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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

January 23, 2002

Tom Bauhs
Chevron USA Inc.
Site Assessment & Remediation
Bldg. L, Rm. 1110
P.O. Box 6004
San Ramon, CA 94583-0904

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To G. Dueric From D. Drocks
Co. Ucupa, Rosen, Rosen, Posen, Po

Dear Mr. Bauhs:

SUBJECT: INTENT TO MAKE A DETERMINATION THAT NO FURTHER ACTION IS REQUIRED OR ISSUE A CLOSURE LETTER FOR Chevron Service Station #9-3415, 4500 Park Blvd., Oakland, CA 94602; RO0000512

This letter is to inform you that this agency intends to make a determination that no further action is required at the above site or to issue a closure letter. Please notify this agency of any input and recommendations you may have on these proposed actions within time period allotted.

In accordance with section 25297.15 of Ch. 6.7 of the Health & Safety Code, you must provide certification to the local agency that all of the current record fee title owners have been informed of the proposed action. Please provide this certification to Alameda County Environmental Health within 20 days of the date of this letter.

If you have any questions about these proposed actions, please contact Don Hwang at (510) 567-6746.

Sincerely,

Don Harris



1111 Brosdway, 24th Floor Oakland, CA 94607-4036

Post Office Box 2047 Oakland, CA 94604 2047

Telephone: (510) 622-7629
Fax: (510) 834-1928
gduerig@wendel.com

FAX COVER LETTER

September 24, 2002

	Company:	Telephone:	Fax:				
To:	Conquary.		(510) 337-9335				
Donna Drogos	Alameda County Environmental Health Services	(510) 567 6721	(110) 557-7227				
			~ 3				
From:	G.F. Duerig	Number of Pages:	72 0				
Client Code:	000797.0014						
	"Former" Chovron (active Chevron Texaco) Station, 4500 Park, Oakland						
Regarding:	(LOP #R00000512)						

Donna -

Received your fax — thanks. One of the missing pages was "page 5" of the RWQCB's Case Closure Summary. As it turns out, this is the page that I was trying to describe to you on the telephone when we spoke earlier this morning. RWQCB appears to make this a "conditional" closure, given its active status spoke earlier this morning. RWQCB appears to make this a "conditional" closure, given its active status spoke earlier this morning. RWQCB appears to make this a "conditional" closure, given its active status spoke earlier this morning. RWQCB appears to make this a "conditional" closure, given its active status spoke earlier this morning. It believe that the letter WRBD sent you on July 23, 2002 gives adequate notice of a (see enclosed). I believe that the letter WRBD sent you on July 23, 2002 gives adequate notice of a new/second release at the site and warrants either reopening the case or opening a new one at the same site, depending on the ACEH's policies. Thanks, in advance, for your time and assistance in addressing this matter.

Jill

The information contained in this feetunite is confidential and may also be privileged. The information is intended only for the 190 of the individual or entity to whom it is addressed. If you are not the intended recipient, you are hereby notified that any use, discontinuous, distribution or copying of the communication in adjust, which prohibited. If you have received fills factivable in error, please immediately entity or by a collect retephrate call to (510) 834-6600, and return the original message to us the booldness above on the US Postal Service. Thank you

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VIL ADDITIONAL COMMENTS, DATA, ETC.

In August and September 1994, the product lines from three underground gasoline storage tanks and a 500 gallon single wall waste oil underground storage tank were removed. On August 16, 1994, six soil samples, P-1, P-2, P-3, P-4, P-5, and P-6, were collected at 3.5 feet below surface grade (bsg) beneath the product lines. The samples were analyzed for Total Petroleum Hydrocarbon- Gasoline (TPH-C), and Benzene, Toluene, Ethylbenzene, Xylene (BTEX). For P-1, the concentrations found were 8,200, 0.26, 3.6, 6.7, and 6.5 parts per million ppm, respectively. For P-2, the concentrations found were 420, 0.58, 9.4, 6.5, and 44 ppm, respectively. For P-3, P-4, P-5, and P-6, the concentrations were NonDetecrable (ND) for all constituents. On September 19, 1994, two soil samples, WO-1-8.5' and WO-2-8.5', were collected beneath the waste oil tank at 8.5 feet beg. The samples were analyzed for Total Petroleum Hydrocarbon- Diesel (TPH-D), TPH-G, Total Oil & Grease (TOG), BTEX, Cadmium, Chromaum, Lead, Nickel, Zinc, Halogenated Volatile Organics, and Semi- Volatile Organics. The concentrations found in WO-1-8.5' were 1,200 ppm, 440, 1100, ND, 3.1, 2.3, 21, 0.3, 11, 11, 33, 29, ND, and ND, respectively. The concentrations found in WO-2-8.5' were 1,500 ppm, 170, 1000, ND, 0.5, ND, 4.2, 0.4, 14, 8, 36, 32, ND, and ND, respectively.

On May 3, 1995, four soil borings, MW-1, MW-2, MW-3, and MW-4, were drilled. Soil boring MW-3 was abandoned at 2 feet beg when backful from the tank pit was encountered. MW-1, MW-2, and MW-4, were terminated when drilling refusal was encountered due to bedrock. The depths reached for MW-1, MW-2, and MW-4, were 25 feet beg. 25 feet beg, and 30 feet beg, respectively. The soil borings were not converted into groundwater monitoring wells because groundwater was not encountered. Soil samples were collected at 5 foot intervals. The soil boring samples collected at 10 and 20 feet beg in MW-1, 10 and 25 feet beg in MW-2, and 10 and 25 feet beg in MW-4, were analyzed for TPH-G and BTEX. The soil boring samples collected from MW-2 were also analyzed for TPH-D, TPH-Motor Oil (TPH-MO), and halogenated volatile organic (HVO) TPH-G, BTEX, and HVO were ND for all samples. TPH-D was 1.8 ppm and 2.3 ppm for MW-2 at 10 feet and at 25 feet, respectively. TPH-MO was ND and 20 ppm, respectively, for the same two samples.

On October 26, 2000 three borings, G-1, G-2, and G-3, were drilled. The borings were advanced to bedrock at a depth of 13.5 ft. to 15.5 ft bag. Groundwater was not encountered. Soil samples were only analyzed for Methyl Tertiary-Butyl Ether (MTBE). None of the samples contained detectable concentrations of MTBE.

Residual petroleum hydrocarbon remains in soil beneath the north dispensers at 3.5 ft. bsg. Residual chlorinated hydrocarbons [1,1,1 trichloroctheme (1,1,1-TCA) and tetrachloroctheme (PCE)] also exists in soil beneath the former waste oil tank at 8.5 ft. bsg. The vertical extent of the contamination has not been delineated. A comparison of the maximum concentrations of contaminants detected to the Oukland Tier 1 Risk Based Screening Levels (RBSLs), found that beavene exceeded the Tier 1 RBSL. The Tier 1 RBSL was for carcinogenic risk for inhalation of indoor six vapors from subsurface soil for residential land use. The maximum soil sample concentration for beavene was 0.58 mg/kg, exceeding its Tier 1 RBSL of 0.069 mg/kg. However,

Page 4

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for the same medium and exposure pathway for commercial/industrial land use, the Tier 1 RBSL of 1.1 mg/kg was not exceeded. The maximum soil sample concentrations for toluene, ethylbenzene, xylene, 1,1,1-TCA, and PCE, did not exceed their Tier 1 RBSLs for inhalation of indoor air vapors from subsurface soil for residential land use. Because the site is currently occupied by an active service station, further delineation of the contamination can be performed in the future when the current tank system is removed or another fuel release is identified. Also, contamination is not likely to migrate much vertically beyond the sandstone bedrock at 15 - 25 ft. bsg. Additional subsurface investigations are not warranted at this time.

In summary, case closure is recommended because:

- o the leak and ongoing sources have been removed;
- o the site has been adequately characterized;
- o no water wells, surface water, or other sensitive receptors are likely to be impacted; and,
- o the site presents no significant risk to human health or the environment.



JUL 2 5 2002

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July 23, 2002

VIA FACSIMILE AND MAIL

Ms. Donna Drogos
Local Oversight Program Manager
Alameda County Environmental Health Department
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Re: Possible Site Closure - former Chevron Service Station #9-3415 (LOP Case

No.: RO0000512)

Dear Ms. Drogos:

We represent Donald Lee, record owner of the property at 4500 Park Boulevard, Oakland, CA 94602 ("the Site"). It has come to our attention that case closure was proposed by consultants acting on behalf of ChevronTexaco for the service station located at the Site. The record owner has not received formal notification of this proposed closure consistent with Health and Safety Code section 25297.15. However, we want to go on record as opposing any site closure at this time.

First, up to 1500 ppm of TPH-diesel and low levels of both trichloroethane (up to 190 ppb) and tetrachloroethylene (up to 1700 ppb) were detected in soil beneath a former waste oil tank at the Site in 1994. At the same time, product lines from underground gasoline storage tanks were removed and up to 8200 ppm TPH-gasoline was detected in the soil beneath the former product lines. There is minimal documentation available to us concerning any related excavation that may have occurred.

Furthermore, subsequent investigations at the Site never reached groundwater. In 1995, three borings were drilled to depths of 25 – 30 feet where apparently nominal bedrock and/or refusal was encountered. A fourth boring, near the underground gasoline tanks, was not completed because tank backfill material was encountered. The consultant reported the deepest bedrock as "intensely fractured, weathered along fractures." The boring nearest the former waste oil tank had increasing levels of TPH-diesel and TPH-motor oil with depth, with the highest levels at the bottom of the boring (i.e., TPH-d was 2.3 ppm and TPH-mo was 20 ppm at 25 ft.).

In 2000, three more borings were advanced to nominal bedrock and/or refusal at depths of 13 to 16 feet at the Site. In both 1995 and in 2000, the drilling proceeded through weathered

Ms. Donna Drogos July 23, 2002 Page 2

sandstone. Groundwater was not identified in any of the borings although the 2000 borings reported the sandstone as moist. No borings were placed near the underground storage tanks nor near the product line where 8200 ppm of TPH-gasoline had been identified.

