R0475

CONESTOGA-ROVERS
& ASSOCIATES

2000 Opportunity Dr, Suite 110, Roseville, California 95678
Telephone: 916-677-3407, ext. 100 Facsimile: 916-677-3687
www.CRAworld.com

January 3, 2008

RECEIVED
JAN 7 2008
ENVIRONMENTAL HEALTH SERVICES

Drogos Donna
Alameda County
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

RE: **Project Manager Contact Change**
Chevron Service Station -96991
2920 Castro Valley Boulevard
Castro Valley, CA

Dear Drogos Donna,

On behalf of Chevron Environmental Management Company (Chevron), Conestoga-Rovers & Associates (CRA) is writing to inform you of management changes regarding the above referenced site.

The Chevron project manager is changing from Tom Bauhs to Stacie Hartung-Frerichs.

Stacie Hartung-Frerichs
Chevron Environmental Management Company
6001 Bollinger Canyon Rd., K-2200
San Ramon, CA 94583
Office phone: 925-842-9655
Office Fax: 925-548-0010
Email: StacieHF@chevron.com

Please contact either Stacie Hartung-Frerichs of Chevron or Brian Carey of CRA at 916-677-3407 ext. 106 if you have any questions.

Sincerely,

Judith Moore
Administrative Assistant

cc: Stacie Hartung-Frerichs, Chevron Environmental Management Company, San Ramon, CA

Rc475

CAMBRIA

March 30, 2007

Barney Chan
Alameda County
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: **Project Manager Contact Change**
Chevron Service Station 96991
2920 Castro Valley Boulevard
Castro Valley, CA

Dear Barney Chan,

On behalf of Chevron Environmental Management Company (Chevron), Cambria Environmental Technology, Inc. (Cambria) is writing to inform you of management changes regarding the referenced site.

The Chevron project manager is changing from Dana Thurman to Tom Bauhs

- Mr. Tom Bauhs, Chevron Environmental Management Company, K2204, 6001 Bollinger Canyon Rd, San Ramon, CA 94583, (925) 842-3334, tbauhs@chevron.com

Please note these changes, effective immediately, for future correspondence. Thank you for your assistance.

Sincerely,
Cambria Environmental Technology, Inc.

Judith Moore
Office Administrator

cc: Tom Bauhs, Chevron Environmental Management Company

Cambria Environmental Technology, Inc.

2000 Opportunity Drive
Suite 110
Roseville, CA 95678
Tel (916) 677-3407
Fax (916) 677-3687

1204755

CAMBRIA

Fax

To: BARNEY CHAN
Company: ALAMEDA HEALTH CARE SERVICES
Fax: 510.337.9335
Phone:

From: CAMBRIA ENVIRONMENTAL TECH.
Phone: 916.677.3407 x.121
Pages: 2
Date: 10.30.06
Re: WELL COMPLETION REQUEST

Hard Copy to Follow? Yes o No ✓

THANKS -

Cambria Environmental Technology, Inc.
2000 Opportunity Drive, Suite 110, Roseville, CA 95678 Tel (916) 677-3407 Fax (916) 677-3687

STATE OF CALIFORNIA - THE RESOURCES AGENCY ARNOLD SCHWARZENEGGER, Governor
DEPARTMENT OF WATER RESOURCES

CENTRAL DISTRICT	NORTHERN DISTRICT	SAN JOAQUIN DISTRICT	SOUTHERN DISTRICT
3251 S Street	2440 Main Street	3374 E. Shields Ave Ste A7	770 Fairmont Avenue
Sacramento, CA 95816	Red Bluff, CA 96080	Fresno, CA 93726	Glendale, CA 91203
(916) 227-7632	(530) 529-7300	(559) 230-3300	(818) 500-1645 ext. 233
(916) 227-7600(Fax)	(530) 529-7322 (Fax)	(559) 230-3301 (Fax)	(818) 543-4604 (Fax)

WELL COMPLETION REPORT RELEASE REQUEST AND CONFIDENTIALITY AGREEMENT REGULATORY-RELATED ENVIRONMENTAL CLEANUP STUDY

Well Completion Reports associated with wells located within two miles of an area affected or potentially affected by a known unauthorized release of a contaminant will be made available upon request to any person performing an environmental cleanup study associated with the unauthorized release, if the study is conducted pursuant to a regulatory agency order (Water Code Section 13752).

Requests must be made on the form below, signed and submitted to the appropriate DWR District Office. Please provide the township, range, and section of the property where the study is to be conducted. Attach a map or a sketch with a north arrow, and provide as much identifying information requested below as possible; additional paper may be attached if necessary.

By signing below, the requester acknowledges and agrees that, in compliance with Section 13752, the information obtained from these reports will be kept confidential and will not be disseminated, published, or made available for inspection by the public. Copies obtained must be stamped **CONFIDENTIAL** and kept in a restricted file accessible only to authorized personnel. These reports must not be used for any purpose other than for the purpose of conducting the environmental cleanup study.

Project Name: CHEVRON # 9-6991 County: ALAMEDA

Street Address: 2920 CASTRO VALLEY BLVD. City: CASTRO VALLEY

Township, Range, and Section: Radius: 1/2 mile
(Include entire study area and a map that shows the area of interest.) (maximum 2 miles)

CAMBRIA ENVIRONMENTAL TECH.	Alameda County Environmental Health
Requester's Company	Regulatory Agency Name
REBECCA ROUAS	Barney Chan
Requester's Name (**please print**)	Agency Contact Name (**please print**)
8000 OPPORTUNITY DR. STE 110	1131 Harbor Bay Parkway 2nd Fl
Address	Address
ROSEVILLE, CA. 95678	Alameda CA 94502
City, State, and Zip Code	City, State, and Zip Code
Signature: RRouas	Signature: Barney Chan
Title: STAFF GEOLOGIST	Title: Hazardous Materials Specialist
Telephone: (916) 677-3407 x121	Telephone: (510) 567-6765
FAX: (916) 677-3687	FAX: (510) 337-9335
Date: 10.30.06	Date: 10.30.06
E-mail: rrouas@cambria-env.com	E-mail: barney.chan@acgov.org

TRANSMISSION VERIFICATION REPORT

TIME : 12/18/2006 09:15
NAME : ALAMEDA COUNTY DEH
FAX : 5103379335
TEL : 5105676700
SER.# : BROK4J137311

DATE,TIME	12/18 09:14
FAX NO./NAME	19166773687
DURATION	00:00:32
PAGE(S)	01
RESULT	OK
MODE	STANDARD ECM

STATE OF CALIFORNIA - THE RESOURCES AGENCY — ARNOLD SCHWARZENEGGER, Governor

DEPARTMENT OF WATER RESOURCES

CENTRAL DISTRICT
3251 S Street
Sacramento, CA 95816
(916) 227-7632
(916) 227-7600(Fax)

NORTHERN DISTRICT
2440 Main Street
Red Bluff, CA 96080
(530) 529-7300
(530) 529-7322 (Fax)

SAN JOAQUIN DISTRICT
3374 E. Shields Ave Ste A7
Fresno, CA 93726
(559) 230-3300
(559) 230-3301 (Fax)

SOUTHERN DISTRICT
770 Fairmont Avenue
Glendale, CA 91203
(818) 500-1645 ext. 233
(818) 543-4804 (Fax)

WELL COMPLETION REPORT RELEASE REQUEST AND CONFIDENTIALITY AGREEMENT REGULATORY-RELATED ENVIRONMENTAL CLEANUP STUDY

Well Completion Reports associated with wells located within two miles of an area affected or potentially affected by a known unauthorized release of a contaminant will be made available upon request to any person performing an environmental cleanup study associated with the unauthorized release, if the study is conducted pursuant to a regulatory agency order (Water Code Section 13752).

Requests must be made on the form below, signed and submitted to the appropriate DWR District Office. Please provide the township, range, and section of the property where the study is to be conducted. Attach a map or a sketch with a north arrow, and provide as much identifying information requested below as possible; additional paper may be attached if necessary.

By signing below, the requester acknowledges and agrees that, in compliance with Section 13752, the information obtained from these reports will be kept confidential and will not be disseminated, published, or made available for inspection by the public. Copies obtained must be stamped **CONFIDENTIAL** and kept in a restricted file accessible only to authorized personnel. These reports must not be used for any purpose other than for the purpose of conducting the environmental cleanup study.

Project Name: CHEVRON # 9-6991 — County: ALAMEDA

Street Address: 2920 CASTRO VALLEY BLVD. — City: CASTRO VALLEY

Township, Range, and Section: — Radius: 1/2 mile (maximum 2 miles)

(Include entire study area and a map that shows the area of interest.)

CAMBRIA ENVIRONMENTAL TECH. — Requester's Company

Alameda County Environmental Health — Regulatory Agency Name

REBECCA ROJAS — Requester's Name (please print)

Barney Chan — Agency Contact Name (please print)

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

7

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

August 8, 2006

Mr. Dana Thurman
Chevron
6001 Bollinger Canyon Rd., K2236
P.O. Box 6012
San Ramon, CA 94583-2324

Dear Mr. Thurman:

Subject: Fuel Leak Case [redacted]vron Station # 9-6991, 2920 Castro Valley Blvd., Castro Valley, CA 94546

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the subject site including the May 9, 2006 Workplan for Remedial Pilot Test by Cambria. The work plan proposes performing a surfactant pilot test in monitoring well MW-7. The assumption is that residual contamination is located in this area and once removed, groundwater concentrations will decline. As you are aware, the County concerns are the effectiveness of the surfactant/vacuum recovery process, the radius of influence of the treatment and determining a way to monitor the treatment process. A site conceptual model has not been submitted, though it appears that there is the assumption that contamination is localized. Historical data indicates that "old" releases came from the form waste oil tank, from the UST pit and the southern dispenser island area. Elevated MTBE has been detected in groundwater samples from wells MW-2, MW-7 and MW-3, therefore the residual plume could extend this length. The persistent petroleum concentration detected in MW-7 may indicate that residual source remains in the tank pit or dispenser area, some of which was not sampled during the initial tank removal. Although the calculated volume of surfactant will be that which should reach a radius of at least 10' from the test well, there is no way proposed to verify this will be the case.

Please address the following technical comments prior to performing the proposed work.

TECHNICAL COMMENTS

1. Residual contamination from within the existing tank pit should be evaluated. This can be done by installing and sampling from an observation well within the tank pit.
2. The down-gradient extent of the plume should be better characterized. The temporary soil and groundwater results and the existing off-site well data should be evaluated to determine if additional off-site sampling is necessary to evaluate the size and strength of the contaminant plume.
3. The likelihood of a MTBE release migrating beyond the monitoring network should be examined. We request that you re-evaluate or perform an additional conduit study that details the potential migration pathways and potential conduits (utilities, storm drains, etc.) that may be present in the vicinity of the site. Provide a map showing the location and depth of all utility lines and trenches including sewers and storm drains within and near the plume area. The previous 4/2002 Soil Boring Utility Trench Investigation Report results were inconclusive.

The conduit study shall also include a detailed well survey of all wells (monitoring and production wells: active, inactive, standby, destroyed (sealed with concrete), abandoned (improperly destroyed); and dewatering, drainage, and cathodic protection wells) within a 1/4 mile radius of the subject site.

4. The area near former boring SB-5 should be investigated. Separate phase hydrocarbon was detected in the boring during the 4/2002 investigation and a monitoring well was proposed just south of this boring location by Delta Environmental.
5. Although we do not disapprove of the proposed surfactant remediation pilot test, in order to be appropriate remediation we believe it must be shown that the area of proposed treatment is the sole source area. Please provide your explanation and site conceptual model that supports that MW-7 is the sole source area.

TECHNICAL REPORT REQUEST

Please provide the technical report requested according to the following schedule:

- September 8, 2006- response to technical comments

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) now request submission of reports in electronic form. The electronic copy is intended to replace the need for a paper copy and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all reports is required in Geotracker (in PDF format). Please visit the State Water Resources Control Board for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

If you have any questions, please call me at (510) 567-6765.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

cc: files, D. Drogos
Mr. David Herzog, Cambria Environmental, 2000 Opportunity Drive, Ste. 110.
Roseville, CA 95678

8_8_06 2920 Castro Valley Blvd

CAMBRIA

January 21, 2005

Mr. Barney Chan
ACEHS
1131 Harbour Bay Parkway, Suite 250
Alameda, CA 94502

RE: 2920 Castro Valley Blvd, Castro Valley
Ro 475

Dear Mr. Chan:

This letter is to inform you of a change in consultants/management for the above-referenced site.

Effective immediately, the new ChevronTexaco project manager will be:

Mr. Dana Thurman
ChevronTexaco
6001 Bollinger Canyon Rd., K-2236
San Ramon, CA 94583
Phone: 925-842-9559

The new consultant will be:

Mr. Bruce Eppler
Cambria Environmental Technology, Inc.
4111 Citrus Avenue, Suite 12
Rocklin, CA 95677
Phone: (916) 630-1855 ext. 102

Please contact either Dana Thurman or Bruce Eppler if you have any questions.

Regards,

Cambria Environmental Technology, Inc.

cc: Dana Thurman, Chevron Texaco

Cambria Environmental Technology, Inc.

4111 Citrus Avenue
Suite 9
Rocklin, CA 95677
Tel (916) 630-1855
Fax (916) 630-1856

Site #: 96991

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

R0475

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

September 29, 2003

PR0501088

John J. Cattolico
Retail Compliance Specialist
Chevron Products Company
P. O. Box 426
Antioch, California 94509

Paul Goswamy, Operator
Chevron #96991
2920 Castro Valley Boulevard
Castro Valley, California 94546

NOTICE OF VIOLATION

Re: Inspection of Chevron #96991, 2920 Castro Valley Boulevard, Castro Valley, CA 94546

Dear Messrs. Cattolico and Goswamy:

A regulatory compliance inspection was performed at the subject Chevron facility on August 28, 2003. A technician from Tanknology facilitated the inspection. The purpose of the inspection was to determine compliance with conditions of the facility underground storage tank (UST) operating permit, as well as provisions of Title 23, California Code of Regulations (CCR) and California Health and Safety Code (HSC) Chapter 6.7. Additionally the Hazardous Materials Business Plan (HMBP) was reviewed for completeness.

The following is a summary of non-compliant and other conditions noted at the time of the inspection:

- Tank leak detection records from the Veeder Root monitoring console indicate a pattern of filling the regular tank 3, past the allowable limit of 95% of tank capacity. The high product alarm is programmed at 95% of tank capacity. A high product alarm corresponds to the tank being filled past 95% of the nominal capacity of the tank. Tank 3, regular gasoline, was filled past 95% on at least three occasions in 2003. The law prohibits filling the tank beyond 95% with the installed equipment. The overfilling may have resulted in an unauthorized release. The repeated overfilling of the UST represents a chronic violation because the violation was noted during the last inspection in September 2002.

- There are three single wall fiberglass motor vehicle fuel tanks on site. The tanks are tested for integrity using an automatic tank gauge with continuous statistical leak detection. On February 16, 2003, tank 1 supreme, failed the routine tank test. The tank operator did not follow the Chevron tank management plan protocol. The operator did not notify Chevron or this office. The Veeder Root monitor continued to report and print out failed tank tests on February 17, 18, and 19, 2003. **No actions were taken by the operator to investigate the failed tank test.**

- Documentation of monitoring system alarm conditions is incomplete. A record of each leak alarm has not been documented in the daily operation logs. A record is required to be created for each alarm that indicates a possible unauthorized release. The Chevron tank monitoring procedure includes a form for this type of documentation. Examples of alarms requiring documentation include gross line failure, turbine piping sump leak alarm, failed tank test and dispenser containment sensor alarm.

- The alarm annunciator in the cashier's work area does not function as designed with an audible and visual alarm. The Veeder Root monitoring console is installed in a locked office. The alarm is difficult to detect at the cashier's work area without the remote alarm. This remote alarm is required to alert the facility staff to leak alarms.

- The overspill containers were found improperly installed. Bolts were missing from the attachment flange that supports the weight of the container, putting the weight on the rubber boot. The containers will not protect the environment from fuel releases in this configuration.

- The hazardous materials business plan is not available on-site. A business plan was submitted to this office by Chevron, however the operator did not make the plan available to site staff. The business plan is used in addition to the underground storage tank monitoring plans for responding to emergencies. The plan is required to be available on-site at all times.

