any upgrades to waste oil tank and its location

OK 9. Provide written tank monitoring and spill response plans.

OK 10. Revise page 2 of plans to show single wall tank with pressure system instead of suction.

Post-It™ brand fax transmittal memo 7671	# of pages ▸ 1
To MARK EAST	From DON OWCARZ
Co. ~~EHG~~ Construction	Co. Alameda County
Dept.	Phone # (510) 271-4320
Fax # (408) 224-6498	Fax # (510) 569-4757

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 510/271-4320

ACCEPTED

DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - [illegible] Street, Third Floor
Oakland, CA [illegible]
Telephone: [illegible] 874-7237

These plans have been [illegible] and found to be acceptable and essentially [illegible] the requirements of State and local health laws. [illegible] to your plans indicated by this Department are [illegible] with State and local laws. [illegible] for issuance of any [illegible] for construction.

One copy of [illegible] must be on the job and available to [illegible] involved with the [illegible].

Any changes [illegible] plans and specifications must be [illegible] to the Fire and Building [illegible] to determine if such changes meet the [illegible] State and local laws. Notify the [illegible] hours prior to the following [illegible]:

_______ [illegible]

_______ [illegible] of Tank and Piping

_______ Final [illegible]

Issuance of a permit [illegible] is dependent on compliance with accepted plans and all applicable laws and regulations.

[illegible]

Project Specialist:
Ron Owcarz 5/6/93
271-4320

UNDERGROUND TANK INSTALLATION PLAN

* * * Complete according to attached instructions * * *

1. Business Name Freeway Arco Station + Service
   Business Owner Kiyoumars GHofrani
2. Site Address 2740 98Th ave
   City OAKLAND Zip 94605 Phone (510) 562-4505
3. Mailing Address 2740 98Th ave
   City OAKland CA Zip 94605 Phone (510) 562-4505
4. Land Owner Kiyoumars GHofrani
   Address 2740 98Th ave
   City, State OAKland CA 94605 Zip 94605

5. Tank Information: Note: any special treatment to prevent corrosion, details of cathodic protection, piping coatings, and any special or unique equipment not otherwise noted. 15 gallon minimum overfill protection is required. Attach appropriate manufacturer brochures and instructions for clarity.

Manufacturer	Model	Size(gal.)	Material/Design	Contents
EBW	705-443-01 (15)			overfull Protection
AOS	sd-thred	2" & 3"	Fiberglass	Pipping
Bravo	2365		Steel	containment Box
Red Jacket	P75S1			Turbines

Monitoring Eq*	Model	Manual/Auto	line leak Detect	Monitoring Meth
Gilbarco	EMC	auto	yes	electrically Monitored
Red Jacket	[redacted] CD2000			[redacted] vaporless Leak Detect

* a copy of the manufacturer's brochure must be submitted with tank installation diagrams. It must show test methods and procedures.

6. Contractor E & G Construction

Address 6433 Berla WAY

City San Jose Phone (408) 224-6498

License Type* Haz A595263 ID# 595263

*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board. Indicate that the certificate has been received, in addition, to holding the appropriate contractors license type.

7. Submit Worker's Compensation Certificate copy

Name of Insurer owner operator

8. Contact person for installation Mark East

Phone (408) 224-6498 Title owner

9. Submit 3 set of scaled Blue Prints: consisting of detailed engineering descriptions of the installation and must include the following information:

a) North Arrow, property Lines, location of all structures;
b) plan views and elevations of tanks, piping runs, and dispensers, as well as schematics of all appurtenant equipment and monitoring devices to be installed, utilities;
c) Existing wells (drinking, monitoring, etc.);
d) Depth to ground water; and
e) All existing tanks and piping in addition to the ones being installed/modified.
f) electrical and wiring diagrams, including emergency shutoff.
g) installation specifications and construction standards to be followed.

10. Enclose Deposit:
A deposit, payable to Alameda County for the amount indicated on the Alameda County Underground Storage Tank Fee Schedule, must accompany the plans. The time spent on the project will be charged on an hourly basis at the current service rate. Any refund at the conclusion of the project will be refunded to the owner or his/her designee.

* One complete copy of your approved plan must be at the construction site at all times; a copy of your approved plan must also be sent to the landowner.

11. Of the three sets of plans submitted, two will be returned after review and approval. Next you must contact the appropriate fire and building departments for any required permits. You must schedule at least 3 days in advance for the following inspections: piping inspection prior to covering, and final inspection prior to operating. A precision test will be required on the system to assure it does not leak. Any questions or problems should be refered directly to the specialist assigned to your project.

12. Blank Unauthorized Leak/Contamination Site Report forms may be obtained in limited quantities from our office and from the San Francisco Bay Regional Water Quality Control Board (510/464-1255). Larger quantities may be obtained directly from the State Water Resources Control Board at (916) 739-2421.

13. As-built plans are to be submitted within 30 days of completion. Permit Application Forms A, B('s), and C('s) are to be submitted and fees paid prior to operation of the tanks.

14. A written monitoring plan must be submitted prior to the operation of the tank and prior to the issuance of a permit.
I declare that to the best of my knowledge and belief the statements and information provided above are correct and true.

15. These instructions do not apply in the city limits of Fremont, Newark, Union City, Hayward, Pleasanton, Berkeley, or San Leandro as they enforce their own underground tank regulatory program.

I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted installation plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

Signature of Contractor

Name (please type) MARK DAVID EAST

Signature Mark David East

Date 12-2-1992

Signature of Site Owner or Operator

Name (please type)

Signature KIYOUMARS-GHOFRANI

Date 12-8-92

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION
Declaration of Site Account Refund Recipient

SITE OWNER FILLS OUT PER SITE
-- OPTIONAL --

The property owner will use this form to designate someone other than him- or her- self to receive any refund due at the completion of all deposit/refund projects at the site listed below. In the absence of this form, the property owner will receive any refund. Only one person at any one time may be designated to receive any refund.

SITE NUMBER/ADDRESS:	PROPERTY OWNER
Site Number	
Freeway arco	Kiyoumars Ghofrani
Company Name	Owner's Name
2740 98th ave	2740 98th ave
Street Address	Owner's Address
Oakland 94605	Oakland CA 94605
City Zip Code	Owner's City State Zip

I designate the following person to receive any refund due at the completion of all deposit/refund projects:

E + S Construction
Name

6433 Oberlin way
Street Address

San Jose CA 95123
City / Zip

Property Owner Signature — 12-8-92 Date

KIYOUMARS- GHOFRANI
Property Owner Name

RETURN FORM TO: Alameda County, Hazardous Materials Div.
80 Swan Way, Rm 200
Oakland, CA 94621-1439
Phone: (510) 271-4320

DR-DECL; mfk; 8/14/91

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION
Acknowledgement of Refund Recipient for Site Account
DEPOSITOR FILLS OUT PER SITE
-- REQUIRED --

The depositor will use this form to acknowledge that the property owner or his or her designee will receive any refund due at the completion of all deposit/refund projects at the site listed below.

SITE NUMBER/ADDRESS:

Site Number

Freeway arco Station + Service
Company Name

2740 98th ave
Street Address

Oakland CA 94605
City Zip Code

REFUND RECIPIENT-PROPERTY OWNER

Kiyo MARS & Hofrew
Owner's Name

2740 98th ave
Owner's Address

Oakland CA 94605
Owner's City State Zip

I have read the description of the project Deposit/Refund Procedure, and have had an opportunity to ask questions about it. I understand that regardless of who deposits money into the site account, <u>any deposit money remaining at the completion of all projects being conducted at this site will be refunded solely to the property owner or his or her designee</u>.

Mark David East / E+G Constructio
Signature of Depositor

12-2-1992
Date

MARK DAVID EAST / E+G Constructio
Depositor Name

E+G Constructio
Company Name

6433 Oberlin WAY
Street Address

SAN JOSE CA 95123
City / Zip

RETURN FORM TO: Alameda County, Hazardous Materials Div.
80 Swan Way, Rm 200
Oakland, CA 94621-1429

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 510/271-4320

ACCEPTED

DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street, Third Floor
Oakland, CA 94612
Telephone (415) 874-7237

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to your plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction.

One copy of the accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.

Any changes or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspection Department to determine if such changes meet the requirements of State and local laws.