In terms of Appendix E of the San Francisco Regional Water Quality Control Board's ("RWQCB") Interim Guidance Document, the Site fails to satisfy the conditions for a low-risk soil contamination site. More specifically:

- No determination of impacts to groundwater has been made. Sandstone and fractured bedrock, both identified below the site, can serve as aquifers and, in fact, the 1995 borings indicate moisture to be present in the sandstone.
- Levels of petroleum contamination were increasing with depth in the 25-foot boring placed immediately adjacent to the former waste oil tank.
- It is unclear whether a well survey has ever been completed for the site.

Finally, we are concerned with ChevronTexaco's failure to disclose an unauthorized release in approximately 1983. Based on a personal communication with the current site tenant, it is our understanding that the fuel tanks were replaced in 1983 following the puncture of one of the gasoline tanks by a dipstick. ChevronTexaco claims that there are no records of the tank puncture or of the replacement project and, to date, has failed to disclose this accidental release in any of their reports to the regulatory agencies.

Please call one of us at your earliest convenience to arrange a meeting of interested parties.

Sincerely.

WENDEL, ROSEN, BLACK & DEAN, LLP

onaman w. Redding, E

G.F. Duerig, Esq., P.E.

JWR:jd

cc: Chuck Headlee, RWQCB Don Hwang, ACDEH

Sarah N. Flanagan, Chevron Products Law

Donald Lee Robert K. Lane





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ATTORNEYS AT LAW

FAX COVER LETTER

July 23, 2002

Company:	Telephone:	Fax:
Alameda County Health Care	(510) 567-6721	(510) 337-9335
Services Agency Alameda County Health Care	(510) 567-6700	(510) 337-9335
Services Agency California Regional Water Quality Control Board	(510) 622-2300	(510) 622-2460
G.F. Duerig	Number of Pages: (including this page)	3
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(see enclosed)

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July 23, 2002

VIA FACSIMILE AND MAIL

Ms. Donna Drogos Local Oversight Program Manager Alameda County Environmental Health Department 1131 Harbor Bay Parkway, 2nd Floor Alameda, CA 94502

Re: Possible Site Closure - former Chevron Service Station #9-3415 (LOP Case

No.: RO0000512)

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G.F. Duerig, Esq., P.E.

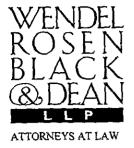
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cc: Chuck Headlee, RWQCB Don Hwang, ACDEH

Sarah N. Flanagan, Chevron Products Law

Donald Lee Robert K. Lane

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JUL 2 5 2002

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Sincerely,

WENDEL, ROSEN, BLACK & DEAN, LLP

My use

G.F. Duerig, Esq., P.E.

JWR:jd

cc: Chuck Headlee, RWQCB Don Hwang, ACDEH

Sarah N. Flanagan, Chevron Products Law

Donald Lee Robert K. Lane



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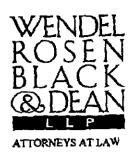
FAX COVER LETTER

July 23, 2002

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JWR:id

cc: Chuck Headlee, RWQCB Don Hwang, ACDEH

Sarah N. Flanagan, Chevron Products Law

Donald Lee Robert K. Lane

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ALAMEDA COUNTY HEALTH CARE SERVICES





DAVID J. KEARS, Agency Director

February 11, 2002

Tom Bauhs Chevron USA Inc. Site Assessment & Remediation Bldg. L, Rm. 1110 P.O. Box 6004 San Ramon, CA 94583-0904 ENVIRONMENTAL HEALTH SERVICES ENVIRONMENTAL PROTECTION 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 567-6700 FAX (510) 337-9335

Dear Mr. Bauhs:

Subject: Chevron Service Station #9-3415, 4500 Park Blvd., Oakland, CA 94602; RO0000512

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Protection Division is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

up to 8,200 ppm Total Petroleum Hydrocarbons as gasoline (TPHg), up to 1,500 ppm TPH as diesel (TPHd), up to 20 ppm TPH as motor oil, up to 0.58 ppm Benzene, up to 9.4 ppm Toluene, up to 6.7 ppm Ethyl benzene, and up to 44 ppm Xylene (BTEX), up to 1,100 ppm Oil & Grease, up to 0.4 ppm Cadmium, up to 14 ppm Chromium, up to 11 ppm Lead, up to 36 ppm Nickel, up to 32 ppm Zinc, up to <0.050 ppm Methyl Tertiary-Butyl Ether (MTBE), up to 0.190 ppm 1,1,1-trichloroethane (1,1,1-TCA), and up to 1.7 ppm tetrachloroethene (PCE) exists in soil beneath the site. (sampled August 16, 1994 to October 26, 2000)

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

Sincerely,

Don Hwang

Hazardous Materials Specialist

Enclosures: 1. Remedial Action Completion Certificate 2. Case Closure Summary

C: Frank Kliewer, City of Oakland, Planning Dept., 1330 Broadway, 2nd Floor, Oakland, CA 94612

FACSIMILE COVER SHEET

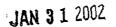
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Chevron Products Company 6001 Bollinger Canyon Rd. Bldg. L P. O. Box 6004 San Ramon, CA 94583-0904

Site Assessment & Remediation Phone (925) 842-9500 Fax (925) 842-8370

PO# 312

January 28, 2002

Alameda County Health Care Services Agency 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

SUBJECT: NOTICE OF PROPOSED ACTION SUBMITTED TO LOCAL AGENCY FOR

(Chevron Service Station #9-3415, 4500 Park Boulevard, Oakland, CA 94602)

In accordance with section 25297.15(a) of Chapter. 6.7 of the Health & Safety Code, I, Thomas K. Bauhs, certify that I have notified all responsible landowners of the enclosed proposed action. Check space for all applicable proposed action(s):

	• •	• •		
cleanup prop	oosal (corrective a	action plan)		
site closure p	proposal			
_X local agency	vintention to mak	ce a determination	on that no further ac	tion is required
X local agency	intention to issue	e a closure letter		
Sincerely,				

Thomas K. Bauhs

CHEVRON PRODUCTS COMPANY

CC: Mr. Donald Lee, #1 Cabrillo Place, Oakland, CA 94611-2202

GETTLER - RYAN INC.

3140 GOLD CAMP DRIVE, SUITE 170 RANCHO CORDOVA, CALIFORNIA 95670 PHONE: (916) 631-1300 FAX: (916) 631-1317



To:	Mr. Don Hwang	From:	Tony P, Mikacich
Of	Alameda County Health Care Services	Of	GETTLER-RYAN INC.
Fax:	(510) 337-9335	Pages:	2
Phone:	!	Date:	01/28/02
Re:	Chevron #9-3415, 4500 Park Blvd.,	CC:	
	Oakland, CA		
□ Urge	ent x As Requested Please Con	nment	☐ Please Reply ☐ Request
Don,	erroreto.		
Januar			e, as requested in ACHCSA letter, dated any questions or comments. Hard copy will
Thank	you,		
Tony			

If you have any questions or have trouble receiving this FAX, please call me at (916) 631-1300.



Chevron Products Company 6001 Bollinger Canyon Rd. Bldg. L P. Q. Box 6004 San Ramon, CA 94683-0804

S)to Assessment & Remediation Phone (925) 842-8500 Fax (925) 842-8370

January 28, 2002

Alameda County Health Care Services Agency 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

SUBJECT: NOTICE OF PROPOSED ACTION SUBMITTED TO LOCAL AGENCY FOR (Chevron Service Station #9-3415, 4500 Park Boulevard, Oakland, CA 94602)

In accordance with section 25297.15(a) of Chapter. 6.7 of the Health & Safety Code, I, Thomas K. Banks, certify that I have notified all responsible landowners of the enclosed proposed action. Check space for all applicable proposed action(s):

_____ cleanup proposal (corrective action plan)

____ site closure proposal

X local agency intention to make a determination that no further action is required

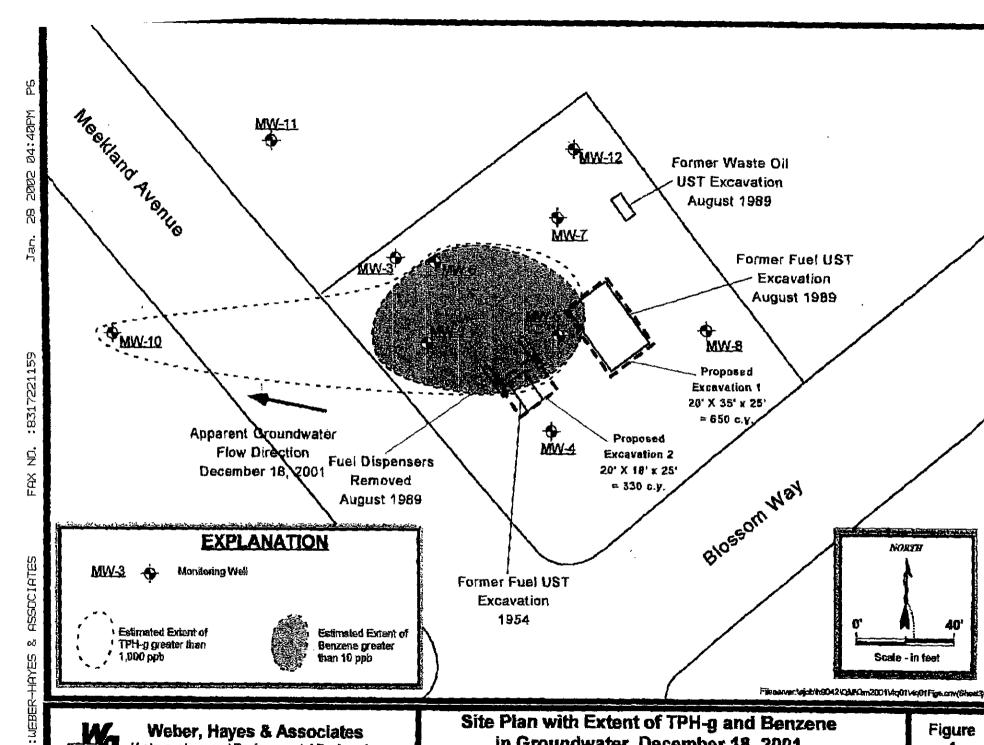
X local agency intention to issue a closure letter

