

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



F

July 27, 2007

Mr. Tom Bauhs
Chevron Environmental Management Co., K2204
6001 Bollinger Canyon Rd.
San Ramon, CA 94583-2324

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

T. W. Johnson
7007 San Ramon Rd.
Dublin, CA 94568-3239

Dear Mr. Bauhs and T. W. Johnson:

Subject: Fuel Leak Case RO0000206, Chevron Station 9-5542, 7007 San Ramon Rd.,
Dublin, CA 94568

Alameda County Environmental Health (ACEH) staff has reviewed the files for the subject site including the January 22, 2007 Subsurface Investigation Report by Cambria (CRA). The report describes the approved March 2, 2006 work plan by Cambria, namely the installation of MW-11, the attempted recovery of MW-5 and proposes remediation of MW-4. During this work, MW-11 was unable to be sampled and MW-5, although located, was not able to be rehabilitated. Recent e mail from your consultant states that they are going to proceed with the addition of oxygen into MW-4 as an attempt to remediate dissolved contaminants. Our office requests you address the following technical comments and submit the reports requested below.

TECHNICAL COMMENTS

1. Status of MW-5- The prior report stated that this well could not be rehabilitated and re-sampled. It appears that this well still was not rehabilitated and re-sampled during the first quarter of 2007 as stated in the January report. It is unclear if this problem is a temporary or permanent condition. Please clarify by scheduling either rehabilitation and re-sampling or decommissioning and re-installation of this well.
2. Elevated TPHg and benzene continue to be present in MW-1 and MW-4 likely from release(s) from the former USTs. Your work plan proposes intermittent injection of oxygen into MW-4. Monitoring of this well subsequent to application will be done to follow the progress of this remediation. We do not agree with the approach because it only targets the area around this well, because it is a relatively passive approach relying on enhancing bio-remediation and sampling from the same well as being treated is a potentially fallacious method. We suggest that you consider a more aggressive remediation approach and treat MW-1, VW-1 and VW-2, the more impacted wells, and monitor the progress by sampling MW-4.

TECHNICAL REPORT REQUEST

Please submit the following technical report according to the following schedule:

- August 27, 2007- Revised Remediation Work Plan & Schedule for Sampling or Re-installation of MW-5

This report is requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

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. Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. 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 at ([http://www.swrcb.ca.gov/ust/cleanup/electronic reporting](http://www.swrcb.ca.gov/ust/cleanup/electronic%20reporting)).

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

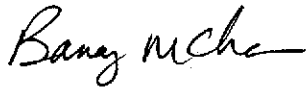
The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For 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.

Mr. Bauhs and T. W. Johnson
July 27, 2007
Page 3 of 3

Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

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

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

c: files, D. Drogos

Mr. David Herzog, Cambria, 2000 Opportunity Dr., Ste. 110, Roseville, CA 95678

Mr. Tim Kircher, See's Candies, 400 Allan St., Daly City, CA 94014

7 27_07 7007 San Ramon Rd

C A M B R I A

Re 206

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 95542
7007 San Ramon Valley Blvd
Dublin, 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.

A handwritten signature in black ink, appearing to read 'Judith Moore', with a long horizontal flourish extending to the right.

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

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



7

August 4, 2006

Mr. Dana Thurman
Chevron
P.O. Box 6012
San Ramon, CA 94583-2324

T. W. Johnson
7007 San Ramon Rd.
Dublin, CA 94568-3239

Dear Mr. Thurman and T. W. Johnson:

Subject: Fuel Leak Case [REDACTED] 6, Chevron Station 9-5542, 7007 San Ramon Rd.,
Dublin, CA 94568

Alameda County Environmental Health (ACEH) staff has reviewed the file for the subject site including the March 2, 2006 Monitoring Well Installation Workplan from Cambria. The work plan proposes the installation of one monitoring well (MW-11) in the lower groundwater bearing zone and the recovery of MW-5 to determine the lateral and vertical extent of petroleum hydrocarbons.

TECHNICAL COMMENTS

1. The proposal to locate, redevelop and sample MW-5 is approved. If MW-5 cannot be located and sampled, please propose a replacement well. We believe that MW-5 is necessary to evaluate release(s), which may have occurred from the new UST complex. Please include MW-5 in your next monitoring report.
2. MW-11 is proposed to verify the extent of petroleum impact to the lower groundwater bearing zone, identified in CPT-2 and it will be screened from 45-55' bgs. This proposal is approved.
3. Elevated TPHg and benzene continues to be present in MW-4 likely from release(s) from the former USTs. To facilitate site closure, we recommend interim remediation from this well to reduce the onsite source. Please propose a viable approach in your monitoring well installation report.

TECHNICAL REPORT REQUEST

Please submit your monitoring well installation report 30 days after completion of the field work. This reports is requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

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

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Mr. Thurman and T. W. Johnson

August 4, 2006

Page 2 of 2

need for a paper copy and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. 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 at (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

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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.

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

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

c: files, D. Drogos

Mr. David Herzog, Cambria, 2000 Opportunity Dr., Ste. 110, Roseville, CA 95678

Mr. Tim Kircher, See's Candies, 400 Allan St., Daly City, CA 94014

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10206



State Water Resources Control Board



Linda S. Adams
Secretary for
Environmental Protection

Division of Financial Assistance
1001 I Street • Sacramento, California 95814
P.O. Box 944212 • Sacramento, California • 94244-2120
(916) 341-5714 • FAX (916) 341-5806 • www.waterboards.ca.gov/cwphome/ustcf

Arnold Schwarzenegger
Governor

JUN 16 2006

CHEVRON PRODUCTS COMPANY
STACIE HARTUNG-FRERICHS
P O BOX 6004 BLDG V
SAN RAMON, CA 94583-0804

UNDERGROUND STORAGE TANK CLEANUP FUND (FUND), CLAIM NO. 005909,
FOR SITE ADDRESS: 7007 SAN RAMON VALLEY BLVD, DUBLIN

The State Water Resources Control Board (State Board) is able to issue, pursuant to applicable regulations, the enclosed Letter of Commitment (LOC) in an amount not to exceed \$23,814. This LOC is based upon our review of the corrective action costs you reported to have incurred to date. The LOC may be modified by the State Board.

All invoices must be billed in claimants name and checks paying for invoices must come from the claimant as listed on the application. Any other invoicing and payment arrangements must be received and approved by the Fund or cost may not be reimbursed.

It is very important that you read the terms and conditions listed in the enclosed LOC. Claims filed with the Underground Storage Tank Cleanup Fund far exceed the funding available and it is very important that you make use of the funding that has been committed to your cleanup in a timely manner.

You are reminded that you must comply with all regulatory agency time schedules and requirements and you must obtain three bids for any required corrective action. Only corrective action costs *required* by the regulatory agency to protect human health, safety and the environment can be claimed for reimbursement. If you have any questions about obtaining preapproval of your costs or the three bid requirement, please call Sunil Ramdass, our Technical Reviewer assigned to claims in your Region, at (916) 341-5757. Failure to obtain preapproval of your future costs may result in the costs not being reimbursed.

The following documents needed to submit your reimbursement request are enclosed:

Reimbursement Request Instructions and Information packages. **Retain these packages for future reimbursement requests.** These instructions must be followed when seeking reimbursement for corrective action costs incurred after January 1, 1988.

"Reimbursement Request" forms which you **must use to request reimbursement of costs incurred.**

"Spreadsheet" forms which you **must use in conjunction with your reimbursement request.**

* **THIS IS IMPORTANT TO YOU, PLEASE NOTE:**

Signature(s) on the application will be the signature(s) required for all future Fund documents.

You have 90 calendar days from the date of this letter to submit your first reimbursement request for incurred corrective action costs. **NO EXTENSIONS CAN BE GRANTED.** If you fail to do so, your LOC funds will automatically be reduced to zero (deobligated). Once this occurs, any future funds for this site are subject to availability when you submit your first reimbursement request. We continuously review the status of all active claims. You must continue to remain in compliance and submit a reimbursement request every 6 months. Failure to do so will result in the Fund taking steps to withdraw your LOC.

If you have any questions regarding the enclosed documents, please contact Ginny Lagomarsino at (916) 341-5722.

Sincerely,



Ronald M. Duff, Manager
Underground Storage Tank Cleanup Fund

Enclosures

cc: Mr. David Evans
RWQCB, Region 1
5550 Skylane Blvd., Ste. A
Santa Rosa, CA 95403

Ms. Donna Drogos
Alameda County EHD
1131 Harbor Bay Pkway, 2nd Fl.
Alameda, CA 94502-6577

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



7

October 24, 2005

Mr. Dana Thurman
Chevron
P.O. Box 6012
San Ramon, CA 94583-2324

T. W. Johnson
7007 San Ramon Rd.
Dublin, CA 94568-3239

Dear Mr. Thurman and T. W. Johnson:

Subject: Fuel Leak Case R00009206, Chevron Station 9-5542, 7007 San Ramon Rd.,
Dublin, CA 94568

Alameda County Environmental Health (ACEH) staff has reviewed the file for the subject site including the May 4, 2005 *Site Summary, Monitoring Well Destruction Request and Workplan* from Cambria. The work plan proposes the destruction of a number of off-site wells to accommodate the development of the adjacent property by See's Candies stores. It also proposes the drilling of three (3) CPT borings down-gradient of the site to investigate the lateral and vertical extent contaminants from the site including MTBE. Your work plan, however, we request that you address the following technical comments when performing the proposed work and submit the technical reports requested below..

TECHNICAL COMMENTS

1. The proposal to properly decommission wells MW-6, MW-7, MW-9, MW-8 and MW-10 is approved. As previously requested by our office, please confirm that the benzene concentration in MW-9 is below the appropriate ESL (commercial/industrial land use, indoor air impact) prior to decommissioning.
2. The proposal to locate, redevelop and sample MW-5 is approved. If MW-5 cannot be located and sampled, please propose a replacement well. We believe that MW-5 is necessary to evaluate release(s), which may have occurred from the new UST complex.
3. We approve the drilling of the three proposed CPT borings (CPT-1 through CPT-3) as a means to delineate the lateral and vertical extent of releases from the former and existing UST pits. Groundwater samples should be analyzed for TPHg, BTEX, MTBE and other oxygenates.

TECHNICAL REPORT REQUEST

- 60 days after completion of investigation- Groundwater investigation report, conclusions and recommendations and well destruction report.
- November 23, 2005- Semi-annual monitoring report including wells MW-1, MW-4, MW-3 and MW-5 and confirmation of MW-9 versus ESL evaluation.

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

These reports are being requested pursuant to California Health and Safety Code Section 25296.10, 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

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PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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Mr. Thurman and T. W. Johnson

October 24, 2005

Page 3 of 3

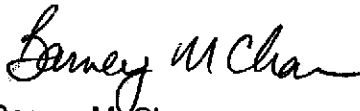
Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

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

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: files, D. Drogos

Mr. David Herzog, Cambria, 4111 Citrus Ave., Suite 9, Rocklin, CA 95677

Mr. Tim Kircher, See's Candies, 400 Allan St., Daly City, CA 94014

10_24_05 7007 San Ramon Rd

ENVIRONMENTAL
PROTECTION

95 MAR -3 AM 9: 54



Chevron

Jac

Chevron U.S.A. Products Company
6001 Bollinger Canyon Rd., Bldg. L
P.O. Box 5004
San Ramon, CA 94583-0804

Site Assessment & Remediation Group
Phone (510) 842-9500

March 2, 1995

Ms. Eva Chu
Alameda County Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Re: Chevron Station # 9-5542, 7007 San Ramon Valley Blvd., Dublin, CA

Dear Ms. Chu:

In response to your letter dated January 18, 1995, Chevron would like to propose a contaminant plume management program as corrective action to be applied to the subject site. The proposed program would include full delineation of the contaminant plume and comprehensive risk modeling.

The full delineation of the contaminant plume would not only provide containment of groundwater pollution but, would also allow for an effective risk management program to be employed which would include long term groundwater monitoring. To implement this, Chevron has requested that its contractor, Groundwater Technology, Inc. (GTI), submit a workplan to your agency by March 30, 1995 to describe the installation of a groundwater monitoring well approximately 350 feet downgradient from the former UST complex at the subject site. Chevron feels that this is the only location remaining where the plume has not been completely defined.

The comprehensive modeling of the risks associated with hydrocarbons being left in place would include a numerical contaminant fate model to estimate the migration of dissolved benzene in groundwater and the migration of hydrocarbon vapors through soil to an indoor surface structure.

The numerical modeling will be performed using APIDSS and will incorporate site specific parameters such as; actual degradation/attenuation rates, hydraulic transmissivity, conductivity, and gradient, as well as, soil characteristics. The results of groundwater contaminant fate modeling will be compared to known information regarding offsite receptors.

The accuracy of the groundwater modeling would be enhanced by including analytical data from the proposed well to be installed by GTI. Therefore, risk modeling results would be submitted approximately by July 15, 1995.

The final implementation of the proposed corrective action plan will be dependent on achieving full definition of the contaminant plume and obtaining acceptable results from the risk modeling. I look forward to your concurrence with this proposed plan and would be very interested in discussing any concerns that you may have. If you have any questions or comments, I can be reached at (510) 842-8695.

Sincerely,



Brett L. Hunter
Environmental Engineer
Site Assessment and Remediation

cc: Richard Hiatt, San Francisco Bay RWQCB, Oakland, CA
Mary Diamond, See's Candy, 3423 S. La Cienega Blvd., Los Angeles, CA 90016-4401
Kenneth Chait, Ardenbrook, Inc., 4725 Thornton Ave., Fremont, CA 94536
See's Real Estate, 210 El Camino Real, S. San Francisco, CA 94080
Jon Robbins, Chevron USA, Products Company, San Ramon, CA

Schultz, Robert, Env. Health

To: dthurman@chevrontexaco.com
Cc: sciorri@cambria-env.com; beppler@cambria-env.com
Subject: 7007 San Ramon Valley Blvd., Dublin

Dear Mr. Thurman:

I spoke with your consultant, Cambria, this morning regarding the above-referenced site. Cambria wanted to discuss their workplan prior to submittal. Here are the key elements of our conversation.

The objective is to evaluate site characterization and ongoing monitoring needs as part of the current need to remove several wells due to construction.

- a workplan to abandon wells MW-6, MW-7 would likely be fine - data from these locations no longer appears necessary
- additional abandonment of well MW-8 (cross-gradient well) seems appropriate at this time, this well is no longer being sampled
- locate and sample well MW-5, the well has been paved over for a number of years
- MW-10 no longer needs to be sampled quarterly, please propose a plan for revised sampling frequency or abandonment of this well
- MW-9 may need to be replaced due to site construction activities. Data from this well is not necessary to evaluate plume stability, as sufficient data is provided by MW-1 and MW-4, however, we would like the property owner's input on monitoring groundwater at their property and confirmation of the indoor air pathway potential health risk as discussed below.
- No vertical investigation of the MTBE release has been performed. ACEH is concerned about the potential for deeper, previously undetected MTBE in gw. Using data presented in the isoconcentration map requested below and review of the site lithology (i.e. updated cross-sections) please evaluate the need for collecting discrete-depth grab groundwater samples. Based on my conversation with Sara this morning, it seems that one or two borings to deeper gw (i.e. next water bearing zone or 10 to 20 ft below the current evaluated depth) would substantially progress the site toward being fully characterized. Also, I will fax data for a downgradient site that may have been impacted by your MTBE plume, please consider and include the faxed data in the isocontour requested below if appropriate.