Violations of provisions of the HSC and CCR have been identified, as follows:

CCR Sec. 2712(k) – Owners and operators shall use care to prevent releases due to spilling or overfilling. Before product is delivered, owners, operator, or their agents shall ensure that the space available in the tank is greater than the volume of product to be transferred to the tank and shall ensure that the transfer operation is monitored constantly to prevent overfilling and spilling.

HSC Sec. 25292.1(a) – The underground storage tank # 3 has been filled with petroleum past 95% of the tank capacity. The dates of the overfill alarms are printed out from the memory of the monitoring console.

HSC Sec. 25299(a) provides for civil liabilities imposed on the tank operator of up to $5000 per tank per day per violation for:

(2) Violation of any applicable requirements of the permit issued for the operation of the UST.

(6) Violation of any applicable requirements of HSC Chapter 6.7 or any regulation adopted by the board pursuant to Section 25299.3.

HSC Sec. 25299(b) provides for civil liabilities imposed on the tank owner of up to $5000 per tank per day per violation for:

(4) Violation of any applicable requirement of the permit issued for operation of the UST

HSC Sec. 25292.1(a) The operator of the underground tank system shall monitor the tank system using the method specified on the permit for the tank system. The permit specifies that monthly reports will be maintained for all single wall tanks at this facility. Failed tank tests are to be reported to Chevron according to the tank management plan.

HSC Sec. 25299(a) provides for civil liabilities imposed on the tank operator of up to $5000 per tank per day per violation for:

(2) Violation of any applicable requirements of the permit issued for the operation of the UST.
(6) Violation of any applicable requirements of HSC Chapter 6.7 or any regulation adopted by the board pursuant to Section 25299.3.

HSC Sec. 25299(b) provides for civil liabilities imposed on the tank owner of up to $5000 per tank per day per violation for:

(4) Violation of any applicable requirement of the permit issued for operation of the UST

The permit operating conditions are hereby amended. In order for this office to maintain oversight of the monitoring practices at this site, it **is hereby required that the tank owner/operator submit a copy of the tank test results for all three motor vehicle fuel tanks to this office no later than the tenth of the month for the preceding monitoring month.** For example, the test results for the month of January shall be submitted to this office no later than February 10.

HSC Sec. 25293 – The operator of the underground tank system shall maintain records in sufficient detail to enable this office to determine that the underground tank system is in compliance with the permit conditions. Records of alarms are not being kept in sufficient detail for compliance with the permit conditions.

HSC Sec. 25299(a) provides for civil liabilities imposed on the tank operator of up to $5000 per tank per day per violation for:

(3) Failure to maintain records, as required by this chapter.
(4) Violation of any applicable requirements of the permit issued for the operation of the UST
(6) Violation of any applicable requirements of HSC Chapter 6.7 or any regulation adopted by the board pursuant to Section 25299.3.

HSC Sec. 25299(b) provides for civil liabilities imposed on the tank owner of up to $5000 per tank per day per violation for:

(4) Violation of any applicable requirement of the permit issued for operation of the UST

At this time, you are required to correct the tank system operation deficiencies identified in this inspection report, namely:

- Correct the operation and maintenance problems identified during the August 28, 2003 inspection.
- Investigate the cause of the failed tank test for the supreme product tank.

Pursuant to HSC Sec. 25288(d), you are required to submit a P*lan of Correction* **within 60 days**. This plan shall indicate the tasks to be completed, or those that have been completed already, and the schedule for doing so.

You must certify, once all the necessary repairs and other tasks have been completed, that the tank system is in full compliance with HSC Chapter 6.7 and UST regulations.

Please contact me at (510) 567-6781 if you have any questions about the content of this letter.

Sincerely,

Robert Weston
Senior Hazardous Materials Specialist

enclosures

Cc: Susan Hugo, Manager, ACDEH
Donna Drogos, LOP, ACDEH
Susan Torrence, Deputy District Attorney, Alameda County District Attorney's Office
Leslie Alford, State Water Resources Control Board, Clean Water Program

SYSTEM SETUP
- - - - - - - - - - - - -
AUG 28. 2003 11:43 AM

SYSTEM UNITS
U.S.
SYSTEM LANGUAGE
ENGLISH
SYSTEM DATE/TIME FORMAT
ION DD YYYY HH:MM:SS xM

CHEVRON
2920 CASTRO VLLY BL
CASTRO VALLEY
SITE 96991

SHIFT TIME 1 : 4:00 AM
SHIFT TIME 2 : DISABLED
SHIFT TIME 3 : DISABLED
SHIFT TIME 4 : DISABLED

TANK PERIODIC WARNINGS
DISABLED
TANK ANNUAL WARNINGS
DISABLED
LINE PERIODIC WARNINGS
DISABLED
LINE ANNUAL WARNINGS
DISABLED

PRINT TC VOLUMES
DISABLED

TEMP COMPENSATION
VALUE (DEG F): 60.0
STICK HEIGHT OFFSET
DISABLED

S-PROTOCOL DATA FORMAT
EIGHT
PRECISION TEST DURATION
OURS: 12
DAYLIGHT SAVING TIME
ENABLED
START DATE
APR WEEK 1 SUN
START TIME

IN-TANK SETUP
- - - - - - - - - - - - -

T 1:SUPREME
PRODUCT CODE : 1
THERMAL COEFF : .000700
TANK DIAMETER : 90.88
TANK PROFILE : 4 PTS
FULL VOL : 9842
68.2 INCH VOL : 7925
45.4 INCH VOL : 4895
22.7 INCH VOL : 1865

FLOAT SIZE: 4.0 IN. 8496

WATER WARNING : 1.0
HIGH WATER LIMIT: 2.0

MAX OR LABEL VOL: 9842
OVERFILL LIMIT : 90%
: 8857
HIGH PRODUCT : 95%
: 9349
DELIVERY LIMIT : 5%
: 492

LOW PRODUCT : 500
LEAK ALARM LIMIT: 6
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00

MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 0%
: 0

LEAK MIN ANNUAL : 0%
: 0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

T 2:PLUS
PRODUCT CODE : 2
THERMAL COEFF : .000700
TANK DIAMETER : 90.88
TANK PROFILE : 4 PTS
FULL VOL : 9842
68.2 INCH VOL : 7925
45.4 INCH VOL : 4895
22.7 INCH VOL : 1865

FLOAT SIZE: 4.0 IN. 8496

WATER WARNING : 1.0
HIGH WATER LIMIT: 2.0

MAX OR LABEL VOL: 9842
OVERFILL LIMIT : 90%
: 8857
HIGH PRODUCT : 95%
: 9349
DELIVERY LIMIT : 5%
: 492

LOW PRODUCT : 500
LEAK ALARM LIMIT: 6
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00

MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 0%
: 0

LEAK MIN ANNUAL : 0%
: 0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 5 MIN

T 3:REGULAR
PRODUCT CODE : 3
THERMAL COEFF : .000700
TANK DIAMETER : 90.88
TANK PROFILE : 4 PTS
FULL VOL : 9842
68.2 INCH VOL : 7925
45.4 INCH VOL : 4895
22.7 INCH VOL : 1865

FLOAT SIZE: 4.0 IN. 8496

WATER WARNING : 1.0
HIGH WATER LIMIT: 2.0

MAX OR LABEL VOL: 9842
OVERFILL LIMIT : 90%
: 8857
HIGH PRODUCT : 95%
: 9349
DELIVERY LIMIT : 5%
: 492

LOW PRODUCT : 500
LEAK ALARM LIMIT: 6
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00

MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 0%
: 0

LEAK MIN ANNUAL : 0%
: 0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 5 MIN

* * * * * END * * * * *

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 3:REGULAR

SETUP DATA WARNING
AUG 27, 1998 3:44 PM

OVERFILL ALARM
AUG 2, 2003 1:25 AM
JUL 31, 2003 8:23 PM
JUL 8, 2003 3:07 AM

LOW PRODUCT ALARM
MAR 24, 2003 7:28 PM
JAN 25, 2003 7:13 PM
DEC 18, 2002 10:07 PM

HIGH PRODUCT ALARM
JUL 1, 2003 3:49 AM
MAY 16, 2003 9:51 PM
APR 25, 2003 2:23 AM

PROBE OUT
FEB 25, 2003 10:03 AM
JAN 2, 2002 2:29 PM
AUG 27, 1998 3:36 PM

NO CSLD IDLE TIME
NOV 2, 2001 8:00 AM
JUN 22, 2001 8:00 AM
DEC 5, 2000 8:00 AM

* * * * * END * * * * *

* * * * * END * * * * *

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 2:PLUS

SETUP DATA WARNING
AUG 27, 1998 3:39 PM

OVERFILL ALARM
JAN 6, 2000 3:22 AM

LOW PRODUCT ALARM
MAR 8, 2002 6:06 PM
JUL 8, 2001 9:38 PM
MAY 5, 2001 3:49 PM

HIGH PRODUCT ALARM
JAN 6, 2000 3:23 AM

INVALID FUEL LEVEL
FEB 26, 2002 10:39 AM

PROBE OUT
FEB 26, 2002 10:16 AM
AUG 27, 1998 3:36 PM

HIGH WATER WARNING
APR 26, 2003 4:12 AM
DEC 14, 2002 3:21 PM
FEB 20, 2002 5:52 AM

* * * * * END * * * * *

ALARM HISTORY REPORT

---- IN-TANK ALARM -----

T 1:SUPREME

SETUP DATA WARNING
AUG 27, 1998 4:05 PM

OVERFILL ALARM
MAR 23, 2003 3:52 AM

LOW PRODUCT ALARM
DEC 24, 2002 9:14 AM
NOV 5, 2001 8:24 PM
MAY 5, 2001 4:01 PM

PROBE OUT
FEB 25, 2003 10:03 AM
OCT 5, 1998 11:04 AM
AUG 27, 1998 3:36 PM

HIGH WATER WARNING
JAN 3, 2003 8:53 PM

PERIODIC TEST FAIL
FEB 15, 2003 5:41 AM

NO CSLD IDLE TIME
MAY 5, 1999 8:00 AM
MAR 27, 1999 8:00 AM
MAR 12, 1999 8:00 AM

CSLD INCR RATE WARN
SEP 11, 1998 12:48 AM
SEP 10, 1998 6:45 AM
SEP 10, 1998 2:04 AM

* * * * * END * * * * *

CHEVRON
2920 CASTRO VLLY BL
CASTRO VALLEY
SITE 96991

FEB 16, 2003 8:00 AM

CSLD TEST RESULTS
- - - - - - - - - - -
FEB 16, 2003 8:00 AM

T 1:SUPREME
PROBE SERIAL NUM 367699

0.2 GAL/HR TEST
PER: FEB 16, 2003 FAIL

T 2:PLUS
PROBE SERIAL NUM 367703

0.2 GAL/HR TEST
PER: FEB 16, 2003 PASS

T 3:REGULAR
PROBE SERIAL NUM 367701

0.2 GAL/HR TEST
PER: FEB 15, 2003 PASS

CHEVRON
2920 CASTRO VLLY BL
CASTRO VALLEY
SITE 96991

FEB 17, 2003 8:00 AM

CSLD TEST RESULTS
- - - - - - - - - - -
FEB 17, 2003 8:00 AM

T 1:SUPREME
PROBE SERIAL NUM 367699

0.2 GAL/HR TEST
PER: FEB 17, 2003 FAIL

T 2:PLUS
PROBE SERIAL NUM 367703

0.2 GAL/HR TEST
PER: FEB 17, 2003 PASS

T 3:REGULAR
PROBE SERIAL NUM 367701

0.2 GAL/HR TEST
PER: FEB 17, 2003 PASS

C
2
CASTRO ...
SITE 96991

FEB 17, 2003 11:51 AM

SYSTEM STATUS REPORT
- - - - - - - - - - -
T 1:PERIODIC TEST FAIL

CHEVRON
2920 CASTRO VLLY BL
CASTRO VALLEY
SITE 96991

FEB 17, 2003 9:11 AM

SYSTEM STATUS REPORT
- - - - - - - - - - -
T 1:PERIODIC TEST FAIL

2920 CASTRO VLLY BL
CASTRO VALLEY
SITE 96991

FEB 18, 2003 8:00 AM

CSLD TEST RESULTS
- - - - - - - - - - -
FEB 18, 2003 8:00 AM

T 1:SUPREME
PROBE SERIAL NUM 367699

0.2 GAL/HR TEST
PER: FEB 18, 2003 FAIL

T 2:PLUS
PROBE SERIAL NUM 367703

0.2 GAL/HR TEST
PER: FEB 18, 2003 PASS

T 3:REGULAR
PROBE SERIAL NUM 367701

0 TEST

CHEVRON
2920 CASTRO VLLY BL
CASTRO VALLEY
SITE 96991

FEB 19, 2003 12:35 PM

SYSTEM STATUS REPORT
- - - - - - - - - - -
T 1:PERIODIC TEST FAIL

CHEVRON
2920 CASTRO VLLY BL
CASTRO VALLEY
SITE 96991

FEB 19, 2003 12:36 PM

SYSTEM STATUS REPORT
- - - - - - - - - - -
T 1:PERIODIC TEST FAIL

CHEVRON
2920 CASTRO VLLY BL
CASTRO VALLEY
SITE 96991

FEB 19, 2003 8:00 AM

CSLD TEST RESULTS
- - - - - - - - - - -
FEB 19, 2003 8:00 AM

T 1:SUPREME
PROBE SERIAL NUM 367699

0.2 GAL/HR TEST
PER: FEB 19, 2003 FAIL

T 2:PLUS
PROBE SERIAL NUM 367703

0.2 GAL/HR TEST
PER: FEB 19, 2003 PASS

T 3:REGULAR
PROBE SERIAL NUM 367701

0.
PE PASS

Chu, Eva, Env. Health

From: Chu, Eva, Env. Health
Sent: Wednesday, September 24, 2003 3:50 PM
To: Karen Streich (E-mail)
Subject: Chevron Station 9-6991

Hi Karen,

I completed review of Cambria's September 2003 *Site Assessment/Summary* report prepared for the above referenced station. At this time, please include well MW-6 in future quarterly groundwater sampling events. Thanks.

Please forward this message to Cambria (I don't have R. Foss' or A Simmons email address)

eva chu
Alameda County Environmental Health
Sr Environmental Health Specialist
1131 Harbor Bay Parkway
Alameda, CA 94502
(510) 567-6762
(510) 337-9234 (fax)

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

STID 651

August 5, 2002

Mr. Phil Briggs
Chevron Products Company
P.O. Box6004
San Ramon, CA 94583-09004

RE: Chevron Station No 9-6991 at 2920 Castro Valley Blvd., Castro Valley

Dear Mr. Briggs:

I have received and reviewed "Soil Boring and Utility Trench Investigation Report" dated April 29, 2002, by Mr. Tony Mikacich of Gettler-Ryan Inc. regarding the above referenced site.

This document reports result of the advancement of six soil borings SB-1 thorough SB-6 and proposes to install monitoring well MW-8 and MW-9 for further delineation of the existing plume at the above referenced site. This document also looked into possibilities of preferential pathway created by sewer line south of the property.

Water table has been generally detected around 10.5 feet. This report indicates groundwater flow to be northwesterly to southwesterly. However, the last two groundwater calculations seem to indicate a westerly to southwesterly direction. This report indicates that the most significant concentration of constituent was detected in SB5 with SPH in soil and groundwater. However, the soil concentration of SB5 at 10 feet within table 2 indicates 250ppm of TPHg, 53ppm of TPHd, and 0.99ppm of Xylene. There seems to be some errors in the document. The proposal for installment of MW-8 monitoring well seems acceptable to this office. However, the location of MW-9 should be further discussed as depicted within Figure 2 within this document. The flow gradient direction error has also been discussed previously.

Please contact this office in advance, several days, so that a representative of this office is to be present during the soil and groundwater sampling events.

Should you have any questions, please call me at (510)-567-6876.

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Mr. Tony Mikacich, Gethler-Ryan Inc., 6747 Sierra Court, Suite G, Dublin, CA 94568
Files

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

STID 651

6/13/2001

Mr. Phil Briggs
Chevron Products Company
P.O. Box6004
San Ramon, CA 94583-09004

RE: Chevron Station No 9-6991 at 2920 Castro Valley Blvd., Castro Valley

Dear Mr. Briggs:

I am in receipt of faxed copy of "Work Plan for Soil Borings and Monitoring Well Installation" dated 6/13/2001 by Mr. Tony Mikacich of Gettler-Ryan Inc. regarding the above referenced site.