Sincerely,

Thomas K. Bauhs

CHEVRON PRODUCTS COMPANY

CC: Mr. Donald Lee, #1 Cabrillo Place, Oakland, CA 94611-2202





Weber, Hayes & Associates

Hydrogeology and Environmental Engineering 120 Westgate Drive, Watsonville, Ca. 95076 (831) 722 - 3580 (831) 662 - 3100

Site Plan with Extent of TPH-g and Benzene in Groundwater, December 18, 2001

Former Harbert Transportation Facility 19984 Meekland Avenue, Hayward, California

Figure Project H9042

NORTH

Scale - in feet

ALAMEDA COUNTY HEALTH CARE SERVICES

AGENCY





ENVIRONMENTAL HEALTH SERVICES

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

January 23, 2002

Tom Bauhs Chevron USA Inc. Site Assessment & Remediation Bldg. L, Rm. 1110 P.O. Box 6004 San Ramon, CA 94583-0904

Post-It™ brand fax transmittal	memo /o/1 # of pages • ZZ
TO G. DUERIC	From D. DROGOS
CO. WEUDGE, POSEN, PLAN	CO. ALEH
Dept.	Phone # 510-567-4721
Fax # 510-834-1928	Fax #

Dear Mr. Bauhs:

SUBJECT: INTENT TO MAKE A DETERMINATION THAT NO FURTHER ACTION IS REQUIRED OR ISSUE A CLOSURE LETTER FOR Chevron Service Station #9-3415, 4500 Park Blvd., Oakland, CA 94602; RO0000512

This letter is to inform you that this agency intends to make a determination that no further action is required at the above site or to issue a closure letter. Please notify this agency of any input and recommendations you may have on these proposed actions within time period allotted.

In accordance with section 25297.15 of Ch. 6.7 of the Health & Safety Code, you must provide certification to the local agency that all of the current record fee title owners have been informed of the proposed action. Please provide this certification to Alameda County Environmental Health within 20 days of the date of this letter.

If you have any questions about these proposed actions, please contact Don Hwang at (510) 567-6746.

Sincerely,

Don Hwang

Hazardous Materials Specialist

c: Chuck Headlee, Regional Water Quality Control Board

Tony Mikacich, Gettler-Ryan, Inc., 3140 Gold Camp Dr., Suite 170, Rancho Cordova, CA 95670-6021

Aile



Chevron Products Company 6001 Bollinger Canyon Rd. Bldg. V P. O. Box 6004 San Ramon, CA 94583-0904

Site Assessment & Remediation Phone (925) 842-9500 Fax (925) 842-8370

SEP 0 4 2001

Alameda County Health Care Services Agency 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

SUBJECT: CERTIFIED LIST OF RECORD TITLE OWNERS FOR (Chevron Service Station #9-3415, 4500 Park Blvd., Oakland, CA 94602)

Mr. Hwang:

August 29, 2001

At the request of Alameda County Health Care Services Agency, Chevron Products Company is presenting the following information:

In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, Mr. Thomas Bauhs, an authorized representative of Chevron Products Company, certify that the following is a complete list of the current record fee title owner and the mailing address for the above site:

Mr. Donald Lee #1 Cabrillo Place Oakland, CA 94611-2202

Sincerely,

Thomas K. Bauhs

CHEVRON PRODUCTS COMPANY



TRANSMITTAL

TO: Mr. Don Hwang

Alameda County Health Care Services

1153 Harbor Bay Parkway

Alameda, California 94502-6577

DATE:

August 15, 2001

PROJ. #:

DG93415C.4C99

SUBJECT: Chevron Station #9-3415

4500 Park Boulevard

Oakland, California 94602

FROM:

Tony P. Mikacich Project Geologist Gettler-Ryan Inc. 3140 Gold Camp Drive, Suite 170 Rancho Cordova, California 95670



WE ARE S	SENDING YOU:						
COPIES	DATED	D	ESCRIPTION				
1	August 15, 2001	UST Man	ifest and Depth to Groundwater Data				
THESE ARE TRANSMITTED as checked below:							
[] For re	eview and comment	[] Approved as submitted	[] Resubmit _ copies for approval				
[x] As re	equested	[] Approved as noted	[] Submit _ copies for distribution				
[] For a	pproval	[] Return for corrections	[] Return corrected prints				
[x] For y	our files						
COMMEN	ITS:		,				

Mr. Hwang,

I am sending the following UST Manifest and Depth to Groundwater Data for your files. If you have any questions or comments please call me in our Rancho Cordova office at 916.631.1300.

Thank you,

Tony

CC: Mr. Thomas Bauhs, Chevron Products Company, P.O. Box 6004, San Ramon, CA 94583



3164 Gold Camp Drive Suite 200 Rancho Cordova. California 95670-6021 916/638-2085 FAX. 916/638-8385

August 14, 2001

Mr. Don Hwang Alameda County Health Care Services, DEH 1153 Harbor Bay Parkway, Suite 250 Alameda, California 94502-6577 AUG 2 0 2001

Subject:

UST Manifest and Depth to Groundwater Data

Former Chevron Station #9-3415, 4500 Park Boulevard, Oakland, CA 94602

Delta Project No. DG93-415

Dear Mr. Hwang:

At the request of Chevron Products Company (Chevron), Delta Environmental Consultants, Inc. Network Associate Gettler-Ryan Inc. (GR) is submitting this response as requested in Alameda County Health Care Services (ACHCS) letter dated June 28, 2001. As stated in the ACHCS letter, a copy of the manifest for the disposal of former 1,000-gallon single-walled fiberglass waste-oil UST, removed from the site in September 1994, is not in the county files. ACHCS also is requesting the approximate depth of groundwater in the area of the site. GR presents the following information:

- 1. A copy of the hazardous waste manifest for the UST is attached for ACHCS files.
- 2. On August 3, 2001, GR contacted the Department of Water Resources (DWR) Central District in an effort to collect depth to groundwater information in the general area of the site. Data provided to GR by DWR indicated that multiple wells are located in the same section (approximately one square mile) as the site. According to DWR personnel, four domestic wells, ten irrigation wells and one cathodic well were identified within the general area. Specific water depth measurements were not identified on the well logs, but the irrigation wells were screened as deep as 300 feet below surface grade (bsg), domestic wells were screened between 125 and 180 feet bsg, and the cathodic well from 65 to 120 feet bsg.

Based on data provided to GR including the data presented in Groundwater Technology, Inc. (GTI) May 30, 1995 Environmental Assessment Report, depth to groundwater beneath the site is generally greater than 27 feet bsg (the total depth of soil boring MW-2, which was dry).

If you have any question, please do not hesitate to call me in our Rancho Cordova office at (916) 631-1300.

Mr. Don Hwang August 14, 2001 Page 2

Sincerely,

?

 ${\bf DELTA\ ENVIRONMENTAL\ CONSULTANTS, INC.}$

Network Associate GETTLER-RYAN INC.

Tony P. Mikacich Project Geologist

Attachment: Hazardous Waste Manifest, dated 09/19/94.

Cc: Mr. Thomas Bauhs, Chevron Products Company, P.O. Box 6004, San Ramon, CA 94583

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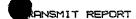
TSDE SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS. (Generators who submit hezardous waste for transport out-of-state, produce completed copy of this copy and send to DTSC within 40 days.)

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	1S/3W	31A 3	4035 Park Blvd.	Oakland	Desert Petroleum	07/09/1990	122224323	37806110		
	1S/3W	31A 4	4035 Park Blvd.	Oakland		07/09/1990	122224323	37806110		
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Alameda County Environmental Health

1131 Harbor Bay Pkwy., #250 Alameda CA 94502-6577 Telephone (510) 567-6700 FAX (510) 337-9335

FACSIMILE COVER SHEET

TO:	JAMES YOU	
FROM:	DON HWAN	16 36746
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DATE:	7/5/01	
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-NOTES-		

Alameda County Environmental Health

1131 Harbor Bay Pkwy., #250 Alameda CA 94502-6577 Telephone (510) 567-6700 FAX (510) 337-9335

FACSIMILE COVER SHEET

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ALAMEDA COUNTY HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



June 28, 2001

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

Tom Bauhs Chevron USA Inc. Site Assessment & Remediation Bldg. L, Rm. 1110 P.O. Box 6004 San Ramon, CA 94583-0904

Dear Mr. Bauhs:

Subject:

Chevron Service Station #9-3415, 4500 Park Blvd., Oakland, CA 94602;

RO0000512

While reviewing this case for closure, we did not find a manifest for the disposal of the underground tank. Also, the borings drilled on October 26, 2000 were advanced to bedrock at a depth of 13.5 ft. to 15.5 ft. below ground surface without encountering groundwater.

1) Please submit a manifest for the disposal of the underground tank.

2) Please determine the depth of groundwater at the site and explain how it was derived.

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

Sincerely,

Don Hwang

Hazardous Materials Specialist

C:

Stephen Carter, Delta Environmental Consultants, Inc., 3164 Gold Camp Dr., Suite 200, Rancho Cordova, CA 95670-6021

Vfile

ALAMEDA COUNTY HEALTH CARE SERVICES





DAVID J. KEARS, Agency Director

June 13, 2001

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

Tom Bauhs Chevron USA Inc. Site Assessment & Remediation 6001 Bollinger Canyon Rd. V1132 P.O. Box 6004 San Ramon, CA 94583-0904

Dear Mr. Bauhs:

Subject:

Chevron Service Station #9-3415, 4500 Park Blvd., Oakland, CA 94602;

RO0000512

A review of our file found it to be missing a CERTIFIED LIST OF RECORD FEE TITLE OWNERS. I have enclosed a copy of our letter dated September 22, 1999 which described what was needed. The information requested is required before the case can be closed.