Notify this Department at least 48 hours prior to the following required inspections:

_______ Removal of Tank and Piping

_______ Sampling

_______ Final Inspection

Issuance of a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

Ron [illegible] 5/6/93
271-4320

UNDERGROUND TANK CLOSURE PLAN

*** * * Complete according to attached instructions * * ***

1. Business Name Freeway ~~[illegible]~~ Station & Service
   Business Owner Kyoumars Ghofrani
2. Site Address 2740 98th ave
   City Oakland Zip 94605 Phone 562-4505
3. Mailing Address SAME
   City ______ Zip ______ Phone ______
4. Land Owner SAME
   Address ______ City, State ______ Zip ______
5. Generator name under which tank will be manifested Freeway ~~[illegible]~~ Station
   Pipping only no Tank Pull
   EPA I.D. No. under which tank will be manifested CAL000019843

rev 3/92

6. Contractor E+ Construction

Address 6433 Oberlin Way

City SJ 95123 Phone (408) 224-6498

License Type* A ID# 595263

*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board. Indicate that the certificate has been received, in addition, to holding the appropriate contractors license type.

7. Consultant _____

Address _____

City _____ Phone _____

8. Contact Person for Investigation

Name Mark East Title contractor

Phone (408) 224-6498

9. Number of tanks being closed under this plan Ø

Length of piping being removed under this plan 180'

Total number of tanks at facility 4

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

** Underground tanks are hazardous waste and must be handled ** as hazardous waste

a) Product/Residual Sludge/Rinsate Transporter

Name _____ EPA I.D. No. _____

Hauler License No. _____ License Exp. Date _____

Address _____

City _____ State _____ Zip _____

b) Product/Residual Sludge/Rinsate Disposal Site

Name _____ EPA I.D. No. _____

Address _____

City _____ State _____ Zip _____

c) Tank and Piping Transporter

Name Erickson EPA I.D. No. CAD009466392

Hauler License No. 019 License Exp. Date 5/94

Address 255 Parr Blvd

City Richmond State CA Zip 94801

d) Tank and Piping Disposal Site

Name Erickson EPA I.D. No. CAD009466392

Address 255 Parr Blvd

City Richmond State CA Zip 94801

11. Experienced Sample Collector

Name Jon Dupre

Company Trace Analysis

Address 3423 Investment Blvd unit B

City Hayward State CA Zip 94545 Phone (510) 783-6940

12. Laboratory

Name Trace Analysis

Address 3423 Investment Blvd unit B

City ~~Oakland~~ Hayward State CA Zip 94545

State Certification No. 1199

13. Have tanks or pipes leaked in the past? Yes [ ] No [X]

If yes, describe.

14. Describe methods to be used for rendering tank inert

N/A

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be plugged.

The Bay Area Air Quality Management District (771-6000), along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of explosion proof combustible gas meters to verify tank inertness. **It is the contractor's responsibility to bring a working combustible gas meter on site to verify tank inertness.**

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
N/A			

One soil sample must be collected for every 20 feet of piping that is removed. A ground water sample must be collected should any ground water be present in the excavation.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated) N/A	Sampling Plan

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

16. Chemical methods and associated detection limits to be used for analyzing samples

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
TPH-D BTXE Total Lead	3020 GCFID(5030) AA		10 .005

17. Submit Site Health and Safety Plan (See Instructions)

18. Submit Worker's Compensation Certificate copy

Name of Insurer State Compensation Insurance Fund

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

21. **Report any leaks or contamination to this office within 5 days of discovery.** The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

22. Submit a closure report to this office within 60 days of the tank removal. This report must contain all the information listed in item 22 of the instructions.

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true.

I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

Signature of Contractor

Name (please type) MARK David East

Signature Mark David East

Date 12-27-92

Signature of Site Owner or Operator

Name (please type) KIYOUMARS GHOFRANI

Signature

Date 5-5-93

SITE SAFETY PLAN
FOR
FREEWAY SERVICE STATION

EMERGENCY TELEPHONE NUMBERS:

FIRE AND POLICE ---------- 911

AMBULANCE---------- 911

HUMANA HOSPITAL---------- (51Ø) 357-65ØØ
13855 E. 14th STREET
SAN LEANDRO CA

DIRECTIONS: 98th AVE WEST, LEFT ON E. 14th STREET, CROSSSTREET 136th AVE.

MAP: SEE ATTACHMENT A (NEXT PAGE)
PAGE 25 D 7

CONTINGENCY TELEPHONE NUMBERS:

POISON CONTROL CENTER ---------- (8ØØ) 523-2222

E & G CONSTRUCTION ---------- (4Ø8) 224-6498
BEEPER ------- (4Ø8) 865-2236

CHEMTREE ---------- (8ØØ) 424-93ØØ

NOTE: ONLY CALL CHEMTREC IN AN EMERGENCY. CHEMTREC STANDS FOR CHEMICAL TRANSPORTAION EMERGENCY CENTER, A PUBLIC SERVICE OF THE CHEMICAL MANUFACTURE'S ASSOCIATION. CHEMTREC CAN USUALLY PROVIDE HAZARD INFORMATION, WARNING, AND GUIDANCE WHEN GIVEN THE IDENTIFICATION NUMBER OR THE NAME OF THE PRODUCT AND THE NATURE OF THE PROBLEM. CHEMTREC CAN ALSO CONTACT THE APPROPRIATE EXPERTS.

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FOR CONTINUATION SEE MAP 22

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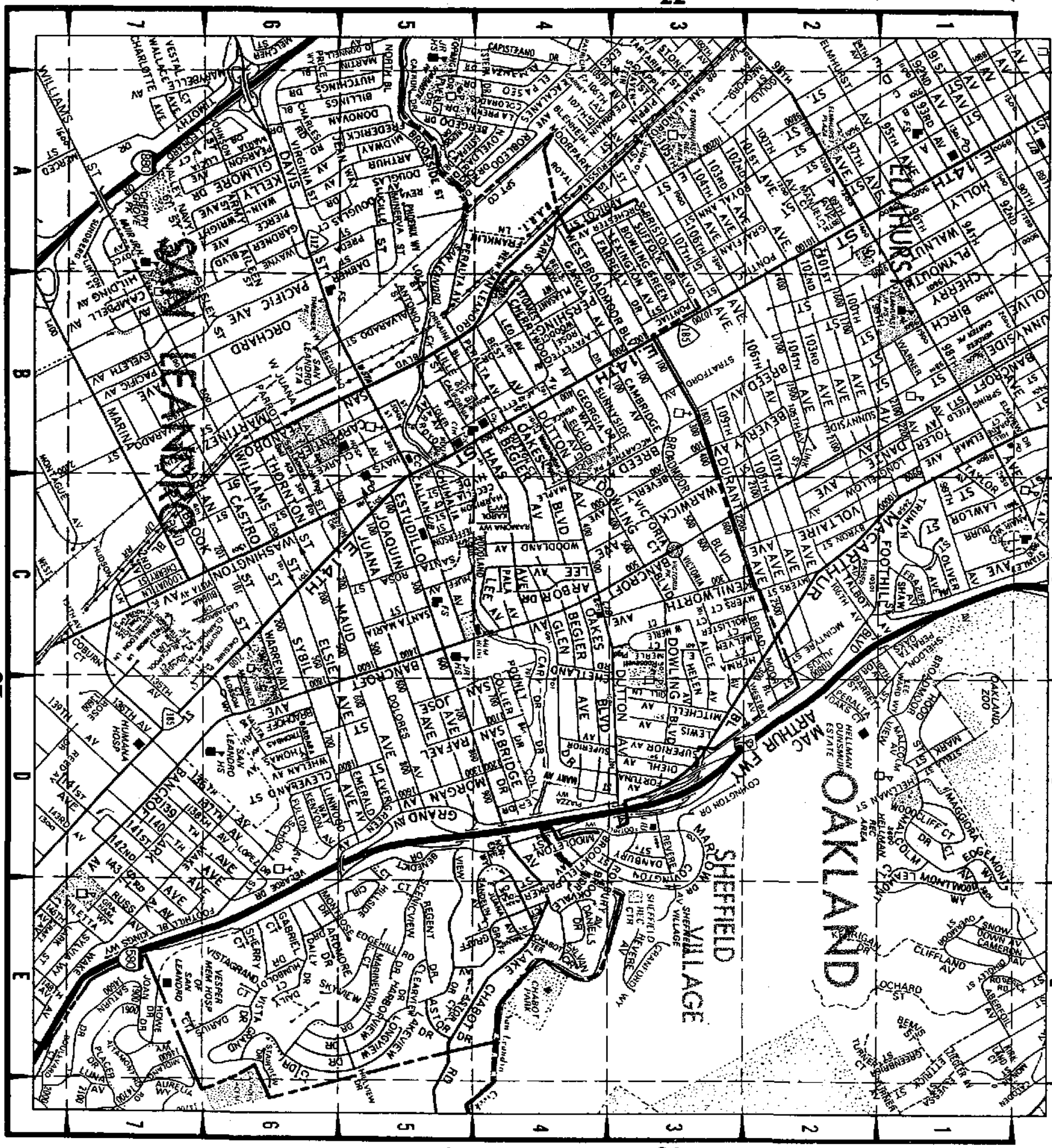