To support the workplan, we request the following figures:

1. a gw iso-concentration map of MTBE downgradient of the current USTs at the time that MTBE extended the furthest and exhibited highest concentrations (per Sara this morning that was likely in 1998).
2. current MTBE gw isocon (Note: MTBE release appears to have occurred from second generation tanks.)
3. gw iso-cons for benzene and for TPHg showing greatest historical extent of each plume
4. current benzene and TPHg gw isocon. (Note: Significant TPHg/BTEX release appears to have occurred from first generation tanks - pre-1990?)

Also as part of this effort, your screening level evaluation of benzene in gw beneath the downgradient site should be presented (i.e. comparison of MW-9 concentrations to ESLs). On the phone this morning we compared the 1,800 ug/L benzene screening level (commercial receptor, indoor air impact) to the current gw benzene concentration of 400 ug/L. Please confirm this screening level evaluation in your workplan. Additional notes regarding the previous RBCA work at the site can be obtained through a review of our files.

Cambria indicated that See's Candies is the downgradient property owner as well as the business owner/developer. I will call them to relay the above info, hopefully we can get them in the email loop soon. Please cc a copy of your workplan to the downgradient property owner/See's Candies. I will need to send my workplan response to these entities as well.

Sincerely,
Bob

Robert W. Schultz, P.G.
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
510-567-6719 (direct)
510-337-9335 (facsimile)

10206

C A M B R I A

January 21, 2005

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

RE: 7007 San Ramon Valley Blvd, Dublin

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.

**Cambria
Environmental
Technology, Inc.**

cc: Dana Thurman, Chevron Texaco

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

Site #: 95542

Chu, Eva, Public Health, EHS

From: wspeth@deltaenv.com[SMTP:wspeth@deltaenv.com]
Sent: February 21, 2001 11:11 AM
To: EChu@co.alameda.ca.us
Subject: RE: Chevron 9-5542 Dublin 7007 San Ramon Avenue
Importance: High

Eva:

Below are answers to each question. This is FYI. The questions below will be added into the revised analyses for the site.

* Volumetric water content in the vadose zone appear too high. The vadose zone number was the same as that in the capillary fringe. It is not expected that the vadose zone would have as much water as the capillary fringe. Oakland's RBCA used 0.25, and the RWQCB used 0.15 for this value. Please explain how you came up with 0.322.

The volumetric water content in the vadose zone is from geotechnical lab results. And the number is an average of all soil samples submitted for volumetric water content. This is site specific, hence the Tier-2. The average of (7) seven soil samples came to 0.322 for volumetric water content.

*- depths of these soil samples?
- are they all from vadose zone?*

The lab report can be found in Pacific Environmental Group's Tier 2 Risk-Based Corrective Action report dated March 4, 1998.

* The fraction organic carbon Delta used was 0.29. Whereas Oakland used 0.005 and RWQCB used 0.006. Please explain where your number 0.29 came from.

The fraction organic carbon was derived from laboratory analyses on soil samples from borings B-3 and B-4 done at CORE-labs. Soil samples from these borings were analyzed for: percent total porosity, volumetric gas, volumetric water, Unified Soil Classification System soil type, and fraction organic carbon. The average of (7) seven soil samples came to 0.29 for fraction organic carbon.

Oakland's default for clayey ~~sand~~ silts is 0.02

The lab report can be found in Pacific Environmental Group's Tier 2 Risk-Based Corrective Action report dated March 4, 1998.

* Your evaluation of soil leaching to groundwater assumed that a receptor is 30,480 cm from the source. This should only be used if you are trying to determine if the fuel release would impact a drinking water source about 300 meters from the site when the plume has not stabilized. This is not the case at this site. The plume is stable at 7007 San Ramon. This pathway may not need to be evaluated as the only complete pathways are volatilization to indoor and outdoor air for on- and offsite buildings.

The revised RBCA will not include groundwater ingestion or soil leaching to groundwater ingestion. With this change groundwater parameters will not be used:

Groundwater mixing zone depth, net groundwater infiltration rate, groundwater Darcy velocity, groundwater seepage velocity, saturated hydraulic conductivity, groundwater gradient, width and depth of groundwater source zone, effective porosity in water-bearing unit, and groundwater pH. These are turned off when groundwater ingestion pathway is not active.

* TPHg in soil should also be compared with the RWQCB's RBSLs (500ppm for residential, and 1000ppm for commercial scenarios) to determine risk and potential nuisance/odor. The RWQCB's numbers were determined using the Massachusetts' study.

TPHg was not used in the RBCA Tier-2 analyses because lab data is not categorized by carbon ranges (C6 to C9, C9 to C12 etc...), as required by the model. I am unsure of what you are suggesting here. Please clarify.

Need response to TBauhs

You should take into consideration the above comments as well as my prior comments (use soil and groundwater data that is within the source zone, soil data should be from the vadose zone and groundwater data should be from the most recent four quarters) to re-do the RBCA.

The RWQCB's RBSL is available at their website, under Region 2. The title of the document is Application of RBSLs...Interim Final - August 2000.

Good Luck. Please forward this to Jim Brownell, if necessary. I misplaced his email address.

evachu

Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
(510) 567-6762
(510) 337-9335 fax

- > -----
> From: wspeth@deltaenv.com[SMTP:wspeth@deltaenv.com]
> Sent: February 01, 2001 3:58 PM
> To: echu@co.alameda.ca.us
> Subject: Chevron 9-5542 Dublin 7007 San Ramon Avenue
>
> Eva:
>
> Back on December 19, 2000, you had sent Jim Brownell(with Delta) & Tom
> Bauhs
> (with Chevron) comments on the RBCA tier-2 analysis for the site. I have
> looked over the RBCA that was prepared, and found out why the SSTLs were
> an
> "order of magnitude" greater than the Oakland look-up tables. It was due
> to
> the cumulative risk being at 10 to the -5 and not at the default of 10 to
> the -6.
>
> This change along with the modifications to the source area for soil and
> groundwater as requested in your E-mail, causes the model to fail for soil
> (
> dermal contact and ingestion) and for water (groundwater ingestion to a
> phantom well at 1000-feet).
>
> Both these exposure pathways do not exist at the site. They were included,
> to look at the site from every potential pathway that could develop at the
> site. The possibility of a DOMESTIC or MUNICIPAL well being installed
> within a 2000-foot radius of the site is small. A Municipal well field
> currently does exist near the Zone-7 Water Agency on Hopyyard Road. This
> is
> greater than 2000-feet from the subject site.
>
> I would like to request that these exposure pathways (domestic well
> 1,000-feet and surface soil dermal/direct ingestion) be removed from the
> RBCA Tier-2 analyses. These changes along with the changes request from
> your
> December 19, 2000, E-mail would then pass.

- >
- > Please advise.
- >
- > If acceptable I can send every input/output screen in an adobe acrobat.PDF
- > format ASAP.
- >
- > Will Speth
- > Project Manager
- > (916) 536-2612
- >

Chu, Eva, Public Health, EHS

From: Chu, Eva, Public Health, EHS
Sent: February 16, 2001 4:31 PM
To: 'Speth, Will'
Subject: RE: Chevron 9-5542 Dublin 7007 San Ramon Avenue

Hi Will,

On Wednesday, Feb 14, 2000, I met with Roger Brewer at the RWQCB to discuss the December 2000 RBCA submitted by Delta Environmental. As you know, I was concerned with the calculated SSTLs, which appeared high, especially for soil leaching to groundwater and for volatilization to both indoor and outdoor air.

Roger noted that:

- Volumetric water content in the vadose zone appear too high. The vadose zone number was the same as that in the capillary fringe. It is not expected that the vadose zone would have as much water as the capillary fringe. Oakland's RBCA used 0.25, and the RWQCB used 0.15 for this value. Please explain how you came up with 0.322.
- The fraction organic carbon Delta used was 0.29. Whereas Oakland used 0.005 and RWQCB used 0.006. Please explain where your number 0.29 came from.
- Your evaluation of soil leaching to groundwater assumed that a receptor is 30,480 cm from the source. This should only be used if you are trying to determine if the fuel release would impact a drinking water source about 300 meters from the site when the plume has not stabilized. This is not the case at this site. The plume is stable at 7007 San Ramon. This pathway may not need to be evaluated as the only complete pathways are volatilization to indoor and outdoor air for on- and offsite buildings.
- TPHg in soil should also be compared with the RWQCB's RBSLs (500ppm for residential, and 1000ppm for commercial scenarios) to determine risk and potential nuisance/odor. The RWQCB's numbers were determined using the Massachusetts' study.

You should take into consideration the above comments as well as my prior comments (use soil and groundwater data that is within the source zone, soil data should be from the vadose zone and groundwater data should be from the most recent four quarters) to re-do the RBCA.

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Good Luck. Please forward this to Jim Brownell, if necessary. I misplaced his email address.

evachu

Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
(510) 567-6762
(510) 337-9335 fax

From: wspeth@deltaenv.com[SMTP:wspeth@deltaenv.com]
Sent: February 01, 2001 3:58 PM
To: echu@co.alameda.ca.us
Subject: Chevron 9-5542 Dublin 7007 San Ramon Avenue

Eva:

Back on December 19, 2000, you had sent Jim Brownell(with Delta) & Tom Bauhs (with Chevron) comments on the RBCA tier-2 analysis for the site. I have looked over the RBCA that was prepared, and found out why the SSTLs were an "order of magnitude" greater than the Oakland look-up tables. It was due to the cumulative risk being at 10 to the -5 and not at the default of 10 to the -6.

This change along with the modifications to the source area for soil and groundwater as requested in your E-mail, causes the model to fail for soil (

dermal contact and ingestion) and for water (groundwater ingestion to a phantom well at 1000-feet).

Both these exposure pathways do not exist at the site. They were included, to look at the site from every potential pathway that could develop at the site. The possibility of a DOMESTIC or MUNICIPAL well being installed within a 2000-foot radius of the site is small. A Municipal well field currently does exist near the Zone-7 Water Agency on Hopyard Road. This is greater than 2000-feet from the subject site.

I would like to request that these exposure pathways (domestic well 1,000-feet and surface soil dermal/direct ingestion) be removed from the RBCA Tier-2 analyses. These changes along with the changes request from your December 19, 2000, E-mail would then pass.

Please advise.

If acceptable I can send every input/output screen in an adobe acrobat.PDF format ASAP.

Will Speth
Project Manager
(916) 536-2612

Chu, Eva, Public Health, EHS

From: wspeth@deltaenv.com[SMTP:wspeth@deltaenv.com]
Sent: February 01, 2001 3:58 PM
To: echu@co.alameda.ca.us
Subject: Chevron 9-5542 Dublin 7007 San Ramon Avenue

Eva:

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This change along with the modifications to the source area for soil and groundwater as requested in your E-mail, causes the model to fail for soil (dermal contact and ingestion) and for water (groundwater ingestion to a phantom well at 1000-feet).

Both these exposure pathways do not exist at the site. They were included, to look at the site from every potential pathway that could develop at the site. The possibility of a DOMESTIC or MUNICIPAL well being installed within a 2000-foot radius of the site is small. A Municipal well field currently does exist near the Zone-7 Water Agency on Hopyard Road. This is greater than 2000-feet from the subject site.

I would like to request that these exposure pathways (domestic well 1,000-feet and surface soil dermal/direct ingestion) be removed from the RBCA Tier-2 analyses. These changes along with the changes request from your December 19, 2000, E-mail would then pass.

Please advise.

If acceptable I can send every input/output screen in an adobe acrobat.PDF format ASAP.

Will Speth
Project Manager
(916) 536-2612

Chu, Eva, Public Health, EHS

From: wspeth@deltaenv.com[SMTP:wspeth@deltaenv.com]
Sent: December 12, 2000 8:49 AM
To: echu@co.alameda.ca.us
Cc: TKBA@chevron.com; jbrownell@deltaenv.com
Subject: Chevron 9-5542 7007 San Ramon Valley Blvd. Dublin

Eva:

I have received your E-mail through the grapevine, and it is my responsibility to answer your questions. The second semi-annual monitoring and sampling event conducted on August 28, 2000, should be mailed and arrive at the County either today (12/12/2000) or possibly Wednesday (12/13/2000). I can fax a copy to your attention if you would like.

Just to bring to your attention the whole sampling and monitoring program which was formerly handled by Blaine Tech Services is now being done by Gettler-Ryan, Inc. Delta is working with Gettler-Ryan, Inc. and we are in a transition period working out all the bugs, nothing is being forgotten, however it taking more time than previously anticipated to get reports (sampling and monitoring) out final.

The revised RBCA was mailed out on December 7, 2000, to your attention as well as to Chevron.

if this has not been received, please contact me and I can ZIP the file and E-mail or re-snail-mail to your office. Delta is trying to go paperless, so reports with the clients blessing can be sent electronically in the future.

Will

> -----Original Message-----
> From: Chu, Eva, Public Health, EHS [SMTP:EChu@co.alameda.ca.us]
> Sent: Friday, December 01, 2000 5:39 PM
> To: 'Tom Bauhs'
> Subject: Chevron 9-5542
>
> Hi Tom,
>
> I have not received a groundwater monitoring report for 7007 San Ramon
> Valley Blvd, Dublin, CA since the sampling event of March 2000.
> Groundwater
> sampling at the site should continue on a semi-annual basis until further
> notice. Also, please give me an update on when I will be receiving a
> revised RBCA for the site. Thanks.
>
>
> evachu
>
> Alameda County Environmental Health
> 1131 Harbor Bay Parkway
> Alameda, CA 94502
> (510) 567-6762
> (510) 337-9335 fax

Chu, Eva, Public Health, EHS

From: Chu, Eva, Public Health, EHS
Sent: July 25, 2000 2:14 PM
To: 'wspeth@deltaenv.com'
Subject: RE: RBCA default settings

good to hear it looks like it'll pass the RBCA. Use the most recent four quarters of groundwater data from wells in the affected area to calculate the 95%UCL.

From: wspeth@deltaenv.com[SMTP:wspeth@deltaenv.com]
Sent: July 25, 2000 1:55 PM
To: EChu@co.alameda.ca.us
Cc: jbrownell@deltaenv.com
Subject: RE: RBCA default settings

Eva:

The site is Chevron Station No. 9-5542 located at 7007 San Ramon Valley Boulevard, in Dublin. Also, the report documenting removal of the used oil tank done in February 1990 reported by Blaine Tech Services dated March 7, 1990 will be forwarded. Either separate cover or with closure request.

I had received an E-mail forwarded by Tom Bauhs asking to perform (revise)the RBCA analysis using soil data <19-feet and most recent ground water sampling data.

Based on RBCA analysis it look like it could be closed? with the below default modifications.