This workplan proposes to advance six soil borings SB-1 thorough SB-6 and to install monitoring well MW-8 along the sewer lines south of the property. This investigation will be performed in order to further delineate the extent of the plume and to determine whether actual preferential pathways exists along the sewer line in the southern portion of the above referenced property.

Per my discussion with Mr. Mikacich, I concur with this investigation. However, I believe a two-phase investigation seems to be more logical. In fact I believe that the installment of the proposed MW-8 might be more logical after the first phase investigation (soil borings) in order to properly locate this well and to ensure that it will be down-gradient of the plume instead of missing the existing plume. Furthermore, Figure 2 of last report revealed a westerly flow during this period.

Otherwise I generally concur with the specified workplan per my discussion with Mr. Mikacich of Gettler-Ryan Inc. Please be advised that more investigation might be deemed necessary based on the result of this workplan.

A representative of this office is to be present during the soil and groundwater sampling events. Please inform this office several days prior to the actual sampling events.

Please call me at (510)-567-6876, should you have any questions.

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

Stid 651

December 18, 2000

Mr. Phil Briggs
Chevron Products Company
P.O. Box6004
San Ramon, CA 94583-09004

RE: Chevron Station No 9-6991 at 2920 Castro Valley Blvd., Castro Valley

Dear Mr. Briggs:

I just received a phone call from Mr. Scott Boor of Blaine Tech Services, who informed me that he no longer is your consultant, and that Ms. Deanna Harding of Gethler-Ryan is presently your active consultant. Therefore, I would like to inform your consultant regarding the last correspondence in regard to the above referenced site to Ms. Harding of Gettler-Ryan.

As you are aware in my correspondence dated October 13th, 2000, I made the following comments:

1. According to Groundwater Monitoring Report dated 4-24-2000, there is high concentration of MTBE in MW-3 and MW-7 followed by MW-2 at 5600ppb, 4230ppb, and 413ppb respectively. While MW-2 and MW-3 wells both reveal some increase in MTBE concentration, MW-7 well indicated some decrease for MTBE.

2. Figure 2 revealed a westerly flow during this period.

3. In a letter by you dated June 3, 1999, you indicated:" It appears that the sanitary sewer lines could be preferential pathway since their depth ranges from 10.5 feet to 12.1 feet below grade and groundwater depth has varied over time from 8.27 to 12.54 feet below grade". Furthermore, you asked to delay further action to evaluate possible migration of hydrocarbon constituents and to confirm groundwater flow direction since there was some change in its direction in the past. Additionally, Mr. James A. Perkins of Pacific Environmental Group expressed concern over using any geoprobes near the backfill to the sewer lines south of the south due to having high risk of encountering the sewer line in his report dated May 24th, 1999. I then asked about the status of this investigation and the steps taken to remedy this situation.

Please call me at (510)-567-6876, should you have any questions.

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Ms. Deanna Harding, Gethler-Ryan, 6747 Sierra Court, Suite G, Dublin, CA 94568
Files

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

Stid 651

December 13, 2000

Mr. Phil Briggs
Chevron Products Company
P.O. Box6004
San Ramon, CA 94583-09004

RE: Chevron Station No 9-6991 at 2920 Castro Valley Blvd., Castro Valley

Dear Mr. Briggs:

I have been recently assigned to oversee the remediation work conducted at the above referenced site. I have reviewed the files including the most recent Groundwater Monitoring Report dated 4-4-2000 by Mr. Scott Boor of Blaine Tech Services regarding the above referenced site. I would like to make the following comment regarding my review of the files:

- It has come to my attention that there was a letter by you dated June 3, 1999, where you have indicated:" It appears that the sanitary sewer lines could be preferential pathway since their depth ranges from 10.5 feet to 12.1 feet below grade and groundwater depth has varied over time from 8.27 to 12.54 feet below grade". Furthermore, you have asked to delay further action to evaluate possible migration of hydrocarbon constituents and to confirm groundwater flow direction since there was some change in its direction in the past. Additionally, In his report dated My 24, 1999, Mr. James A. Perkins of Pacific Environmental Group expressed concern over using any geoprobes near the backfill to the sewer lines south of the south due to having high risk of encountering the sewer line. I would like to know the status of this investigation and the steps taken to remedy this situation.

- Per Groundwater Monitoring Report dated 4-24-2000, High concentrations of MTBE still exists in MW-3 and MW-7 followed by MW-2 at 5600ppb, 4230ppb, and 413ppb. MW-2 and MW-3 wells both reveal some increase in MTBE concentration while MW-7 indicates some decrease for the same constituent.

- The flow gradient per figure 2 is westerly during this period.

If you have any questions, please do not hesitate to call me at (510) 567-6876.

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Mr. Scott Boor, Blaine Tech Services, 1680 Rogers Ave., San Jose, CA 95112-1105
Files

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)

August 23, 1999

STID 651

Phil Briggs
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583-0904

RE: Chevron Service Station #9-6991, 2920 Castro Valley Boulevard, Castro Valley

Dear Mr. Briggs:

I have reviewed the June 28, 1999 Cambria Environmental Technology, Inc. (Cambria) *Subsurface Utility Investigation Workplan*, as submitted under Chevron cover dated July 9, 1999. This workplan proposes the installation of 3 to 4 soil borings using Geoprobe® direct push tools. I understand that each sampling probe will be advanced into the porous backfill of the sanitary sewer trenches along both Anita Avenue and Castro Valley Boulevard. This work is an attempt to determine if sanitary sewer trenches serve as preferential pathways for the migration of contaminated groundwater from the subject Chevron site.

The cited Cambria work plan has been accepted as submitted.

Please call me at (510) 567-6783 when fieldwork has been scheduled or should you have any questions.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB
Gail Stanton, Castro Valley Sanitary District
Robert Foss, Cambria Environmental Technology, Inc.

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 16, 1999

STID 651

Mr. Phil Briggs
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583-09004

RE: Chevron Station #9-6991, 2920 Castro Valley Boulevard, Castro Valley – Request for Utility Conduit Investigation Workplan

Dear Mr. Briggs:

As we discussed today, please have your consultant submit a work plan for the intrusive evaluation of the sewer trenches that skirt the subject site. The May 24, 1999 Pacific Environmental Group, Inc. (PEG) utility survey report demonstrates that sewer line trenches in proximity to this site are at a depth consistent with that of underlying groundwater. Such utility trenches may act, therefore, as conduits for dispersion of the gasoline plume away from the site.

The requested work plan is due within 45 days of the date of this letter.

Please call me at (510) 567-6783 should you have any questions.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB
Robert Weston, ACDEH

Chevron

June 3, 1999

Chevron Products Company
6001 Bollinger Canyon Road
Building L, Room 1080
PO Box 6004
San Ramon, CA 94583-0904

Philip R. Briggs
Project Manager
Site Assessment & Remediation
Phone 925 842-9136
Fax 925 842-8370

Mr. Scott Seery
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Service Station #9-6991
2920 Castro Valley Blvd., Castro Valley, California

Dear Mr. Seery:

Enclosed is the Utility Survey Report that was prepared by our consultant Pacific Environmental Group Inc., for the above noted site. This survey was prepared to evaluate whether the utility alignments could act as preferential pathways for the migration of contaminated groundwater.

It appears that the sanitary sewer lines could be a preferential pathway since their depth ranges from 10.5 feet to 12.1 feet below grade and ground water depth has varied over time, from 8.27 feet to 12.54 feet below grade.

In the First Quarter Monitoring Report (sent under separate cover, dated 5/18/99) the groundwater flow direction changed from the normally southerly direction to a northwesterly direction, which could be anomaly. It appears to be appropriate to delay any further action to evaluate the possible migration of hydrocarbon constituents, until the groundwater flow direction has been confirmed. The next sampling event is scheduled this month.

If you have any questions, call me at (925) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manager

99 JUN -7 PM 3:35
ENVIRONMENTAL PROTECTION

Enclosure

Cc. Bill Scudder, Chevron

Mr. Chuck Headlee
RWQCB-San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, CA 94612

STID 457

Chevron

May 10, 1999

Chevron Products Company
6001 Bollinger Canyon Road
Building L, Room 1080
PO Box 6004
San Ramon, CA 94583-0904

Philip R. Briggs
Project Manager
Site Assessment & Remediation
Phone 925 842-9136
Fax 925 842-8370

Mr. Scott Seery
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Subject: Certified List of Record Fee Title Owners
For: Chevron Service Station # 9-6991
2920 Castro Valley Blvd., Castro Valley, California

Dear Mr. Seery:

In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, Chevron Products Company, certify that we are the sole landowner for the above site.

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manger

CC Mr. Chuck Headlee
RWQCB-San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, CA 94612

Mr. Bill Scudder, Chevron

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

May 5, 1999

STID 651

Mr. Phil Briggs
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583-0804

RE: Chevron Service Station, 2920 Castro Valley Boulevard, Castro Valley

LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS

Dear Mr. Briggs:

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.

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) 567-6783 should you have any questions about the content of this letter.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

Attachments

cc: Chuck Headlee, RWQCB

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, *(name of primary responsible party)*, 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

Chevron

February 18, ~~1998~~ 1999

Chevron Products Company
6001 Bollinger Canyon Road
Building L, Room 1110
PO Box 6004
San Ramon, CA 94583-0904

Philip R. Briggs
Project Manager
Site Assessment & Remediation
Phone 925 842-9136
Fax 925 842-8370

Mr. Scott Seery
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

5/5/99 Called Phil Briggs re: whereabouts of utility survey work plan. SDS

Re: Chevron Service Station #9-6991
2920 Castro Valley Blvd., Castro Valley, California

Dear Mr. Seery:

Enclosed is the Fourth Quarter 1998 Groundwater Monitoring Report that was prepared by our consultant Blaine Tech Services Inc., for the above noted site. The groundwater samples were analyzed for TPH-g, TPH-d, BTEX and MtBE. Samples are collected from monitoring wells MW-1 annually (1st quarter), MW-2 semi-annually (1st and 3rd quarters) and MW-7 quarterly. Well MW-3 has been added back to the sampling program per your request and will be sampled quarterly.

MtBE was 62000 ppb!

The benzene concentration decreased in monitoring well MW-7 from the previous sampling event, while it was below method detection limits in well MW-3. The chromatogram pattern indicated an unidentified hydrocarbon was detected in MW-3, when it was analyzed for TPH-d.

The depth to groundwater varied from 10.25 feet to 11.55 feet below grade, with a direction of flow changing to southwesterly from the previous southeasterly.

In the next sampling event confirmation of MtBE by EPA Method 8260 will be conducted in those wells that detect MtBE by EPA 8020.

7 A work plan to conduct a utility survey has been submitted to your office under separate cover. This work will proceed with approval of the work plan.

Chevron will continue the monitoring program as noted above. If you have any questions, call me at (925) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

Cc. Bill Scudder, Chevron

Mr. Chuck Headlee
RWQCB-San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, CA 94612

Post-It® Fax Note	1	Date 2-5-99	# of pages ▶ 1
To SCOTT SEERY		From PHIL BRIGGS	
Co./Dept. ACHCS		Co. CHEVRON	
Phone #		Phone # 925 842-9136	
Fax # 510 337-9335		Fax #	

PACIFIC ENVIRONMENTAL GROUP, INC.

AN EA COMPANY

P.M.D.

FEB 18 '99

February 17, 1999
Project 325-079.1A

Mr. Phil Briggs
Chevron Products Company
P.O. Box 5004
San Ramon, California 94583

Re: Work Plan for Utility Survey
Chevron Service Station 9-6991
2920 Castro Valley Boulevard
Castro Valley, California

Dear Mr. Briggs:

This letter, prepared by Pacific Environmental Group, Inc. (PACIFIC) on behalf of Chevron Products Company (Chevron), presents a work plan to conduct a utility survey in order to determine the location of utility line trenches which may be acting as preferential pathways for the migration of methyl tert-butyl ether (MtBE) and gasoline constituents in groundwater at the site referenced above. The scope of work will include performing a utility survey and plotting utility locations on a map. Following completion of the survey, a report will be prepared with an evaluation of the conduits in the area and will make recommendations if further investigation is required. The work plan is presented in response to the December 1, 1998 letter from the Alameda County Department of Environmental Health (ACDEH). If you have any questions regarding the contents of this work plan, please call.

Sincerely,

Pacific Environmental Group, Inc.

Suzanne McClurkin-Nelson
Staff Scientist

10/99

James A. Perkins
Project Geologist
RG 4472

cc: Mr. Scott O. Seery, Alameda County Department of Environmental Health
Mr. Chuck Headlee, Regional Water Quality Control Board – S.F. Bay Region

Seery, Scott, Public Health, EH

From: Seery, Scott, Public Health, EH
Sent: Tuesday, December 01, 1998 1:54 PM
To: Weston, Robert, Public Health, EH
Cc: Peacock, Tom, Public Health, EH; Pantages, Dick, Public Health, EH
Subject: Chevron Station # 9-6991, 2920 Castro Valley Bl., Castro Valley

Rob

I wanted to bring to your attention the marked increase of MtBE and other fuel components in groundwater samples collected in August from wells at this site. MtBE has been elevated since 1996 (5300 ug/l), but was hovering between 11,000 and 20,000 ug/l since. In August it rose to 47,000 ug/l; benzene rose from 16 to 350 ug/l between June and August 1998.

I wondered what the status of the UST certification was and if you needed any help with this particular site.

Scott

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)

December 1, 1998

STID 651

Mr. Phil Briggs
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583-09004

RE: Chevron Station #9-6991, 2920 Castro Valley Boulevard, Castro Valley

Dear Mr. Briggs:

I recently assumed management of this case, including most-recently completed review of the case file, up to and including the October 26, 1998 Blaine Tech Services, Inc. (BTS) 3rd quarter 1998 monitoring report. This report documents the sampling and monitoring of wells located at this site during August 1998.

Groundwater samples were collected from wells MW- 1, -2, and -7 during this reporting period. Concentrations of both MtBE and benzene rose markedly during this sampling event. MtBE concentrations are reported to be up to 47,000 ug/l in well MW-7, an increase of 35,000 ug/l from the June event. Benzene concentrations also increased in this well, from 16 ug/l in June to 350 ug/l in August.

Historically, MtBE has been sought in sampled groundwater at this site since December 1995. The initial sample collected from well MW-7 during that 1995 event indicated MtBE was not detected (<2.5 ug/l). During the next sampling event, in March 1996, MtBE was reported at a concentration of 5300 ug/l in this well. By June 1996, MtBE concentrations had risen to 14,000 ug/l in this same well. By September 1996, the MtBE concentration was reported to be 20,000 ug/l. Since then, reported MtBE concentrations had remained between 12,000 and 15,000 ug/l in MW-7, with a drop in March 1997 to 2100 ug/l, and another in March 1998 where MtBE was not detected (<2.5 ug/l).

MtBE has been sought only once (December 1995) in samples collected from wells MW-3 and –4. These wells are located cross- and down-gradient of both the UST cluster, and current and former dispenser islands. MtBE was reported at a concentration of 1400 ug/l in MW-3, and 9.9 ug/l in MW-4 during that sampling event. According to the approved sampling plan negotiated at that time, neither well has been sampled since.

At this time, please reinstate the sampling of well MW-3, adhering to a quarterly schedule. Hence, both MW-3 and -7 will be sampled and monitored each quarter.

Storm and sanitary sewer lines run beneath Castro Valley Boulevard and Anita Avenue. The trenches in which these lines are placed, and perhaps the lines themselves, may present preferential pathways for the migration of contaminated groundwater (i.e., MtBE) away from the site should such utility trenches be inundated by shallow groundwater. Historic depth-to-groundwater data for this site suggest that this may be occurring. This issue must be evaluated.

Please submit a work plan describing plans to evaluate these and other potential utility alignments as conduits for contaminant dispersal from the site. This work plan is due within 45 days of the date of this letter.

Please call me at (510) 567-6783 should you have any questions.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Mee Ling Tung, Director, Environmental Health
Chuck Headlee, RWQCB
Robert Weston, ACDEH

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 20, 1997

John Randall
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583-0904

RE: SUBMITTAL OF QUARTERLY REPORTS

Dear Mr. Randall:

It has become increasingly apparent that quarterly monitoring and sampling reports for Chevron site assessment or remediation projects are not being submitted in a timely fashion. For example, 3rd quarter 1996 reports for several sites where sampling occurred in September 1996 were just submitted in February 1997, a full 5 months after the fact. This is not acceptable, particularly in those cases where the facts would have supported a request by this agency of some action by Chevron in the interim.