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

Sincerely,

Don Hwang

Hazardous Materials Specialist

Enclosure

C: File

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 22, 1999

Ŋ

Brett Hunter Chevron USA Inc. Site Assessment & Remediation Bldg. L, Rm. 1110 P.O. Box 6004 San Ramon, CA 94583-0904

Re: former Chevron Service Station #9-0517, 3900 Piedmont Ave., Oakland, CA 94611, StId 6241;

Ken Betts Redwood Chevron Service Station #9-2142, 4150 Redwood Rd., Oakland, CA 94619, StId 1164;

Chevron Service Station #9-3415, 4500 Park Blvd., Oakland, CA 94602, StId 145

LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS

Dear Mr. Hunter:

This letter is to inform you of new legislative requirements pertaining to cleanup and closure of sites where an unauthorized release of hazardous substance, including petroleum, has occurred from an underground storage tank (UST). Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code requires the primary or active responsible party to notify all current record owners of fee title to the site of: 1) a site cleanup proposal, 2) a site closure proposal, 3) a local agency intention to make a determination that no further action is required, and 4) a local agency intention to issue a closure letter. Section 25297.15(b) requires the local agency to take all reasonable steps to accommodate responsible landowners' participation in the cleanup or site closure process and to consider their input and recommendations.

For purposes of implementing these sections, you have been identified as the primary or active responsible party. Please provide to this agency, within twenty (20) calendar days of receipt of this notice, a complete mailing list of all current record owners of fee title to the site. You may use the enclosed "list of landowners" form (sample letter 2) as a template to comply with this requirement. If the list of current record owners of fee title to the site changes, you must notify the local agency of the change within 20 calendar days from when you are notified of the change.

If you are the sole landowner, please indicate that on the landowner list form. The following notice requirements do not apply to responsible parties who are the sole landowner for the site.

	e of local agency t address
	JECT: CERTIFIED LIST OF RECORD FEE TITLE OWNERS FOR (Site No. Address)
	e: Fill out item 1 if there are multiple site landowners. If you are the sole site owner, skip item 1 and fill out item 2.)
1.	In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safe Code, I, (name of primary responsible party), certify that the following is a complete list of current record fee title owners and their mailing addresses tabove site:
2.	In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safe Code, I, (<u>name of primary responsible party</u>), certify that I am the sole land for the above site.
Since	rely,
Signa	ature of primary responsible party
Name	e of primary responsible party

SAMPLE LETTER 3: NOTICE OF PROPOSED ACTION SUBMITTED TO LOCAL AGENCY
Name of local agency Street address City
SUBJECT: NOTICE OF PROPOSED ACTION SUBMITTED TO LOCAL AGENCY FOR (Site Name and Address)
In accordance with section 25297,15(a) of Chapter 6.7 of the Health & Safety Code, I, (name of primary responsible party), certify that I have notified all responsible landowners of the enclosed proposed action. Check space for applicable proposed action(s):
cleanup proposal (corrective action plan)
site closure proposal
local agency intention to make a determination that no further action is required
local agency intention to issue a closure letter
Sincerely,
Signature of primary responsible party
Name of primary responsible party
cc: Names and addresses of all record fee title owners

ALAMEDA COUNTY HEALTH CARE SERVICES



DAVID J. KEARS, Agency Director



June 8, 2001

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

Tom Bauhs Chevron USA Inc. Site Assessment & Remediation Bldg. L, Rm. 1110 P.O. Box 6004 San Ramon, CA 94583-0904

Dear Mr. Bauhs:

Subject:

Chevron Service Station #9-3415, 4500 Park Blvd., Oakland, CA 94602;

RO0000512

"Soil and Groundwater Investigation..." dated April 10, 2001, prepared by Gettler-Ryan Inc. was reviewed. Soil samples collected from borings drilled on October 26, 2000 were below detection limits for methyl tertiary-butyl ether (MTBE). Groundwater was not encountered although the borings were advanced to bedrock at a depth of 13.5 ft. to 15.5 ft. below ground surface. Therefore, we concur with the conclusions that the hydrocarbon impact identified in 1994 appears to be of limited extent and a low risk of impact to the human health or the environment, and further investigation is not warranted.

I will be reviewing this case for possible closure. If you have any questions, please call me at (510) 567-6746.

Sincerely,

Don Hwang

Hazardous Materials Specialist

C:

Stephen Carter, Delta Environmental Consultants, Inc.,

3164 Gold Camp Dr., Suite 200, Rancho Cordova, CA 95670-6021

File

Hwang, Don, Env. Health

From:

Chan, Barney, Env. Health

Sent:

Thursday, May 17, 2001 8:55 AM

To:

Hugo, Susan, Env. Health; Weston, Robert, Env. Health; Seery, Scott, Env. Health; Chu, Eva, Env.

Health; Hwang, Don, Env. Health; Gholami, Amir, Env. Health; Seto, Lawrence, Env. Health

Subject:

FW: Public Works referral for wells

FYI

From: Feng, Arleen

Sent: Wednesday, May 16, 2001 11:12 AM

To: Chan, Barney, Env. Health

Cc: Yoo, James

Subject: Public Works referral for wells

Barney,

Please note that inquiries about well permitting and monitoring should be directed to the reorganized Water Resources Section of the Public Works Agency at

510-670-5554 510-782-1939 FAX

Please pass this information on to others in your department. Thanks.

Arleen Feng

Alameda County Public Works Agency Clean Water Division Phone (510) 670-5575

email: arleen@acpwa.mail.co.alameda.ca.us

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 29, 2000

Tom Bauhs Chevron USA Inc. Site Assessment & Remediation Bldg. L, Rm. 1110 P.O. Box 6004 San Ramon, CA 94583-0904

Dear Mr. Bauhs:

Subject:

Chevron Service Station #9-3415, 4500 Park Blvd., Oakland, CA 94602;

StId 145

"Addendum to Work Plan for Soil and Groundwater Investigation, June 14, 2000" prepared by Gettler-Ryan Inc. was reviewed. As requested, an additional soil boring will be drilled in the vicinity of P-1, which is by the dispenser islands. The work plan with addendum is approved.

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

Sincerely,

Don Hwang

Hazardous Materials Specialist

C:

Michael Mitchener, Gettler-Ryan, Inc.,

3164 Gold Camp Dr., Suite 240, Rancho Cordova, CA 95670-6021

VFile

ALAMEDA COUNTY HEALTH CARE SERVICES

AGENCY



DAVID J. KEARS, Agency Director

August 30, 2000

Tom Bauhs Chevron USA Inc. Site Assessment & Remediation Bldg. L, Rm. 1110 P.O. Box 6004 San Ramon, CA 94583-0904 ENVIRONMENTAL HEALTH SERVICES ENVIRONMENTAL PROTECTION 1131 Harbor Bay Parkway. Suite 250 Alameda, CA 94502-6577 (510) 567-6700 FAX (510) 337-9335

Dear Mr. Bauhs:

Subject:

Chevron Service Station #9-3415, 4500 Park Blvd., Oakland, CA 94602;

StId 145

"Work Plan for Soil and Groundwater Investigation, ... Report No. 346519.01, June 14, 2000" prepared by Gettler-Ryan Inc. was reviewed. The following amendments are necessary:

- 1) A soil boring is needed in the vicinity of P-1, where Total Petroleum Hydrocarbon-Gasoline (TPH-G) was found at 8,200 mg/kg on August 16, 1994. Although "Product Line Removal, Waste Oil Tank Removal, and Soil Sampling Report, November 3, 1994" prepared by Touchstone Developments indicated "200 cubic yards of soil removed from the product piping trenches", there was no indication of the amount of soil removed from the vicinity of P-1 nor were confirmation samples collected. The boring needs to be drilled to drill rig refusal, when hard bedrock is encountered. Please submit an amended site plan, which includes this boring.
- 2) The two proposed borings along Everett St. are acceptable. The proposed boring along Park Blvd. and the boring by the service station building may be omitted.
- 3) Also, the permit for the borings must be obtained from Alameda County Public Works Agency. Contact James Yoo, 510/670-6633.

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

Sincerely,

Don Hwang

Hazardous Materials Specialist

C:

Stephen Carter, Delta Environmental Consultants, Inc., 3164 Gold Camp Dr., Rancho Cordova, CA 95670-6021

File

YTNU JARE SERVICES

AGENCY





DAVID J. KEARS, Agency Director

November 5, 1999

STID 1248

John Rutherford Desert Petroleum Inc. PO Box 1601 Oxnard, CA 93032

ENVIRONMENTAL HEALTH SERVICES

1131 Harbor Bay Parkway, Suite 250

Alameda, CA 94502-6577

(510) 567-6700

(510) 337-9335 (FAX)

RE: Desert Petroleum site #793, 4035 Park Blvd., Oakland, CA 94602

Dear Mr. Rutherford.

This office attended a meeting with the Oakland Planning Commission regarding the above site on September 22, 1999. The Planning Commission voted for option A: Consider revocation base on code compliance issues. This affects the current property owner and the decision is not impacting the current remediation going on at the site.

Prior to that meeting this office received a workplan describing the need and procedures for injection of treated groundwater recovered from a soon to be installed receptor trench along Brighton Ave. into recover wells. This workplan was submitted by Western Geo-Engineers and dated July 15, 1999. The workplan has been mentioned to the City of Oakland and Derrick Williams of the Glenview Neighborhood Association, which has desired more input into the approval process. To date, this workplan has not been approved, although it has not been disapproved and over 60 days has elapsed, which normally confers assumed approval.

Since that meeting this office has received the following documents:

- 1. A letter from Michael Gabriel of the Glenview Neighborhood Association, dated August 23, 1999.
- 2. Compliance review from the City of Oakland Planning Commission, dated October 6, 1999.
- 3. Attachment A to the Oakland Planning Commission report dated 9/22/99
- 4. Further Assessment, Installation of Brighton Avenue Receptor Trench and 3rd Quarter 1999 Groundwater Monitoring for the above site, by Western Geo-Engineers and dated October 20, 1999.

This office is in the process of reviewing the report in number 4 above and would like to meet with the Glenview Neighborhood Association so that they may have input into actions that should be taken. The receptor trench has been installed and the contents are being removed to a Baker tank located on the Park Blvd. Site on a regular basis. The contractor would like to install a more permanent connection between the trench and the CHEUPOH, 4500 PARK BLUD-UNLIKELY SOURCE-

November 5, 1999 VEN LOW SON CENTRATIONS OF

STID 1248

HYDROCARBONS. Page 2 of 2

John Rutherford

SUBSURFACE GEOLOGY-SANDSTONE, BEDROCK, DERTH TO GROUNDWATERE 25 FT.

Baker tank. Three additional groundwater monitoring wells have also been installed: RS-8, RS-10, and RS-9.