Will

-----Original Message-----

From: Chu, Eva, Public Health, EHS [mailto:EChu@co.alameda.ca.us]
Sent: July 25, 2000 1:48 PM
To: 'wspeth@deltaenv.com'
Subject: RE: RBCA default settings

The modifications you listed are also commonly done for Alameda County. The taste and threshold values don't come into play for us unless the site is in an area where domestic or water supply wells and/or surface water will be impacted. Make sure when chosing soil date that it is from the vadose zone and not below average groundwater elevation. If you collect site specific data on fraction organic content, that would be helpful, other wise use the more conservative default numbers.

If you have any more specific questions, do not hesitate to call or email.

Which site are we talking about now?

> -----
> **From:** wspeth@deltaenv.com[SMTP:wspeth@deltaenv.com]
> **Sent:** July 25, 2000 11:43 AM
> **To:** echu@co.alameda.ca.us
> **Subject:** RBCA default settings
> **Importance:** High
>
> Eva:
>
> I am in the process of preparing a RBCA Tier 2 analysis to be used in

- > support of closure. But before I get to the point of submitting the
- > report
- > I would like to know that I have modified the analysis to be acceptable.
- >
- > I do know that the slope factor on benzene should be adjusted from 0.29
- > (federal) to 0.1 (state). Sacramento County request that the ground water
- > MCLs mg/L under "User-Specified Custom Chemical Database/ Regulator
- > Standards" be adjusted to taste and odor thresholds of:
- >
- > benzene: 0.001 mg/L
- > toluene: 0.042 mg/L
- > ethylbenzene: 0.029 mg/L
- > xylenes: 0.017 mg/L
- > MTBE: 0.005 mg/L
- >
- > Also, Sacramento County request that consultants use the 95% upper
- > confidence level with arithmetic mean rather than Maximum concentrations
- > to
- > determine SSTLs, and that no natural attenuation or first order of decay
- > is
- > used.
- >
- > Could you please let me know what defaults need to be changed for Alameda
- > County for RBCA analysis.
- > I am using the GSI-net RBCA-toolkit for chemical releases version 1.2
- >
- > Thank you
- >
- > Will (916) 536-2612
- >

Chu, Eva, Public Health, EHS

From: Chu, Eva, Public Health, EHS
Sent: June 26, 2000 3:16 PM
To: 'Tom Bauhs'
Subject: Chevron 9-5542, 7007 San Ramon Blvd, Dublin, CA

Brett Hunter had promised a revised RBCA for the site, using recent groundwater data (last four to eight sampling event) and soil data collected only from the vadose zone (<19 feet bgs). My notes also show that Brett will look for the Waste Oil tank removal report (removal done in 1990).

Once I get the above referenced reports, I can review the site for possible closure.

ENVIRONMENTAL
PROTECTION

98 JUN -5 PM 3: 38



Chevron

June 3, 1998

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

Ms. Eva Chu
Alameda County Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Marketing - Sales West
Phone 510 842-9500

Re: Chevron Station # 9-5542, 7007 San Ramon Valley Rd., Dublin, CA
Attached Cover Letter (Chevron, 3/23/98)

Dear Ms. Chu:

Thank you for your telephone call the other day to discuss groundwater monitoring at the subject site. It was apparent from our conversation that the monitoring program adhered to by Gettler-Ryan on March 29, 1998 was different from what you were expecting. The monitoring performed in March by Gettler-Ryan was consistent with the plan recommended by Pacific Environmental Company in their Tier 2 Risk-Based Corrective Action Report dated March 4, 1998. In the cover letter (3/23/98) attached to Pacific's plan, Chevron endorsed Pacific's recommended monitoring program and informed your agency of its immediate implementation. The plan, as described below, is currently in effect and shall remain in effect until directed otherwise by your agency.

Gauge and Sample wells MW-2, MW-3, MW-6, MW-9, and MW-10 semi-annually (1st, 3rd qtrs)
Analyze all samples for: TPHGas, BTEX, and MtBE

Discontinue monitoring at all other site-related wells

As was discussed during our telephone conversation, Chevron will perform a one-time sampling of well MW-1 during the next event (September, 1998) and analyze for fuel oxygenates by GC/MS methodology.

If you have any questions or comments, I can be reached at (925) 842-8695.

Sincerely,

A handwritten signature in black ink that reads "Brett L. Hunter".

Brett L. Hunter
Environmental Engineer
Site Assessment and Remediation

cc: Mary Diamond, See's Candy, 3423 S. La Cienega Blvd., Los Angeles, CA 90016-4401
Rich Hiatt, San Francisco Bay RWQCB, Oakland, CA
See's Real Estate, 210 El Camino Real, S. San Francisco, CA 94080
Deanna Harding, Gettler-Ryan, Inc., 6747 Sierra Ct., Suite J, Dublin, CA 94568



Chevron

March 23, 1998

Ms. Eva Chu
Alameda County Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

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

Marketing – Sales West
Phone 510 842-9500

Re: Chevron Station # 9-5542, 7007 San Ramon Valley Rd., Dublin, CA
Attached Tier 2 Risk-Based Corrective Action (Pacific, 3/4/98)

Dear Ms. Chu:

Please find attached a report dated March 4, 1998 that was prepared by Chevron's consultant, Pacific Environmental Group, Inc. (Pacific), to describe the results of a Tier 2 risk analysis and to recommend the most appropriate corrective action for the subject site.

The analysis performed by Pacific evaluated the potential health risk to commercial building occupants posed by petroleum hydrocarbons in the subsurface. The results of the analysis determined there was no risk to human health or safety. In addition, the present site conditions were found to meet the low-risk groundwater case criteria that were published by the Regional Water Quality Control Board in 1995. Accordingly, Pacific recommended that no further active remediation be required and that a groundwater monitoring plan be implemented to verify plume stability and intrinsic bioremediation effectiveness. Chevron endorses Pacific's recommendations and will implement the recommended monitoring plan immediately unless, notified otherwise by your agency.

If you have any questions or comments, I can be reached at (510) 842-8695.

Sincerely,

Brett L. Hunter
Environmental Engineer
Site Assessment and Remediation

Attachment

cc: Mary Diamond, See's Candy, 3423 S. La Cienega Blvd., Los Angeles, CA 90016-4401
Rich Hiatt, San Francisco Bay RWQCB, Oakland, CA (w/o attachments)
See's Real Estate, 210 El Camino Real, S. San Francisco, CA 94080 (w/o attachments)



Chevron

November 21, 1997

Ms. Eva Chu
Alameda County Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

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

Marketing - Sales West
Phone 510 842-9500

Re: Chevron Station # 9-5542, 7007 San Ramon Valley Rd., Dublin, CA

Dear Ms. Chu:

According to your suggestion the following changes are being made to the groundwater monitoring program at the subject site:

Gauge and sample wells MW-2, MW-3, and MW-6 quarterly *discontinue*

Gauge and sample wells MW-1, MW-4, MW-9, and MW-10 semi-annually (1st and 3rd qtrrs.)

Discontinue gauging and sampling wells MW-7 and MW-8 entirely.

Well MW-5 has been paved over by the City of Dublin. As such, it has been removed from the groundwater monitoring program. However, it will be formally abandoned at a later date.

All groundwater samples will continue to be analyzed for the presence of TPHGas, BTEX constituents, and MTBE.

The above changes will go into effect immediately. Further changes to the groundwater monitoring program will be recommended at the time our RBCA results are reported. The report shall be submitted before December 31, 1997.

If you have any questions or comments, I can be reached at (510) 842-8695.

Sincerely,

Brett L. Hunter
Environmental Engineer
Site Assessment and Remediation

cc: Mary Diamond, See's Candy, 3423 S. La Cienega Blvd., Los Angeles, CA 90016-4401
Rich Hiett, San Francisco Bay RWQCB, Oakland, CA
See's Real Estate, 210 El Camino Real, S. San Francisco, CA 94080
Deanna Harding, Gettler-Ryan, Inc., 6747 Sierra Ct., Suite J, Dublin, CA 94568



Chevron

RECEIVED
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PROTECTION
96 FEB 20 PM 3:36

Chevron U.S.A. Products Company
6001 Bollinger Canyon Road
Building L
San Ramon, CA 94583
P.O. Box 5004
San Ramon, CA 94583-0804

Marketing - Northwest Region
Phone 510 842 9500

February 16, 1996

Ms. Eva Chu
Alameda County Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Re: Chevron Station # 9-5542, 7007 San Ramon Blvd., Dublin, CA

Dear Ms. Chu:

I appreciated the opportunity to discuss risk-based corrective action strategies with you, Ravi, and Kevin on January 29, 1996. By way of this letter, I would like to confirm our understanding of the key points that were addressed that day and to clarify the tasks that Chevron will be performing.

Recent groundwater data have shown benzene concentrations in excess of 11,000 ppb at monitoring well MW-1. In previous discussions pertaining to site conditions, it was agreed that Chevron would establish downgradient plume definition in the vicinity of temporary well SB-3 and that an assessment of potential site human health and safety risks would be performed. These issues were discussed at our January meeting and specific tasks to be performed in association with the health and safety risk evaluation were assigned.

The following five tasks were assigned to Chevron as part of the site risk evaluation process:

- 1) Perform additional site assessment for the purpose of installing a downgradient defining well and for collecting soil samples. Representative soil samples will provide site-specific soil data to be included in analytical risk modeling (Tier 2).
- 2) Tier 2-type modeling will be performed to determine site-specific target levels. It was agreed that the appropriate exposure pathway and receptor scenario to be modeled would be that of vapor intrusion from groundwater to buildings in a commercial/industrial zone.
- 3) Perform an onsite indoor vapor investigation in the Chevron convenience store. Several measurements will be obtained throughout the early to mid-summer period in 1996. Results of the soil vapor sampling will be compared to those obtained from analytical modeling.
- 4) Contact the adjacent property owner (Sees) to determine future site development plans and most probable use scenarios.
- 5) Survey and identify all sensitive receptors (i.e., water supply wells, surface water bodies, etc.) within 500 feet of the subject site. Discuss their significance to the subject site, if any.

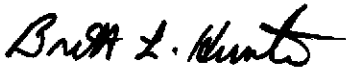


The acquired data from these investigations and modeling will be used to determine actual site-specific health and safety risk target levels. The modeling data will be presented in a format similar to the Groundwater Services, Inc. (GSI) Tier 2 RBCA Summary Report. Findings will be compared to the six definitions of a low risk groundwater case that appeared in a San Francisco Bay Regional Water Quality Control Board memorandum dated, January 5, 1996. An appropriate risk-based corrective action plan will then be developed based on the acquired results and on the comparison to the low risk groundwater case.

A workplan describing the installation of the downgradient monitoring well and the collection of representative soil samples will be submitted to your agency by March 15, 1996. An additional workplan detailing indoor air measurement procedures and analytical modeling will be submitted by April 15, 1996.

If you have any questions or comments, I can be reached at (510) 842-8695.

Sincerely,



Brett L. Hunter
Environmental Engineer
Site Assessment and Remediation

cc: Kevin Graves, San Francisco Bay RWQCB, Oakland, CA
Ravi Arulanantham, San Francisco Bay RWQCB, Oakland, CA
Mary Diamond, See's Candy, 3423 S. La Cienega Blvd., Los Angeles, CA 90016-4401
See's Real Estate, 210 El Camino Real, S. San Francisco, CA 94080
Violet Cargill, Chevron Products Company, San Ramon, CA
Mark Hayashi, Chevron Products Company, San Ramon, CA

Comments on RBCA

Soil Data:

- Do not use data from MW-2, MW-3, B4, or P1 through P6. These areas are not within the source zone.
- Include soil data from Sidewall-1 through Sidewall-3, collected from tank excavation on February 1998, and from WoM at 8.5 and 10.5 feet bgs. These areas are within the source zone.

Groundwater Data:

- Do not use data from MW-2 or MW-6. These wells are not within the contaminant plume.

RBCA Input Parameter Summary:

- Highlight/bold non-default parameters. Where or how were non-default parameters selected. In particular, ambient air velocity in mixing zone, fraction organic carbon, soil total porosity, volumetric water content in capillary and vadose zones, volumetric air content in capillary and vadose zones, net groundwater infiltration rate, saturated hydraulic conductivity, and fraction organic carbon in water bearing unit
- Use only metric units (use cm/yr or m/yr for Net groundwater infiltration rate).

The computed SSTLs seem high to me. They even exceed Oakland's Tier 2 RBCA by at least one order of magnitude, in particulate for subsurface soil volatilization to ambient air, soil volatilization to indoor spaces, and soil leaching to groundwater pathways.

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700

StID 1940

April 8, 1996

Mr. Brett Hunter
Chevron
P.O. Box 5004
San Ramon, CA 94583-0804

Re: **Workplan Approval for Chevron Station #9-5542, 7007 San Ramon Blvd, Dublin, CA 94568**

Dear Mr. Hunter:

I have completed review of Gettler-Ryan Inc's March 1996 Work Plan for Limited Subsurface Investigation for the above referenced site. The proposal to install one offsite groundwater monitoring well to define the downgradient extent of the dissolved hydrocarbon plume, and to drill two exploratory soil borings to collected site specific soil data for the planned Tier 2 evaluation is acceptable.

However, since lithology is not uniform throughout the area of concern, it is recommended that one of the proposed soil borings be located near well MW-4 which encountered more permeable sediments (silty sand) at 8 to 22' bgs than near the service station. If this is acceptable, field work should commence within 45 days of the date of this letter.

If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

cc: Greg Gurss, Gettler-Ryan, 3164 Gold Camp Dr, Suite 240,
Rancho Cordova, CA 95670
DK files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ARNOLD PERKINS, DIRECTOR
RAFAT A. SHAHID, DEPUTY DIRECTOR

StID 1940

January 3, 1996

Mr. Brett Hunter
Chevron
P.O. Box 5004
San Ramon, CA 94583-0804

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

**RE: Risk Analysis for Chevron Station #9-5542, 7007 San Ramon
Blvd, Dublin 94568**

Dear Mr. Hunter:

Thank you for the submittal of Groundwater Technology, Inc's September 1995 Environmental Assessment Report, and Gettler-Ryan Inc's March, June, and September 1995 groundwater monitoring reports for the above referenced site. "Grab" groundwater samples collected from the three Geoprobe borings appear to have delineated the extent of the contaminant plume. Another permanent well will be installed near the vicinity of Geoprobe SB-3. Also, up to 11,000 ppb benzene was detected in well MW-1 in September 1995.

At this time a human health risk assessment should be performed to determine if benzene levels in excess of 11,000 ppb pose a human health risk, either from groundwater volatilization to outdoor air and/or groundwater vapor intrusion from groundwater to buildings. Information from the assessment should establish acceptable cleanup levels for this site. The risk analysis is due within 60 days of the date of this letter, or by March 6, 1996.