Please inform your staff that we expect such standard quarterly reports to be submitted within 60 days of the completion of field activities.

Please call me at (510) 567-6783 should you have any questions.

Sincerely,

Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

cc: Mee Ling Tung, Agency Director
Gordon Coleman, Acting Chief, Environmental Protection
Tom Peacock, ACDEH LOP
Larry Blazer, Alameda County District Attorney's Office
Kevin Graves, RWQCB
ACDEH LOP staff

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

RAFAT A. SHAHID, Assistant Agency Director

StId 651

Alameda County Environmental Health Dept.
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda CA 94502-6577
(510)567-6700 fax: (510)337-9335

January 10, 1996

Mark Miller
Chevron U.S.A. Products Company
PO Box 5004
San Ramon CA 94583-0804

Subject: Investigations at Chevron Service Station #9-6991 located at 2920 Castro Valley Blvd., Castro Valley, CA

Dear Mr. Miller:

This office has completed a review of Gettler-Ryan Inc.'s Well Installation Report dated October 27, 1995 and Blaine Tech Services Inc.'s 3rd Quarter 1995 Groundwater Monitoring report dated November 2, 1995 for the subject site. Monitoring well MW-7 was installed downgradient of the former underground storage tank pit on August 30, 1995. Groundwater was most recently sampled and analyzed from monitoring wells MW-1 through MW-7 on September 25, 1995.

In response to your meeting with Scott Seery of this office and Kevin Graves with the RWQCB on January 26, 1995, regarding the Comprehensive Site Evaluation and Proposed Future Action Plan dated December 20, 1994, and your letter dated December 3, 1995, a *modified* version of the proposed monitoring and sampling schedule is approved. Groundwater has been sampled and analyzed at this site since October 1991. Because impact to groundwater appears to be localized to the site and contaminant concentrations continue to be low, a reduction in groundwater monitoring/sampling can be implemented as follows:

Well ID	Sampling schedule
MW-1	Annual (1st quarter)
MW-2	Semi-annual (1st and 3rd quarters)
MW-3	Discontinue sampling
MW-4	Discontinue sampling
MW-5	Discontinue sampling
MW-6	Discontinue sampling
MW-7	Quarterly

Please submit ground water monitoring reports to this office on a semi-annual basis for this site and begin analyzing/reporting for Methyl Tertiary Butyl Ether (MTBE) during the next groundwater sampling event. Attached is a letter from the San Francisco Regional

Quality Control Board dated May 2, 1995 which requires reporting of MTBE at all sites where a gasoline release occurred after 1983. The status of this site and sampling program will be reevaluated at the end of 1996.

Please note that the review of environmental assessment/investigations for the subject site has been transferred from Scott Seery to the undersigned of this office. Should you have questions, please contact me at (510)567-6755 and submit all reports to my attention. Thank you for your attention to these matters.

Sincerely,

Amy Leech

Amy Leech
Hazardous Materials Specialist

ATTACHMENT

c: Ed Laudani, Alameda County Fire Department
Kevin Graves, RWQCB
Gordon Coleman - File(ALL)

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

RAFAT A. SHAHID, Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Environmental Protection Division
1131 Harbor Bay Parkway, #250
Alameda, CA 94502-6577
(510) 567-6700

August 8, 1995

STID 651

Mr. Mark Miller
Chevron U.S.A. Products Company
P.O. Box 5004
San Ramon, CA 94583-0804

RE: CHEVRON STATION #9-6991, 2920 CASTRO VALLEY BOULEVARD, CASTRO VALLEY

Dear Mr. Miller:

I have completed review of the July 21, 1995 Gettler-Ryan Inc. (GRI) well installation work plan, as submitted under Chevron cover of the same date. This work plan presents the scope of work associated with the installation of one additional well, designated MW-7, at the subject site.

The cited GRI work plan has been accepted as submitted. Please contact this office when field work has been scheduled to begin. I may be reached at 510/567-6783.

Sincerely,

Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Agency Director
Gil Jensen, Alameda County District Attorney's Office
Ed Laudani, Alameda County Fire Department
Stephen Carter, Gettler-Ryan Inc., 6747 Sierra Ct., Ste. J
Dublin, CA 94568

STATE OF CALIFORNIA PETE WILSON, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION
2101 WEBSTER STREET, SUITE 500
OAKLAND, CA 94612

Phone: (510) 286-1255
Fax: (510) 286-1380

Mr. Scott Seery
Department of Environmental Health
80 Swan Way, Room 210
Oakland, CA 94621

November 5, 1992
File: UST (RCH)

RE: Pilot Study; Chevron Station # 9-6991, 2920 Castro Valley Blvd., Castro Valley

Dear Mr. Seery:

I have had the opportunity to review the information that you have submitted regarding the use of the "Powercore method" and the use of 3/4" monitor wells. My understanding of the purpose of this study was to demonstrate a side by side comparison with standard construction 2" wells. Data from three, 3/4" wells was to be compared to data from three, corresponding 2" wells. This was not done. Instead only one 2" well was installed. The inferences that can be made regarding this pilot study are at best limited. I am not aware of any statistical groundwater analysis methods that utilize only two points as a population.

As with all monitor well construction the purpose is to achieve a representative groundwater sample and allow for the measurement of hydraulic parameters. The uncertainties involved with any method of well construction and application are to be avoided whenever practically possible. Some of the uncertainties involved with the "Powercore method" and application would include:

1) Sampling: Poor recovery for non-cohesive soils.

2) Shearing or smearing of the borehole surface: Energy associated with well development has minimal impact beyond the filter pack. Thus the smear zone will not be removed and will instead present effectiveness problems both with well development and sampling hydraulic parameters.

3) Filter pack: Construction limitations on uniform placement.

4) Limited applicability with respect to depth or use (aquifer tests, extraction well conversion).

This method at best appears to have <u>very</u> limited application. While there is a growing need to reduce the costs associated with hydrogeologic investigations I would not recommend using or approving this method at this time without further study of its application and reliability.

Sincerely,

Richard Hiett
Water Resources Control Engineer

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
(415) 271-4300

January 21, 1992

Mr. Eddie So
Regional Water Quality Control Board-
San Francisco bay Region
2101 Webster Street, 4th Floor
Oakland, CA 94612

RE: PILOT STUDY; CHEVRON STATION #9-6991, 2920 CASTRO VALLEY BOULEVARD, CASTRO VALLEY

Dear Mr. So:

Attached please find a copy of the Groundwater Technology, Inc. (GTI) response to the December 5, 1991 correspondence from this office. You may recall that the referenced December 5 correspondence addressed the results of an initial ground water investigation at this site. This investigation, as well as an investigation at another Chevron site in Oakland, involved the installation of 3/4-inch monitoring wells using an "experimental" Powercore drilling method. The initial results of the well installation at this site seemed less than favorable, primarily because of poor sample recovery, a possible limiting factor with this method.

Following lengthy consultation with your office, it was determined that the relative effectiveness of these small diameter wells had not been established, when compared to the larger-diameter wells in common use for such investigations. In the referenced December 5 correspondence, Chevron was requested to install additional standard sized wells (2-4") adjacent to the 3/4-inch wells installed previously. Further, Chevron was advised that the use of these 3/4-inch wells would <u>not</u> be allowed elsewhere unless proven as effective as larger-diameter wells. To address this point, Chevron was encouraged to use this site for a pilot study.

The attached GTI letter attempts to address some of the apparent limitations to the Powercore method, and informs us that Chevron will be using this site for a pilot study. However, GTI limits the installation of additional standard sized wells to <u>one</u> (1), asserting that only a single well is necessary to validate the data collected from all remaining 3/4-inch wells on-site.

Please review the attached letter at your earliest convenience. Please also provide written comments regarding this issue directly to Ms. Nancy Vukelich of Chevron U.S.A., where appropriate.

Please call me at 510/271-4320 with any questions or comments. I appreciate your attention to this matter.

Sincerely,

Scott O. Seery
Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health
Edgar Howell, Chief, Hazardous Materials Division
files

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)

December 5, 1991

Ms. Nancy Vukelich
Chevron U.S.A. Inc.
2410 Camino Ramon
P.O. Box 5004
San Ramon, CA 94583-0804

RE: CHEVRON SERVICE STATION #9-6991, 2920 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, ALAMEDA COUNTY

Dear Ms. Vukelich:

The Alameda County Environmental Health Department, Hazardous Materials Division, has completed review of the November 11, 1991 Groundwater Technology, Inc. (GTI) preliminary site assessment report (PSA), as submitted under Chevron cover dated November 14, 1991. The noted report documents the results of the PSA, conducted during September and October 1991, which included the installation of three (3) 3/4-inch diameter ground water monitoring using an "experimental" Powercore method, and soil and ground water sampling. Please be advised that the opinions and directives expressed in this letter are in concurrence with the San Francisco Bay Regional Water Quality Control Board (RWQCB).

Review of the cited report indicates that appropriate soil and ground water analyses were <u>not</u> performed as required. The approved GTI work plan, as amended June 14, 1991, acknowledged the requirement for soils and ground water collected from the well completed closest to the former waste oil tank pit (designated MW-1 in the Nov. 11 GTI report) to be analyzed for TPH as both gasoline and diesel, BTEX, TOG, halogenated hydrocarbons, semivolatile organic compounds, and specific metals. These requirements are in accordance with the RWQCB <u>Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks</u>. Soil and ground water collected from MW-1 were only analyzed for TPH-G, BTEX, and TOG.

The noted GTI work plan, as amended, further acknowledged that soil and ground water samples collected from the wells completed closest to the fuel tank cluster and former product lines (designated MW-2 and -3) would be analyzed for TPH as both gasoline and diesel, and BTEX. Soil and ground water collected from MW-2 and -3 were only analyzed for TPH-G and BTEX.

The limited laboratory analyses data do indicate, however, that ground water and, to a certain extent, soils beneath the site have been impacted by fuel hydrocarbons. Elevated concentrations of TPH-G and BTEX were detected in ground water collected from each well. TPH-G and benzene concentrations were as high as 230 and 45 micrograms per liter (ug/l or ppb), respectively, in MW-1; 110 and 5.1 ppb in MW-2; and, 81 and 1.9 ppb in MW-3. Benzene levels all exceed the state MCL of 1.0 ppb. TOG was not detected in water collected from MW-1. Collected soil samples show negligible or nondetectable concentrations of TPH-G, BTEX, and TOG.

The use of the Powercore method at this site, as previously stated, was an experiment to determine its applicability to well installations and soil sampling in shallow ground water environments. We can only state that, very preliminarily, the 3/4 inch monitoring wells constructed using this technique allowed the collection of ground water at this particular site. Whether or not the 3/4 inch wells allowed the collection of <u>representative</u> ambient ground water samples, or whether such wells will <u>continue</u> to allow the collection of such samples, is unknown.

The Powercore method does have some obvious, practical limitations. The November 11 report documents GTI's difficulty in recovering soil samples from MW-1 during coring. The report does not attempt to explain the possible cause(s) of this failed recovery. One possible explanation for failing to recover samples may be a consequence of the loose clayey- and gravelly-sands encountered in the unsaturated zone in boring MW-1 which, upon removal of the sample barrel, simply would not remain in the barrel. No mention is made whether or not finger-type sample retainers were used. Recovery appears to have been more successful where more cohesive clays and silts were encountered in MW-2 and -3.

Further compounding the difficulty in using this sampling method, the entire string of sample barrels must be removed from the formation to extract the continuous soil core and retrieve the brass-lined soil sample, and presumably to construct the well. Should the formation be poorly consolidated or, as is the case with sediments encountered in boring MW-3, saturated at shallow depth, there is no mechanism to prevent sloughing of the bore hole when the sample barrel is removed. This problem, according to the November 11 GTI report, prevented the collection of representative samples below a depth of 10 feet in MW-3.

Please bear in mind that the results of this experimental drilling project **do not** constitute a successful pilot study. Without thorough research and successful bench scale/pilot studies that document that Powercore-installed wells, in addition to the soil sampling component, function as effectively as their larger-diameter counterparts using more traditional well boring methods, this drilling method cannot be approved for use elsewhere in Alameda County.

This Department and the RWQCB invite the evaluation of new and innovative technologies that will save time, money, and other resources, and which are less disruptive to the sites being investigated. However, before new technologies can be accepted for widespread use, they must be shown to provide data which allow for the same reproducibility and level of confidence as with those investigative methods already in common use.

Be advised that if Chevron should decide to use the Castro Valley site for a pilot study, the Department and RWQCB will require Chevron to install additional wells of standard diameter (2-4"), using standard drilling techniques (e.g., hollow stem auger). Such wells must be constructed in close proximity to, and have the same overall length and screened intervals as, the existing 3/4 inch wells. <u>All</u> wells would have to be sampled and monitored the same day, and analyzed for the same range of target compounds.

In order to verify that the sample data collected from the 3/4 inch wells are truly representative, the following tasks are considered necessary to complete:

1) Advance one soil boring within 5 feet of each current 3/4 inch well (MW-1, -2, and -3) using standard drilling methods (e.g., hollow stem auger). During boring advancement, soil samples are to be collected every 5-feet, at any significant changes in lithology, or where there is obvious contamination (by visual, olfactory, or organic vapor analyzer indicators). Samples are to be analyzed for TPH-G/D and BTEX. Additionally, soil samples collected from that boring advanced closest to MW-1 (proximal to the former waste oil tank pit) must also be analyzed for halogenated hydrocarbons, semivolatile organic compounds, and metals (Cd, Cr, Ni, Pb, and Zn);

2) New wells are to be a minimum diameter of 2", completed to the same depth, screened over the same interval, and have the same slot size and filter pack as their 3/4 inch counterparts. **Ground water collected from all wells (new and existing) is to be analyzed for the presence of TPH-G/D and BTEX. Ground water collected from wells proximal to the former waste oil tank will additionally be analyzed for halogenated hydrocarbons, semivolatile organic compounds and metals** (as listed above). **These analyses are to be performed on samples collected beginning December 1991.**

3) Ground water monitoring and sampling schedules are to adhere to those initially outlined in the June 26, 1991 correspondence from this Department: **water level measurements are to be taken for 12 consecutive months;** water samples are to be collected monthly for the first quarter, and then quarterly thereafter should contaminant levels stabilize or diminish, unless otherwise directed.

Please be further advised that, should Chevron decide not to use this site for a pilot study, the installation and monitoring of additional standard-sized wells will still be required, as outlined in Tasks 1-3, above. Solely monitoring the 3/4 inch wells currently on site will not be acceptable to this Department or RWQCB.

The results of these additional soil boring, well installation, and soil/water sample analyses, together with the well sampling information for the existing 3/4 inch wells, are to be presented in the 1991 4th quarter report, due for submittal February 1, 1992. The data must be presented such that two discrete data sets are shown, one data set representing each well type for the reported monitoring/sampling period. For example, ground water elevations and subsequent gradient determinations and maps for each well type must be generated and presented separately. All subsequent quarterly reports are to be presented in this fashion.

The 4th quarter 1991 report must also discuss any and all problems encountered earlier while using the Powercore drilling method, in terms of those difficulties noted during boring advancement, soil sampling, and well construction, development, and sampling, among other issues. Provide explanations for the apparent difficulties and possible solutions. The key is to openly discuss the merits and shortcomings of this technology.

Please feel free to contact me at 510/271-4320, and/or Mr. Eddie So of the RWQCB at 510/464-1255, to discuss the contents of this letter.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health
Edgar Howell, Chief, Hazardous Materials Division
Gil Jensen, Alameda County District Attorney's Office
Lester Feldman, RWQCB
Howard Hatayama, DTSC
Bob Bohman, Castro Valley Fire Department
Sandra Lindsey, GTI
files

CHEVRON 9[redacted]991
2925 C.V. Blvd.

12/23

REVIEW OF "PILOT STUDY" ISSUE/RESPONSES

(1) Requested (12/5/91) to analyze all wells for TPH-D/G and BTEX. Further well(s) closest to former W.O. tank to also be analyzed for Semi VOC, HOC, and metals. Chevron analyzed GW for the noted W.O. compounds once during Dec. 1991, and the results were below detection limits. Chevron then informed ACDEH they would not analyze for TOG, Semi VOC, or HOC in future.

(2) Requested all wells be gauged monthly for 12 mos. GTI's response generated "double speak". [redacted] "GW monitoring data collected at the site during the two subsequent monitoring events indicate the water level in MW-3 has stabilized and that the data from monitoring wells MW-1 and MW-2 has been consistent." Three paragraphs later GTI states "... because the validity of water levels has not been confirmed, the initial technical data derived from this frequency of monitoring does not appear to provide useful data at this time." What are they trying to say? That the water levels have stabilized, yet are not valid??