FOR CONTINUATION SEE MAP 15

FOR CONTINUATION SEE MAP 27

FOR CONTINUATION SEE MAP 26

WARNING CONCENTRATIONS

Chemical	CAS #	PEL	Warning Concentration	VP	eV	Solubility	Density
___ Acetone	67641	750 ppm	100 ppm	266 mm	9.69	Miscible	0.80
___ Benzene	71432	1 ppm	4.68 ppm	75 mm	9.25	0.18 %	0.88
___ Chloroform	67663	2 ppm	50 ppm	160 mm	11.42	0.8 %	1.50
___ Coal Tar Naphtha	65996794	None	Variable	5 mm	N/A	Insoluble	N/A
___ Ethylbenzene	100414	100 ppm	0.25 ppm	7.1 mm	8.76	0.015 %	0.87
___ Hexane	110543	50 ppm	1400 ppm	124 mm	10.18	0.014 %	0.66
___ Hydrogen Sulfide	7783064	10 ppm	0.8 ppm	20 atm	10.43	2.9 %	N/A
___ Methylene Chloride	750092	100 ppm	25 ppm	350 mm	11.35	1.3 %	1.33
___ Methyl Ethyl Ketone	78933	200 ppm	4.8 ppm	70 mm	9.48	27 %	0.81
___ PCBs	53469219	0.5 mg/m^3	N/A	0.001 mm	N/A	Insoluble	1.44
___ Petroleum Distillates	8002059	400 ppm	Variable	40 mm	N/A	0.04 %	N/A
___ Phenol	108952	5 ppm	0.1 ppm	0.36 mm	8.5	8.4 %	1.07
___ Tetrachloroethylene	127184	25 ppm	4.68 ppm	14 mm	9.32	0.015 %	1.63
___ Toluene	108883	100 ppm	0.17 ppm	22 mm	8.82	0.05 %	0.87
___ 1,1,1, Trichloroethane	71556	350 ppm	20 ppm	100 mm	11.25	0.07 %	1.34
___ Trichloroethylene	79016	25 ppm	21.4 ppm	58 mm	9.47	0.1 %	1.47
___ Vinyl Chloride	75014	1 ppm	260 ppm	2580 mm	9.9995	Slight	0.92
___ Xylene	1330207	100 ppm	1.8 ppm	9 mm	8.56	0.00003 %	0.86

N/A = Not Available
CAS# = Chemical Abstract Services Number
PEL = OSHA Permissible Exposure Limit
VP = Vapor Pressure

Pesticide	CAS #	PEL	Warning Concentration	VP	Solubility
___ Aldrin	309002	0.25mg/m^3	N/A	0.000006 mm	Insoluble
___ Carbaryl	63252	5mg/m^3	Odorless	0.005 mm	0.004 %
___ Chlordane	57749	0.5mg/m^3	Odorless	0.00001 mm	Insoluble
___ DBCP	96128	1 ppb	N/A	0.8 mm	0.1 %
___ DDT	50293	1 mg/m^3	2.9mg/m^3	0.00000017 mm	0.00001 %
___ Dieldrin	60571	0.25mg/m^3	0.41 ppm	0.00000018 mm	10 ppb
___ Endrin	72208	0.1mg/m^3	N/A	0.0000002 mm	160 ppb
___ Ethylene Dibromide	106934	0.13 ppm	10 ppm	11 mm	0.4 %
___ Heptachlor	76448	0.5mg/m^3	0.02 ppm	0.0003 mm	Insoluble
___ Lindane	58899	0.5mg/m^3	3.9mg/m^3	0.0000094 mm	0.001 %
___ Malathion	121755	10mg/m^3	10mg/m^3	0.00004 mm	0.0145 %
___ Parathion	56382	0.1mg/m^3	0.48mg/m^3	0.0004 mm	0.00002 %

CAS# = Chemical Abstract Services Number
PEL = OSHA Permissible Exposure Limit
VP = Vapor Pressure

HEALTH EFFECTS

Chemical	Health Effects	Target Organs	Chemical	Health Effects	Target Organs
Acetone	4,6,8,11,16,21	J,K	Aldrin	Ca,2,3,7,11,15	D,G,J,K
Benzene	Ca,1,4,8,11,15,17,18	C,D,E,J,K	Carboryl	1,3,5,13,15,22	D,J,K
Chloroform	Ca,7,8,11,15	E,G,J,K	Chlordane	1,3,5,15,22	D,E,G,H,J,K
Coal Tar Naphtha	4,8,16	E,J,K	DBCP	Ca,8,15,16,21,22	D,G,J,K
Ethylbenzene	2,4,8,11	D,E,J,K	DDT	Ca,3,7,8,22	D,G,J,K
Hexane	4,8,10,11,12,16	E,H,J,K	Dieldrin	Ca,2,3,7,11,15,22	D,G,J,K
Hydrogen Sulfide	2,3,7,8,9,11,17	E,J	Endrin	1,3,7,15,22	D,G
Methylene Chloride	8,9,12,14,21	D,E,J	Ethylene Dibromide	Ca,4,8,17	E,G,J,J,K
Methyl Ethyl Ketone	7,8,11,16,22	D,H	Heptachlor	3	D,G
PCBs	Ca,4,8	E,G,K	Lindane	3,4,8,16	B,D,E,G,J,K
Petroleum Distillates	7,8,11,16,21	D,E,J,K	Malathion	1,5,8,13,15,22	B,D,G,J
Phenol	3,4,8,16,21	G,J,K	Parathion	1,3,4,5,11,13,15,19	B,D,E,J,K
Tetrachloroethylene	Ca,7,8,11,16,20	D,E,G,J,J			
Toluene	4,6,11	D,G,J,K			
1,1,1-Trichloroethane	4,8,11	D,E,K			
Trichloroethylene	Ca,4,8,11,15,22	D,G,J,J,K			
Vinyl Chloride	Ca,1	B,D,G,J			
Xylene	1,5,8,15,18,21	B,D,E,G,J,K			

Metal	CAS #	PEL	Health Effects	Target Organs
Arsenic, inorganic	7440382	0.01 mg/m^3	Ca, 4, 17, 20	G, H, J, K
Asbestos	1332214	0.2 fibers/cc	Ca, 17	H
Chromium VI	7440473	0.05 mg/m^3	Ca, 17	J
Copper	7440508	1.0 mg/m^3	4,8,16,21	G,J,J,K
Cyanide	151508	5.0 mg/m^3	4,8,11,15,17,23	D,E,J,K
Lead	7439921	0.05 mg/m^3	1	B,D,J
Mercury	7439976	0.05 mg/m^3	4,8,9,11	D,E,J,J,P
Phosphorous	7723140	0.1 mg/m^3	1,8,17	E,E,G,J,J,K
Polynuclear Aromatics (coal tar pitch volatiles)	8007452	0.2 mg/m^3	Ca, 4	A,J,J,K
Silica (crystalline)	14808607	0.05 mg/m^3	17	J

CAS# = Chemical Abstract Services Number

PEL = OSHA Permissible Exposure Limit

HEALTH EFFECTS

1. Abdominal Pain
2. Coma
3. Convulsions
4. Dermatitis
5. Diarrhea
6. Dilated Pupils
7. Dizziness
8. Eye Irritation
9. Fatigue
10. Giddiness
11. Headache
12. Light Headed
13. Miosis (Pinpoint Pupils)
14. Narcosis
15. Nausea
16. Nose Irritation
17. Respiratory Irritant
18. Staggering Gait
19. Sweating
20. Tearing
21. Throat Irritation
22. Vertigo
23. Vomiting

Ca Carcinogen

TARGET ORGANS

A. Bladder
B. Blood
C. Bone Marrow
D. Central Nervous System
E. Eyes
F. Heart
G. Liver
H. Lungs
I. Kidneys
J. Respiratory System
K. Skin

SITE SAFETY PLAN

1.Ø GENERAL

1.1 PURPOSE

THIS SITE SAFETY PLAN ADDRESSES THE ACTIVITIES ASSOCIATED WITH FIELD OPERATIONS CONDUCTED AT THIS SITE. COMPLIANCE WITH THE SITE SAFETY PLAN IS REQUIRED OF ALL E & G CONSRUCTION PERSONNEL, CONTRACTORS, OR A THIRD PARTY THAT ENTERS THE SITE. THIS SITE SAFETY PLAN WILL ADDRESS THE EXPECTED POTENTIAL CHEMICAL AND PHYSICAL HAZARDS THAT MAY EXSIST, OR BE ENCOUNTERED ON THE WORKSITE FOR THIS PROJECT. ALSO, THE INFORMATION CONTAINED HEREIN WILL DEFINE THE SAFETY PRECAUTIONS NECESSARY TO RESPOND TO SUCH HAZARDS SHOULD THEY OCCUR.