If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

cc: files

- ① Verify no sensitive receptors
- ② Modify Tier 1/2 to verify no human health risk
- ③ Can incorporate GSI worksheet
- ④ Verify plume trend

porosity, bulk density, etc
site specific's



ENVIRONMENTAL
PROTECTION

95 JAN - 8 PM 1:12



Chevron

Chevron U.S.A. Products Company
6001 Bollinger Canyon Road
Building L
San Ramon, CA 94583
P.O. Box 5004
San Ramon, CA 94583-0804

Marketing - Northwest Region
Phone 510 842 9500

December 29, 1995

Ms. Eva Chu
Alameda County Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Re: Chevron Station # 9-5542, 7007 San Ramon Valley Rd., Dublin, CA
Attached Environmental Assessment Report (GTI, 9/28/95)

Dear Ms. Chu:

Attached you will find a report dated September 28, 1995 that was prepared by Chevron's consultant, Groundwater Technology Inc. (GTI), to describe the results of their groundwater investigation that was performed at the subject site on July 12, 1995. The purpose of GTI's investigation was to delineate the extent of the dissolved hydrocarbon plume downgradient from the subject site.

The investigation included the installation of three Geoprobe borings along the plume axis. The Geoprobos were located offsite approximately 210, 270, and 320 feet downgradient from the source area. Soil samples were collected at each location and respective lithologies were described. Groundwater samples were obtained from each boring and were analyzed for the presence of TPHGAs and BTEX constituents. Detectable concentrations of petroleum hydrocarbons were measured at each location.

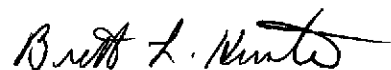
Based on the acquired data, two important conclusions have been reached. The first is, that the plume length does not extend beyond the location of Geoprobe SB-3. As a result, a conventional groundwater monitoring well will be located in this vicinity to confirm the plume stability. Secondly, by determining the plume extent with this investigation, it is reasonable to infer that the hydrocarbons detected in groundwater during a separate investigation at the southeast corner of Regional Street and Dublin Boulevard, did not originate from the subject site. The separate investigation was performed on June 3, 1994 and results were reported by TMC Environmental, Inc. on June 24, 1994. Further support of the second conclusion was obtained by Chevron through a search of historic aerial photographs of the subject area. In reviewing a photograph (copy attached) taken on April 27, 1982, it was apparent that a service station existed on the southwest corner of Regional Street and Dublin Boulevard. The service station observed at this location was not present in a photograph dated August 18, 1988. Chevron has no knowledge of any environmental investigation that may have been conducted at the southwest corner of Regional/Dublin however, the former service station at that location represents a more likely source of the contamination discovered by TMC Environmental than does Chevron's site.

A workplan proposing the installation of a downgradient monitoring well will be submitted to your agency by March 1, 1996. If you have any questions or comments, I can be reached at (510) 842-8695.

90-530
615-60

164
Recycled
Paper

Sincerely,

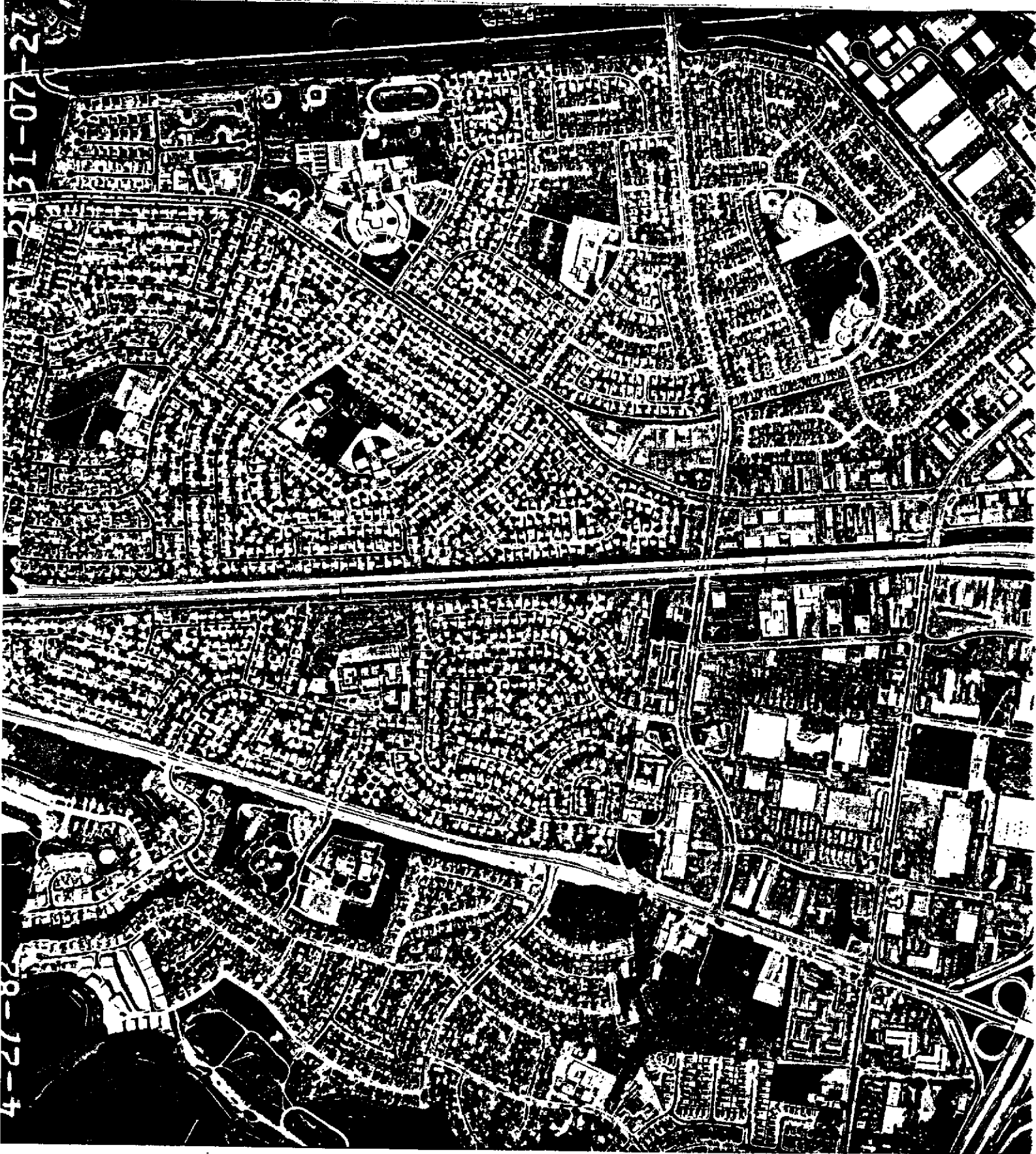


Brett L. Hunter
Environmental Engineer
Site Assessment and Remediation

Attachment

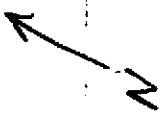
cc:

Mary Diamond, See's Candy, 3423 S. La Cienega Blvd., Los Angeles, CA 90016-4401
William Mathews Brooks, Ardenbrook, Inc., 4725 Thornton Ave., Fremont, CA 94536
Howard Pearlman, Bartko, Zankel, Tarrant & Miller, 900 Front St., Suite 300,
San Francisco, CA 94111
Rich Hiatt, San Francisco Bay RWQCB, Oakland, CA (w/o attachment)
See's Real Estate, 210 El Camino Real, S. San Francisco, CA 94080 (w/o attachment)
Jon Robbins, Chevron USA, Products Company, San Ramon, CA (w/o attachment)



4-27-80
AV-21
31-07-27

DATE:



PACIFIC
AERIAL SURVEYS
8407 Edgewater Drive
Oakland, CA 94621 • (510) 632-2020

INTERSECTION OF
RAMON VALLEY BLVD
DUBLIN BLVD.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

StID 1940

June 29, 1995

Mr. Brett Hunter
Chevron USA
P.O. Box 5004
San Ramon, CA 94583-0804

RE: Workplan Approval for Chevron Station #9-5542, 7007 San
Ramon Blvd, Dublin 94568

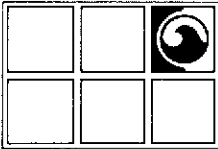
Dear Mr. Hunter:

I have completed review of Groundwater Technology, Inc's March 1995 Workplan for Additional Groundwater Assessment, May 1995 Addendum to Workplan, and recent revised site plan for the above referenced site. Two of the original proposed soil boring locations must be moved due to the presence of Dent Extractors and Grand Auto Parts buildings. These borings will be relocated along the curb lane of westbound Dublin Blvd. Also, location of monitoring well MW-10 will be installed after reviewing data collected from this phase of the investigation. This proposal is acceptable and field work should commence within 45 days of the date of this letter.

If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

cc: Brian McAloon, GTI, 1401 Halyard Dr, #140, West Sacramento,
CA 95691
files



GROUNDWATER TECHNOLOGY, INC.

1401 Halyard Drive, Suite 140, West Sacramento, CA 95691, (916) 372-4700

FAX (916) 372-8781

TO: Ms. Eva Chu
Alameda County Dept. of Environmental Health
Hazardous Materials Division
1131 Harbor Bay Parkway, Suite 230
Alameda, CA 94502

DATE: 06/26/95 JOB NO. 02070-0156
FROM: Brian McAloon
RE: Chevron Service Station #9-5542
7007 San Ramon Road
Dublin, California

We are sending via: AIRBORNE MAIL FAX

ORIGINALS	COPIES	DATE	DESCRIPTION
	1	06/26/95	Revised Site Plan

Transmitted as checked:

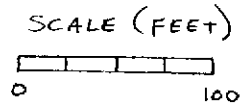
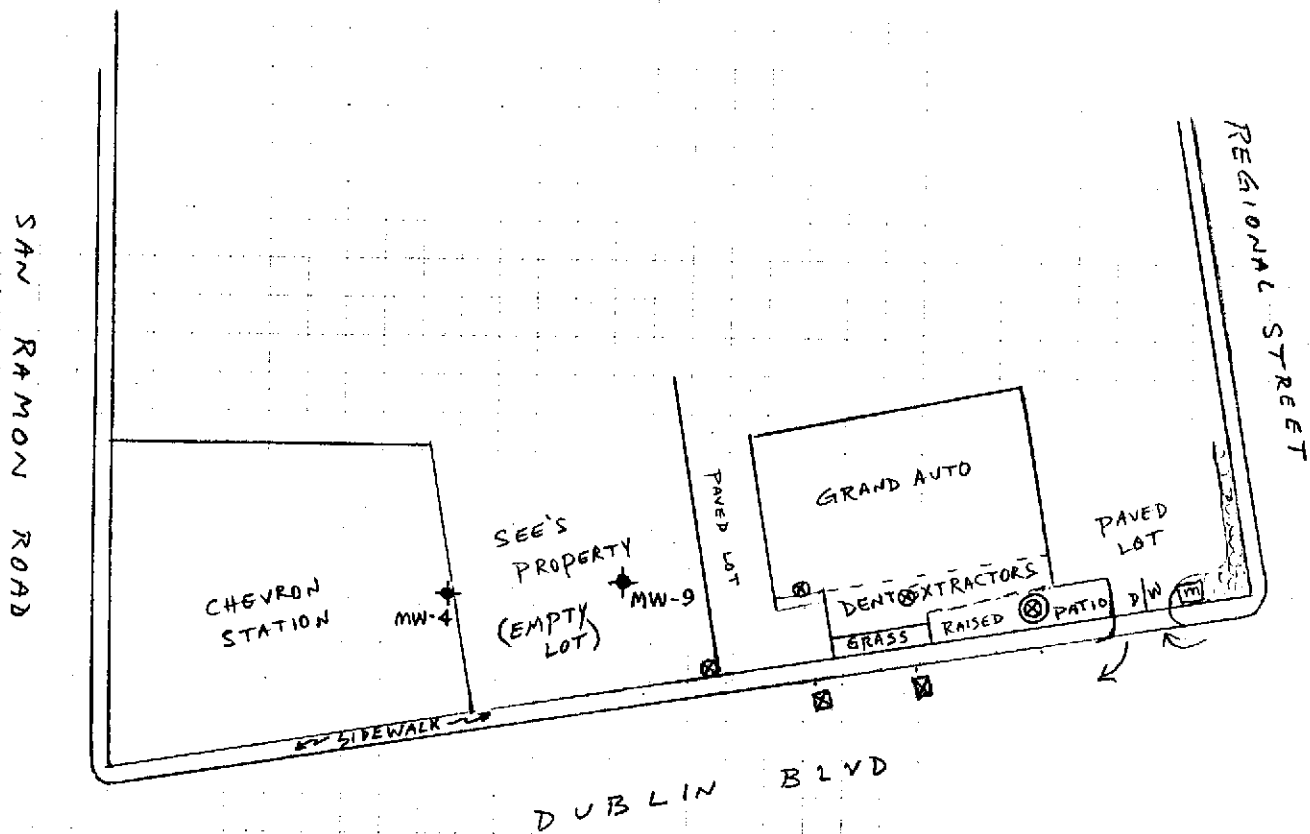
- For Approval
 For Your Use
 As You Requested
 For Comment
 For Resubmittal
 For Your Records

Remarks Ms. Chu,

Attached is the Revised Site Plan for Chevron Service Station #9-5542, located at 7007 San Ramon Road, Dublin, CA. Proposed locations for the two eastern-most Geoprobe borings and monitoring well MW-10 must be moved due to the presence of Dent Extractors and Grand Auto Parts buildings. A heavy concentration of underground utilities beneath the sidewalk in this area requires the two Geoprobe borings be drilled in the curb lane of westbound Dublin Blvd. The location of the third Geoprobe boring, in the vacant lot east of Chevron, will remain unchanged. The proposed location of monitoring well MW-10 must be moved due to the presence of a fenced, raised patio bordering the sidewalk and has not been finalized yet.

Please feel free to call me if you have any questions on this matter. Thank you.

Notes - Brent says record Quiltes are coming



KEY:

- ✦ EXISTING MONITORING WELL
- ⊗ ORIGINAL PROPOSED GEOPROBE BORING
- ⊠ RELOCATED PROPOSED GEOPROBE BORING
- ⊗ ORIGINAL PROPOSED MW-10
- Ⓜ VACUUM MOTOR IN GRAND AUTO PARKING LOT
- D/W DRIVE-WAY

REVISED SITE PLAN
 CHEVRON STATION #9-5542
 7007 SAN RAMON ROAD
 DUBLIN, CALIF.

GROUNDWATER TECHNOLOGY
 1401 HALYARD DR. #140
 WEST SACRAMENTO, CALIF. 95691

DR. BY BPM DATE: 6-26-95

LAW OFFICES OF
BARTKO, ZANKEL, TARRANT & MILLER

A PROFESSIONAL CORPORATION
900 FRONT STREET, SUITE 300
SAN FRANCISCO, CALIFORNIA 94111
TELEPHONE (415) 956-1900
TELECOPIER (415) 956-1152

90 JUN 27 PM 9:05

January 26, 1995

HOWARD L. PEARLMAN

OUR FILE: 1040.001

Ms. Eva Chu
Alameda County Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Re: Migration of Contaminated Groundwater from
Chevron Station #9-5542, 7007 San Ramon
Valley Blvd., To Downgradient Property At
7874-7898 Dublin Blvd. and 6921 Regional
Street, Dublin, CA

Dear Ms. Chu:

This firm represents Liberty House Properties ("LHP"), owner of the Ross Retail Center property located at 7874-7898 Dublin Boulevard and 6921 Regional Street in Dublin, California (hereinafter, the "Property"). I am writing to you with two purposes: (1) to notify the County of Alameda (the "County"), and by copy of this letter the California Regional Water Quality Control Board, of low levels of petroleum hydrocarbons recently detected in groundwater at the Property; and (2) to request that the County direct Chevron U.S.A. Products Company ("Chevron"), whose upgradient property at 7007 San Ramon Valley Boulevard (the "Chevron Property") is the suspected source of the contamination at the Property, to further define the extent of the contaminated plume migrating from its property and take appropriate remedial action.