(3) No report for 1st quarter 1992! GW data tables in subsequent report indicate no monitoring or sampling occured between 12/4/91 and 6/5/92.

REVIEW OF JAN. 31, 1992 WORK PLAN FOR ADDITIONAL SITE ASSESSMENT (ETI):

(1) Need well "down gradient" of UST (fuel) pit, west side of C.V. entrance driveway; perhaps "off-site" well should be in median strip (SEE MAP)

(2) All wells to be gauged monthly for 12 consecutive months

(3) Samples to be collected at 5' intervals, signif. changes in lithology, or where "hits" occur.

(4) Need 3 2" wells near 3/4" wells already installed (SEE: Dec. 5, 1991 corresp. from ACDEH)

→ Chevron submitted a CSEPFAP last year & they were asked to install MW-7 dg of UST pit to confirm MW-6 conc are from an off-site source.

→ MW-7 was installed, see results & recent QMR.

→ Chevron wants concurrence on a proposed sampling schedule – see attached. & stop monit. MW-6.

→ The CSEPFAP should be modified w/ this new info ; Chev. waiting for new legislation.

→ Discuss incident. peak in TPHd range

→ Eliminate sampling at MW-5
→ MW-1 Annual 1st Q
MW-7 quart.
MW-2 semi-annual 1st & 3rd
3+4 eliminate

651 – 0.3
– 0.4
656

→ Why did they install MW-6 in that location & why all of the sudden did they discontinue sampling?
* See letter from Chevron dtd 5/13/94.

→ Continue to see (4 quart) an "unidentified hydrocarbon" peak in the diesel range.

Re WMP
→ Why eliminate MW-1 completely? & source

→ Is MW-2 a "~~sentinel~~" & MW-5 a "~~target well~~" → boundary wells

→ ok to stop @ MW-3 & MW-4

→ See results for MW-7 — low on benzene but unident hydro @ 1400 ppb TPHd
220 ppb TPHg & 0.79 ppb benzene

→ See pg 8 of CP - Proposes to monitor MW-6 & now is deleting this offer?

→ Need a new Table D-1.

↳ Evaluate w/ Scott

2920 C.V. Blvd.

① DTW measurements in MW-3/-4 have not been comparable historically (3/4" vs. 2" well; driven vs. drilled)

② MW-6: argument that HCs in this well couldn't have come from Chevron based on "fate + transport Theory", yet arguing it could have come from 2926 C.V. Bl.

③ no well @ site margin down gradient of UST pit or dispenser island along C.V. Blvd.

④ Pilot study – "out the window"
- did not comply with requests to perform "study" in a particular fashion

⑤ RG / CEG / PE for reports!

- no prof. interp of data have been presented for years
- most recent report not even prepared or signed by prof.

→ better potential source definition (e.g., where is HC coming from?) by tracking sewer lines, depth of burial, evaluation of H_2O in sewer ~~backfill~~, etc.

Flow

11/94	west
9/94	SW
5/94	WNW
4/94	W
3/94	WSW
10/93	W/SW
7/93	SW
1/93	WNW
10/92	SW
6	WNW

Analyses for Diesel, Gas, BTXE (lead?)

Samples along piping runs

Waste oil tank to be removed?

- installed 1983 4 f.g. single wall tanks

5030 [redacted] 5030

8015

methanol extraction in field - NOT GOOD IDEA

- detection limit

ethyl acetate TPH-D = 1.0 ppm

[redacted]

TOG - freon 113 extract needed

BTXE - methanol = 5.0 ppb

TPH-G "

8010 methanol extract - OK -

- info from lab -

5-22

Is field prepping OK? Solvent (methanol) OK?

How will "undisturbed" soil samples be collected using standard Calif-type split spoon samplers and brass/SS sleeves?

SEE: SOP 14 + 15

Soil samples need to analyzed for TPH-G/D, BTXE for those adjacent to fuel USTs; TOG, ClHC, in addition to those above, for w.o. UST (PCBs, PCPs, creosote, metals ??) [PCB, PCP, creosote, metals were not analyzed for originally although required]

Well locations need to reflect known GW flow direction and orientation relative to USTs/piping trenches (former Ulve's former W.O. UST pit?

Sampling using Peristalic pumps or air lift pumps should not be used (App C, pg A14, SWRCB LUFT Manual, Oct 1989 edition)

~~Need well schematic~~

Development adequacy should be gauged by degree turbidity and also stabilization of physical parameters (pH, conductance, temp)

Discourage use of Alconox (non phosphate ~ Liquinox)

- need minimum of # 1 foot bentonite seal

✓ Survey must be to an established benchmark to the [redacted] accuracy of 0.01 ft.
[redacted] must be referenced to MSL

- QA/QC

- Site safety plan

Superior Analytical Mentmer # 319

6/25

~~[redacted]~~

① use liners during samples

② remind about samples w/in 10' of canoe
laboratory analyses (Sec III. 1.6. RI/FS Guide
pg 11, 10 Aug 90 version)

③ copy of ~~[redacted]~~ sampling QA/QC protocols

④ Encouraged to use SS. beaker

Larry Parl

521-[redacted]11

Section III. 1. a , Pg 11 , 10 Aug 90 RWQCB Guidelines

"For contruction of the monitoring well within 10 feet of the contaminant source, all samples collected are to be analyzed in the laboratory for the appropriate 209 constituents (Table #2)."

Please keep in mind that additional bore holes, soil sampling

862-2596

464-13 So

Eddie

11-19-review

(1) failed to analyze soil / water samples for

see 6/4/91 correspondence from ACDEH.

mw-1 TPH-D, Cl HC, metals, semi volatile organics (8270)

mw-2 TPH-D

mw-3 TPH-D

6/14/91 GTI addenda states that all wells/soil will be analyzed for TPH-G/D, BTXE. Additionally, mw-1 will be also be analyzed for metals, TOG, Cl HC, 8270.

(2) mw-3 seems adequately sealed to prevent influx of very shallow GW (0.5-1.5 depth) from entering well.

(3) Limitations of Powercore technique:

Appear to be some limitations with regard to sample recovery, and in certain sediments, sloughing of hole when sample barrel is removed.

May be difficulty holding the hole open as boring is advanced and sample barrel is extracted.

FACSIMILE COVER SHEET

Chevron

CUSA MARKETING
WEST CENTRAL REGION
SR-2410 CAMINO RAMON

MAIL ADDRESS: CHEVRON U.S.A., INC.
P.O. BOX 5004
SAN RAMON, CA 94583-0804
(STREET) 2410 CAMINO RAMON

DATE: 11/21/91

TO: Scott Seery
Alameda County Health Care Services

FAX NUMBER 568-3706

FROM: Nancy Vukelich

PHONE NO. 842-9581

RM. NO./BLDG

SUBJECT: Chevron SS [illegible] - 2420 Castro Valley Blvd, Castro Valley

REMARKS: I have been out of the office attending various meetings this week. However, I wanted to acknowledge receipt of your phone call regarding the well installations at subject site and provide you with a brief response to your noted discrepancies.

1) Analyses for TPH-D, chlorinated hydrocarbons, semi-volatile organics, and metals in the soils adjacent to the former waste oil tank were inadvertently omitted from the chain of custody. There was a communication error by GTI to their field technician. I apologize for this oversight.

I have instructed GTI to sample all groundwater for the next event scheduled for 12/4 and analyze for TPH-G, TPH-D, BTEX and the other constituents noted above for MW-1 located adjacent to former waste oil tank.

2) MW-3 no longer appears to be an anomalous point. As of the 11/4 monitoring and sampling event, the depth to water was measured at 10.85'. The large discrepancy no longer exists. [illegible] MW-3 water within the .5 to 1.5 gravel layer was [illegible] well. This could be a result of a potential sprinkler line leak, etc. This may have resulted in an anomalous high. However, it appears to have equilibrated out with formation since the initial monitoring.

NUMBER OF PAGES INCLUDING COVER 1

TO REPLY BY FACSIMILE - DIAL: (415) 842-9591

I hope this will satisfy [illegible] Thank you

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)

June 26, 1991

Ms. Nancy Vukelich
Chevron U.S.A. Inc.
2410 Camino Ramon
P.O. Box 5004
San Ramon, CA 94583-0804

RE: CHEVRON STATION #9-6991, 2920 CASTRO VALLEY BLVD., CASTRO VALLEY; PRELIMINARY SITE ASSESSMENT PROPOSAL

Dear Ms. Vukelich:

This Department has completed review of the June 14, 1991 Groundwater Technology, Inc. (GTI) addenda to the initial April 26, 1991 GTI preliminary site assessment work plan for the investigation of the referenced Chevron site in Castro Valley. The noted work plan proposes to use an experimental "Powercore" drilling method to investigate the extent of subsurface contamination at this site.

This proposal, as amended, has been accepted with the following conditions:

1) The soil sampling barrels shall be outfitted with stainless steel or brass sleeves during each sample collection event as the sampling barrels are advanced into native materials. Once samples are collected, sample sleeves shall be handled in the same fashion as those collected using standard California-modified, split-spoon samplers.

2) **All** samples collected in "borings" advanced within 10-feet of each perceived contaminant source (i.e., former piping runs, tanks) shall be analyzed for target compounds appropriate for each potential source. [**See:** Section III.1.a, of the RWQCB "Guidelines", 10 AUG 91 edition]

3) The June 14 addenda identifies one of the target compounds for soil and water collected from the boring/well advanced closest to the former waste oil tank as "nitrates". This should actually have read **nickel**.

4) Because of the ease of its use, a stainless steel bailer is encouraged over of a Teflon "pipette" for the collection of water samples.

5) We expect to receive a copy of GTI's SOP for sampling QA/QC, as this document was omitted from the June 14 addenda.

A report must be submitted within 45 days of the completion of this phase of work at the site. Subsequent reports are to be submitted **quarterly** for the duration of the investigation until eligible for final "sign-off" by the RWQCB.

Such quarterly reports are due the first day of the second month of each subsequent quarter (i.e., August 1, November 1, February 1, and May 1). Hence, a report documenting work occurring during the third quarter 1991 is due for submittal November 1, 1991; one documenting fourth quarter work is due February 1, 1992, and so forth.

Please adhere to the following minimum monitoring schedule for the initial year of the investigation at this site:

1) Water levels in each well are to be measured and recorded monthly for the next year, and then quarterly thereafter;

2) All (new) monitoring wells are to be sampled **monthly** for the first quarter. Such monthly sampling may be reduced to quarterly after the first three months if concentrations of target compounds remain stable, or diminish, unless otherwise directed;

3) As indicated previously, summary reports are to be submitted to this Department and the RWQCB **quarterly** for the life of this project.

Please be advised that this is a formal request for technical reports pursuant to California Water Code Section 13267(b). Failure to respond or a late response may result in the referral of this case to the RWQCB for enforcement, possibly subjecting the responsible party to civil penalties to a maximum of $1,000 per day. Any extensions of stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or the RWQCB.

Should you have any questions, please call me at 415/ 271-4320.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health
Edgar Howell, Chief, Hazardous Materials Division

cc: (con't)

Gil Jensen, Alameda County District Attorney's Office
Howard Hatayama, DHS
Lester Feldman, RWQCB
Bob Bohman, Castro Valley Fire Department
Glen Mitchell, GTI
files

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

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To	From
Co.	Co.
Dept.	Phone #
Fax #	Fax #

Oakland, CA 94621
(415)

June 4, 1991

Ms. Nancy Vukelich
Chevron U.S.A. Inc.
2410 Camino Ramon
P.O. Box 5004
San Ramon, CA 94583-0804

RE: CHEVRON STATION #9-6991, 2920 CASTRO VALLEY BLVD., CASTRO VALLEY; PRELIMINARY SITE ASSESSMENT PROPOSAL

Dear Ms. Vukelich:

Thank you for the submittal of the April 26, 1991 Groundwater Technology, Inc. (GTI) preliminary site assessment (PSA) work plan, as submitted under Chevron cover dated April 30, 1991. The noted work plan outlines proposed actions to assess the extent of contamination and subsurface conditions at the referenced site using an innovative approach. This approach utilizes "Powercore" drilling technology, and results in the completion of small diameter (0.75 inch) monitoring wells. This technique is reportedly limited to shallow ground water conditions. Proponents of this technique claim some cost benefits as a result of reduced drilling waste production, and minimized disruption of facility operations.

Although this technique appears attractive, several elements of the submitted work plan require clarification. This work plan may be approved for this stage of the investigation provided the following issues are resolved to the satisfaction of this Department:

1) Discuss soil sampling techniques used to meet the requirement for collection of "undisturbed" samples. GTI SOP 14 discusses the use of standard 18 x 2 inch ID split-spoon sample barrels incorporating three 2 x 6 inch brass inserts (California type), yet the work plan indicates that steel 2 inch x 2.5 foot sampling barrels will be used, and that each barrel will, when extracted from the ground between each drive, be "...opened, [allowing] inspection of the continuous soil core sample generated." How will volatile compounds be protected from atmospheric exposure if the cores are opened for inspection? Are there brass or stainless steel liners in these core samplers?

   This section of the work plan also indicates that the field geologist will "...select samples for laboratory analyses from the total core." How will samples be "selected?" [**Note:** SOP 14 discusses field screening techniques when using standard California-modified, split-spoon samplers; however, SOP 14 does not appear to pertain to the planned sampling technique. Hence, we will not assume that the topic of field screening/sample selection has been clarified.]

2) Soil samples collected from borings advanced in closest proximity to the fuel tank cluster and product piping are to be analyzed for total petroleum hydrocarbons as both gasoline and diesel (TPH-G/D), and the volatile compounds benzene, toluene, xylene, and ethylbenzene (BTXE). [Please note that elevated levels of TPH as both diesel and gasoline were discovered in soil during earlier work at the site in proximity to the fuel USTs and piping runs.]

   Those samples collected in the boring advanced closest to the location of the former waste oil tank are to be analyzed for TPH-G/D, BTXE, total oil and grease (TOG), chlorinated hydrocarbons, metals (Cd, Cr, Pb, Zn, and Ni), and semivolatile organic compounds (PCB, PCP, PNA and creosote). These additional analyses are required by the RWQCB for samples associated with waste oil tank leaks, a number of which were **not** analyzed for during the first round of sampling during tank closure, although required.

   The first round of water sample analyses will mimic those for soil samples. The target compounds appropriate for future water analyses will depend upon the outcome of the initial sampling episode.

   For your information, the state-certified laboratory proposed by GTI, Superior Analytical Laboratories, is not presently certified to conduct a number of the required analyses.

3) Soil samples are to be collected every 5 feet, when there are significant changes in lithology, or in areas of obvious contamination noted during boring advancement.

4) Sampling ground water monitoring wells using Peristaltic or air lift pumps is not acceptable. Ground water samples should be collected using means which reduce the loss of volatile compounds, such as with Teflon/stainless steel bailers, or gas-actuated positive displacement pumps. [**See**: Appendix A, Pg. A14, SWRCB LUFT Field Manual, Oct. 1989 edition]

5) The site map should show the former location of the waste oil tank relative to that of the proposed well in this area. The location of this well should be south-southwest, and within 10 feet, of the former waste oil tank pit.

6) Initial ground water data from monitoring wells located at the northwest corner of Anita Avenue and Castro Valley Blvd. indicate that the ground water flow direction at that site, as calculated from data collected December 1990, is towards the southwest. Whether this data is representative of conditions beneath the Chevron site is unclear; however, you may want to modify the proposed location of the well at the southeast corner of the site to reflect this information.

7) Please be certain that wells are surveyed to an established benchmark to an accuracy of 0.01 foot, and that values are referenced to mean sea level.

8) Please submit a ground water sampling QA/QC plan. It is recommended that the QA/QC sampling protocol include such elements as duplicate samples, and trip and equipment blanks, among others.

9) Please submit a Site Safety Plan. The scope of this plan must adhere to guidelines specified under Part 1910.120(i)(2) of 29CFR.

10) You are encouraged to use non-phosphate detergents (i.e., Liqui-Nox) when decontaminating sampling/purging equipment.

Please have your consultant respond in writing to the previous list of items within 15 days, or by June 20, 1991. The response should be in the form of an addendum to the April 26 work plan.