1.2 OBJECTIVE

THE PRIMARY OBJECTIVE IS TO ENSURE THE WELL BEING OF ALL FIELD PERSONNEL AND THE COMMUNITY SURROUNDING THIS SERVICE STATION. IN ORDER TO ACCOMPLISH THIS, PROJECT PERSONNEL AND APPROVED SUBCONTRACTORS SHALL ACKNOWLEDGE AND ADHERE TO THE POLICIES AND PROCEDURES ESTABLISHED HEREIN. ACCORDINGLY, ALL PERSONEL ASSIGNED TO THIS PROJECT SHALL READ AND SIGN THE AGREEMENT AND ACKNOWLEDGEMENT STATEMENT (APPENDIX A) TO CERTIFY THAT THEY HAVE READ, UNDERSTOOD, AND AGREED TO ABIDE BY ITS PROVISIONS.

1.3 PERSONNEL TRAINING

ALL PERSONNEL WORKING ON THIS SITE, WHO MAY BE POTENTIALLY EXPOSED TO TOXIC SUBSTANCES OR HAZARDOUS MATERIALS, MUST INITIALLY PARTICIPATE IN A 4Ø HOUR TRAINING PROGRAM (29 CFR 191Ø.12Ø (4)) DESIGNED TOWARDS THE RECOGNITION, EVALUATION, AND CONTROL OF WORKSITE HAZARDS.

1.4 TAILGATE MEETINGS

JOB SITE TAILGATE MEETING SHALL BE CONDUCTED BY THE SITE SAFETY OFFICER AT THE BEGINNING OF EACH SHIFT FOR EACH JOB AND WHENEVER NEW EMPLOYEES ARRIVE AT THE JOB SITE. FOR CONSTRUCTION ACTIVITIES, TAILGATE MEETING MUST BE HELD AT LEAST ONCE EVERY TEN WORKING DAYS. THE INITIAL SITE MEETING SHALL INCLUDE A DISCUSSION OF SITE WORK PLANS, MONITORING PROTECTIVE EQUIPMENT, SITE RULES, SITE HAZARDS, AND THIS SITE SAFETY PLAN. IN ADDITON, FIT-TESTING OF RESPIRATORY PROTECTIVE DEVICES WILL BE CONDUCTED AS PART OF THE SAFETY ORIENTATION MEETING WHEN THE USE OF A RESPIRATOR MAY BE REQUIRED.

2.Ø HAZARD ASSESSMENT

2.1 GENERAL

THE MAJOR CONTAMINANTS EXPECTED TO BE ENCOUNTERED ON THE PROJECT ARE GASOLINE AND ITS HYDROCARBON CONSTITUENTS. THE ANTICIPATED CONTAMINANTS AND THEIR EXPOSURE STANDARDS ARE LISTED IN TABLE 1. POTENTIAL EFFECTS OF ANY EXPOSURE ARE DEPENDENT ON SEVERAL FACTORS, SUCH AS: TOXICITY OF SUBSTANCE, TIME FRAME OF EXPPOSURE, CONCENTRATION OF SUBSTANCE PRODUCING EXPOSURE, GENERAL HEALTH OF PERSON EXPOSED, AND INDIVIDUAL USE OF HAZARD REDUCTION METHODS. IT IS NOT ANTICIPATED THAT THE POTENTIAL LEVELS OF EXPOSURE WILL REACH THE PERMISSIBLE EXPOSURE LIMITS (PEL) OR THRESHOLD LIMIT VALUES (TLV). INHALATION AND DERMAL CONTACT ARE THE POTENTIAL EXPOSURE PATHWAYS. PROTECTIVE CLOTHING WILL BE MANDATORY FOR FIELD PERSONNEL SPECIFIED IN THIS PLAN. IN ADDITION, RESPIRATORY PROTECTIVE DEVICES ARE REQUIRED TO BE WORN BY EACH PERSON ONSITE OR TO BE WITHIN EASY REACH SHOULD IRRITATING ODORS BE DETECTED OR IRRITATION OF THE RESPIRATORY TRACT OCCUR.

TABLE 1
EXPOSURE LIMITS OF ANTICIPATED CHEMICAL CONTAMINANTS

Contaminant	PEL	EL	ED	CL	TWA	STEL
Benzene[1] [skin] & [carc]	1*	----	----------	----	10*	5*
Ethylbenzene	100*	----	----------	----	100*	125*
Toluene [skin]	100*	200*	10 min per 8 hours	500*	100*	150*
Xylene (o,m, & p isomers) [skin]	100*	200*	30 min per 8 hrs	300*	100*	150*
Gasoline[2]	300*	----	----------	----	300*	500*

See notes on page 2 of 2.

TABLE 1
EXPOSURE LIMITS OF ANTICIPATED CHEMICAL CONTAMINANTS

PEL	-	permissible exposure limit: 8 hour, time-weighted average, California Occupational Safety and Health Administration Standard (CAL-OSHA)
EL	-	excursion limit: maximum concentration of an airborne contaminant to which an employee may be exposed without regard to duration provided the 8 hour time-weighted average for PEL is not exceeded (CAL-OSHA)
ED	-	excursion duration: maximum time period permitted for an exposure above the excursion limit but not exceeding the ceiling limit (CAL-OSHA)
CL	-	ceiling limit: maximum concentration of airborne contaminant which employees may be exposed permitted (CAL-OSHA)
TWA	-	time-weighted average: 8 hour, [(same as threshold limit value (TLV)], American Conference of Governmental Industrial Hygienists (ACGIH)
STEL	-	short-term exposure limit: 15 minute time-weighted average (ACGIH)
#	-	milligrams of substance per cubic meter of air (mg/m^3)
*	-	parts of gas or vapor per million parts air
[carc]	-	substance identified as a suspected or confirmed carcinogen
[skin]	-	substance may be absorbed into the bloodstream through the skin, mucous membranes, or eyes
1	-	Federal OSHA benzene limits given for PEL and STEL; STEL has a 50 minute duration limit
2	-	Federal OSHA gasoline limit given for PEL; STEL is the same for FED-OSHA and ACGIH

A brief description of the physical characteristics, incompatibilities, toxic effects, routes of entry, and target organs has been summarized from the NIOSH Pocket Guide to Chemical Hazards for the contaminants anticipated to be encountered. This information is used in onsite safety meetings to alert personnel to the hazards associated with the expected contaminants.

2.2 HAZARDOUS CHEMICALS

2.2.1 BENZENE

BENZENE IS A COLORLESS, AROMATIC LIQUID. BENZENE MAY CREATE AN EXPLOSION HAZARD. BENZENE IS INCOMPATIABLE WITH STRONG OXIDIZERS, CHLORINE, AND BROMINE WITH IRON. BENZENE IS IRRITATING TO THE EYES, NOSE, AND RESPIRATORY SYSTEM. PROLONGED EXPOSURE MAY RESULT IN GIDDINESS, HEADACHE, NAUSEA, STAGGERING GAIT, FATIGUE, BONE MARROW DEPRESSION, OR ABDOMINAL PAIN. ROUTES OF ENTRY INCLUDE INHALATION, ABSORBTION, INGESTION, AND SKIN AND EYE CONTACT. THE TARGET ORGANS ARE BLOOD, THE CENTRAL NERVOUS SYSTEM (CNS), SKIN, BONE MARROW, EYES, AND RESPIRATORY SYSTEM. BENZENE IS CARCINOGENIC.

2.2.2 ETHYLBENZENE

ETHYLBENZENE IS A COLORLESS, AROMATIC LIQUID. ETHYLBENZENE MAY CREATE AN EXPLOSION HAZARD. IT IS INCOMPATIBLE WITH STRONG OXIDIZERS. IT IS IRRITATING TO THE EYES AND MUCOUS MEMBRANES. PROLONGED EXPOSURE MAY RESULT IN HEADACHE, DERMATITIS, NARCOSIS, OR COMA. ROUTES OF ENTRY INCLUDE INHALATION, INGESTION, AND SKIN OR EYE CONTACT. THE TARGET ORGANS ARE THE EYES, UPPER RESPIRATORY SYSTEM, SKIN AND THE CNS.

2.2.3 TOLUENE

TOLUENE IS A COLORLESS, AROMATIC LIQUID AND MAY CREATE AN EXPLOSION HAZARD. TOLUENE IS INCOMPATIBLE WITH STRONG OXIDIZERS. PROLONGED EXPOSURE MAY RESULT IN FATIGUE, CONFUSION, EUPHORIA, DIZZINESS, HEADACHE, DILATION OF PUPILS, LACRIMATION, INSOMNIA, DERMATITIS, OR PHOTOPHOBIA. ROUTES OF ENTRY ARE INHALATION, ABSORBTION, INGESTION, AND SKIN AND EYE CONTACT. THE TARGET ORGANS ARE THE CNS, LIVER, KIDNEYS, AND SKIN.