By way of background, in January 1994, the owners of the Property authorized McLaren/Hart Environmental Engineering to conduct a Phase I Environmental Assessment in connection with a transaction involving the Property. The Phase I concluded, among other things, that the release of petroleum hydrocarbons at the Chevron Property (a LUST site under your agency's jurisdiction) "has the potential to impact groundwater beneath the Property." No on-site sources of petroleum hydrocarbon releases were reported.

Ms. Eva Chu
January 26, 1995
Page 2

Given the conclusions in the Phase I report, LHP decided it would be prudent to sample groundwater as a "Phase II" assessment in order to determine whether contamination from an off-site source had migrated onto and impacted groundwater at its Property. LHP's consultant, TMC Environmental, Inc. ("TMC"), took two groundwater "grab" samples on June 3, 1994 along the western boundary of the Property, downgradient of the Chevron Property. The results were reported in a June 24, 1994 Ground Water Sampling Report, a copy of which is attached hereto as Exhibit A. The results showed detectable levels of gasoline in the two borings (B-1 and B-2) at 80 and 190 parts per billion (ppb), respectively. BTEX levels were below detection limits.

We presented this data to Chevron, but were advised that Chevron "does not intend to take any further action regarding [the Property] unless directed to do so by a government agency with jurisdiction." Attached hereto as Exhibit B is Chevron's January 10, 1995 letter setting forth its position. In its letter, Chevron notes that when "additional assessment work is performed on property between Chevron's site and your client's property which develops data which fills in the present data gap," Chevron would further review its position. In light of the recent data suggesting that contaminants have migrated from the Chevron Property onto the Property, we do not believe Chevron's current monitoring program has, or will, adequately characterize the extent of the plume associated with releases from its property and should thus be expanded to do so. Accordingly, to that end, we ask that your agency direct Chevron to conduct further investigation on downgradient properties between the Chevron Property and the Property.

We direct your attention, in particular, to the September 20, 1994 report on the results of subsurface investigation and ground water monitoring conducted by Chevron's consultant, Sierra Environmental Services ("SES"), at the Chevron Property on June 8, 1994, as well as SES's November 3, 1994 report on quarterly ground water samples taken from wells MW-1 through MW-9 on September 22, 1994 and October 14, 1994. Both reports note high concentrations of petroleum hydrocarbons in well MW-9, which is downgradient of the Chevron Property and upgradient of the Property. While Chevron has placed two wells somewhat downgradient of MW-9, it has not sampled directly downgradient between MW-9 and the two groundwater samples taken at the Property. Since there are no currently known sources upgradient of the Property other than the Chevron Property, we believe the burden should properly be placed on Chevron, as part of its current corrective action efforts, to perform the additional

Ms. Eva Chu
January 26, 1995
Page 3

investigation necessary to fully define the extent of the contaminated plume and take appropriate remedial measures.

LHP's consultant, Michael Princevalle, will contact you next week to discuss this matter and provide you with any additional information you might require. Until then, please do not hesitate to contact me at the above telephone number or Mr. Princevalle at 510-232-8366 to discuss any aspect of this matter.

Thank you for your attention to this matter.

Very truly yours,

BARTKO, ZANKEL, TARRANT & MILLER
A Professional Corporation



Howard L. Pearlman

Enclosures

cc: Mr. Richard Hiett, RWQCB, S.F. Bay Region
Mr. William Mathews Brooks
Mr. Stuart Moldaw
Mr. Michael Princevalle
John N. Robbins, Esq., Chevron

(03/1040.001/0001)

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

StID 1940

January 18, 1995

Mr. Brett Hunter
Chevron USA
P.O. Box 5004
San Ramon, CA 94583-0804

ALAMEDA COUNTY-ENV. HEALTH DEPT.
ENVIRONMENTAL PROTECTION DIV.
1131 HARBOR BAY PKWY., #250
ALAMEDA CA 94502-6577
(510)567-6700

**RE: RAP for Chevron Station #9-5542, 7007 San Ramon Valley
Blvd, Dublin 94568**

Dear Mr. Hunter:

On June 29, 1992 this office requested that a Corrective Action Plan be developed for the cleanup of soil and groundwater, both on- and off-site, caused by the released of fuel products from the above referenced site. In response, Chevron submitted a workplan prepared by Geraghty & Miller, Inc, dated August 21, 1992, for the installation of groundwater/vapor extractions wells. The wells were installed, however, due to high ground water levels, the soil-vapor extraction pilot test was postponed indefinitely.

Chevron is currently evaluating other remediation options, as stated in your letter dated January 11, 1994. Since then, one additional well, MW-9, and two soil borings were installed to further delineate the extent of the contaminant plume. The site has been adequately characterized at this time to begin development of and selection of a Remedial Action Plan (RAP) for site cleanup and control of offsite migration of contaminants. The RAP is due to this office within 45 days of the date of this letter, or **by March 3, 1995.**

If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

cc: files



Chevron

January 10, 1995

Chevron U.S.A. Products Company

6001 Bollinger Canyon Rd.
San Ramon, CA 94583-2398
P.O. Box 5044
San Ramon, CA 94583-0944

Randall M. Faccinto, Esq.
ZANKEL & McGRANE
One Embarcadero Center, Suite 1200
San Francisco, CA 94111

Jon N. Robbins
Senior Counsel
Law Department
Phone (510) 842-2642
Fax (510) 842-3365

Re: Chevron Station #9-5542

Dear Mr. Faccinto:

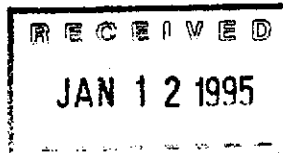
Thank you for your letter and the accompanying copy of the Phase II assessment. I provided the information to Chevron's environmental group for review and comment.

Our review of the materials has now been completed and Chevron's position remains the same. There is not enough evidence to conclude that the levels of TPHG detected on your client's property have migrated from Chevron's site.

The water samples which were analyzed, were collected from temporary wells. There is no way to duplicate the results. Further, no soil samples were collected which reinforce and/or support the results of the groundwater analysis. We could find no evidence that appropriate quality assurance and quality control (QA & QC) processes were employed by your client's consultant, to insure the reliability of the groundwater test results.

The levels of dissolved hydrocarbon contamination present in Chevron's most down-gradient well, would be expected to continue to diminish if a plume from the Chevron site were to move down-gradient. It is our conclusion that the hydrocarbon levels present in Chevron's well are insufficient to support the conclusion that the contamination migrated from Chevron's site which is more than 600 feet cross-gradient from your client's property.

If additional assessment work is performed on the property between Chevron's site and your client's property which develops data which fills in the present data gap, please provide such information to us for our further review. Until such time, if any, that such additional data is developed demonstrating that Chevron is responsible for the contamination at your client's property, Chevron does not intend to take any further action regarding your client's site unless directed to do so by a government agency with jurisdiction. We respectfully suggest

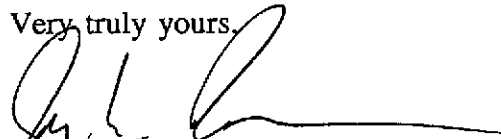


January 10, 1995
Page 2

that your client look for sources of contamination from historic uses both on your client's property and on adjacent property.

Please do not hesitate to give me a call if you have any questions.

Very truly yours,

A handwritten signature in black ink, appearing to read "Jon N. Robbins", with a long horizontal flourish extending to the right.

Jon N. Robbins

JNR:me

cc: Mr. D.A. Newell-General Counsel-Chevron Products Company
Mr. Brett Hunter-NW Region-San Ramon, CA

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

StID 1940

September 14, 1994

Mr. Brett Hunter
Chevron USA
P.O.Box 5004
San Ramon, CA 94583-0804

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

RE: Technical Reports for Chevron Station #9-5542, 7007 San Ramon Blvd, Dublin 94568

Dear Mr. Hunter:

I have completed review of Sierra Environmental Services' April 1994 groundwater monitoring report for the above referenced site. Monitoring wells MW-1, MW-3, and MW-5 continue to show elevated levels of TPH-G and BTEX. At this time, quarterly monitoring should continue and reports should be submitted to this office in a timely manner, usually within 60 days upon completion of field activities.

Also, in June 8, 1994, additional soil borings and an offsite monitoring well were advanced and constructed to further evaluate the extent of soil and groundwater contamination resulting of the fuel release at this site. To date, we are not in receipt of a report documenting this work. This report is due to this office within 15 days of the date of this letter.

Please be advised that this is a formal request for technical reports pursuant to Title 23, CCR, Section 2722(c). Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by this agency.

If you have any questions, I can be reached at (510) 567-6762.

A handwritten signature in black ink, appearing to read 'Eva Chu', written in a cursive style.

eva chu
Hazardous Materials Specialist

cc: files

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

StID 1940

May 13, 1994

Mr. Brett Hunter
Chevron USA
P.O. Box 5004
San Ramon, CA 94583-0804

**Subject: Workplan Approval for Chevron Station #9-5542,
7007 San Ramon Valley Blvd, Dublin 94568**

Dear Mr. Hunter:

I have completed review of Sierra Environmental Services' May 1994 Monitoring Well Installation workplan for the above referenced site. The proposal to install a downgradient monitoring well, and to advance two borings east of the former tank pit to determine the extent of soil and groundwater contamination at the site is acceptable. Information gathered from this phase of the investigation will be used to develop a Corrective Action Plan to remediate the site.

Field activities should commence **within 45 days of the date of this letter**. Please notify this office at least 72 hours prior to the start of field work.

If you have any questions, please contact me at (510) 271-4530.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Eva Chu'.

eva chu
Hazardous Materials Specialist

cc: files

*mw + SBs done in 6/8/94 - still no report.
latest QMR for 3/94 arrived in 8/94*

chvrond6

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

StID 1940

May 3, 1994

Mr. Brett Hunter
Chevron USA
P.O. Box 5004
San Ramon, CA 94583-0804

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

NOTICE OF VIOLATION

Dear Mr. Hunter :

In 1992 Chevron had proposed to conduct a soil vapor extraction pilot test at 7007 San Ramon Valley Blvd, Dublin. But due to high levels of groundwater, the pilot test was postponed. Currently, Chevron is evaluating other remediation options for the site, and plans to conduct a soil vapor extraction pilot test have been postponed indefinitely. In a recent conversation, you anticipated that a workplan, in the form of a Corrective Action Plan (CAP), would be submitted to this agency no later than March 18, 1994. To date we are not in receipt of a CAP proposal. Therefore, this letter constitutes a Second Notice that you are in violation of specific laws and that the technical report is due.

According to Section 25298 of the California Health and Safety Code, underground storage tank closure is incomplete until the responsible party characterizes and remediates the contamination resulting from product discharge. Therefore, Chevron, as the responsible party is in violation of this section of the Code, for which Section 25299 specifies civil penalties of up to \$5,000, for each day of violation, upon conviction.

You are required to submit the technical reports for the site to this office within 15 days from the date of this letter. Failure to respond may result in referral of this case to the RWQCB or Alameda County District Attorney to consider for enforcement action. Modification of required tasks or extensions of stated deadlines must be confirmed in writing by either this agency or the RWQCB.

If you have any questions, I can be reached at (510) 271-4530.


eva chu
Hazardous Materials Specialist

cc: files (chvrond5)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

StID 1940

November 1, 1993

Mr. Brett Hunter
Chevron USA
P.O.Box 5004
San Ramon, CA 94583-0804

**Subject: Pilot Test II for Water/Vapor Extraction at
Chevron #9-5542, 7007 San Ramon Valley Blvd., Dublin
94568**

Dear Mr. Hunter:

I have just received and completed review of Sierra's quarterly monitoring reports for field activities conducted in March and July 1993 at the above referenced site. In the future, please submit quarterly reports in a more timely manner.

Groundwater elevations have decreased to "normal" levels in July. It may be appropriate at this time to consider performing another pilot vapor extraction test at the site. A report must be submitted within 45 days after completion of this phase of work.

If you have any questions, please contact me at (510) 271-4530.

Sincerely,

Eva Chu

Hazardous Materials Specialist

cc: Paul Hehn, Geraghty & Miller, 1050 Marina Way South,
Richmond, CA 94804

files

chvrond4

✓
ll
4/22/93

April 22, 1993
Project No. RC09305

Ms. Eva Chu
Alameda County Department of Environmental Health
80 Swan Way, Room 200
Oakland, California 94621

SUBJECT: Revised Schedule for Soil-Vapor Extraction Pilot Test
Chevron Service Station #9-5542,
7007 San Ramon Road, Dublin, California.

Dear Ms. Chu:

As per our telephone conversation of April 2, 1993, Geraghty & Miller, Inc. (Geraghty & Miller) has prepared this letter on behalf of Chevron U.S.A. Products Company (Chevron) detailing the rescheduling and future plans for the soil-vapor extraction pilot test at the above referenced Chevron service station.

During March 1993, Geraghty & Miller completed a ground-water extraction test to determine the appropriate pumping rate required to dewater the area near Extraction Well MW-1 for possible future soil-vapor extraction (SVE). Ground-water levels at the time of the extraction test were 6 to 8 feet higher than the normal ground-water levels measured at this site over the previous two years of measurements. These anomalously high ground-water levels may be attributed to the heavy winter and spring rains which caused ground-water levels in the area to increase substantially.

Due to these higher than normal ground-water levels, the entire screened intervals of the soil-vapor extraction wells were submerged below the ground water. While the ground-water extraction pumping was able to lower the ground-water levels up to the originally designed 2 feet in the soil-vapor extraction wells during the ground-water extraction well pumping test, this was not enough drawdown in the soil-vapor extraction wells to expose the screened intervals during this time of anomalously high ground-water levels. Thus, since the soil-vapor extraction wells screened intervals were not above the ground-water level, the soil-vapor extraction pilot test, originally scheduled to immediately follow the ground-water extraction test, could not be completed.

Therefore, due to the high ground-water levels, the soil-vapor extraction pilot test will have to be rescheduled for a time when the levels are nearer to normal. The ground-water levels in the monitor wells will be measured regularly to determine when the ground-water has dropped to the normal levels. This should occur by mid-summer. When more normal ground-water levels are measured, the completion of the soil-vapor extraction pilot test will be rescheduled. You will be notified in advance when the soil-vapor pilot test is to be completed.

If you have any questions concerning this rescheduling, please do not hesitate to call.

Sincerely,
GERAGHTY & MILLER, INC.