Please feel free to contact me at 415/271-4320 should you have any questions regarding the content of this letter.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health
Edgar Howell, Chief, Hazardous Materials Division
Gil Jensen, Alameda County District Attorney's Office
Lester Feldman, RWQCB
Howard Hatayama, DHS
Bob Bohman, Castro Valley Fire Department
Jack Edwards
Glen Mitchell, GTI
files

3-14-91 inspections

Currently working w/ P.S. on project in Oakland (?)
- 3/4 inch wells instead of 2"
- "power cone" rig
- shallow G.W. use, only (10' or less)
- less waste generated (purge H_2O, soil, etc.)
- quicker to install

Call to Nancy Nikolich 3-19-91

Quarantine letter - regarding fire?

- need language to make tenants aware of problem at Sobek's

Chevron #9-6981, 2920 C.V. Blvd.

① USTs removed ~ Sept 11, 1990

② Report to Chevron - Dec 1990 (under Chevron cover 1/21/91)
— 4 mos. after closure —

③ PSA proposal requested by Mar 3
— 6 mos after closure ; 1st knowledge of problem —

④ Chevron requests extension for PSA prop. till May 10
— 8 mos after closure ; 1st knowledge of problem —

Closure report 2920 C.V. Blvd

Review notes: 1-31-91

Waste oil tank samples:

NO ① Cl HC (8010/8240) (at all?) yes
② PCP, PCA PCB, etc. (8270) at all
③ TPH-D/-G (except for TPH-G on sample WOM)
④ BTXE on original samples (before reexcavation)

initially 2,000 ppm TOG @ 11' BG in sample WOM
still 780 ppm TOG @ 15' BG in sample WOM15

~~within fuel UST pit~~ G/W was impacted

G.W. collected from within both W.O. and fuel UST pits are impacted

1,2-Dichlorobenzene detected in WOM (11' BOG)
water table @ 11' BG in W.O. pit
Where were samples ST1 + SW01 collected?

- All samples were to have run for all constituents
- Why was TPH-D used along w/ TOG for W.O. tank over-excavation when only TPH-G had been detected before??
- Why was EPA method 413.2 used instead of 5520 for TOG? (~~RWQCB~~ RWQCB recommend. says 418.1 may be used
- Some analyses for Pb were performed yet not reported on Table 4. Further, PbWET was performed upon some samples w/o running total Pb at all.

Chevron U.S.A. Inc.
2410 Camino Ramon, San Ramon, California • Phone (415) 842-9500
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

91 MAR -8 AM 11: 10

Marketing Operations

R. B. Bellinger
Manager, Operations
S. L. Patterson
Area, Manager, Operations
C. G. Trimbach
Manager, Engineering

March 1, 1991

Mr. Scott Seery
Alameda County
Environmental Health
80 Swan Way, Room 200
Oakland, California 94621

Re: Chevron Service Station #9-6991
2920 Castro Valley Blvd.
Castro Valley, CA

Dear Mr. Seery:

In response to the Alameda County Health Care Services Agency, Department of Environmental Health (ACHCS) letter to Chevron U.S.A. Inc. (Chevron) dated February 1, 1991, Chevron is requesting an extension to the March 3, 1991, Preliminary Site Assessment Proposal date effective March 3, 1991, to terminate on May 10, 1991. A workplan will be forwarded to you no later than May 10, 1991, which will describe the work steps we propose to take at the above referenced site. This extension is being requested as we are currently evaluating a new and innovative technology proposed by our consultant, Groundwater Technology, Inc. for possible testing at this site.

As requested in the letter from ACHCS dated February 1, 1991, a check in the amount of $855 is attached as a deposit for project oversight by ACHCS.

If you have any questions or comments, please do not hesitate to contact Nancy Vukelich at (415) 842-9581.

Very truly yours,
C. G. Trimbach

By _____
Nancy Vukelich

NLV/jmr
Attachment

cc: Mr. Rich Hiett
RWQCB-Bay Area
1800 Harrison Street
Suite # 700
Oakland, CA 94612

Mr. W.T. Scudder - w/o enclosures

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 Mailer # P 062 128 353

February 1, 1991

Ms. Nancy Vukelich
Chevron U.S.A. Inc.
2410 Camino Ramon
P.O. Box 5004
San Ramon, CA 94583-0804

RE: REQUEST FOR PRELIMINARY SITE ASSESSMENT; CHEVRON SERVICE STATION #9-6991, 2920 CASTRO VALLEY BOULEVARD, CASTRO VALLEY

Dear Ms. Vukelich:

This Department is in receipt and has completed review of the December 1990 Groundwater Technology, Inc. (GTI) report, as submitted under Chevron cover dated January 21, 1991, documenting the results of soil sample analyses and other activities associated with the closure of two (2) underground storage tanks (UST) from the referenced site beginning September 11, 1990.

Observations made at the time of closure, and later substantiated through analyses performed upon both soil and ground water samples, indicate that a confirmed release from the UST system(s) has occurred at this site. Initial concentrations of total oil and grease (TOG) were as high as 830 and 1400 parts per million (ppm) in samples AW and AE, respectively, both collected at a depth of 8 feet below grade (BG) at the bottom of the original waste oil UST pit following closure of this tank. A subsequent sample identified in the report as WOM, collected from a depth of 11 feet BG, had TOG concentrations of 2000 ppm. Additionally, sample WOM exhibited the presence of benzene, toluene, ethylbenzene, and total xylenes (BTEX) at concentrations of 26, 7.5, 6.4 and 22 ppm, respectively, as well as the chlorinated compound 1,2-dichlorobenzene at a concentration of 7.8 ppm.

A TOG concentration of 3200 ppm was detected in sample 6A, collected from a depth of 12 feet BG at the west end (sidewall?) of the pit following an initial limited overexcavation of this area. Other samples ranged in TOG concentration from nondetectable (ND) to 1500 ppm, the latter reflecting the analysis of sample 2A, also collected at a depth of 12 feet BG along the north edge (sidewall?) of the pit following the noted limited overexcavation. An extended overexcavation followed, with the resultant analyses indicating latent TOG concentrations ranging from ND to 480 ppm, the latter from sample PH1-10, reportedly collected from a "pothole" at a depth of 10 feet BG at the north edge of the excavation. Ground water collected from this excavation, present at approximately 11 feet BG with samples identified as WOWAT1 and WOWAT2, were analyzed only for total petroleum hydrocarbons as gasoline (TPH-G) with the results indicating 1400 and 510 parts per billion (ppb), respectively.

Because only the northern-most fuel UST was removed, samples collected from within this pit were limited to the pit's north end. Such samples were analyzed for TPH-G and BTEX. Only sample PITNC is noteworthy, with concentrations of TPH-G and BTEX at 63, 0.05, 0.01, 0.52 and 2 ppm, respectively. Ground water welling into the depression left following the removal of the noted tank, and flowing predominantly from the backfill surrounding the remaining tanks, had evident floating product on the water's surface. This water exhibited high concentrations of TPH-G and BTEX. Ground water sample PITWTR1 had concentrations of TPH-G and BTEX, respectively, of 51,000, 5800, 9600, 960 and 13,000 ppb; ground water sample PITWTR2, 54,000, 6200, 10,000, 1100 and 14,000 ppb.

Initial soil samples collected from the product piping trenches adjacent to the former fueling islands showed elevated levels of contamination, especially in the southern-most trench where samples TSW and TSE exhibited concentrations of 52 ppm TPH-G and 1000 ppm TPH as diesel (TPH-D), respectively, at a depth of 3 feet BG. (Note: Figure 3 indicates analyte concentrations in these samples as 34 and 600 ppm, respectively, which differs from the information presented in Table 2.) Following further excavation, latent contamination remains at a highest concentration of 140 ppm TPH-D in sample PT-N7, presumably collected from the north side of the southern-most piping trench at a depth of 7 feet BG (although Figure 4 illustrates that this sample was collected from the south side of the trench).

Clearly there has been a confirmed release at this site. As a result, you must perform additional environmental investigations to determine the lateral and vertical extent of both soil and ground water contamination associated with this release. Such an investigation shall be in the form of a Preliminary Site Assessment, or PSA. 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 Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks. The major elements of such an investigation are summarized in the attached Appendix A.

In order to proceed with a site investigation, you should obtain professional services of a reputable environmental/geotechnical firm. Your responsibility is to have the consultant submit for review a proposal outlining planned activities pertinent to meeting the criteria broadly outlined in this letter and the attached Appendix A.

This Department will oversee the assessment and remediation for this site. This oversight will include our review and comment on work proposals and technical guidance on appropriate investigative approaches. The issuance of well drilling permits, however, will be through the Alameda County Flood Control and Water Conservation District, Zone 7. 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 upon ground water.

The PSA proposal is due within 30 days of the date of this letter, **or by March 3, 1991.** Once this proposal has been reviewed and approved, **work should commence no later than April 3, 1991.** Accompanying this proposal must be a check payable to Alameda County totalling $855 to offset expenses incurred by this Department during oversight of this project. This deposit is placed into an account from which money is drawn at the rate of $67 per hour as time is dedicated to the project.

A report must be submitted within 30 days after the completion of this phase of work at the site. Subsequent reports must 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 (i.e., May 1, August 1, November 1, and February 1).

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
- Interpretation 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

All reports and proposals must be submitted under seal of a California-Registered Geologist, -Certified Engineering Geologist, or -Registered Civil Engineer. Please include a statement of qualifications for each lead professional involved with this project.

Please be advised that this is a formal request for technical reports pursuant to California Water Code Section 13267 (b). Failure to respond or a late response could result in the referral of this case to the RWQCB for enforcement, possibly subjecting the responsible party to civil penalties to a maximum of $1,000 per day. Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or the RWQCB.

Should you have any questions about the content of this letter, please call me at 415/271-4320.

Sincerely,

Scott O. Seery
Hazardous Materials Specialist

enclosure

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health
Edgar Howell, Chief, Hazardous Materials Division
Gil Jensen, Alameda County District Attorney's Office
Lester Feldman, RWQCB
Howard Hatayama, DHS
Bob Bohman, Castro Valley Fire Department
Fred Hayden, GTI
Jack Edwards
files

Chevron U.S.A. Inc.
2410 Camino Ramon, San Ramon, California • Phone (415) 842-9500
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

91 JAN 25 AM 11:28

Marketing Operations

D. Moller
Manager, Operations
S. L. Patterson
Area Manager, Operations
C. G. Trimbach
Manager, Engineering

January 21, 1991

Mr. Rafat Shahid
Alameda County
Environmental Health
80 Swan Way, Room 200
Oakland, California 94621

Re: Chevron Service Station #9-6991
2920 Castro Valley Blvd.
Castro Valley, CA

Dear Mr. Shahid:

Enclosed we are forwarding the Tank Excavation Summary Report dated December, 1990, prepared by our consultant Groundwater Technology, Inc. for the above referenced site. This report documents the excavation activities related to the removal of an underground unleaded product tank and waste oil tank.

As indicated in the report, limited contamination was detected in the former waste oil tank excavation and piping trenches. The former waste oil tank pit was overexcavated to a depth of 15-feet. Final excavation samples collected detected oil & grease concentrations between ND and 12 ppm. The southwest piping trench was overexcavated to a depth of 7-feet. Continued excavation of the south product line trench was restricted due to the proximity of a sidewalk south of this area. Final excavation samples collected detected TPH-gasoline concentrations ranging from ND to 140 ppm.

Groundwater was encountered in the product tank excavation at a depth of 11-feet. During the overexcavation of the waste oil tank pit, groundwater was encountered at a depth of 13-feet. Analytical testing of the groundwater detected TPH-gasoline concentrations ranging from 510 ppb to 54,000 ppm. However, the tank pits were not purged and allowed to refill prior to sampling. The analytical results may not be a true representation of groundwater quality.

Based on these findings, it appears that no further soils remediation work is warranted. Chevron has instructed Groundwater Technology, Inc. to permit and install groundwater monitoring wells to assess groundwater quality. All reports documenting this work will be forwarded to your office.

If you have any questions or comments please do not hesitate to call me at (415) 842 - 9581.

Very truly yours,
C. G. Trimbach

By _____
Nancy Vukelich

NLV/jmr
Enclosure

cc: Mr. Lester Feldman
RWQCB-Bay Area
1800 Harrison Street
Suite # 700
Oakland, CA 94612

Mr. W.T. Scudder - w/o enclosures
Chevron Property Management Specialist

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 Chevron Station Today's Date 9/18/90

Site Address 2920 Castro Valley Blvd.

City Castro Valley Zip 94586 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)

0750 — 0820 HRS

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:
Met with Cynthia Wong (Chevron) and Fred Hayden (Ground H2O Tech) at site to discuss future clean-up plans at site following receipt of a FAX indicating soil sample results. The results (rec. 9-17-90) indicated elevated levels of TOG in both initial (830/1400 ppm) and final (2000 ppm) samples collected from W.O. pit on 9-11-90. One (1) sample from southern piping trench had 680 ppm TPH-D. I requested that W.O. pit be re excavated (as it was already 90% backfilled) and the excavation enlarged to attempt to remove high contaminant levels. Such excavation should be continued to groundwater, and then sidewall and bottom (if possible) samples collected. The piping trench will also be deepened, and sample(s) collected. The construction foreman from GOLDEN WEST BUILDERS indicated that 6-8" of water was collected in W.O. pit following the first night the pit was left open.

II, III

Contact: Cynthia Wong / Fred Hayden
Title: Chevron Eng. // GTI Geologist Inspector: S. SELBY
Signature: _____ Signature: _____

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 CHEVRON STATION Today's Date 9/15/90

Site Address 2920 Castro Valley Blvd

City Castro Valley Zip 94546 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)

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__	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

__	10. Registration Form Filed	25533(a)
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__	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)
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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:

I also informed Golden West that the "approved" set of plans was still in the Department, and advised him that the F.D. must also see such plans when piping is involved.

During the inspection I observed that undersized overfill sumps were being installed on the fuel tanks, even though 15 gallon sump are required, and so indicated in the plans approved by this office.

II, III

Contact: ____

Title: ____

Signature: ____

Inspector: S. Seery

Signature: [signature]

10/12

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

EMERGENCY ☐ YES ☑ NO

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

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE.
SIGNED: [signature] DATE: 10-3-90

REPORT DATE: 09/14/90 CASE #:

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: Scott O. Seary
PHONE: (415) 271-4320
SIGNATURE: [signature]

REPRESENTING: ☐ OWNER/OPERATOR ☐ REGIONAL BOARD ☑ LOCAL AGENCY ☐ OTHER
COMPANY OR AGENCY NAME: Alameda Co. Env. Health, Haz Mat Div.
ADDRESS (STREET): 80 Swan Wy. Rm. 200 CITY: Oakland STATE: CA ZIP: 94621

RESPONSIBLE PARTY

NAME: Chevron USA ☐ UNKNOWN
CONTACT PERSON: Nancy Vukelich
PHONE: ( )
ADDRESS (STREET): 2410 Camino Ramon, P.O. Box 5004 CITY: San Ramon STATE: CA ZIP: 94583-0804

SITE LOCATION

FACILITY NAME (IF APPLICABLE): Chevron Station #9-6991
OPERATOR: Jack Edwards
PHONE: ( )
ADDRESS (STREET): 2920 Castro Valley Blvd. CITY: Castro Valley COUNTY: Alameda ZIP: 94546
CROSS STREET: Anita

IMPLEMENTING AGENCIES

LOCAL AGENCY: Alameda Co. Dept of Env Health
CONTACT PERSON: Scott Seary
PHONE: (415) 271-4320
REGIONAL BOARD: San Francisco Bay
CONTACT PERSON: Lester Feldman
PHONE: (415) 464-1255

SUBSTANCES INVOLVED

	NAME	QUANTITY LOST (GALLONS)
(1)	Gasoline / diesel	☑ UNKNOWN
(2)	Waste oil	☑ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED: 09/11/90
HOW DISCOVERED: ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☑ TANK REMOVALS ☐ OTHER
DATE DISCHARGE BEGAN: ☑ UNKNOWN
HAS DISCHARGE BEEN STOPPED? ☑ YES ☐ NO IF YES, DATE:
METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): ☐ REMOVE CONTENTS ☐ REPLACE TANK ☑ CLOSE TANKS ☐ REPAIR TANK ☐ REPAIR PIPING ☐ CHANGE PROCEDURE ☐ OTHER