In November 1998 the first occurrence of MTBE was noted in upgradient wells MW-1 and RS-2. The contractor believes that the source may be a Chevron Station located at 4500 Park Blvd. This station is already undergoing remediation with this department under the Local Oversight Program. The contact person for this site is Don Hwang of this office at 567-6746.

Results of bioremediation sampling are reported. A Risk based Corrective Action Tier 2 study was done and had the following conclusions:

- Natural attenuation is occurring
- The plume is depleted of oxygen and the nutrients containing nitrogen and ortho phosphate
- Weekly purging of receptor trench water is not significantly lowering the surrounding water table.

If you have any questions or comments, please contact me directly at 510-567-6782.

Sincerely,

Thomas Peacock, Manager

Environmental Protection Division

C: Mee Ling Tung, Director

Ariu Levi, Chief

Tony Razi, 3609 East 14th St., Oakland, CA 94601

Alireza Shirazian, 2 Anchor Dr. #F-386, Emeryville, CA 94608

George Converse, WEGE, 1386 E. Beamer St., Woodland CA 95776

Michael Gabriel, Glenview Neighborhood Association, 4200 Park Blvd., Box Oakland, CA 94602

Leroy Griffin, Oakland Fire Dept., OES, Haz Mat Mgmt Program, 1605 Martin Luther King Jr. Dr., Oakland, CA 94612

Ralph Wheeler, City of Oakland, City Attorney's Office, One City Hall Plaza, Oakland, CA 94612

Derrik Williams, 4032 Brighton Ave., Oakland, CA 94602

Steve Marquez, SWRCB, Cleanup Fund

Thomas Peacock/file

ALAMEDA COUNTY HEALTH CARE SERVICES







ENVIRONMENTAL HEALTH SERVICES

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

October 5, 1999

Brett Hunter Chevron USA Inc. Site Assessment & Remediation Bldg. L, Rm. 1110 P.O. Box 6004 San Ramon, CA 94583-0904

Re:

Chevron Service Station #9-3415, 4500 Park Blvd., Oakland, CA 94602;

StId 145

Dear Mr. Hunter:

The last correspondence from your office dated July 20, 1995, stated that "...we believe that no further action is required at this site. The very low concentrations of hydrocarbons detected in soil, subsurface geology (sandstone and bedrock) and depth to water greater than 25 feet below grade indicate the possibility of hydrocarbon impact to ground water is quite small." We concur with these conclusions. However, we would like you to have the soil borings checked again for ground water. If ground water is found, then analyze for Total Petroleum Hydrocarbon- Gasoline (TPH-G), and Benzene, Toluene, Ethylbenzene, Xylene (BTEX), and Methyl Tertiary-Butyl Ether (MTBE). Additionally, for monitoring well, MW-2, also analyze ground water for Total Petroleum Hydrocarbon-Diesel (TPH-D), oil and grease, and purgeable halocarbons.

If ground water is not found, then the soil at the site must be tested for MTBE. California Health and Safety Code 25299.37.1 requires each underground tank site to be tested for MTBE before the Regional Water Quality Control Board or the local agency can issue a closure letter.

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

Sincerely.

Don Hwang

Hazardous Materials Specialist

Michael Chamberlain, Groundwater Technology, Inc.,
 4057 Port Chicago Highway, Concord, CA 94520

file file

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 22, 1999

3

Brett Hunter Chevron USA Inc. Site Assessment & Remediation Bldg. L, Rm. 1110 P.O. Box 6004 San Ramon, CA 94583-0904

Re: former Chevron Service Station #9-0517, 3900 Piedmont Ave., Oakland, CA 94611, StId 6241;

Ken Betts Redwood Chevron Service Station #9-2142, 4150 Redwood Rd., Oakland, CA 94619, StId 1164;

Chevron Service Station #9-3415, 4500 Park Blvd., Oakland, CA 94602, StId 145

LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS

Dear Mr. Hunter:

This letter is to inform you of new legislative requirements pertaining to cleanup and closure of sites where an unauthorized release of hazardous substance, including petroleum, has occurred from an underground storage tank (UST). Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code requires the primary or active responsible party to notify all current record owners of fee title to the site of: 1) a site cleanup proposal, 2) a site closure proposal, 3) a local agency intention to make a determination that no further action is required, and 4) a local agency intention to issue a closure letter. Section 25297.15(b) requires the local agency to take all reasonable steps to accommodate responsible landowners' participation in the cleanup or site closure process and to consider their input and recommendations.

For purposes of implementing these sections, you have been identified as the primary or active responsible party. Please provide to this agency, within twenty (20) calendar days of receipt of this notice, a complete mailing list of all current record owners of fee title to the site. You may use the enclosed "list of landowners" form (sample letter 2) as a template to comply with this requirement. If the list of current record owners of fee title to the site changes, you must notify the local agency of the change within 20 calendar days from when you are notified of the change.

If you are the sole landowner, please indicate that on the landowner list form. The following notice requirements do not apply to responsible parties who are the sole landowner for the site.

Mr. Hunter Page 2 of 2 September 22, 1999

In accordance with Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title to the site have been informed of the proposed action before the local agency may do any of the following:

- 1) consider a cleanup proposal (corrective action plan)
- 2) consider a site closure proposal
- 3) make a determination that no further action is required
- 4) issue a closure letter

You may use the enclosed "notice of proposed action" form (sample letter 3) as a template to comply with this requirement. Before approving a cleanup proposal or site closure proposal, determining that no further action is required, or issuing a closure letter, the local agency will take all reasonable steps necessary to accommodate responsible landowner participation in the cleanup and site closure process and will consider all input and recommendations from any responsible landowner.

Please call me at (510) 567-6746 should you have any questions about the content of this letter.

Sincerely,

Don Hwang

Hazardous Materials Specialist

Enclosures

C: file

SAMPLE LETTER (2): LIST OF LANDOWNERS FORM
Name of local agency Street address City
SUBJECT: CERTIFIED LIST OF RECORD FEE TITLE OWNERS FOR (Site Name and Address)
(Note: Fill out item 1 if there are multiple site landowners. If you are the sole site landowner, skip item 1 and fill out item 2.)
1. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (name of primary responsible party), certify that the following is a complete list of current record fee title owners and their mailing addresses for the above site:
2. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (<u>name of primary responsible party</u>), certify that I am the sole landowner for the above site.
Sincerely,
Signature of primary responsible party
Name of primary responsible party

SAMPLE LETTER 3: NOTICE OF PROPOSED ACTION SUBMITTED TO LOCAL AGENCY
Name of local agency Street address City
SUBJECT: NOTICE OF PROPOSED ACTION SUBMITTED TO LOCAL AGENCY FOR (Site Name and Address)
In accordance with section 25297,15(a) of Chapter 6.7 of the Health & Safety Code, I, (name of primary responsible party), certify that I have notified all responsible landowners of the enclosed proposed action. Check space for applicable proposed action(s):
cleanup proposal (corrective action plan)
site closure proposal
local agency intention to make a determination that no further action is required
local agency intention to issue a closure letter
Sincerely,
Signature of primary responsible party
Name of primary responsible party
cc: Names and addresses of all record fee title owners

-

printed: 06/21/99

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 : 145 LOC: -0-

SITE NAME: Chevron USA DATE REPORTED: 11/28/94 ADDRESS : 4500 -0 Park Blvd DATE CONFIRMED: 11/28/94

CITY/ZIP : Oakland MULTIPLE RPs : N

SITE STATUS _-----

CONTRACT STATUS: 4 PRIOR CODE: 2B5 EMERGENCY RESP: -0-CASE TYPE: U

DATE COMPLETED: 12/15/94 RP SEARCH: S

PRELIMINARY ASMNT: - DATE UNDERWAY: 09/19/94 DATE COMPLETED: -0REM INVESTIGATION: - DATE UNDERWAY: -0- DATE COMPLETED: -0REMEDIAL ACTION: - DATE UNDERWAY: -0- DATE COMPLETED: -0POST REMED ACT MON: - DATE UNDERWAY: -0- DATE COMPLETED: -0-DATE COMPLETED: -0-DATE COMPLETED: -0-

ENFORCEMENT ACTION TYPE: 1

DATE ENFORCEMENT ACTION TAKEN: 12/16/94

LUFT FIELD MANUAL CONSID: 2

CASE CLOSED: -

DATE CASE CLOSED: -0-

DATE EXCAVATION STARTED : -0- REMEDIAL ACTIONS TAKEN: -0-

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Phil Briggs

COMPANY NAME: Chevron U.S.A Product Company

ADDRESS: P. O. Box 5004

CITY/STATE: San Ramon, C A 94583-0804

INSPECTOR VERIFICATION:							
NAME	NAME SIGNATURE DATE						
Name/Address	Changes Only	DATA ENTRY INPUT	Case Progress Changes				
ANNPGMS	LOP	DATE	LOP DATE				

TE: 12/01/94
: Local Oversight Program
OM: Machulla Logar
OM: / lac/hulla Rogart (BJ: Transfer of Eligible Local Oversight Case STID # 145
ite name: Chevron VSA Idress: 4500 Park Blvd city Ovkland Zip 94602
DEE ELLIGIBLE FOR LOP A CASE MUST MEET 3 QUALIFICATIONS: Number of Tanks: / removed? Y N pate of removal 9/19/94 Samples received? Y N contamination level: 1000 - 15000 fpm we (ppm and type of test) 8200 ppm - gaseling contamination should be over 100 ppm TPH to qualify for LOP modification.
Contamination should be over 100 ppm TPH to qualify for LOP Petroleum Y N Types: Avgas Jet leaded unleaded Diesel SepRef remaining \$ 23 25 Closed with Candace/Leslie? Y N (If no explain why?)
OF YOUR SITE MEETS ALL OF THE ABOVE QUALIFICATIONS YOU SHOULD DO THE COLLOWING TO TRANSFER THE SITE:
QUI MUST CLOSE THE DEPOSIT REFUND CASE AT THIS TIME. YOU MUST ACCOUNT FOR ALL TIME YOU HAVE SPENT ON THE CASE AND TURN IN THE ACCOUNT SHEET TO LESLIE. IF THERE ARE FUNDS STILL REMAINING IT IS STILL BETTER TO TRANSFER THE CASE TO LOP AS THE RATE FOR LOP ALLOWS THE ADDITION OF MANAGEMENT AND CLERICAL TIME. DO NOT ATTEMPT TO CONTINUE TO OVERSEE THE SITE SIMPLY BECAUSE THERE ARE FUNDS REMAINING!
2. COMPLETE THE A AND B PERMIT APPLICATION FORMS AND GIVE TO CONNIE/ELAINE
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3. GIVE THE ENTIRE CASE TO THE PROPER LOP STAFF UPSTAIRS FOR THEM TO DO