2.2.4 XYLENE

XYLENE IS A COLORLESS, AROMATIC LIQUID. XYLENE MAY CREATE AN EXPLOSION HAZARD. IT IS IRRITATING TO THE EYES, NOSE, AND THROAT. PROLONGED EXPOSURE MAY RESULT IN DIZZINESS, EXCITEMENT, DROWSINESS, STAGGERING GAIT, CORNEAL VACUOLIZATION, VOMITING, ABDOMINAL PAIN, OR DERMATITIS. ROUTES OF ENTRY ARE INHALATION, ABSORBTION, INGESTION, AND SKIN OR EYE CONTACT. THE TARGET ORGANS ARE THE CNS, EYES, GASTROINTESTINAL TRACT, BLOOD, LIVER, KIDNEYS, AND SKIN.

2.2.5 GASOLINE

GASOLINE IS A COMPLEX MIXTURE OF HYDROCARBONS AND ADDITIVES. CHRONIC EXPOSURES TO A HIGH CONCENTRTATION OF GASOLINE VAPOR MAY CAUSE UNCONSCIOUSNESS, COMA, AND POSSIBLY DEATH FROM RESPIRATORY FAILURE. EXPOSURE TO LOW CONCENTRATIONS OF VAPORS MAY PRODUCE FLUSHING OF THE FACE, SLURRED SPEECH, AND MENTAL CONFUSION.

2.3 INITIAL LEVEL OF PROTECTION

THE MINIMUM ACCEPTABLE LEVEL OF PROTECTION AT THIS SITE IS LEVEL D, AS DESCRIBED IN THE SECTION ENTITLED " WORK PRACTICES AND PERSONAL PROTECTIVE EQUIPMENT".

2.4 INITIAL AIR MONITORING

PRIOR TO THE INITIATION OF ACTIVITY AT THE SITE, AND PERIODICALLY THROUGHOUT SITE OPERATIONS, AMBIENT AIR LEVEL FOR TOXIC VAPORS, POTENTIALLY EXPLOSIVE ATMOSPHERES, WILL BE DETERMINED BY USING A DRAEGER TUBE. MEASUREMENTS WILL BE TAKEN AT THE START OF EACH TASK AND AT ANYTIME DURING THE PROCESS WHEN IT IS SUSPECTED THAT AIR CONCENTRATIONS HAVE CHANGED AS SUGGESTED BY APPROPRIATE WARNING PROPERTIES, INCLUDING ODOR THRESHOLD, IRRITATION, EMPLOYEE STRESS, OR AS OTHERWISE NOTED.

3.Ø SITE CONTROL

3.1 GENERAL

FENCES, CONES, BARRICADES, TAPE, OR A SUITABLE ALTERNATIVE WILL BE USED TO DENY PUBLIC ACCESS TO THE WORKING AREA. THE GENERAL PUBLIC WILL NOT BE ALLOWED CLOSE TO THE WORK AREA UNDER ANY CONDITIONS. IF FOR ANY REASON THE SAFETY OF A MEMBER OF THE PUBLIC MAY BE ENDANGERED, WORK WILL CEASE UNTIL THE SITUATION IS REMEDIED. CONES AND WARNING SIGNS WILL BE USED WHEN NECESSARY TO REDIRECT MOTORISTS OR PEDESTRIANS.

4.Ø WORK PRACTICES AND PERSONAL PROTECTIVE EQUIPMENT

4.1 WORK PRACTICES

THE PROJECT MANAGER WILL CALL UNDERGROUND ALERT (USA) AND THE UTILITIES WILL BE MARKED BEFORE ANY DIGGING IS CONDUCTED ONSITE. PROJECT ACTIVITIES WILL BE CONDUCTED IN ACCORDANCE WITH THE FOLLOWING MINIMUM SAFETY REQUIREMENTS:

A. EATING, DRINKING, AND SMOKING WILL BE RESTRICTED TO A DESIGNATED AREA.

B. FIELD PERSONNEL WILL BE CAUTIONED TO INFORM EACH OTHER OF THE NONVISUAL EFFECTS OF THE PRESENCE OF TOXICS, SUCH AS: HEADACHES, DIZZINESS, NAUSEA, BLURRED VISION, CRAMPS, IRRITAION OF EYES,SKIN,OR RESPIRATORY TRACT, CHANGES IN COMPLEXTION OR SKIN DISCOLORATION, CHANGES IN APPARENT MOTOR COORDINATION, PERSONALITY, DEMEANOR, PUPIL RESPONSE, EXCESSIVE SALIVATION, AND SPEECH ABILITY.

4.2 PERSONAL PROTECTIVE EQUIPMENT

LEVEL D IS THE MINIMUM ACCEPTABLE LEVEL FOR THIS SITE. FIELD PERSONNEL AND VISITORS ARE REQUIRED TO WEAR THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT, AS A MINIMUM, WHILE IN THE WORK AREA AT THE SITE:

A. HARD HAT, SAFETY GLASSES, STEEL TOED BOOTS, GLOVES

B. ORANGE SAFETY VEST (IF EQUIPMENT OR VEHICLES ARE OPERATING ONSITE OR NEARBY)

C. STANDARD TYVEK COVERALLS (WHEN REQUIRED)

D. RESPIRATOR (IF LOWEST PEL OR TLV IS EXCEEDED)

SITE SAFETY PLAN

5.Ø AIR MONITORING PLAN

IT IS NOT ANTICIPATED THAT PROJECT PERSONNEL EXPOSURE WILL EXCEED THE TLV'S OR PEL'S OF THE MATERIALS ; HOWEVER, PROPER PERSONAL PROTECTIVE EQUIPMENT WILL BE WORN WHILE WORKING AT THE SITE. IF THE LOWEST TLV OR PEL IS CONSISTENTLY BEING EXCEEDED IN THE BREATHING ZONE, THEN A RESPIRATOR MUST BE WORN. IF THE CONCENTRATION EXCEEDS 1,ØØØ PPM FOR GAS, THE USE OF A RESPIRATOR IS INAPPROPRIATE AND PERSONNEL MUST WITHDRAW FROM THE SITE.

GASOLINE HAS A FLAMMABLE RANGE FROM APPROXIMATELY 1.4 TO 7.6 PERCENT IN AIR. ONE PERCENT IN AIR IS EQUIVALENT TO 1Ø,ØØØ PPM; THUS THE LOWER EXPLOSIVE LIMIT (LEL) IS 14,ØØØ PPM. NORMALLY EXPLOSIVE LEVELS MAY BE REACHED IN TANKS, PITS, OR OTHER CONFINED SPACES. ANY AREA SUSPECTED OF CONTAINING POTENTIALLY EXPLOSIVE LEVELS OF GASOLINE WILL BE EVALUATED WITH AN INTRINSICALLY SAFE OR EXPLOSION-PROOF COMBUSTIBLE GAS INDICATOR (CGI). PERSONNEL RESPONSE WILL BE BASED ON THE FOLLOWING ACTION LEVELS FROM CGI READING:

A. LESS THAN 1Ø% OF LEL*	THEN	CONTINUE ACTIVITIES AND MONITORING
B. 1Ø TO 25 PERCENT OF LEL*	THEN	CONTINUE MONITORING WITH EXTREME CAUTION AS HIGHER LEVELS ARE ENCOUNTERED
C. GREATER THAN 25% OF LEL*	THEN	EXPLOSION HAZARD. CEASE ACTIVITIES AND VACATE AREA IMMEDIATELY

* CGI READING IN % OF LOWER EXPLOSION LIMIT

IF AN EXPLOSION POTENTIAL IS PRESENT ONSITE BEYOND 25% OF THE LEL THEN ALL E & G CONSTRUCTION PERSONNEL AND SUBCONTRACTORS MUST IMMEDIATELY WITHDRAW FROM THE SITE. THE HAZARD POTENTIAL WILL BE EVALUATED BY MANAGEMENT AND A PLAN OF ACTION WILL BE ASSESSED.

6.Ø EMERGENCY RESPONSE PROCEDURES

6.1 GENERAL

IN THE EVENT OF A FIRE OR EXPLOSION, LOCAL FIRE OR RESPONSE AGENCIES WILL BE CALLED. IN THE EVENT OF AN ACCIDENT RESULTING IN PHSYICAL INJURY, FIRST AID WILL BE ADMINISTERED AND THE INJURED WORKER WILL BE TRANSPORTED TO THE NEAREST HOSPITAL OR EMERGENCY MEDICAL CLINIC FOR TREATMENT. A PHYSICIANS ATTENTION IS REQUIRED REGARDLESS OF THE SEVERITY OF THE INJURY.