Paul V. Hehn
Project Hydrogeologist/Project Manager

cc: Clint Rogers, Chevron U.S.A. Products Company

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



EBA

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

StID 1940

December 10, 1992

Clint Rogers
Chevron USA
P.O.Box 5004
San Ramon CA 94583-0804

**Subject: Pilot Test for Water/Vapor Extraction at Chevron #9-
5542, 7007 San Ramon Valley Blvd., Dublin**

Dear Mr. Rogers:

This office has reviewed the groundwater monitoring report (Sierra, 10/21/92) for the above referenced site. Groundwater analyses of onsite and offsite monitoring wells appear to show petroleum hydrocarbon contamination to be migrating offsite as indicated by increasing concentrations of benzene in MW-5 and MW-8.

Chevron recently had MW-1 replaced with a 4-inch diameter well casing to be used for groundwater and vapor extraction. Two vapor monitoring wells were also installed. Due to the apparent offsite migration of contaminants from the site, a pilot test should commence **within 45 days of the date of this letter** to determine the feasibility and effectiveness of the water and vapor extraction system. A summary report must be submitted within 45 days after the completion of this phase of work at the site.

If you have any questions or comments, I can be reached at (510) 271-4530.

Sincerely,

Eva Chu
Hazardous Materials Specialist

cc: Rich Hiett, RWQCB
Paul Hehn, Geraghty & Miller, 1050 Marina Way South,
Richmond, CA 94804
Edgar Howell/files

chvrond3

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

StID 1940

October 8, 1992

Clint Rogers
Chevron USA
P.O.Box 5004
San Ramon, CA 94583-0804

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

**Subject: Soil Vapor Extraction Test for Chevron Station #9-5542,
7007 San Ramon Valley Blvd., Dublin, CA**

Dear Mr. Rogers:

This office has reviewed the workplan, dated August 21, 1992, prepared by Geraghty & Miller, Inc. for the installation of a groundwater/vapor extraction well and 2 vacuum monitoring wells. The workplan is approved by this office and work shall commence **within 30 days of the date of this letter.** A report detailing findings and results during this phase is due within 45 days upon completion of field activities.

Please notify this office 48 hours prior to the start of field work. If there are questions or comments about the content of this letter, please contact me at (510) 271-4530.

Sincerely,

Eva Chu
Hazardous Materials Specialist

cc: Rich Hiatt, RWQCB
Tom Hathcox, Dougherty Regional Fire Department
Edgar Howell/files

chvrond2

>>

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



STID 1940

June 29, 1992

Clint Rogers
Chevron USA
P.O. Box 5004
San Ramon, CA 94583-0804

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

**Subject: Site Remediation at Chevron Station 9-5542,
7007 San Ramon Blvd., Dublin 94568**

Dear Mr. Rogers:

This office has reviewed the file for the above referenced site. The work performed to date has confirmed that hydrocarbon contamination in groundwater extends downgradient from the underground storage tank (UST) complex beyond MW-6, and west of MW-8. Further, ground water contamination has also been detected in MW-5 and -7 since September 1991. Well MW-5, -6, and -7 are located off-site.

Soil samples collected from boring MW-1 had up to 1,300 and 270 parts per million (ppm) total petroleum hydrocarbons as gasoline (TPH-G) at a depth of 24' and 30', respectively. Soil samples collected from the remaining on-site borings exhibited only trace levels of contaminants. However, the lateral extent of soil contamination cannot be determined without additional borings north and east of MW-1, east and west of the UST complex, and south and west of the former service islands.

Over-excavation of the tank pit area during tank removal in February 1990 did not remove contaminated soils beyond 22' below ground surface. At this time, pursuant to Section 2721 et seq. of Article 11, Title 23, California Code of Regulations, you are hereby requested to develop a Corrective Action Plan (CAP) for further investigation of this site, and to identify and evaluate all feasible alternatives for cleanup of soil and groundwater, both on- and off-site, caused by the unauthorized release of petroleum products from the referenced Chevron Station.

The reference CAP is due in this office within 45 days of the date of this letter. Include a time schedule for the completion of each aspect of the remediation process, as well as a proposal for the determination of the lateral extent of soil contamination at this site.

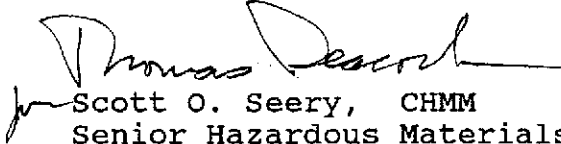
Copies of all reports and proposals must also be sent to Eddy So of the RWQCB.

Clint Rogers
Chevron Station #9-5542
7007 San Ramon, Dublin
June 29, 1992

Page 2

If you have any questions regarding the contents of this letter,
do not hesitate to contact Ms. Eva Chu at (510) 271-4530.

Sincerely,


for Scott O. Seery, CHMM

Senior Hazardous Materials Specialist

cc: Eddy So, RWQCB
Mark Thomson, Alameda County District Attorney's Office
Tom Hathcox, Dougherty Regional Fire Department
Howard Hatayama, DTSC
files

chvrronD

PS: Chevron SS # 95542
7007 San Ramon Rd.
Dublin 568

Prep: Attn: Clint Rogers
Chevron USA
2410 Camino Ramon
POB 5004
San Ramon 583

DATE: 3-4-92
TO : Local Oversight Program
FROM: BRIT JOHANSON
SUBJ: Transfer of Eligible Oversight Case

8006619
2-13-90

Site name: CHEVRON
Address: 7007 SAN RAMON RD city DUBLIN zip 94568
Closure plan attached? Y N DepRef remaining \$ 429.00
DepRef Project # 709 STID #(if any) 1940
Number of Tanks: 4 removed? Y N Date of removal 2-13-90
Leak Report filed? Y N Date of Discovery 2-13-90
Samples received? Y N Contamination: SOIL
Petroleum Y N Types: Avgas Jet 1x 2x Diesel
fuel oil waste oil kerosene solvents
Monitoring wells on site 8 Monitoring schedule? Y N

Briefly describe the following:
Preliminary Assessment SOIL + GW CONTAMINATION
Remedial Action VAPOR TREATMENT PROPOSAL - NO INDICATION INSTALLED
Post Remedial Action Monitoring N/A
Enforcement Action N/A

Comments: 8 MW'S MW 1, 2, 3, 4 7 ON SITE MW'S 5, 6, 7 3 OFFSITE
MOST RECENT MW - 1 OFFSITE INSTALLED 12-6-91
SOIL + GW NON-DTECT

11/11/91 CHEVRON PROPOSRS TO OPERATE A VAPOR EXTRACTION + TREATMENT UNIT APPLICATION MADE TO BAAQMD

12/19/91 QTR SAMPLING

MW-1	20,000 ug/L	TPH-6
MW-2	< 50	
MW-3	640	
MW-4	41,000	
MW-5	< 50	
MW-6	380	
MW-7	< 50	

NEW TESTS INSTALLED IN FEB 1990 AFTER REMOVAL OF SOME OF THE CONTAMINATED SOIL

Site Brief GENERATORS
for the City of Livermore

s of 12/27/91 page 4

StID#	Name of Site	Site Address	Zip	Last Insp	#Empl	Sta
3310	Accurate Machine & E	6430 -F Preston Ave.	550	03/07/91	6	C
3309	De Paoli Equipment C	5710 Preston Ave.	550	03/15/91	3	C
3104	Specialized Truck Re	5715 Preston Ave.	550	08/01/90	2	C
1968	BayCorr Packaging In	6189 Preston Ave.	550	02/28/91	6	C
1398	U.S. Windpower Inc.	6952 Preston Ave.	550	03/26/90	50	C
2627	Kenetech Service Com	337 Preston Ct.	550	11/18/91	8	I
3058	B&B Rental	6500 Preston St.	550	07/09/90	2	C
3394	Kaiser Regional Dist	300 Pullman St.	550	10/01/91	300	C
2977	Paul's Sparkle Clean	1332 Railroad Ave.	550	05/16/90	6	C
1691	J Cleaners	2093 Railroad Ave.	550	11/09/87	1	C
2823	Hansen's Body Shop	2127 Railroad Ave.	550	03/29/91	2	C
2824	AAMCO Transmissions	2240 Railroad Ave.	550	02/07/90	4	C
2872	Ron's Valley Brake &	2248 Railroad Ave.	550	03/14/90	1	C
3050	Livermore Honda	2330 Railroad Ave.	550	06/25/90	4	C
3325	Alameda County Publi	2376 Railroad Ave.	550	03/28/91	21	C
2464	Don's Automotive Rep	2456 Railroad Ave.	550	03/28/91	3	C
3016	Livermore Corporatio	2500 Railroad Ave.	550	06/06/90	35	C
3311	Wesco Graphics, Inc.	2034 Research Dr.	550	03/15/91	7	C
1975	GSL Inc.	2070 Research Dr.	550	04/06/88	15	C
2362	Custom Chemical	2127 Research Dr.	550	02/21/89	5	C
3100	United Security Prod	2171 Research Dr.	550	07/30/90	35	C
2860	L. Karle Company	2261 Research Dr.	550	03/08/90	22	C
3312	Environmental Care,	2283 Research Dr.	550	03/07/91	100	C
3362	Advanced Logical Sol	97 Rickenbacker Cir.	550	04/16/91	3	C
2858	Linco Electric, Inc.	61 -A Rickenbacker Cir	550	02/06/91	4	I
2795	Graduate N/C Machini	72 -A Rickenbacker Cir	550	04/17/91	4	I
2796	M&M Custom Fabricati	60 -D Rickenbacker Cir	550	04/17/91	2	I
2789	VM Products, Inc.	34 Rickenbacker Circle	550	12/27/89	3	C
2790	Pacific Parts & Equi	35 Rickenbacker Circle	550	12/27/89	1	C
2791	Edmar Engineering Co	85 Rickenbacker Circle	550	12/27/89	5	C
2848	Ideal Computer Servi	113 Rickenbacker Circl	550	02/21/90	20	I
2792	Valley Cleaners	224 Rickenbacker Circl	550	12/28/89	5	C
2859	Precision Technologi	274 Rickenbacker Circl	550	03/01/90	8	C
3415	Remco, Inc.	1001 #A Shannon Ct.	550		4	C
3266	Joe Foster Excavatin	1020 Shannon Ct.	550	02/08/91	11	C
2799	Tri Valley Shell	809 E. Stanley Blvd.	550	01/04/90	9	C
3093	Wentling Camera & Vi	1098 E. Stanley Blvd.	550	07/12/90	4	C
1971	Valley Memorial Hosp	1111 E. Stanley Blvd.	550	09/26/91	20	C
2890	K-Mart Auto Repair	1122 E. Stanley Blvd.	550	12/26/91	3	C
3188	Concannon Vineyards	4590 Tesla Rd.	550	11/01/90	8	C
3199	Wente Brothers Winer	5565 Tesla Rd.	550	11/28/90	10	C
1541	Duperly	10057 Tesla Rd.	550	01/13/88	0	Q
1476	Hexcel Corporation	10 Trevarno Rd.	550	03/03/88	164	C
1483	JAGS Diesel Inc.	61 Trevarno Rd.	550	04/04/90	8	C
2066	BFI-Vasco Rd.Sanitar	4001 N. Vasco Rd.	550	03/07/90	10	C
2053	Texaco	115 S. Vasco Rd.	550	02/08/91	3	I
2903	Kustum Steel Fabrica	355 S. Vasco Rd.	550	04/02/90	6	C
2902	L. B. Foster Co.	355 S. Vasco Rd.	550	04/02/90	2	C
2904	Salinas Reinforcing,	355 S. Vasco Rd.	550	04/02/90	35	I
1985	Davey Tree Surgery C	2617 S. Vasco Rd.	550	03/09/88	10	C
1941	Leprino Foods	6211 Vaughn Ave.	550	03/18/88	2	C
2003	Johnson Controls	6383 Vaughn Ave.	550	04/20/88	15	C
3133	Trans Western Polyme	6645 Vaughn Ave.	550	09/27/90	51	C

STATUS: C = Current

I = Inactive

Q = need Q'naire

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name Chevron SS 9-5542 Today's Date 6/11/91

Site Address 7007 San Ramon Valley Blvd
 City Dublin Zip 94568 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)

Comments:

A ground water monitoring well was installed on Dublin Blvd. Two more wells will be installed in the next few days according to the approved plan.

Chevron has failed to submit any ground water monitoring data for the past 12 months for the above site.

Please submit a work plan with a time table for future quarterly monitoring.

Please submit all ground water monitoring data to this office on a quarterly basis.

Please also submit an additional 500\$ deposit to this office for future over-sampling cost. (include with the next report).

II.A BUSINESS PLANS (Title 19)

- ___ 1. Immediate Reporting 2703
- ___ 2. Bus. Plan Sids. 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. MATLS

- ___ 10. Registration Form Filed 25533(a)
- ___ 11. Form Complete 25533(b)
- ___ 12. RMPP Contents 25534(c)
- ___ 13. Implement Sch. Req'd? (Y/N) _____
- ___ 14. OffSite Conseq. Assess. 25524(c)
- ___ 15. Probable Risk Assessment 25534(d)
- ___ 16. Persons Responsible 25534(g)
- ___ 17. Certification 25534(i)
- ___ 18. Exemption Request? (Y/N) _____
- ___ 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 testing | |
| 8) Annual Tank Testing | |
| Daily Inventory | |
| 9) Other _____ | |
| New Tanks | ___ 7. Precs Tank Test 2643 |
| | Date: _____ |
| | ___ 8. Inventory Rec. 2644 |
| | ___ 9. Soil Testing 2646 |
| ___ 10. Ground Water. 2647 | |
| ___ 11. Monitor Plan 2632 | |
| ___ 12. Access. Secure 2634 | |
| ___ 13. Plans Submit 2711 | |
| Date: _____ | |
| ___ 14. As Built 2635 | |
| Date: _____ | |

Rev 8/88

Contact: Clint Rogers
 Title: Envir. Engr.
 Signature: Clint B. Rogers

Inspector: R. Arulananthan
 Signature: Ravi

II, III

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: 6-11-91

TO: Ravi Arulananthan
Alameda Co. Envir Health
Haz. Materials
FAX NUMBER: 568-3706

FROM: Clint Rogers
Environmental Engineer
PHONE NO.: 715-842-8458
RM. NO./BLDG:

SUBJECT: Chevron SS# 9-5542, 7007 San Ramon Valley Blvd.
Dublin

REMARKS:
Adjacent Property Owner:
Mary Diamond
Real Estate Dept.
See's Candy Shops, Inc.
3423 South La Cienega Blvd.
Los Angeles, CA 90016-4401

Phone: (213) 870-3761 FAX: (213) 870-3084

NUMBER OF PAGES INCLUDING COVER

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



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 36 AM 10:36

Marketing Operations

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

January 31, 1991

Mr. Ravi Arulananphan
Alameda County
Environmental Health
80 Swan Way, Suite 200
Oakland, California 94621

Re: Chevron Service Station #9-5542
7007 San Ramon Valley Blvd.
Dublin, CA

Dear Mr. Arulananphan:

Per our conversation on January 30, 1991, regarding the status of the continued investigation at the above referenced site. We are in the final phases of executing an Easement Agreement with the adjacent property owner, See's Candies, to grant us permission to drill (2) wells on their property. A final revision has been forwarded to See's Candies for review by their legal counsel. If acceptable, See's Candies will execute the agreement. Upon receipt of the agreement, we will obtain the necessary permits and schedule drilling. I am estimating that we will be ready to begin the permitting process and schedule drilling in March, 1991. If this date should alter, for any reason, I will advise you.