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 TO BE 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 DETAIL): ☐ CAP SITE (CD) ☐ CONTAINMENT BARRIER (CB) ☐ VACUUM EXTRACT (VE) ☒ EXCAVATE & DISPOSE (ED) ☐ EXCAVATE & TREAT (ET) ☐ NO ACTION REQUIRED (NA) ☒ OTHER (OT) PSA pending; suitable treatments to be determined ☐ REMOVE FREE PRODUCT (FP) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ TREATMENT AT HOOKUP (HU) ☐ ENHANCED BIO DEGRADATION (IT) ☐ REPLACE SUPPLY (RS) ☐ VENT SOIL (VS)

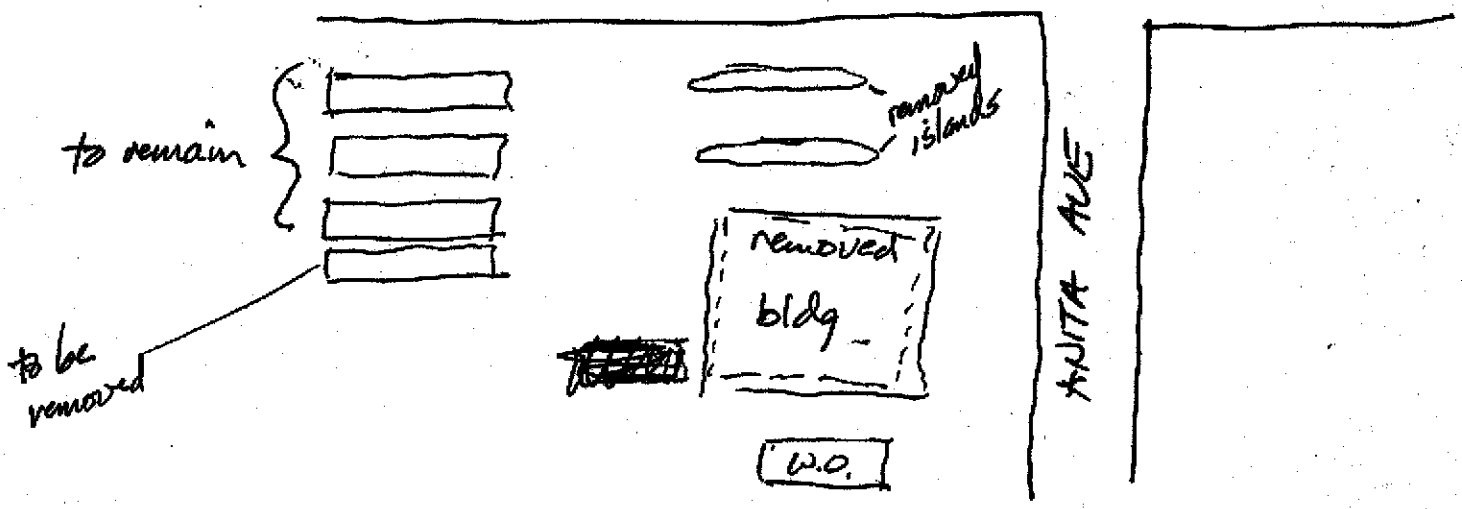
COMMENTS

Soil contamination discovered during closure of one (1) gasoline and one (1) waste oil tank, significant over excavation of W.O. tank pit. Moderate over excavation of gasoline tank pit. Station being modified, incl. repiping. Diesel and gasoline cont. noted below former piping runs. PSA will be required.

HSC 05 (11/89)

Chevron closure 9-11-90
2920 Castro Valley Blvd.

on-site: Paul Reagan, ACEH Bob Bohman, CAFD
Cynthia Wong, Chevron
Fred Hayden, GTI (instead of Blaine Tech Services?)



The fuel tank was pulled @ 0853 hrs. Ground water was noted in the pit. Some floating product was observed.

The waste oil tank was pulled @ 0920 hrs. The tank was covered w/ spillage from an unknown genesis. There was a large gash in the end seam of the tank purportedly from the excavator. There also appears to be spillage on p/o tank backfill.

CI-HC 8010 or 8240
BTXE 8020 or 8240
8015 (4UFT ...)
TOG 503D+E (soil)
A+E (H2O)

Samples (2) collected from native material with green cast from below w.o. tank. This green soil had a faint odor of hydrocarbon.

Two (2) 40 ml VOA samples were collected from the fuel tank using a disposable bailer. Three (3) soil samples were collected from the north, east, and west sidewalls of the tankpit from green native material which appears to be highly weathered, fractured shale bedrock. This material has preferrential cleavage and mock slickensides morphology, yet crumbles into clay when manipulated.

Two (2) soil samples were collected from each piping trench associated with the two service islands. The two (2) samples from the east ends of each run will be run for TPH-D/BTXE; the two (2) from the west ends, TPH-G/BTXE. (The diesel analysis was not previously indicated.)

[Excel Trans, rather than Erickson transported the tanks. GTEL, rather than Sequoia Labs, will be analyzing samples. Groundwater Technology, rather than Blaine Tech, collected samples.

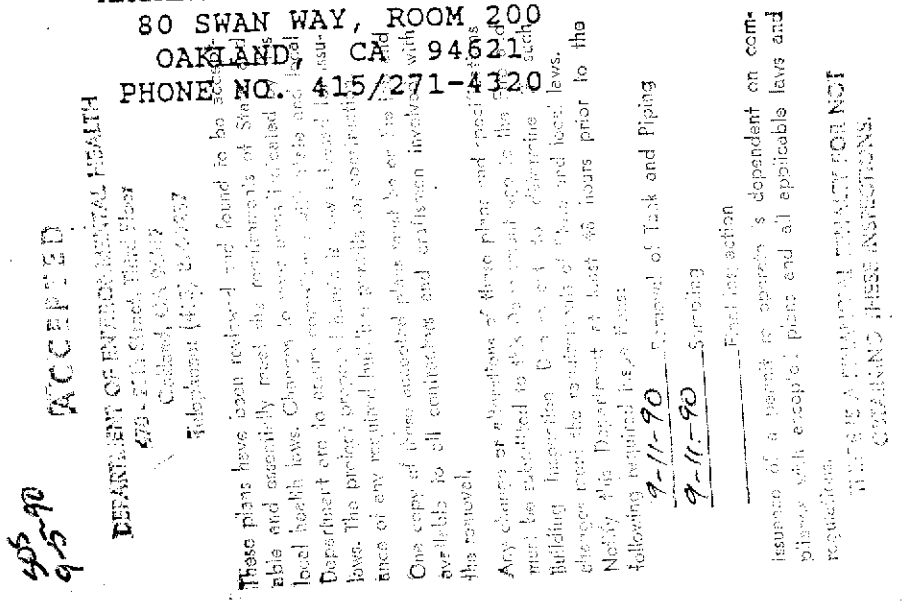
GTEL - Debra Tiernan - 685 7852 CALL!

Additional excavation proceeded in the NE corner of the fuel tank pit to observe whether water perceived initially as "groundwater" would recharge into the pit. Water discharge, but from the native formation. Rather, water flowed from the pea gravel backfill surrounding the remaining tanks into the deepened pit, as did more brown product. Water is @ ~12.5-13.0' BG

The W.O. pit was also deepened, to approx. 11' B.G. A sample was collected at this depth from the center of the pit. The native material at this depth (11-11.5') was riddled with fizzures/cracks, worm or rootlet holes. Such secondary-porosity features were filled with H_2O.

Left site @ 1:15

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 415/271-4320



UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name CHEVRON USA, INC.

   Business Owner Jack Edwards

2. Site Address 2920 CASTRO VALLEY BLVD.

   City CASTRO VALLEY Zip 94546 Phone (415) 881-9619

3. Mailing Address 2920 CASTRO VALLEY BLVD.

   City CASTRO VALLEY Zip 94546 Phone (415)881-9619

4. Land Owner CHEVRON USA, INC.

   Address 2410 CAMINO RAMON City, State SAN RAMON, CA Zip 94583

5. EPA I.D. No. CAL 000030039

6. Contractor GOLDEN WEST BUILDERS

   Address 2363 BOULEVARD CIRCLE, #103

   City WALNUT CREEK Phone 415/930-6666

   License Type A ID# 432103

7. Consultant ROBERT H. LEE & ASSOCIATES

   Address 1137 N. MCDOWELL BLVD.

   City PETALUMA Phone (707) 765-1660

8. Contact Person for Investigation

Name HERM HARMES Title JOB CAPTAIN

Phone (707) 765-1660

9. Total No. of Tanks at facility 4

10. Have permit applications for all tanks been submitted to this office? Yes [X] No [ ]

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name ERICKSON INC. EPA I.D. No. CAD009466392

Address 255 PARR BLVD.

City RICHMOND State CA Zip 94801

b) Rinsate Transporter

Name ERICKSON INC. EPA I.D. No. CAD009466392

Address 255 PARR BLVD.

City RICHMOND State CA Zip 94801

c) Tank Transporter

Name ERICKSON INC. EPA I.D. No. CAD009466392

Address 255 PARR BLVD.

City RICHMOND State CA Zip 94801

d) Tank Disposal Site

Name ERICKSON INC. EPA I.D. No. CAD009466392

Address 255 PARR BLVD.

City RICHMOND State CA Zip 94801

e) Contaminated Soil Transporter

Name DILLARD TRUCKING EPA I.D. No. CAD981692809

Address ROUTE #1 BOX 73

City BYRON State CA Zip 94514

12. Sample Collector

Name RICHARD BLAINE

Company BLAINE TECH. SERVICES

Address 1370 TULLY BLVD., SUITE #505

City SAN JOSE State CA Zip 95122 Phone 408/995-

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
10,000 GAL.	UNLEADED	SOIL AND WATER IF ENCOUNTERED	IN NATIVE SOIL WITHIN TWO FEET OF THE BACKFILL, IN NATIVE SOIL INTERFACE; ONE SAMPLE BELOW EACH END OF TANK, MINIMUM
1000 GAL.	WASTE OIL		
PIPING		SOIL	EVERY 20 LINEAR FT

14. Have tanks or pipes leaked in the past? Yes [ ] No [X]

If yes, describe. _____

15. NFPA methods used for rendering tank inert? Yes [X] No ~~[X]~~

If yes, describe. 15 PDS DRY ICE PER 1000 GAL TANK CAPACITY, MINIMUM, OR PER LOCAL FIRE DEPT. REQ.

An explosion proof combustible gas meter shall be used to verify tank inertness.

16. Laboratories

Name SEQUOIA LABS

Address 680 CHESAPEAKE DR.

City REDWOOD CITY State CA Zip 94068

State Certification No. 145

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
FUEL TANK		
TPH - G	5030	GC-FID (LUFT)
BTXE		8020 or 8240
WASTE OIL TANK		
TOG		503 D/E
BTXE	5030	8020 or 8240
TPH-G	5030	GC-FID (LUFT)
TPH-D	3550	GC-FID (LUFT)
Cl HC		8010 or 8240
PCB, PCP, PNA, CREOSOTE		8270
Cd, Cr, Pb, Zn		ICAP or AA

18. Submit Site Safety Plan

19. Workman's Compensation: Yes [X] No [ ]

Copy of Certificate enclosed? Yes [ ] No [X]

Name of Insurer _____

20. Plot Plan submitted? Yes [X] No [ ]

21. Deposit enclosed? Yes [X] No [ ]

22. Please forward to this office the following information within 60 days after receipt of sample results.

a) Chain of Custody Sheets

b) Original Signed Laboratory Reports

c) TSD to Generator copies of wastes shipped and received

d) Attachment A summarizing laboratory results

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 and safety.

I will notify the Department of Environmental Health at least two (2) working days (48 hours) after approval of this closure plan in advance to schedule any required inspections. 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.

Signature of Contractor

Name (please type) Ken Vandegrift

Signature Ken Vandegrift

Date 8-13-90

Signature of Site Owner or Operator

Name (please type) Cynthia Wong

Signature Cynthia C. Wong

Date 8/10/90

NOTES:

1. Any changes in this document must be approved by this Department.

2. Any leaks discovered must be submitted to this office on an underground storage tank unauthorized leak/contamination site report form within 5 days of its discovery.

3. Three (3) copies of this plan must be submitted to this Department. One copy must be at the construction site at all times.

4. After approval of plan, notification of at least two (2) working days (48 hours) must be given to this Department prior to removal of tank(s).

5. A copy of your approved plan must be sent to the landowner.

6. Triple rinse means that:

   a) Final rinse must contain less than 100 ppm of Gasoline (EPA method 8020 for soil, or EPA method 602 for water) or Diesel (EPA method 418.1). Other methods for halogenated volatile organics (EPA method 8010 for soil, EPA method 601 for water) may be required. The composition of the final rinse must be demonstrated by an original or facsimile report from a laboratory certified for the above analyses.

   b) Tank interior is shown to be free from deposits or residues upon a visual examination of tank interior.

   c) Tank should be labelled as "tripled rinsed; laboratory certified analysis available upon request" with the name and address of the contractor.

If all the above requirements cannot be met, the tank must be transported as a hazardous waste.

7. Any cutting into tanks requires local fire department approval.

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

ATTACHMENT A

SAMPLING RESULTS

Tank or Area	Contaminant	Location & Depth	Results (specify units)

INSTRUCTIONS

2. SITE ADDRESS
Address at which closure or modification is taking place.

5. EPA I.D. NO.
This number may be obtained from the State Department of Health Services, 916/324-1781.

6. CONTRACTOR
Prime contractor for the project.

7. OTHER
List professional consultants here.

12. SAMPLE COLLECTOR
Persons who are collecting samples.

13. SAMPLING INFORMATION
Historic contents - the principal product(s) used in the last 5 years.

Material sampled - i.e., water, oil, sludge, soil, etc.

16. LABORATORIES
Laboratories used for chemical and geotechnical analyses.

17. CHEMICAL METHODS:
All sample collection methods and analyses should conform to EPA or DHS methods.

Contaminant - Specify the chemical to be analyzed.

Sample Preparation Method Number - The means used to prepare the sample prior to analyses - i.e., digestion techniques, solvent extraction, etc. Specify number of method and reference if not an EPA or DHS method.

Analysis Method Number - The means used to analyze the sample - i.e., GC, GC-MS, AA, etc. Specify number of method and reference if not a DHS or EPA method.

NOTE:
Method Numbers are available from certified laboratories.

18. SITE SAFETY PLAN
A plan outlining protective equipment and additional specialized personnel in the event that significant amount of hazardous materials are found. The plan should consider the availability of respirators, respirator cartridges, self-contained breathing apparatus (SCBA) and industrial hygienists.

19. ATTACH COPY OF WORKMAN'S COMPENSATION

20. PLOT PLAN
The plan should consists 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 Line

d) Location of all Structures

e) Location of all relevant existing equipment including tanks and piping to be removed

f) Streets

g) Underground conduits, sewers, water lines, utilities

h) Existing wells (drinking, monitoring, etc.)

i) Depth to ground water

j) All existing tanks in addition to the ones being pulled

rev. 9/88
mam

STATE COMPENSATION INSURANCE FUND

P.O. BOX 807, SAN FRANCISCO, CA 94101-0807

CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

AUGUST 27, 1990

POLICY NUMBER: 0001486 - 89
CERTIFICATE EXPIRES: 10-1-90

ALAMEDA COUNTY
ATTN: HAZARDOUS MATTER DIVISION
80 SWAN WAY RM. 200
OAKLAND
CA 94621

JOB: 2920 CASTRO VALLEY BLVD.
CASTRO VALLEY, CA. 94596

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. Doyle

PRESIDENT

EMPLOYER

THE D. B. NEFF CORP.
DBA: GOLDEN WEST BUILDERS
P O BOX 1236
BRENTWOOD
CA 94513

ATTACHMENT D

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)

FACSIMILE TRANSMITTAL

TO:

1-707-765-9908 Floor/Room # _____
Fax Phone Number

Name: RANDY BAAKE
Title/Section

Agency: ROBERT H. LEE & ASSOC.

Address: 1137 N. McDOWELL BLVD., PETALUMA

Phone #: ( )

FROM:

_____ Floor/Room # _____
Fax Phone Number

Date: 7-25-90 Time Sent: 0835

Sender: SCOTT SEERY
Title/Section

Phone #: (415) 271-4320

Number of Pages Including Transmittal Sheet: 12

Special Instructions/Comments:

AS DISCUSSED, ATTACHED ARE ITEMS NEEDING ATTENTION RE: UST CLOSURES AT CHEVRON SS# 6991, 2920 CASTRO VALLEY BLVD. CALL W/ ANY QUESTIONS.

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)

FACSIMILE TRANSMITTAL

TO:

842-9591 — Floor/Room # _____
Fax Phone Number

Name: CYNTHIA WONG
Title/Section

Agency: CHEVRON U.S.A.