SITE SAFETY PLAN

6.2 OVERT PERSONNEL EXPOSURE

IF OVERT PERSONNEL EXPOSURE OCCURS DURING THE PROJECT TYPICAL RESPONSES SHOULD INCLUDE THE FOLLOWING:

SKIN OR EYE CONTACT:	WASH AND RINSE AREA THOROUGHLY WITH SOAP AND WATER, EYES AND SKIN SHOULD BE RINSED FOR A MINIMUM OF 15 MINUTES UPON CHEMICAL CONTAMINATION. THEN PROVIDE APPROPRIATE MEDICAL ATTENTION.
INHALATION:	MOVE TO FRESH AIR AND, TRANSPORT TO EMERGENCY HOSPITAL
INGESTION:	TRANSPORT TO HOSPITAL
PUNCTURE WOUND: OR LACERATION	TRANSPORT TO HOSPITAL

THE SITE SAFETY PLAN HAS BEEN REVIEWED BY THE FOLLOWING PERSONS:

PROJECT MANAGER: MARK EAST

HEALTH AND SAFETY COORDINATOR: MARK LARSON

SITE SAFETY PLAN

AGREEMENT AND ACKNOWLEDGEMENT STATEMENT

SITE SAFETY PLAN AGREEMENT:

ALL E & G PROJECT PERSONNEL AND SUBCONTRACTOR PERSONNEL ARE REQUIRED TO SIGN THE FOLLOWING AGREEMENT PRIOR TO CONDUCTING WORK AT THE SITE.

1. I HAVE READ AND FULLY UNDERSTAND THE SITE SAFETY PLAN AND MY INDIVIDUAL RESPONSIBILITIES.

I AGREE TO ABIDE BY THE PROVISIONS OF THE SITE SAFETY PLAN.

MARK LARSON	Mark Larson
NAME	SIGNATURE
E & G Construction	6-18-93
COMPANY	DATE
E & G Const	Robert Johnson
NAME	SIGNATURE
Robert Johnson	6-18-93
COMPANY	DATE
~~E & G~~ DOUG LARSON	Doug Larson
NAME	SIGNATURE
E & G Construction	6-18-93
COMPANY	DATE
NAME	SIGNATURE
COMPANY	DATE
NAME	SIGNATURE
COMPANY	DATE

HAZARDOUS MATERIALS — ALAMEDA COUNTY

Site Brief for UNDERGROUND TANKS

for the City of Alameda — as of 04/23/92

Status	UTID/ BillID	Name of Site	Site Address	#Tanks	PERMITS:
		(SS). FP ✓ 7/R Lewelling Blvd. S.L.			
VSP. SH	3629 C T61043	Arco Station #02112 FP ✓	1260 Park St. Alameda , CA 94501	4	I:12/27/91 F:01/23/92
LS	3858 C T61043	Arco AM/PM Minimarket FP #0 ✓	1001 San Pablo Ave. Albany , CA 94706	4	I:-0- F:-0-
	658 C T61043	Arco Station #04977	2770 Castro Valley Blvd. Castro Valley , CA 94546	3	I:09/06/88 F:-0-
SS	3943 C T61043	Arco Station #02152	22141 Center St. Castro Valley , CA 94546	3	I:09/06/88 F:-0-
LA	1053 C T61043	Arco Station #06041	7249 Village Pkwy. Dublin , CA 94568	3	I:09/06/88 F:-0-
DE	817 C T61043	Arco Station #05387 FP ✓	20200 Hesperian Blvd. Hayward , CA 94541	4	I:09/06/88 F:-0-
SH	2112 C T42311	Springtown Arco	909 Bluebell Dr. Livermore , CA 94550	3	I:-0- F:-0-
	3941 C T61043	Arco Facility #00498	286 S. Livermore Ave. Livermore , CA 94550	3	I:09/06/88 F:-0-
SH	3873 C T61043	Arco Station #00771 FP ✓	899 Rincon Ave. Livermore , CA 94550	4	I:09/06/88 F:-0-
SH	-0- C T61043	Arco Station #06113	785 E. Stanley Blvd. Livermore , CA 94550	3	I:09/06/88 F:-0-
	198 R T61026	Wong's Arco	2032 E. - 12th St. Oakland , CA 94606	0	I:-0- F:-0-
SC	3876 C T61043	Arco Station #02185	9800 E. - 14th St. Oakland , CA 94603	4	I:09/06/88 F:-0-
	1130 C TA1036	Freeway Arco	2740 - 98th Ave. Oakland , CA 94605 Arco?	4	I:10/13/87 F:-0-
DB	3793 C T61043	Arco Station #02169 (SH) ✓	889 W. Grand Ave. Oakland , CA 94607	4	I:-0- F:-0-
PS	3749 -0-	R Gin's Arco Service	706 Harrison St. Oakland , CA 94612 Arco?	0	I:-0- F:-0-
SC	3854 C T61043	Arco Station #04494 FP ✓	566 Hegenberger Rd. Oakland , CA 94621	3	I:02/05/88 F:01/30/91
	1038 C T21043	Zema Ctr. Inc. Arco	2951 High St. Arco? Oakland , CA 94619	5	I:02/05/88 F:-0-
SH	3874 C T61043	Arco Station #04931 FP ✓	731 W. MacArthur Blvd. Oakland , CA 94609	4	I:-0- F:-0-
PS	3756 C T61043	Arco Station #00276 FP ✓	10600 MacArthur Blvd. Oakland , CA 94605	4	I:-0- F:-0-
	851 C T41043	Mountain Blvd. Arco #796	2844 Mountain Blvd. Oakland , CA 94602	4	I:04/14/88 F:-0-
OS	-0- C T61043	Arco Station #02107	3310 Park Blvd. Oakland , CA 94610	3	I:09/06/88 F:-0-
	3942 C T61043	Arco Station #06002	6235 Seminary Ave. Oakland , CA 94605	4	I:09/06/88 F:07/30/91
SH	3626 C T61043	Arco Station #06148	5131 Shattuck Ave. Oakland , CA 94609	3	I:09/06/88 F:-0-
SH	-0- C T61043	Arco Station #00374 FP ✓	6407 Telegraph Ave. Oakland , CA 94609	3	I:09/06/88 F:-0-
	-0- -0-	F freedom arco mini mart	15101 Freedom Ave. Arco? San Leandro , CA 94578	3	I:-0- F:-0-
	1794 C T81053	Tharco	2222 Grant Ave. Arco? San Lorenzo , CA 94580	1	I:08/16/88 F:-0-
PE	779 C T61043	Arco Station #00608 #779 FP ✓	17601 Hesperian Blvd. San Lorenzo , CA 94580	4	I:09/06/88 F:12/31/91

PEV REMEDIATION : FP ✓ 20200 Hesperian Blvd. V HAYWARD V BNA. 5yr permit

July 15, 1991

Alameda County Department of Environmental Health
80 Swan Way
Oakland, California 94621

Attention: Mr. Rafat Shahid

ARCO Products Company Facilities in Alameda County - RWQCB Fuel Leaks List

Dear Mr. Shahid

Please find attached, Quarterly Summary Reports (QSRs) for ARCO Products Company Service Stations in Alameda County. The QSRs summarize activities conducted by ARCO at the respective sites during the second quarter of 1991; also included are projected site activities for the third quarter of 1991 and a bibliography of reports submitted for each location.

The QSRs are classified by address within the County. We are submitting this document and attached QSRs as agreed in our recent meeting with the RWQCB. Please note that we are forwarding copies of the QSRs to the RWQCB as well.

ARCO Products Company has reviewed the Regional Water Quality Control Board's (RWQCB) February 19, 1991 printout of ARCO fuel leak sites in the San Francisco Bay Area. We have evaluated each site with respect to ARCO's responsibility for investigation, monitoring, and/or remediation. It is ARCO's belief that several of the sites originally attributed to ARCO are actually the responsibility of other parties. We have therefore prepared QSRs and a brief discussion regarding those sites which we believe should either be removed from ARCO responsibility or be considered for closure.

ARCO is planning a subsequent comprehensive QSR submittal for ARCO sites on October 15, 1991. Please do not hesitate to contact us with any questions regarding this submittal.

Sincerely,

for Kyle A. Christie
Environmental Engineer

Attachments:
Non-ARCO Facility/Site Closure Discussion and QSRs
ARCO Facility QSRs

NON-ARCO FACILITY/SITE CLOSURE DISCUSSION AND QSRS

Alameda County

Alameda County Sites

Two ARCO facilities including Station Numbers 4977 and 6002 (located at 2770 Castro Valley Road, Castro Valley and 6235 Seminary Avenue, Oakland) experienced vapor/vent line failure during UST system precision testing. In accordance with State Water Resources Control Board (SWRCB) letter LG-43, ARCO requests that these facilities be removed from the RWQCB fuel leaks list.

A small volume of hydrocarbons were released from ARCO Station Number 498 located at 286 South Livermore Avenue, Livermore. The product was released to an on-site secondary containment trench and was subsequently removed; no product was released to the soil or groundwater. Alameda County issued a letter to ARCO on May 24, 1991 stating that no further action is necessary at this site.