THE REST OF THE TRANSFER AND YOU ARE DONE!

			on E				
	UNDERGROUND STORAGE TANK UNAUTHO	RIZE	DRELEASE (L	EAK) / CON	TAMINATIO	ON SITE R	EPORT
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RESPONSIBLE PARTY	NAME SHEYRON U.S. A. PRODUCTS UNKY ADDRESS LOCOL BOLLIAGE CANYOR	NOWN	CONTACT PERSON MARYK BLOG, LORY	MICLER		157016	94583 942-9500 94583
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s 	CROSS STREET EVELETT ST. LOCAL AGENCY AGENCY NAME		CONTACT PERSON	1 <i>H</i> 0	ALAM	PHONE	94602
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	UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT						
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RAFAT A. SHAHID, Assistant Agency Director

Certified Mail #P 386 338 195

ALAMEDA COUNTY HEALTH CARE SVCS AGENCY Department of Environmental Protection 1131 Harbor Bay Parkway, Room 250 Alameda, CA 94502-6577 *Cost Center 430-451

November 15, 1994

ATTN: Mr. Scott Wilson ...

Robert H. Lee & Associates 1137 N. McDowell Blvd. Petaluma, CA 94954

RE: Project 2495A - Removal of Waste Oil Tank and Petroleum Piping at Chevron 4500 Park Blvd., Oakland, 94602

Dear Property Owner/Designee:

Our records indicate the deposit/refund account for the above project has exceeded the minimum deposit amount. Please submit an additional deposit of \$293.25, to cover the cost already expended on this project by county personnel, payable to "Alameda County".

Please write the project number and site address on the check.

Payment of amount requested will complete the removal of waste oil tank and petroleum piping of this project. Please note, the installation of the new waste oil tank and petroleum piping project has been completed.

If you have any questions regarding this matter, please contact me at (510) 567-6700.

Sincerely,

Roel Meregillano

Hazardous Materials specialist

cc: files

Madulla Logan, LOP

TAMZAH II :S M OE VON 40



80 Swan Way, #200 Oakland, CA 94621 (415) 271-4320

Hazardous Materials Division Inspection Form

Site	ID#	Site Name	ə	ريبة وي الله وي الله ومن الله ومن وي الله ب			Today's	Date	//
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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

11,111

744	<u> </u>		Site Site Name Cherry Saly Today's 19,90
II.A	BUSINESS PLANS (Title 19)		Walle
	1. immediate Reporting 2. Bus, Plan Stds. 3. RR Cars > 30 days 4. Inventory Information 5. Inventory Complete 6. Emergency Response 7. Training 8. Deficiency 9. Modification	2703 25503(b) 25503.7- 25503.7- 25504(a) 2730 25504(b) 25504(c) 25505(a) 25505(b)	Site Address
II.B	ACUTELY HAZ, MATLS 10. Registration Form Filed	25533(a)	Inspection Categories: I. Haz. Mat/Waste GENERATOR/TRANSPORTER II. Business Plans, Acute Hazardous Materials - Touchestone
	11. Form Complete 12. RMPP Contents 13. Implement Sch. Reqid? (Y/N 14. OffSite Conseq. Assess 15. Proboble Risk Assessment 16. Persons Responsible 17. Certification 18. Exemption Request? (Y/N) 19. Trade Secret Requested?	25533(b) 25534(c)	Calif. Administration Code (CAC) or the Health & Sajety Code (HS&C) Comments: 9348 492 mufert 934 80955 On site far in wal of (me (1) UST
III.	UNDERGROUND TANKS (Title	23)	formely usel for worke lock
General	Permit Application Pipeline Leak Detection Records Maintenance Reiease Report Clasure Plans	25284 (H&S) 25292 (H&S) 2712 2651 2670	removal Approved by OFD.
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New Tanks	11.Monitor Plan 12.Access. Secure 13.Plans Submit Date: 14. As Built Date:	2632 2634 2711 2635	with 48. Louis
Rev (ŝ/88		31 111
	Contact: _	MARK	- Muia
	Title:	56R_1	ENGLIFER inspector: Bunt-Cl
	Signature:	M	who he Make Signature:

ALAMEDA COUNTY ENVIRONMENTAL HEALTH / HAZARDOUS MATERIALS DIVISION 1131 HARBOR BAY PKWY., RM. 250, ALAMEDA, CA 94502-6577 (510)567-6700 FAX (510) 337-9355

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

STID#: 145 FACILITY NAME: CHEVRON	PG. OF
	94602
Contractor Armer/Norman - W.A.	Anner
Touchstone Detelopment: Tim I	walker.
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Dispenser obland Sample	ta hen
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80 SWAN WAY, ROOM LOU ACCEPTED OAKLAND, CA 94621 PHONE NO. 510/271-4320 Underground Starage Tank Closure Permit Applie Muregillano 672794 Alameda County Division of Hazardous Materials 80 Swan Way, Suite 200, Dakland, CA 94621 Telephone: (510) 271-4320 Please somply with additional These closure/removal plans have been received and found tobe acceptable and escentially meet the requirements of State and Local Health Laws Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance comments in Red Cont. of any required building permits for construction/destruction. copy to tack owner 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 Inspections Department to determine if such changes meet the requirements of State and local laws. Note construction Activities to Notify this Department at Jeast 72 hours prior to the following required inspections: * Compy w/Osha Kull + Pgs. Removal of Tank(s) and Piping Sampling _ Final Inspection Issuence of a) permit to operate, b) permanent site closured REGROUND TANK CLOSURE PLAN is dependent on compliance with accepted plans and all appropriate to attached instructions * * * plicable laws and regulations. * * * Complete THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS CHEVRON U.S.A. PRODUCTS COMPANY Contact Specialistics Name __

Business Owner __ JAMES S. MARSHALL 4500 PARK BLVD. 2. Site Address _ Phone 510-530-9865 215 94602 city OAKLAND, CA 3. Mailing Address 2410 CAMINO RAMON. MR. JIM LEWIN Phone 510-842-9500 Zip 94583 city __SAN RAMON. CA Land Owner ____CHEVRON U.S.A. PRODUCTS COMPANY _ city, State _ Address _SAME AS #3 5. Generator name under which tank will be manifested ! CHEVRON U.S.A. PRODUCTS COMPANY EPA I.D. No. under which tank will be manifested *CAL 0000-29749

Ai 3-NORMAN
6. Contractor A. R-NORMAN
Address1561_3RD_AVE
city WALNUT CREEK, CA 94-1686016
~ 1000 ~ 100
been received, in addition, to holding the day
7. ConsultantROBERT H, LEE & ASSOCIATES, INC.
Address
city PETALIMA. CA
3. Contact Person for Investigation Title
Name SCOTT WILSON
Phone707-765-1660
9. Number of tanks being closed under this plan 1 (WASTE OIL) ±15 LINEAL FT. (WASTE OIL) Length of piping being removed under this plan ±120 LINEAL FT. (PETROLEUM)
tellored under
Total number of tanks at facility I have
10. State Registered Hazardous Waste Transporters/Facilities (see
instructions).
instructions). ** Underground tanks are hazardous waste and must be handled ** as hazardous waste
a) Product/Residual Sludge/Rinsate Transporter
NOTE - CONTACT DAVID SATO -
Hauler License No. 0019 License No.
Add1655
city Rocs, PMB Electricity
b) Product/Residual Sludge/Rinsate Disposal Site .
Name SAME AS 10A EPA T.D. No.
Address
citystate
- 2 -

c) Tank and Pip. J. Transporter	_ ,
	EPA I.D
Hauler License No.	License Exp. Date
Address	State Zip
d) Tank and Piping Disposal Site	EPA I.D. No.
Address	State Zip
11. Experienced Sample Collector	:
Name MIKE TAMBRONI	
Company TOUCHSTONE DEVELOPMENT	
B O BOX 2554	
City SANTA ROSA State CA	Zip <u>95405</u> Phone <u>415-386-8793</u>
12. Laboratory	
Name SUPERIOR LABS	
Address1555_BURKE_ST UNIT_1 CitySAN_FRANCISCOS	stateCA Zip94124
State Certification No. 1332	rast? Yes [] No [X]
13. Have tanks or pipes leaked in the	past? Yes [] No [A]
If yes, describe.	
	• :
	:
المنتقل والمتعاول والمتعارض والمتعار	ng ngiện thiến thuy thiết nghi nhưng thiết thiết như mại như nghiện thiết thiết thiết nhiều thiết nhiều thiết n

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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 explosion proof combustible gas meters to bring a working combustible gas is the contractor's responsibility to bring a working combustible gas meter on site to verify tank inertness.

15. Tank History and Sampling Information

Tar	ık	Material to be sampled	Location and
Capacity	Use History (see instructions)	(tank contents, soil, ground-water, etc.)	. Samples
1,000 GAL. USED OIL	INSTALLED 1986 STILL IN USE ,	soil · Water · f encountered	MAX. 2'0" BELOW Lank excavation and (2) sidewall soil sumples from ends of tank
3) 1000 GAL. EXIST. PEROL. TANKS TO REMAIN	INSTALLATION DATE UNKNOWN PIPING TO BE REPLACED	5011	MAX. 2' O'BELOW EXERY ZO LINEAL PT. MAXIMUM

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) 4 CUBIC YARDS

Sampling Plai

ONE COMPOSITE SAMPLE, CONSISTING OF FOUR INDIVIDUAL BRASS SAMPLING CYLINDERS WILL BE ANALYZED FOR EVERY 50 CUBIC YARDS OF SOIL. SAMPLES WILL BE ANALYZED FOR (SEE BELOW). IF DETECTABLE AMOUNTS OF PETROLEUM HYDROCARBONS ARE FOUND, SAMPLES WILL BE TESTED FOR LEAD.