Address: SAN RAMON

Phone #: ( )

FROM:

_____ — Floor/Room # _____
Fax Phone Number

Date: 7-25-90 — Time Sent: ~~0950~~ 1001

Sender: SCOTT SEERY
Title/Section

Phone #: ( ) 271-4320

Number of Pages Including Transmittal Sheet: ~~19~~ 11

Special Instructions/Comments:

NONE... EXCEPT PLEASE RESUBMIT HARDCOPIES, IN TRIPLICATE, OF THIS APPLICATION WHEN COMPLETED.
5 ATTACHMENTS UNDER SEP. COVER

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)

FACSIMILE TRANSMITTAL

TO:

842-9591 _____ Floor/Room # _____
Fax Phone Number

Name: CYNTHIA WONG _____
Title/Section

Agency: CITERON U.S.A. _____

Address: SAN RAMON _____

Phone #: ( ) _____

FROM:

_____ Floor/Room # _____
Fax Phone Number

Date: 7-25-90 _____ Time Sent: 1015

Sender: SCOTT SEERY _____
Title/Section

Phone #: ( ) 271-4320

Number of Pages Including Transmittal Sheet: 9

Special Instructions/Comments:

ATTACHMENTS RE: SS# 6991,
2920 Castro Valley Blvd.

TO: CYNTHIA WONG
[redacted] U.S.A.

7-25-90

CLOSURE

Chevron SS# 6991
2920 C.V. Blvd.

IN ADDITION TO THE ITEMS NOTED IN ATTACHMENT 'A', THE CLOSURE APPLICATION MUST ALSO ADDRESS CLOSURE OF THE WASTE OIL UST, AND PIPING REMOVED DURING STATION REMODELING. SOIL SAMPLES ARE TO BE ANALYZED FOLLOWING COLLECTION BELOW PIPING RUNS, AT INTERVALS OF 20' MINIMUM, CONCENTRATING AT ELBOWS AND JOINTS. TEST METHODS MUST REFLECT THE CONTENTS OF PIPES (eg., DIESEL, GAS, etc.). SOIL SAMPLES COLLECTED BELOW ALL TANKS MUST BE THOSE REQUIRED BY RWQCB. A LIST OF THE ANALYSES METHODS IS ALSO ATTACHED - (ATTACHMENT 'B')

ATTACHMENT 'C' - SITE SAFETY PLAN

ATTACHMENT 'D' - FAX COVER SHEET TO R. H. LEE

FAX to R.H. Lee on 7-25-90 @0835

ATTACHMENT 'A'

CLOSURE

CHEVRON SS# 6991
2920 Castro Valley Blvd.

5. Provide this facility's EPA I.D. number. The referenced number must be specific to this site.

6. Identify the prime contractor engaged in the tank removal, and provide the license type (e.g., A, B, C-61, etc.) and number.

11(e). Identify the contaminated soil transporter, provide the EPA I.D. number for this transporter, and the DHS HazWaste hauler number.

15. Indicate methods for rendering the tank inert before its removal. Call the Castro Valley Fire Dept. (Bob Bohman) for specific procedures.

16. Provide Sequoia Labs state certification number.

18. Submit a Site Safety Plan (per 29 CFR Part 1910.120).

19. Submit a copy of the prime contractor's Workman's Compensation certificate; identify the Insurer

Page 5. Have the prime contractor's project mngr., or company officer sign and date the application; date Cynthia Wong's endorsement

SUBMIT, IN TRIPLICATE, THE AMENDED UST CLOSURE APPLICATION. PLEASE SUBMIT 3 HARDCOPIES VIA STANDARD CARRIERS (i.e., FED EX, UPS, MAIL, ETC.) AS OPPOSED TO FAXED COPIES.

ATTACHMENT B

TABLE #2
REVISED 6 OCTOBER 1988

RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR UNDERGROUND TANK LEAKS

HYDROCARBON LEAK	SOIL ANALYSIS		WATER ANALYSIS	
Unknown Fuel	TPH G	GCFID(5030)	TPH G	GCFID(5030)
	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602 or 624
Leaded Gas	TPH G	GCFID(5030)	TPH G	GCFID(5030)
	BTX&E	8020 or 8240	BTX&E	602 or 624
	---Optional---		TEL	DHS-LUFT
	TEL	DHS-LUFT	EDB	DHS-AB1803
	EDB	DHS-AB1803		
Unleaded Gas	TPH G	GCFID(5030)	TPH G	GCFID(5030)
	BTX&E	8020 or 8240	BTX&E	602 or 624
Diesel	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602 or 624
Jet Fuel	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602 or 624
Kerosene	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602 or 624
fuel oil	TPH D	GCFID (3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602 or 624
Chlorinated Solvents	CL HC	8010 or 8240	CL HC	601 or 624
	BTX&E	8020 or 8240	BTX&E	602 or 624
Non Chlorinated Solvents	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602 or 624
Waste Oil or Unknown	TPH G	GCFID(5030)	TPH G	GCFID(5030)
	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	O & G	503D&E	O & G	503A&E
	BTX&E	8020 or 8240	BTX&E	602 or 624
	CL HC	8010 or 8240	CL HC	601 or 624
	---If any of the above detected, include:---			
	ICAP or AA TO DETECT METALS: Cd, Cr, Pb, Zn			
	METHOD 8270 FOR SOIL OR WATER TO DETECT:			
	PCB		PCB	
	PCP		PCP	
	PNA		PNA	
	CREOSOTE		CREOSOTE	

Reference: Regional Board Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks, 2 June 1988, SF Bay RWQCB

EXPLANATION FOR TABLE #2: MINIMUM VERIFICATION ANALYSIS

1. OTHER METHODOLOGIES are continually being developed (such as cryogenic focusing), and as they are accepted by EPA or DHS, they also can be used. GCMS using Focused Cryogenic procedures may be substituted for BTX&E,TPH or chlorinated hydrocarbon analyses.

2. For DRINKING WATER SOURCES, EPA recommends that the 500 series for volatile organics be used in preference to the 600 series because the detection limits are lower and the QA/QC is better.

3. APPROPRIATE STANDARDS for the material 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 FALSE POSITIVE detection of benzene, benzene-free solvents are to be used.

5. PRACTICAL QUANTITATION/REPORTING LIMITS are matrix dependent. Those listed are provided for guidance and should be achievable in most instances. Practical quantitation reporting limits for the above soil and water analyses should be as follows:

	SOIL.PPM	WATER.PPB
TPH G	1.0	50.0
TPH D	1.0	50.0
BTX&E	0.005	0.5
O & G	50.0	5,000.0

When not achievable, sufficient justification should be submitted.

6. TOTAL PETROLEUM HYDROCARBONS (TPH) as gasoline (G) and diesel (D) ranges (volatile and extractible, respectively) are to be analyzed and characterized by GCFID with a fused capillary column and prepared by EPA method 5030 (purge and trap) for volatile hydrocarbons, or extracted by sonication using 3550 methodology for extractible hydrocarbons. Fused capillary columns are preferred to packed columns; a packed column may be used as a "first cut" with "dirty" samples or once the hydrocarbons have been characterized and proper QA/QC is followed.

7. TETRAETHYLLEAD (TEL) may be analyzed as total lead. However, a confirming analysis must be completed using a soil sample at the same soil depth in another borehole, or for water, from an upgradient well that is not contaminated with hydrocarbons.

8. CHLORINATED HYDROCARBONS (CL HC) and BENZENE, TOLUENE, XYLENE AND ETHYLBENZENE (BTX&E) are analyzed in soil by EPA methods 8010 and 8020, respectively, (or 8240) and for water 601 and 602, respectively, (or 624).

9. 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.

ATTACHMENT B (CON'T)

EXPLANATION FOR TABLE #2: MINIMUM VERIFICATION ANALYSIS

1. OTHER METHODOLOGIES are continually being developed (such as cryogenic focusing), and as they are accepted by EPA or DHS, they also can be used. GCMS using Focused Cryogenic procedures may be substituted for BTX&E,TPH or chlorinated hydrocarbon analyses.

2. For DRINKING WATER SOURCES, EPA recommends that the 500 series for volatile organics be used in preference to the 600 series because the detection limits are lower and the QA/QC is better.

3. APPROPRIATE STANDARDS for the material 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 FALSE POSITIVE detection of benzene, benzene-free solvents are to be used.

5. PRACTICAL QUANTITATION/REPORTING LIMITS are matrix dependent. Those listed are provided for guidance and should be achievable in most instances. Practical quantitation reporting limits for the above soil and water analyses should be as follows:

	SOIL.PPM	WATER.PPB
TPH G	1.0	50.0
TPH D	1.0	50.0
BTX&E	0.005	0.5
O & G	50.0	5,000.0

When not achievable, sufficient justification should be submitted.

6. TOTAL PETROLEUM HYDROCARBONS (TPH) as gasoline (G) and diesel (D) ranges (volatile and extractible, respectively) are to be analyzed and characterized by GCFID with a fused capillary column and prepared by EPA method 5030 (purge and trap) for volatile hydrocarbons, or extracted by sonication using 3550 methodology for extractible hydrocarbons. Fused capillary columns are preferred to packed columns; a packed column may be used as a "first cut" with "dirty" samples or once the hydrocarbons have been characterized and proper QA/QC is followed.

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9. 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.

ATTACHMENT 1

TABLE #2
REVISED 6 OCTOBER 1988

RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR UNDERGROUND TANK LEAKS

HYDROCARBON LEAK	SOIL ANALYSIS		WATER ANALYSIS	
Unknown Fuel	TPH G	GCFID(5030)	TPH G	GCFID(5030)
	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602 or 624
Leaded Gas	TPH G	GCFID(5030)	TPH G	GCFID(5030)
	BTX&E	8020 or 8240	BTX&E	602 or 624
	---Optional---		TEL	DHS-LUFT
	TEL	DHS-LUFT	EDB	DHS-AB1803
	EDB	DHS-AB1803		
Unleaded Gas	TPH G	GCFID(5030)	TPH G	GCFID(5030)
	BTX&E	8020 or 8240	BTX&E	602 or 624
Diesel	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602 or 624
Jet Fuel	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602 or 624
Kerosene	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602 or 624
Fuel Oil	TPH D	GCFID (3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602 or 624
Chlorinated Solvents	CL HC	8010 or 8240	CL HC	601 or 624
	BTX&E	8020 or 8240	BTX&E	602 or 624
Non Chlorinated Solvents	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602 or 624
Waste Oil or Unknown	TPH G	GCFID(5030)	TPH G	GCFID(5030)
	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	O & G	503D&E	O & G	503A&E
	BTX&E	8020 or 8240	BTX&E	602 or 624
	CL HC	8010 or 8240	CL HC	601 or 624
	---If any of the above detected, include:---			
	ICAP or AA TO DETECT METALS: Cd, Cr, Pb, Zn			
	METHOD 8270 FOR SOIL OR WATER TO DETECT:			
	PCB		PCB	
	PCP		PCP	
	PNA		PNA	
	CREOSOTE		CREOSOTE	

Reference: Regional Board Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks, 2 June 1988, SF Bay RWQCB

ATTACHMENT C

SITE SAFETY PLAN REQUIREMENTS

According to 29 CFR 1910.120 subparagraphs (a)(1) and (b)(8), a Site Safety Plan shall be available to employees, contractors, and subcontractors involved in:

(1) Hazardous substance response operations under the Comprehensive Environmental Response, Compensation and Liablity Act of 1980 as amended..., including initial investigations at CERCLA sites before the presence or absence of hazardous substances has been ascertained;

(2) Major corrective actions taken in clean-up operations under the Resource Conservation and Recovery Act of 1976 as amended...;

(3) Operations involving hazardous waste storage, disposal and treatment facilities regulated under 40 CFR Parts 264 and 265 pursuant to RCRA, except for small quantity generators and those employers with less than 90 days accumulation of hazardous wastes as defined in 40 CFR 262.34;

(4) Hazardous waste operations sites that have been designated for clean-up by state or local governmental authorities; and

(5) Emergency response operations for releases of or substantial threats of releases of hazardous substances and post-emergency response operations for such releases.

Per 29 CFR 1910.120 (i)(2)(i), Site Safety Plans shall address the following:

(a) Names of key personnel; alternates responsible for site safety and health; appointment of a Site Safety and Health Officer.

(b) A safety and health risk analysis for each site task and operation.

(c) Employee training assignments.

(d) Personal protective equipment to be used by employees for each of the site tasks and operations being conducted.

(e) Medical Surveillance requirements.

(f) Frequency and types of air monitoring, personnel monitoring, and environmental sampling techniques and instrumentations to be used. Methods of maintenance and calibration of monitoring and sampling equipment to be used.

(g) Site control measures.

(h) Decontamination procedures.

(i) Site's standard operating procedures.

(j) A contingency plan.

(k) Confined space entry procedures.

ATTACHMENT C (CON'T)

(i) Site's standard operating procedures.

(j) A contingency plan.

(k) Confined space entry procedures.

Rev. 6/89 LMS

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(g) Site control measures.

(h) Decontamination procedures.

1-707-765-9908 FAX

ROBERT H. LEE & ASSOCIATES, INC.

ARCHITECTURE PLANNING ENGINEERING

1137 NORTH McDOWELL BLVD. • PETALUMA, CA 94954-1469 • (707) 765-1660

BRIAN F. ZITA
Architect

JOHN W. JOHNSON
Architect

GEORGE H. MILLS
Architect

JAMES H. RAY
Civil Engineer

June 28, 1990

County of Alameda
Hazardous Health
80 Swan Way - Suite 500
Oakland, CA 94621
Attn: Scott Seery

RE: CHEVRON USA, INC.
CASTRO VALLEY & ANITA
RHL JOB #8117

Dear Mr. Seery:

Attached you will find 3 sets plans for the tank closure and a $375.00 plan check fee and closure application. Information concerning General Contractor will be provided when contractor is selected.

Previously sent was 3 sets plans for the modification of the underground piping and a $375.00 plan check fee. The modification application is attached information concerning the General Contractor will be provided when contractor is selected.

As we discussed on the phone this date you mentioned that you could review plans, as submitted, for approval. However, prior to any work on site the applications must be complete.

If you have any questions do not hesitate to call me.

Yours truly,

ROBERT H. LEE & ASSOCIATES, INC.

Randall E. Baake

a\letters\8117scot.see

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY

MEMORANDUM

TO RANDY BAAKE FROM SCOTT SEERY DATE 5-31-90

SUBJECT CHEVRON STATION, 2920 CASTRO VALLEY BLVD.: PIPING MODS. / UST CLOSURE

ATTACHED IS AN UST CLOSURE / MODIFICATION PLAN APPLICATION, WITH INSTRUCTIONS FOR COMPLETION OF THIS PLAN, APPROPRIATE TEST METHODS, SAMPLING PROTOCOL, AND SO FORTH. FOR EACH ASPECT OF THE PROJECT (e.g., CLOSURE AND MODS.) THREE (3) SETS OF THIS "PLAN" MUST BE SUBMITTED; ONE SET OF THREE TO ACCOMPANY THE EXISTING BLUELINES; THE SECOND SET TO BE THE STAND-ALONE UST CLOSURE PERMIT APPLICATION. CALL WITH ANY QUESTIONS.

300-CA-1-3/82

ADDITIONALLY, REMIT ANOTHER DRAFT FOR $375 (AS DISCUSSED).

ROBERT H. LEE & ASSOCIATES
1137 No. McDowell Boulevard
PETALUMA, CALIFORNIA 94954

(707) 765-1660

LETTER OF TRANSMITTAL

DATE	JOB NO.
5.30.90	8117

ATTENTION: SCOTT SEERY

RE: CHEVRON
CASTRO VALLEY BLVD & ANITA

TO COUNTY OF ALAMEDA, HAZ. HEALTH
80 SWAN WAY, SUITE 200
OAKLAND, CA 94621

WE ARE SENDING YOU ☐ Attached ☒ Under separate cover via FED X the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
3			SETS PLANS
1			STATE FORM A
4			STATE FORM B
1			CHK # FOR 375.00

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit_____copies for approval
☐ For your use ☐ Approved as noted ☐ Submit_____copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return_____corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19_____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS PLEASE REVIEW AND APPROVE. IF YOU REQUIRE ANY ADDITIONAL INFO DO NOT HESITATE TO CALL

THANKS

RANDY BURKE

COPY TO _____

SIGNED: _____

If enclosures are not as noted, kindly notify us at once.