A total of seven Alameda County ARCO facilities listed by the RWQCB were not ARCO-owned at the time of the release discovery and/or report. These sites include Station Numbers 188, 329, and 623 (respectively located at 4191 First Street, Pleasanton, 2032 12th Street, Oakland, and 2110 Mountain, Oakland) and facilities located at 2951 High Street, 4401 Market Street, 2844 Mountain Boulevard, and 2740 98th Street, Oakland.

ARCO has prepared QSRs for each of these facilities; however, we request that the cases be omitted from the leaks list or be referred to the actual responsible party, as appropriate. The ownership information for the individual sites is included on the attached QSRs.

Finally, the RWQCB February 19, 1991 printout lists two sites which are actually the same. The facility listed as 71 MacArthur Boulevard is actually ARCO Service Station Number 4931 located at 731 West MacArthur Boulevard in Oakland.

Attachment:
Non-ARCO Facility QSRs

UST LEAK SITE UPDATE Date of Last Review/Update _____ Current Date July 15, 1991

SITE IDENTIFICATION

Name ARCO STATION Case No. Site _____

Address 2740 - 98th Avenue
Street Number Street

Oakland, CA 94605
City Zip Code

Alameda County Substance waste oil
County

Local Agency Alameda County Environmental Health Department

Regional Board San Francisco Bay Region

LEAD STAFF PERSON Unknown

CASE TYPE

_____ Undetermined _____ Soil Only _____ Ground Water _____ Drinking Water

STATUS (Date indicates when case moved into status)

_____	No Action Taken	Date _____
_____	Leak Being Confirmed	Date _____
_____	Preliminary Site Assessment Workplan Submitted	Date _____
_____	Preliminary Site Assessment Underway	Date _____
_____	Pollution Characterization	Date _____
_____	Remediation Plan	Date _____
_____	Remedial Action Underway	Date _____
_____	Post Remedial Action Monitoring	Date _____
_____	Case Referred to Regional Board	Date _____
_____	Case Referred to Dept. of Health Services	Date _____
_____	Case Closed	Date _____

REMEDIAL ACTION

COMMENTS

According to the County tax assessor's records, Perry K. Pahlmeyer has owned this site since 3-25-69 (at time of leak discovery). This site has been operated by Que Ghafani and the business owned by Tammora since 1981. ARCO did not own the site at the at the date of the leak discovery and/or leak report. We therefore request that ARCO be deleted as responsible party from this site.

Name _____

Contact _____ Phone ( ) _____

Address _____
Street Number Street

_____
City State Zip Code

January 90 went independent from ARCO

when did site become Rhino

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Inspection Form

Rhino Gas

owner - Took over Perry Pahlmeyer

II,III

Site ID # ____ Site Name Kiyoumars Ghofrani Today's Date 1/28/91

Site Address 2740 98th Ave

City Oakland Zip 94605 Phone 562-4505

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:
- ____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ____ II. Business Plans, Acute Hazardous Materials
- X III. Underground Tanks

• Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.A BUSINESS PLANS (Title 19)

__	1. Immediate Reporting	2703
__	2. Bus. Plan Stds.	25503(b)
__	3. RR Cars > 30 days	25503.7
__	4. Inventory Information	25504(a)
__	5. Inventory Complete	2730
__	6. Emergency Response	25504(b)
__	7. Training	25504(c)
__	8. Deficiency	25505(a)
__	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

__	10. Registration Form Filed	25533(a)
__	11. Form Complete	25533(b)
__	12. RMPP Contents	25534(c)
__	13. Implement Sch. Req'd? (Y/N)	__
__	14. Offsite Conseq. Assess.	25524(c)
__	15. Probable Risk Assessment	25534(d)
__	16. Persons Responsible	25534(g)
__	17. Certification	25534(i)
__	18. Exemption Request? (Y/N)	25536(b)
__	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

__	1. Permit Application	25284 (H&S)
__	2. Pipeline Leak Detection	25292 (H&S)
__	3. Records Maintenance	2712
__	4. Release Report	2651
__	5. Closure Plans	2670

Monitoring for Existing Tanks

__ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tsting
8) Annual Tank Testing
Daily Inventory
9) Other ____

__	7. Precis Tank Test Date: ____	2643
__	8. Inventory Rec.	2644
__	9. Soil Testing.	2646
__	10. Ground Water.	2647

New Tanks

__	11. Monitor Plan	2632
__	12. Access. Secure	2634
__	13. Plans Submit Date: ____	2711
__	14. As Built Date: ____	2635

Rev 6/88

Comments:

(4) UST 1 waste oil 500 gal single walled
(2) 1000 unleaded
(1) 5000 Super unleaded
Current tank integrity test on record performed
12/21/90 - waste oil
12/9/90 - other 3 fuel
(has a vacuum system for fuel delivery)
I gave mr Ghofrani a Quarterly monitoring report to be submitted up inventory disparities.
- Inventory reconciliation is being conducted onsite. Records are available for past years However Calculations are not being performed to determine the amount of disparity which is occurring.
- Need written monitoring plan.
- I informed mr Ghofrani of the necessity of monitoring his 5000 gal waste oil tank & maintain records
Records for waste oil pickup are available last time 1/4/91

Business plan on file

no records whatsoever in file from II, III when site was an ARCO station.

Contact: Kiyoumars Ghofrani

Title: owner

Signature: [signature]

Inspector: Paul Smith

Signature: Paul M. Smith

HAZARDOUS MATERIALS ALAMEDA COUNTY

Site Brief for G E N E R A T O R S as of 12/28/90 page 1

for the City of Dublin

StID#	Name of Site	Site Address	Zip	LastInsp	#Empl	Sta
1053	Teutsch Enterprises,	7249 Village Pkwy.	568	02/26/90	8	C
1893	Arco Station #02147	40055 Blacow Rd.	538	03/08/88	4	C
2173	Arco Station #02158	35900 Fremont Blvd.	536	08/31/88	1	C
2385	Mission Valley Arco	40077 Mission Blvd.	539	08/02/90	6	C
3006	Kolor by Marcos	2070 American Ave.	545	05/23/90	1	C
817	Arco Station #05387	20200 Hesperian Blvd.	541	01/30/90	0	I
1908	Arco Station #01319	365 Jackson St.	544	03/18/88	2	C
1862	Fairway Park Arco	29900 Mission Blvd.	544	12/18/90	2	B
2112	Spring Town Arco	909 BlueBell Dr.	550	03/19/90	2	I
198	Bill Davis Arco	2032 E. - 12th St.	606	10/30/86	2	I
1130	Freeway Arco	2740 - 98th Ave.	605	07/01/86	2	C
1038	High St. Arco	2951 High St.	619	01/29/87	2	C
* 812	Leon's Arco	4401 Market St. OAK	608	-0-	1	C
851	Mountain Blvd. Arco	2844 Mountain Blvd.	602	11/07/90	2	C
813	ARCO T & A Service	6211 San Pablo Ave.	608	-0-	2	C
* 744	Arco Station #02111	1156 Davis St.	577	07/02/86	6	C
~~1794~~	~~[illegible]~~	~~2288 Grant Ave.~~	~~580~~	~~06/09/89~~	~~130~~	~~C~~
779	Arco Station #00608	17601 Hesperian Blvd.	580	08/05/88	5	C
3179	Carco, Inc.	30 Union Square	587	10/23/90	7	C