Enclosed is a copy of the proposed well locations. As indicated on the map, four (4) additional wells are proposed to obtain full definition of the extent of the contamination. For your information, once the Easement Agreement is secured, Mr. Clint Rogers, Environmental Engineer, will be assuming the responsibility of continuing the investigation at this site.

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

Very Truly Yours,
C. G. Trimbach

By 
Nancy Vukelich

NLV/jmr
Enclosure

cc: Mr. Richard Hiett
RWQCB - Bay Area
1800 Harrison St., Suite 700
Oakland, CA 94612

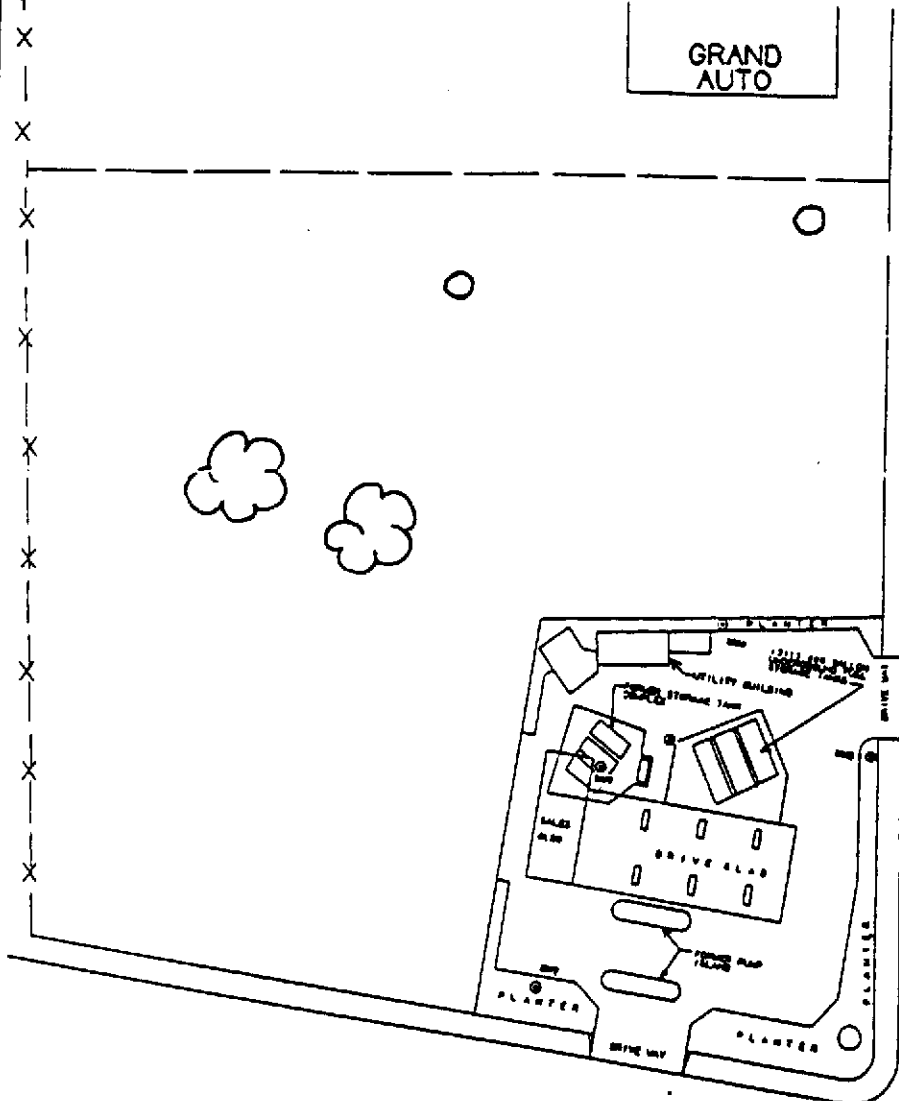
CADD
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FILE
NAME 95542-E1

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GRAND
AUTO

BOULEVARD
DUBLIN

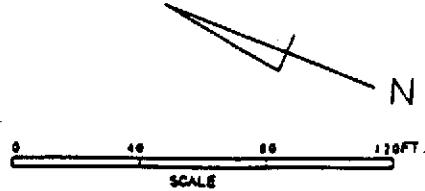
BOB'S
BIG
BOY




SAN
RAMON
ROAD

EXPLANATION

- ⊙ GROUNDWATER MONITOR WELL
- PROPOSED GROUNDWATER MONITOR WELL



 CHEMICAL PROCESSORS, INC.
950-B GILMAN STREET
BERKELEY, CALIFORNIA.

VICINITY MAP
Chevron S.S. No 9-5542
7007 San Ramon Road
Dublin California

FIGURE
1
JOB No
1196



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

11th

10 AM

90 OCT -4 PM 2:56

Marketing Operations

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

October 1, 1990

*Talked to Nancy.
See's Candies has agreed to
put wells. Chevron will
send me a report soon*

Mr. Ravi Arulananphan
Alameda County
Environmental Health
80 Swan Way, Suite 200
Oakland, California 94621

Re: Chevron SS#9-5542
7007 San Ramon Valley Blvd.
Dublin, CA

Dear Mr. Arulananphan:

Per our conversation this date regarding the status of the continued investigation at the above referenced site. To date, four (4) groundwater monitoring wells have been developed in accordance with the March 12, 1990, workplan. Based on the contaminant levels detected it was determined that additional off-site wells are required to obtain full definition of the extent of the contamination.

We have pursued obtaining an Easement Agreement with the adjacent property owner, See's Candies, to grant us permission to drill wells on their property. They have formally responded to our request denying us permission unless written notification was received from the Regional Water Quality Control Board stating that the wells must be located on their property. A copy of their response is enclosed.

I have also enclosed a copy of the proposed well locations for your review. As indicated on the map, installing the wells beyond See's Candies property could possibly provide us false plume definition.

Your assistance in this matter is greatly appreciated. If you have any questions or comments please do not hesitate to contact me at (415) 842-9581.

Very Truly Yours,
C. G. Trimbach

By *Nancy Vukelich*
Nancy Vukelich

NLV/jmr
Enclosure

cc: Mr. Donald Dalke
RWQCG - Bay Area
1800 Harrison St., Suite 700
Oakland, CA 94612

NLV rec'd 9/28

3423 SOUTH LA CIENEGA BOULEVARD
LOS ANGELES, CA 90016-4401
(213) 559-4911 - 870-3761
FAX (213) 870-3084



210 EL CAMINO REAL
SOUTH SAN FRANCISCO, CA 94080-5998
(415) 761-2490 - 583-7307
FAX (415) 875-6825

See's CANDIES

Cathy Thornberg

KITCHENS AND SHOPS CONVENIENTLY LOCATED

South San Francisco

August 16, 1990

R. H. Patterson
Property Manager
Chevron U.S.A. Inc.
P. O. Box 5004
San Ramon, California 94583-0804

Re: See's Candies Dublin Property

Dear Mr. Patterson:

While we like to be good neighbors, your August 6th request and the text of the proposed easement agreement for the indicated three groundwater monitoring wells on our Dublin property are unacceptable to us.

In addition, the easement agreement refers to a hydrocarbon contamination recovery system, but the system's location is not indicated on the map.

The only way we could agree to grant such an easement would be with something in writing from the RWQCB stating that the wells and recovery system must be located on our land and cannot be confined to your station site alone and more importantly, that we would be able to terminate the easement if we sold or otherwise developed our property.

Very truly yours,

SEE'S CANDY SHOPS, INCORPORATED

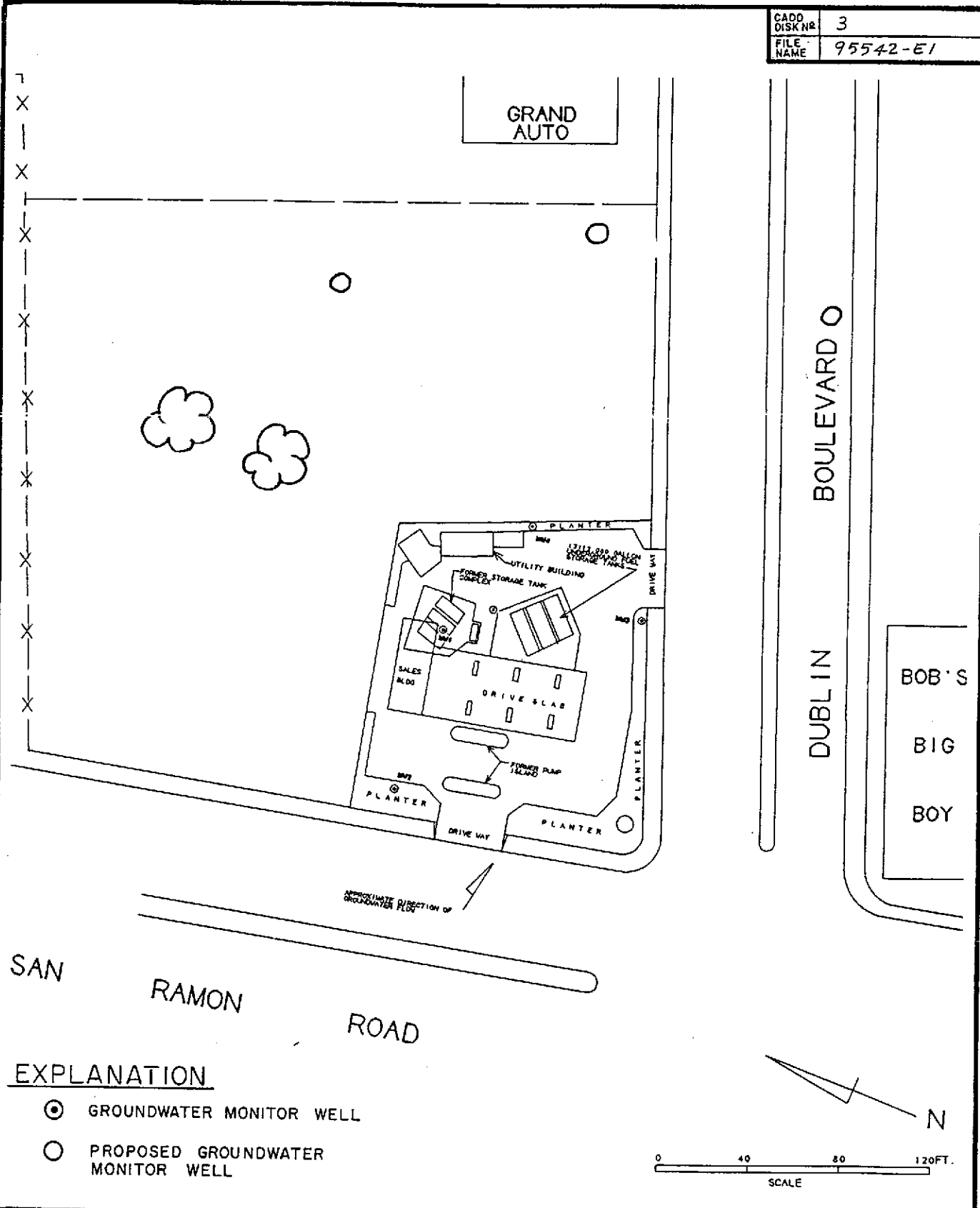
Herbert K. Cockett
Director of Real Estate
and Construction

HKC:kat

Quality
Without
Compromise
since 1921

M. Diamond (w/encl.)
D. Sisson (w/encl.)
R. E. Williams, Esq. (w/encl.)

CADD DISK NO.	3
FILE NAME	95542-E1



EXPLANATION

- ⊙ GROUNDWATER MONITOR WELL
- PROPOSED GROUNDWATER MONITOR WELL

CHEMPRO
 A Burlington Environmental Inc. Company
 CHEMICAL PROCESSORS, INC.
 950-B GILMAN STREET
 BERKELEY, CALIFORNIA.

VICINITY MAP
 Chevron S.S. No 9-5542
 7007 San Ramon Road
 Dublin California

FIGURE
 1
JOB No
 1196

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name Cherom Station Today's Date 2/13/90

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)

Site Address 7007 San Ramon Rd.

City Dublin, CA Zip 94568 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

II.B ACUTELY HAZ. MATLS

- ___ 10. Registration Form Filed 25533(a)
- ___ 11. Form Complete 25533(b)
- ___ 12. RMPP Contents 25534(c)
- ___ 13. Implement Sch. Req'd? (Y/N)
- ___ 14. OnSite Conseq. Assess. 25524(c)
- ___ 15. Probable Risk Assessment 25534(d)
- ___ 16. Persons Responsible 25534(g)
- ___ 17. Certification 25534(i)
- ___ 18. Exemption Request? (Y/N) 25536(b)
- ___ 19. Trade Secret Requested? 25538

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

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 groundwater
 - One time soils
 - 3) Daily Vadose
 - One time soils
 - Annual tank test
 - 4) Monthly Groundwater
 - One time soils
 - 5) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - Vadose/groundwater mon.
 - 6) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - 7) Weekly Tank Gauge
 - Annual tank testing
 - 8) Annual Tank Testing
 - Daily inventory
 - 9) Other _____

- ___ 7. Precs Tank Test 2643
 - Date: _____
- ___ 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 2711
 - Date: _____
 - ___ 14. As Built 2635
 - Date: _____

Comments:

Removal of four USTs at site prior to the installation of new tanks for a remodeled service station. The entire site has been razed, and piping has already been dug up and sampled.

DUBLIN BLVD

Tank #1 removed first - slight corrosion, but no sign of holes.	X #2 waste oil tank			SAN RAMON RD
	550 gal. X = SOIL SAMPLES			
	X	X	X	
	#1	#3	#4	
Tank #2 - no holes.	} 3 product tanks			
	10K	10K	4,000	
Tank #3 and 4 not removed in my presence, but were moved within hole to enable sampling	X	X	X	
	Native soil is clay; no water standing in the bottom of the pit			
Stockpiled soil has already been sampled (results appended), and some has been removed to a Class II landfill. Clearly, a lot of contaminated soil remains in pits; pending analytical results.				

Contact: Lucia Chou
 Title: Engineer (Chevron USA)
 Signature: [Signature]

Inspector: _____
 Signature: Gilbert M. Winters

II, III

FACSIMILE COVER SHEET



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:
2-9-90

TO: Name of Person, Company, Address, Facsimile Number (If Available)

John Savidge
Town & Country
FAX NUMBER (916) 392-2005

FROM:
~~Luci [unclear]~~
PHONE NO. (415) 842-9655
RM. NO./BLDG.