Stockpiled soil must be placed on berned 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. Se attached Table 2.

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
W.O. TANK TPH G & BIX & E	GCFID 5030, WATER GCFID 5030, 3810, SOIL	MOD. 8015, 8020 OR 8240, SOIL 602 OR 624, WATER	SOIL WATER 1.C. 5.0 P.P.M. P.P.B. 0.0005 0.5 P.P.M. P.P.B.
W.O. TANK TPH D TOG CL HC	GCFID 5030, WATER GCFID 5030, 3810 SOIL 413.1	GCFID 3550, SOIL GCFID 3510, WATER SM 5520 D&F SOIL SM 5520 C4F WATER 8010, 8240, SUIL 601 OR 624, WATER	1.0 50.0 P.P.M. P.P.B.
METALS: Cd, Cr, Pb,	7130; 7197, 7421, 7950	ICAP OR AA	

PCP; PCB, PNA & CREOSITE 8080

17. Submit Site Health and Safety Plan (See Instructions) One copy submitted only of Contractors.

Tob site to be provided with a copy. Name of Insurer

- PC 979516
- 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	Alan P. Edwards
Name (please type)	
Signature	Alen O Eurou
Date5/9/94	
Signature of Site Owner	or Operator Alan P. Edwards
Name (please type)	
Signature	alan 6 Elevara
Date	

- 6 -

and the second of the second

General Instructions

- * Three (3) copies of this plan plus attachments and deposit must be submitted to this Department.
- * Any cutting into tanks requires local fire department approval.
- * 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.

Item Specific Instructions

- SITE ADDRESS
 Address at which closure is taking place.
- 5. FPA I.D. NO. under which the tanks will be manifested EPA I.D. numbers may be obtained from the State Department of Health Services, 916/324-1781.
- CONTRACTOR Prime contractor for the project.
- 10. STATE REGISTERED HAZARDOUS WASTE TRANSPORTERS/FACILITIES
 - a) All residual liquids and sludges are to be removed from tanks before tanks are inerted.
 - c) Tanks must be hauled as hazardous waste.
 - d) This is the place where tanks will be taken for cleaning.
- 15. TANK HISTORY AND SAMPLING INFORMATION

 Use History This information is essential and must be accurate.

 Include tank installation date, products stored in the tank, and the date when the tank was last used.

Material to be sampled - e.g. water, oil, sludge, soil, etc.

Location and depth of samples - e.g. beneath the tank a maximum of two feet below the native soil/backfill interface, side wall at the high water mark, etc.

- 16. CHEMICAL METHODS AND ASSOCIATED DETECTION LIMITS
 See attached Table 2.
- 17. SITE HEALTH AND SAFETY PLAN

 A site specific Health and Safety plan must be submitted. We advocate the site health and safety plan include the following items, at a minimum:
 - a) The name and responsibilities of the site health and safety officer;
 - b) An outline of briefings to be held before work each day to appraise employees of site health and safety hazards;
 - c) Identification of health and safety hazards of each work task.
 Include potential fire, explosion, physical, and chemical hazards;
 - d) For each hazard, identify the action levels (contaminant concentrations in air) or physical conditions which will trigger changes in work habits to ensure workers are not exposed to unsafe chemical levels or physical conditions:
 - e) Description of the work habit changes triggered by the above action levels or physical conditions;
 - f) Frequency and types of air and personnel monitoring along with the environmental sampling techniques and instrumentation - to be used to detect the above action levels. Include instrumentation maintenance and calibration methods and frequencies;
 - g) Confined space entry procedures (if applicable);
 - h) Decontamination procedures;
 - i) Measures to be taken to secure the site, excavation and stockpiled soil during and after work hours (e.g. barricades, caution tape, fencing, trench plates, plastic sheeting, security guards, etc.);
 - j) Spill containment/emergency/contingency plan. Be sure to include emergency phone numbers, the location of the phone nearest the site, and directions to the hospital nearest the site;
 - k) Documentation that all site workers have received the appropriate OSHA approved trainings and participate in appropriate medical surveillance per 29 CFR 1910.120; and
 - 1) Page for employees to sign indicating they have read and will comply with the site health and safety plan.

The safety plan must be distributed to all employees and contractors working in hazardous waste operations on site. A complete copy of the site health and safety plan along with any standard operating procedures shall be on site and accessible at all times.

NOTE: These reductions waste Operations and Emergency Adaptive 1910.120(b)(4), Hazardous Waste Operations of certain underground tank Final Rule, Market 1910.120(b)(4), Hazardous Waste Operations of certain underground tank Final Rule, Market 1910.120(b)(4), Hazardous Waste Operations of certain underground tank Final Rule, Market 1910.120(b)(4), Hazardous Waste Operations of certain underground tank Final Rule, Market 1910.120(b)(4), Hazardous Waste Operations of certain underground tank Final Rule, Market 1910.120(b)(4), Hazardous Waste Operations of certain underground tank Final Rule, Market 1910.120(b)(4), Hazardous Waste Operations of certain underground tank Final Rule, Market 1910.120(b)(4), Hazardous Waste Operations of certain underground tank Final Rule, Market 1910.120(b)(4), Hazardous Waste 1

- 19. PLOT PLIN
 The plan should consist of a scaled view of the facility at which the tank(s) are located and should include the following information:
 - · a) Scale;
 - b) North Arrow;
 - c) Property Lines;
 - d) Location of all Structures;
 - e) Location of all relevant existing equipment including tanks and piping to be removed and dispensers;
 - f) Streets;
 - g) Underground conduits, sewers, water lines, utilities;
 - h) Existing wells (drinking, monitoring, etc.);
 - i) Depth to ground water; and
 - j) All existing tanks and piping in addition to the ones being pulled.
 - 20. <u>DEPOSIT</u>
 A deposit, payable to Alameda County for the amount indicated on the Alameda County Underground Storage Tank Fee Schedule, must accompany the plans.
 - 21. 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 (415/464-1255). Larger quantities may be obtained directly from the State Water Resources Control Board at (916) 739-2421.
 - 22. TANK CLOSURE REPORT
 The tank closure report should contain the following information:
 - a) General description of the closure activities;
 - b) Description of tank, fittings and piping conditions: Indicate tank size and former contents; note any corrosion, pitting, holes, etc.;

- c) Description of the excavation itself. Include the tank and excavation both, a log of the stratigratic units encountered within the excavation, a description of root holes or other potential contaminant pathways, the depth to any observed ground water, descriptions and locations of stained or odor-bearing soil, and descriptions of any observed free product or sheen;
- d) Description of sampling methods;
- e) Description of any remedial measures conducted at the time of tank removal;
- f) To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depths, and tank and piping locations. Include a copy of the plot plan prepared for the Tank Closure Plan under item 19;
- g) Chain of custody records;
- h) Copies of signed laboratory reports;
- i) Copies of "TSDF to Generator" Manifests for all hazardous wastes hauled offsite (sludge, rinsate, tanks and piping, contaminated soil, etc.); and
- j) Tabulation of the volume and final destination of all nonmanifested contaminated soil hauled offsite.

TABLE {2 RECOUNTINDED HINIHUM VERIFICATION ANALYSES FOR

UNDERGROUND TANK LEAKS WATER ANALYSIS SOIL ANALYSIS HYDROCARBON LEAK GCFID(5030) TPH G GCFID(5030) GCFID(3510) TPH G TPH D Unknown Fuel GCFID(3550) 602, 624 or TPH D ERXYE 8020 or 8240 8260 BTX&E TPH AND BTXEE 8260 GCFID(5030) TPH G GCFID(5030) 602 or 624 TPH G BTXLE 8020 OR 8240 Leaded Gas TOTAL LEAD AA BTX&E TPH AND BTX&E 8260 TOTAL LEAD AA ----Optional----DHS-LUFT TEL DHS-LUFT DHS-AB1803 TEL ED3 DHS-AB1803 EDB GCFID(5030) TPH G GCFID(5030) 602, 624 OT TPH G BTX&E 8020 or 8240 Unleaded Gas BTX&E 8260 TPH AND STX&E 8260 GCFID(3510) TPH D GCFID(3550) 602, 624 or TPH D Diesel, Jet Fuel and BTX&E 8020 or 8240 BTX&E 8260 TPH AND BTXEE 8260 Kerosene GCFID(3510) TPH D GCFID(3550) 602, 624 OT TPH D Fuel/Heating Oil BTX&E 8020 or 8240 8260 BTX&E TPH AND BTX&E 8260 601 or 624 CL HC 8010 or 8240 602 or 624 CL HC Chlorinated Solvents BTX&E 8020 or 8240 CL HC AND BTX&E 8260 BTX&E CL HC AND BTX&E 8260 GCFID(3510) TPH D GCFID(3550) 602 or 624 Non-chlorinated Solvents TPH D BTX&E 8020 or 8240 TPH and BTX&E 8260 BTX&E TPH AND BTXSE 8260 GCFID(5030) TPH G GCFID(5030) GCFID(3510 TPH G Waste and Used Oil TPH D GCFID(3550) TPH D or Unknown TPH AND BTXEE 8260 5520 C & F · (All analyses must be 0 & G 5520 D & F 602, 624 OT completed and submitted) 0 & G BTX&E 8020 or 8240 8260 BTX&E 601 or 624 CL: HC 8010 or 8240 CL HC ICAP or AA TO DETECT METALS: Cd, Cr, Pb, Zn, Ni METHOD 8270 FOR SOIL OR WATER TO DETECT: PCB PCB* PCP PCP* PNA PNA CREOSOTE CREOSOTE

Reference: Tri-Regional Board Staff Recommendations for Preliminary
Evaluation and Investigation of Underground Tank Sites,
10 August 1990

^{*} If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)