STATUS: C = Current I = Inactive Q = needs Questionnaire

Count = 19

17

UTID/ Status BillID		Name of Site	Site Address	#Tanks	PERMITS:
-0- T61043	C	Arco Station #02112	1260 Park St. Alameda , CA 94501	5	I:09/06/88 F:-0-
784 T61043	C	Arco Station #02035	1001 San Pablo Ave. Albany , CA 94706	4	I:09/06/88 F:-0-
658 T61043	C	Arco Station #04977 AM/PM	2770 Castro Valley Blvd. Castro Valley , CA 94546	3	I:09/06/88 F:07/05/88
-0- T61043	C	Arco Station #02152	22141 Center St. Castro Valley , CA 94546	3	I:09/06/88 F:-0-
1053 T61043	C	Arco Station #06041	7249 Village Pkwy. Dublin , CA 94568	4	I:09/06/88 F:-0-
813 T10115	C	Arco K&V Gas Foodmart	6211 San Pablo Ave. Emeryville , CA 94608	3	I:-0- F:-0-
[illegible] T61043	C	Arco Station #05387	20200 Hesperian Blvd. Hayward , CA 94541	4	I:09/06/88 F:-0-
-0- T21120	C	Airport Arco	20450 Hesperian Blvd. Hayward , CA 94541	3	I:02/03/89 F:-0-
~~3112~~ T42311	C	Springtown Arco	909 Bluebell Dr. Livermore , CA 94550	3	I:-0- F:-0-
-0- T61043	C	Arco Station #00771	899 Rincon Ave. Livermore , CA 94550	5	I:09/06/88 F:-0-
198 T61026	R	Wong's Arco	2032 E. - 12th St. Oakland , CA 94606	0	I:-0- F:-0-
-0- T61043	C	Arco Station #02185	9800 E. - 14th St. Oakland , CA 94603	4	I:09/06/88 F:-0-
1130 TA1036	C	Freeway Arco	2740 - 98th Ave. Oakland , CA 94605	4	I:10/13/87 F:-0-
-0- T61043	C	Arco Station #02169	889 W. Grand Ave. Oakland , CA 94607	5	I:09/06/88 F:-0-
-0- -0-	R	Gin's Arco Service	706 Harrison St. Oakland , CA 94612	0	I:-0- F:-0-
-0- T61043	C	Arco Station #04494	566 Hegenberger Rd. Oakland , CA 94621	3	I:02/05/88 F:-0-
1038 T21043	C	High St. Arco	2951 High St. Oakland , CA 94619	5	I:02/05/88 F:-0-
-0- T61043	C	Arco Station #04931	731 W. MacArthur Blvd. Oakland , CA 94609	4	I:09/06/88 F:-0-
-0- T61043	C	Arco Station #00276	10600 MacArthur Blvd. Oakland , CA 94605	3	I:09/06/88 F:-0-
851 T41043	C	Mountain Blvd. Arco	2844 Mountain Blvd. Oakland , CA 94602	4	I:04/14/88 F:-0-
-0- T61043	C	Arco Station #02107	3310 Park Blvd. Oakland , CA 94610	3	I:09/06/88 F:-0-
-0- T61043	C	Arco Station #06002	6235 Seminary Ave. Oakland , CA 94605	4	I:09/06/88 F:-0-
-0- T61043	C	Arco Station #06148	5131 Shattuck Ave. Oakland , CA 94609	3	I:09/06/88 F:-0-
-0- T61043	C	Arco Station #00374	6407 Telegraph Ave. Oakland , CA 94609	3	I:09/06/88 F:-0-
-0- -0-	F	Freedom Arco	15101 Freedom Ave. San Leandro , CA 94578	3	I:-0- F:-0-
~~1794~~ ~~T81053~~	~~C~~	~~Pharco~~	~~2222 Grant Ave. San Lorenzo , CA 94580~~	~~1~~	~~I:08/16/88~~ F:-0-
779 T61043	C	Arco Station #00608	17601 Hesperian Blvd. San Lorenzo , CA 94580	4	I:09/06/88 F:-0-

HAZARDOUS MATERIALS ALAMEDA COUNTY

Site Brief for A B - 2 1 8 5
for the city of Alameda

printed: 12/28/90
page: 1

ABID/BillID	Name of Site	Site Address	Zip	SysEntry	S
/L71107	Arco Station #02112	1260 Park St.	501	10/24/90	C
/L91227	Arco Station #02035	1001 San Pablo Ave.	706	08/14/89	C
658/HL7111	Arco Station #04977	2770 Castro Valley Blvd.	546	08/14/89	C
/HL7112	Arco Station #02152	22141 Center St.	546	08/14/89	C
1053/HL7114	Arco Station #06041	7249 Village Pkwy.	568	06/04/90	C
/LC1217	Arco Station #05387	20200 Hesperian Blvd.	541	06/04/90	C
/L22223	Airport Arco	20450 Hesperian Blvd.	541	08/01/89	C
/	Springtown Arco	909 Bluebell St.	550		P
/L41112	Arco Station #00771	899 Rincon Ave.	550	07/28/89	C
/L81123	Arco Station #02185	9800 E. - 14th St.	603	08/14/89	C
1130/L91386	Freeway Arco	2740 - 98th Ave.	608	09/18/89	C
/L81146	Arco Station #02169	889 W. Grand Ave.	607	08/14/89	C
/L81176	Arco Station #04494	566 Hegenberger Rd.	621	08/14/89	C
1038/	High St. Arco	2951 High St.	619	03/21/89	P
/L81178	Arco Station #04931	731 W. MacArthur Blvd.	609	06/04/90	C
/L81128	Arco Station #00276	10600 MacArthur Blvd.	605	11/20/89	C
851/L12017	Mountain Blvd. Arco Servi	2844 Mountain Blvd.	602	11/30/90	M
/L81188	Arco Station #02107	3310 Park Blvd.	610	08/14/89	C
/L81295	Sunshine Petroleum, Inc.	6211 San Pablo Ave.	608	12/28/90	M
/HL8112	Arco Station #06002	6235 Seminary Ave.	605	08/31/90	C
/L81130	Arco Station #06148	5131 Shattuck Ave.	609	06/04/90	C
/L81179	Arco Station #00374	6407 Telegraph Ave.	609	08/14/89	C
744/HL7116	Arco Station #02111	1156 Davis St.	577	08/14/89	C
/HL7118	Arco Station #00601	712 Lewelling Blvd.	579	08/14/89	C
~~1784/LA1469~~	~~Pharco~~	~~2223 Grant Ave.~~	~~580~~	~~07/28/89~~	~~C~~
779/HL7119	Arco Station #00608	17601 Hesperian Blvd.	580	08/14/89	C

Arco Stati

Report Total : 26

Status Codes: C=Current/Part2 M=Current/Part1 P=awaiting busPla
B=ready for Billing A=ready for Billing I=Inactive

6211 San Pablo
no UST MP.

~~Secretary~~ SUSAN L HUGO

ARCO

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

Certified Mail # P 833 981 403

May 11, 1989

Mr. Kiyoumars Ghofrani
Freeway Arco
2740 - 98th Ave.
Oakland, CA 94605

RE: Notice of Violation

Dear Mr. Ghofrani:

An inspection of your facility was conducted by Hazardous Materials Specialist, Ariu Levi of this office on April 28, 1989. This inspection was to evaluate your degree of compliance with California Hazardous Waste Control Laws.

Several violations were found that will require clean up and /or corrective action. The following describes the deficiencies or violations that will require the submittal of a plan of correction and remedial action:

California Code of Regulations, Title 23 (CCR23), Section 2641, requires the implementation of one of seven approved monitoring systems for existing underground tanks. When questioned concerning the method in use for the product fuel tanks, and the waste oil tank, you indicated no method was in use and that your facility was not yet in compliance. Also, a review of this office's records on your facility found that an inspection on 7/1/86 informed you that no leak detection system was on your tanks.

CCR23, Section 2651 & 2652, requires that unauthorized releases from underground tanks be properly reported. Your facility experienced a release of unknown quantity from the waste oil tank and failed to report the release or conduct clean up. The quantity lost was great enough to drain into exposed soil, leach into a collection pipe that emptied onto Stanley Street, drain onto exposed soil, and run down slope for approximately 150 feet. A composite sample from three points in the affected area was taken for TOG analysis and quantification.

You are informed that:

California Health and Safety Code, Section 25250.4, states, Used oil regulated by the Department shall be managed as a hazardous waste.

California Health and Safety Code, Section 25250.5, states, Disposal of used oil by discharge to sewers, drainage systems, surface or groundwater, watercourses; or deposit on land, is prohibited

California Health and Safety Code, Section 25189, states, Any person who negligently disposes or causes the disposal of any hazardous or extremely hazardous waste at a point which is not authorized according to the provisions of this chapter shall be subject to a civil penalty of not more than twenty five thousand dollars ($25,000) for each violation..

CCR, title 22, Section 66328 (d), states, If corrections are needed, the operator shall provide the Department with a written plan of correction which states the action to be taken and the expected dates of completion.

Your plan of correction must include, but is not limited to, the following:

1. Steps taken to comply with CCR, Title 23 monitoring requirements.
2. Determine quantity of lost waste.
3. Site assessment to determine extent of soil contamination and the possibility of ground water contamination.
4. Names of contractors involved in site assessment, and clean up. Provide Contractor license types, and professional qualifications
5. Method of clean up.
6. End destination of contaminated soils and other hazardous waste.
7. Criteria used to determine "clean".
8. Steps taken to prevent the problem from reoccurring.

You are requested to respond to the contents of this letter within fifteen (15) days from the above letter date. If you have any questions concerning the content of this letter, or the status of this case please contact Hazardous Materials Specialist, Ariu Levi. Mr. Levi can be reached at 271-4320.

Sincerely,

Edgar B. Howell for

Rafat A. Shahid, Chief
Hazardous Materials Program

RAS:al

cc: Gil Jensen, Alameda County District Attorney, Consumer and Environmental Protection
Lisa McCann, RWQCB
Alan Whitman, OPD
Howard Hatayama, DOHS
Ariu Levi, Alameda County Hazardous Materials
Files