SUBJECT:
Dublin station soil sample result

REMARKS:

NUMBER OF PAGES INCLUDING COVER SHEET 6

If transmission is interrupted or received incomplete, please contact our Facsimile Operator: (415) 842-9530

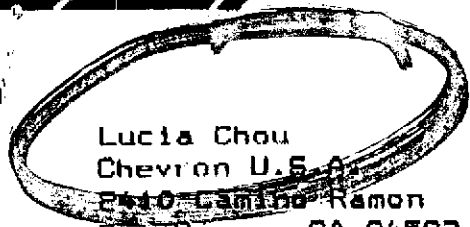
Reply by Facsimile - Dial:
(415) 842-9591

OPERATOR: _____ TIME: _____ DATE: _____
CONFIRMED BY: _____ TIME: _____ DATE: _____

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*****
*
*          *% TRANSMIT CONFIRMATION REPORT **
*
*   Journal No. : 018
*   Receiver    :          9163922005
*   Transmitter : CHEVRON USA WC MKTG.
*   Date        : Feb  9,90 15:45
*   Document    : 06 pages
*   Time        : 03'38"
*   Mode        : G3 NORMAL
*   Result      : OK
*
*****
```



February 9, 1990
Sample Log 1313



Lucia Chou
Chevron U.S.A.
2410 Camino Ramon
San Ramon, CA 94583-0804

10:20 am
2/9

Subject: Analytical Results for 7 Soil Sample(s)
Identified as: Chevron Facility at 7007 San Ramon Rd, Dublin
Received: February 8, 1990

Dear Ms. Chou:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on February 9, 1990 and describes procedures used to analyze the samples.

Samples were received in brass sleeves that were sealed with aluminum foil and plastic endcaps. Each sample was transported and received under documented chain of custody and stored at 4 degrees C until analysis was performed.

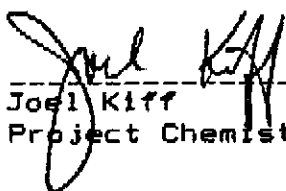
Sample(s) were analyzed for the following:

- "BTEX" (EPA Method 8020/Purge-and-Trap)
- "TPH as Gasoline" (Modified EPA Method 8015/Purge-and-Trap)

Please refer to the following table(s) for summarized analytical results and contact us if you have questions regarding procedures or results. The chain-of-custody document is enclosed.

Submitted by:

Approved by:



Joel Kiff
Project Chemist

Robert G. Smith, Ph.D.
Laboratory Director



February 9, 1990
Sample Log 1313

Table 1: 'BTEX' Results for 7 Soil Sample(s) Identified as
Chevron Facility at 7007 San Ramon Rd, Dublin
Received February 8, 1990

--all concentrations are units of mg/kg--

Sample	0.1 Benz.	10 Tol.	68 Eth.Benz.	175 Xyl.
PL1	.85	.017	.20	1.2
PL2	<.005	<.005	<.005	.012
PL3	.0095	.011	.16	.15
PL4	<.005	<.005	.16	.072
Composite 1	.36	1.7	1.1	8.7
1A				
1B				
1C				
1D				
Composite 2	.22	.58	.75	5.7
2A				
2B				
Composite 3	2.1	4.7	1.6	8.0
3A				
3B				
(Reporting Limit	.005	.005	.005	.005)



February 9, 1990
Sample Log 1313

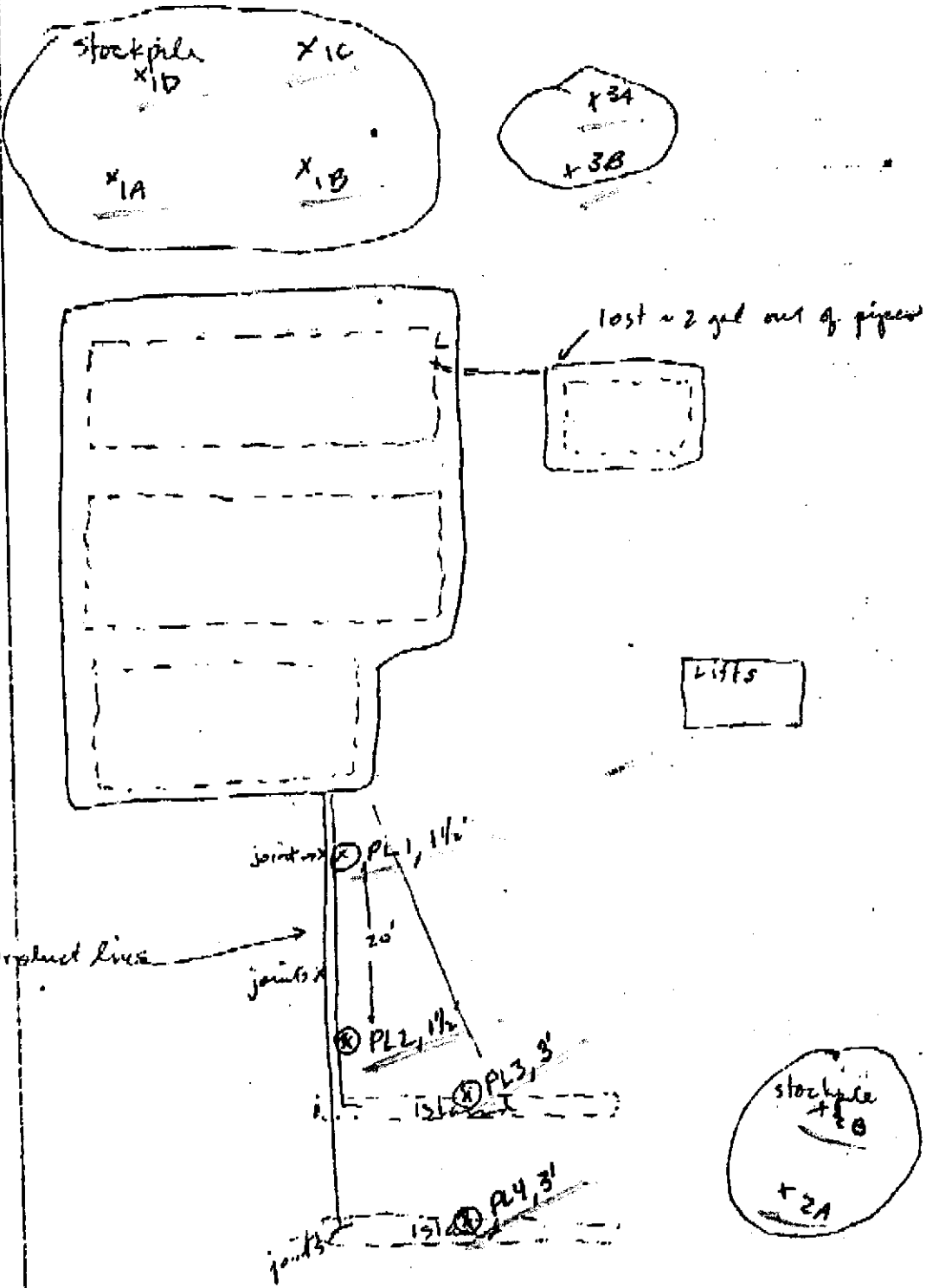
Table 2: Gasoline Results for 7 Soil Sample(s) Identified as
Chevron Facility at 7007 San Ramon Rd, Dublin
Received February 8, 1990

--all concentrations are units of mg/kg--

Sample	TPH as Gasoline	100 ppm
PL1	9.0	
PL2	<.5	
PL3	3.9	
PL4	2.8	
Composite 1	200	
1A		
1B		
1C		
1D		
Composite 2	58	
2A		
2B		
Composite 3	61	
3A		
3B		
(Reporting Limit	.5)	

2/8/90

Tank Closure at 7007 San Ramon Rd (Chevron Sta)
Sampling & Map by Joel Kiff - W.E.S.T.



copy of Lab Report and COC to Chevron Contact: Yes No

87290

Hold time Dec 9

Chain-of-Custody-Record

on U.S.A. Inc.
BOX 5004
3mon, CA 94583
415)842-9591

Chevron Facility Number 9-5542
 Facility Address 7007 SAN RAMON ROAD, DUBLIN, CA
 Consultant Project Number RCC9303
 Consultant Name GERAGHTY & MILLER, INC.
 Address 1050 MARINA WAY SOUTH, RICHMOND, CA
 Project Contact (Name) PAUL HEHN
 (Phone) (510) 233-3200 (Fax Number) (510) 233-3204

Chevron Contact (Name) CLINT ROGERS
 (Phone) _____
 Laboratory Name SUPERIOR
 Laboratory Release Number _____
 Samples Collected by (Name) MICHAEL BESSETTE
 Collection Date 11/24/92 & 11/25/92
 Signature M. M. Truitt

Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Decants	Time	Sample Preservation	Iced (Yes or No)	Analytes To Be Performed										Remarks	
							BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (8020)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)				
5	1	S	G			Yes	X											
10	1	S					X											
15	1	S					X											
20	1	S					X											
25	1	S					X											
30	1	S					X											

Please initial:
 Samples Stored in ice. _____
 Appropriate containers. _____
 Samples preserved. _____
 "O's" without headspace. _____
 Comments _____

SS

Shipped By (Signature) <u>M. Truitt</u>	Organization <u>GERAGHTY & MILLER</u>	Date/Time <u>11/15/92 1400</u>	Received By (Signature) <u>J. O'Connell</u>	Organization <u>Express-H</u>	Date/Time <u>11-25-92 1420</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days <u>As Contracted</u>
Shipped By (Signature) <u>J. O'Connell</u>	Organization <u>Express-H</u>	Date/Time <u>11-25-92 1637</u>	Received By (Signature)	Organization	Date/Time	
Shipped By (Signature) <u>[Signature]</u>	Organization <u>Express-H</u>	Date/Time <u>11/27/92</u>	Received For Laboratory By (Signature)	Organization	Date/Time <u>11/27/92</u>	

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

ACCEPTED
 DEPARTMENT OF ENVIRONMENTAL HEALTH
 475 - 27th Street, 3rd Floor
 Oakland, CA 94612
 Telephone: (415) 534-7237

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to your plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is law released for issuance of any required building permits for construction.

One copy of these accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.

Any change or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspection Department to determine if such changes meet the requirements of State and local laws.

Notify this Department of work to hours prior to following required inspections:

- _____ Removal of Tank and Piping
- _____ Sewing
- _____ Excavation

Inspection of a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.

THIS IS A VERIFICATION ONLY FOR THE
 PURPOSES OF THE HAZARDOUS MATERIALS DIVISION.

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name CHEVROW SS# 95542
 Business Owner CHEVRON U.S.A Inc.
2. Site Address 7007 SAN RAMON
 city DUBLIN CA zip 94568 Phone 415-828-2700
3. Mailing Address CHEVRON U.S.A Inc.
 city SAN RAMON CA zip 94583 Phone 415-842-9639
4. Land Owner CHEVRON U.S.A Inc.
 Address 2410 CAMINO RAMON city, State San Ramon CA zip 94583
5. EPA I.D. No. CAC 000 204 728
6. Contractor TOWN & COUNTRY CONT
 Address 117 - OTTO CIRCLE
 city SUPERMOUNTS Phone 916 392-1860
 License Type A-B1 (29,44,36,41) ID# 238112
7. Consultant ROBERT H. LEE & ASSOCIATES
 Address 1310 COMMERCE ST.
 city PETALUMA CA 94954 Phone (707) 765-1660

8. Contact Person for Investigation

Name CYNTHIA WONG Title ENGINEER

Phone 415-842-9103

9. Total No. of Tanks at facility 4

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

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Transporter

Name ERICKSON TRUCKING EPA I.D. No. CAD 009-466-392

Address 255 PARR BLVD.

City RICHMOND State CA. zip 94801

b) Rinsate Transporter

Name ERICKSON TRUCKING EPA I.D. No. CAD-009-466-392

Address 255 PARR BLVD.

City RICHMOND State CA. zip 94801

c) Tank Transporter

Name ERICKSON TRUCKING EPA I.D. No. CAD-009-466-392

Address 255 PARR BLVD.

City RICHMOND State CA. zip 94801

d) Tank Disposal Site

Name ERICKSON TRUCKING EPA I.D. No. CAD-009-466-392

Address 255 PARR BLVD.

City RICHMOND State CA. zip 94801

e) Contaminated Soil Transporter

Name ERICKSON TRUCKING EPA I.D. No. CAD-009-466-392

Address 255 PARR BLVD.

City RICHMOND State CA. zip 94801

12. Sample Collector

Name _____
 Company BLAINE TECH
 Address 1370 TULLY RD. SUITE # 505
 city SAN JOSE state CA. zip 95122 Phone 408-995-5535

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
9K gal.			
9K gal.			
4K gal.			
500 gal			

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 []

If yes, describe. 15 LBS PER 1000 GAL

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

16. Laboratories

Name ~~SEQUOIA LA~~
 Address ~~680 CHESAPEAKE~~
 city REDWOOD CITY State _____
 State Certification No. 415



#340

Joel Kiff
 Mobile Laboratory Director
 Western Environmental
 Science & Technology
 1046 Olive Drive, Suite 3
 Davis, CA 95616
 916 753-9500

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
LOW/MEDIUM B.P. HYDROCARBONS BENZENE TOLUENE ETHYL BENZENE XYLENES	EPA 5030 OR 3810/8015/8020	
TOTAL OIL & GREASE	413.2 (I.R.)	
CADMIUM CHROMIUM LEAD ZINC	LAB # 905-0155	

18. Submit Site Safety Plan

19. Workman's Compensation: Yes No

Copy of Certificate enclosed? Yes No

Name of Insurer FRENCH COMP.

20. Plot Plan submitted? Yes No

21. Deposit enclosed? Yes 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) GIL EDMASIAN
Signature *Gil Edmasian*
Date 2-9-90

Signature of Site Owner or Operator

Name (please type) Victor J. Ortega
Signature *Victor J. Ortega*
Date 7/8/89

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

ATTACHMENT A
SAMPLING RESULTS

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

ROBERT H. LEE & ASSOCIATES
1310 Commerce Street
PETALUMA, CALIFORNIA 94952

MEMO

(707) 765-1660

TO

MR. WISTAR

DATE	10-2-89
SUBJECT	DUBLIN 8208

GIL,
PER YOUR CONVERSATION W/ BRUCE GREENFIELD TODAY
I'M SENDING YOU (3) COPIES OF A CLOSURE PLAN
PARTIALLY FILLED UP, FOR YOUR USE. WE WILL SEND YOU
ANOTHER COPY AFTER WE HAVE SELECTED THE CONTRACTOR.
ENCLOSED ALSO PLEASE FIND (3) PRINTS OF EACH OF THE
SITE PLAN (A-1), DEMOLITION PLAN (D-1) & SURVEY (SHT. 2) &
A CHECK FOR \$ 663.00 FOR THE DEPOSIT

IF YOU NEED ANY ADDL INFORMATION PLEASE CALL ME,

PLEASE REPLY

NO REPLY NECESSARY

SIGNED

Helen P. Loreto

HELEN P. LORETO