EXPLANTA FOR TABLE \$2: HINIMUM VERIFICATION ANALYSIS

- 1. OTHER METHODOLIES are continually being developed and as methods are accepted by a or DHS, they also can be used.
- 2. For DRINKING TER SOURCES, EPA recommends that the 500 series for volatile praces be used in preference to the 600 series because the detection laws are lower and the QA/QC is better.
- 3. APPROPRIATE TENDERDS for the materials stored in the tank are to be used for all analyses on Table \$2. For instance, seasonally, there may be five different jet fuel mixtures to be considered.
- 4. To AVOID FARE POSITIVE detection of benzene, benzene-free solvents
- 5. TOTAL PETROM HYDROCARBONS (TPH) as gasoline (G) and diesel (D) ranges (volatile and extractible, respectively) are to be analyzed and ranges (volatile and extractible, respectively) are to be analyzed and ranges (volatile and extractible, respectively) are to be analyzed and ranges (volatile and prepared by characterized by GCFID with a fused capillary column and prepared by carbons, or EPA method 5810 (purge and trap) for volatile hydro-carbons, or extractable extracted by sonication using 3550 methodology for extractable extracted by sonication using 3550 methodology for extractable hydrocarbons. Fused capillary columns are preferred to packed hydrocarbons. Fused capillary columns are preferred to packed samples or sacked column may be used as a "first cut" with "dirty" columns; a packed column may be used as a "first cut" with "dirty" columns; a packed column may be used as a "first cut" with "dirty" columns; a packed column may be used as a "first cut" with "dirty" columns; a packed column may be used as a "first cut" with "dirty" columns; a packed column may be used as a "first cut" with "dirty" columns; a packed column may be used as a "first cut" with "dirty" columns; a packed column may be used as a "first cut" with "dirty" columns; a packed column may be used as a "first cut" with "dirty" columns; a packed column may be used as a "first cut" with "dirty" columns; a packed column may be used as a "first cut" with "dirty" columns; a packed column may be used as a "first cut" with "dirty" columns; a packed column may be used as a "first cut" with "dirty" columns; a packed column may be used as a "first cut" with "dirty" columns; a packed column may be used as a "first cut" with "dirty" columns; a packed column may be used as a "first cut" with "dirty" columns; a packed column may be used as a "first cut" with "dirty" columns; a packed column may be used as a "first cut" with "dirty" columns are preferred to packed to the packed column may be used as a "first cut" with "dirty" columns are preferred to p
- 6. TETRAETHYL 12AD (TEL) analysis may be required if total lead is detected taless the determination is made that the total lead concentration is geogenic (naturally occurring).
- 7. CHLORINATED HYDROCARBONS (CL HC) AND BENZENE, TOLUENE, XYLENE AND ETHYLBENZENZ (BTX&E) are analyzed in soil by EPA methods 8010 and 8020 respectively, (or 8240) and in water, 601 and 602, respectively (or 624):
- 8. OIL AND GREASE (O & G) may be used when heavy, straight chain hydrocarbons may be present. Infrared analysis by method 418.1 may also be acceptable for O & G if proper standards are used. Standard methods 17th Edition, 1989, has changed the 503 series to 5520.
- 9. PRACTICAL QUANTITATION REPORTING LIMITS are influenced by matrix problems and laboratory QA/QC procedures. Following are the Practical Quantitation Reporting Limits:

THUL DECEMBER WOLL	•	WATER PPB
	SOIL PPM	50.0
TPH G	1.0 1.0	50.0
TPH D BTX&E	0.005	0.5 5,000.0
0 & G	50.0	3700

Tri-Regional B and State Recommendations
Preliminary US Site Investigations

Based upon a Regional Board survey of Department of Health Services Certified Laboratories, the Practical Quantitation Reporting Limits are attainable by a majority of laboratories with the exception of diesel fuel in soils. The Diesel Practical Quantitation Reporting Limits, shown by the survey, are:

T\17		KODILIED BEOLOCOP
ROUTINE ≤ 10 ppm ≤ 5 ppm ≤ 1 ppm	(132)	<pre>< 10 ppm (10%) < 5 ppm (21%) < 1 ppm (60%)</pre>

When the Practical Quantitation Reporting Limits are not achievable, an explanation of the problem is to be submitted on the laboratory

- 10. LABORATORY DATA SHEETS are to be signed and submitted and include the laboratory's assessment of the condition of the samples on receipt including temperature, suitable container type, air bubbles present/absent in VOA bottles, proper preservation, etc. The sheets are to include the dates sampled, submitted, prepared for analysis, and analyzed.
- 11. If PEAKS ARE FOUND, when running samples, that do not conform to the standard, laboratories are to report the peaks, including any unknown complex mixtures that elute at times varying from the standards. Recognizing that these mixtures may be contrary to the standard, they may not be readily identified; however, they are to be reported. At the discretion of the LIA or Regional Board the following information is to be contained in the laboratory report:

The relative retention time for the unknown peak(s) relative to the reference peak in the standard, copies of the chroma- togram(s), the type of column used, initial temperature, temperature program is C/minute, and the final temperature.

12. REPORTING LIMITS FOR TPH are: gasoline standard ≤ 20 carbon atoms, diesel and jet fuel (kerosene) standard ≤ 50 carbon atoms. It is not necessary to continue the chromatography beyond the limit, standard, or EPA/DHS method protocol (whichever time is greater).

EPILOGUE

ADDITIVES: Major oil companies are being encouraged or required by the federal government to reformulate gasoline as cleaner burning fuels to reduce air emissions. MTBE (Methyl-tertiary butyl ether), ETHANOL (ethyl alcohol), and other chemicals may be added to reformulate gasolines to increase the oxygen content in the fuel and thereby decrease undesirable emissions (about four percent with MTBE). MTBE and ethanol are, for practical purposes, soluble in water. The removal from the water column will be difficult. Other compounds are being added by the oil companies will be difficult. Other compounds are being added by the oil companies for various purposes. The refinements for detection and analysis for all for various purposes. The refinements for detection and analysis of these additives are still being worked out. If you have any questions about the methodology, please call your Regional Board representative.

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	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO						
1	MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE MAIL 10 DAYS WRITTEN NOTICE SHALL IMPOSE NO OBLIGATION OR LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR				NO ORFIGATION OR		
Alameda County Health Care Age				LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.			
Dept. of Environmental Health							
Hazardous Material Division			AUTHORIZED REPRESENTATIVE 026923000			026923000	
80 Swan Way, Room 200			Him Honham				
	Oakland, CA 94621 / Was Stephens GI ACORD CORPORATION 1990					CORPORATION 1990	
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S ASSOCIATES, INC.

ENGINEERING ARCHITECTURE

ENVIRONMENTAL SERVICES

1137 NORTH McDOWELL BOULEVARD • PETALUMA, CALIFORNIA 94954-1469 Mailing Address: P.D. 8ox 750908, Petaluma, CA 94975-0908

[707] 765-1660 Fax (707) 765-9908

BRIAN F. ZITA Architect

JOHN W. JOHNSON Architect

JOHN B. HICKS Architect

STEVEN J. KATTNER Architect

CECIL R. SPENCER Architect

JAMES H. RAY Civil Engineer

April 25, 1994

Mr. Roel Merregillagano Department of Environmental Health Hazardous Materials Division 80 Swan Way, Room 200 Oakland, CA 94621

RE: CHEVRON USA PRODUCTS COMPANY 4500 PARK BLVD. OAKLAND, CA 94602 SS #9-3415; RHL JOB #8388.10

Dear Mr. Merregillagano

On behalf of Chevron USA Products Company, we are submitting proposed plans for the above mentioned project with the intent of revising the paperwork previously sent to include removal of an existing waste oil tank and installation of a new waste oil tank in the same location. We are revising these plans to obtain the required Environmental Health Department approval.

Enclosed please find the application package containing the following items:

- Three copies completed application form (Underground Tank Installation Plan) with three copies of all applicable cut sheets.
- Three copies completed application form (Underground Tank Closure Plan) 2. modification.
- Three site/plot plans with all requested information, as well a three sets of tank drawings.
- Underground storage tank permit application-Form A (for removal of existing waste 4. oil tank) and Form B (for installation of new waste oil tank) and Form C (for underground storage tank installation).
- A check in the amount of \$483.00 (removal/installation fee) and \$161.00 (annual fee to register).

SACRAMENTO, CA

1CC+#T21082

Mr. Roel Merregillagano

The contractor is Fillner Construction and will provide the site health and safety plan prior to picking up the permit.

Should you have any questions or need further information please feel free to contact me at (707) 765-1660. I look forward to working with you. Thank you for your time.

Sincerely,

ROBERT H. LEE & ASSOCIATES, INC.

Kuikn Job Captain

Enclosures

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ROBERT H. LEE & ASSOCIATES, INC.

RCHITECTURE . ENGINEERING . ENVIRONMEN" . SERVICES

1137 NORTH McDOWELL BOULEVARD • PETALUMA, CALIFORNIA 94954-1469 Mailing Address: P.O. Sox 750908, Petaluma, CA 94975-0908 (707) 765-1660

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BRIAN F. ZITA Architect

JOHN W. JOHNSON Architect

JOHN B. HICKS

STEVEN J. KATTNER

CECIL R. SPENCER

JAMES H. RAY Civil Engineer April 25, 1994 Revised May 10, 1994

Mr. Roel Merregillagano
Department of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

RE: CHEVRON USA PRODUCTS COMPANY 4500 PARK BLVD. OAKLAND, CA S\$ #9-3415; RHL JOB #8388.10

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Enclosed please find the application package containing the following items:

- 1. Three copies completed application form (Underground Tank Installation Plan) with three copies of all applicable cut sheets. (The sheets from the previous package still apply.)
- 2. Three copies completed application form (Underground Tank Closure Plan) modification.
- 3. Three site/plot plans with all requested information, as well a three sets of tank drawings. (Previous package.)
- 4. Underground storage tank permit application-Form A (for removal of existing waste oil tank) and Form B (for installation of new waste oil tank) and Form C (for underground storage tank installation). (Previous package.)
- 5. A second check in the amount of \$483.00 (for installation) to accompany the two check from the previous package of \$483.00 (for removal) and \$161.00 (annual fee to register).
- 6. THE CONTRACTORS HEALTH & SAFETY PLAN AND CERTIFICATE OF INSURANCE

SACRAMENTO, CA

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Page 2 April 25, 1994 Revised May 10, 1994 Mr. Roel Merregillagano

Should you have any questions or need further information please feel free to contact me at (707) 765-1660. I look forward to working with you. Thank you for your time.

Sincerely,

ROBERT H. LEE & ASSOCIATES, INC.

Scott Wilson
Job Captain

Enclosurès

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