



RECEIVED

1:01 pm, Sep 04, 2007

Alameda County
Environmental Health

Satya P. Sinha
Project Manager
Retail and Terminal
Business Unit

Chevron Environmental
Management Company
6001 Bollinger Canyon Road,
Room K2256
San Ramon, CA 94583
Tel (925) 842-9876
Fax (925) 842-8370
satyasinha@chevron.com

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

RE: Chevron Service Station # 9-0121

Address 3026 Lakeshore Ave., Oakland, CA

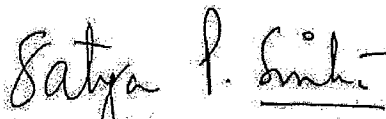
I have reviewed the attached report dated August 31, 2007.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Cambria Environmental Technology, Inc., upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b) (1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,


Satya P. Sinha

Attachment: Report



**CONESTOGA-ROVERS
& ASSOCIATES**

5900 Hollis Street, Suite A, Emeryville, California 94608
Telephone: 510-420-0700 Facsimile: 510-420-9170
www.CRAworld.com

August 31, 2007

Mr. Barney Chan
Alameda County Department of Environmental Health (ACDEH)
1131 Harbor Bay Parkway
Alameda, CA 94502

Re: **Response to Comments**
Chevron Station 9-0121
3026 Lakeshore Avenue
Oakland, California
Fuel Leak Case No. RO000284

Dear Mr. Chan:

Conestoga-Rovers & Associates (CRA) has prepared this letter report in response to the ACDEH letter, dated July 27, 2007 (Attachment A), on behalf of Chevron Environmental Management Company (Chevron) for the site referenced above. The ACDEH letter requested the following:

1. To provide options and/or recommendations for remediation onsite;
2. Provide documentation of compliance of the current Underground Storage Tanks (UST) system; and
3. Provide information regarding monitoring well MW-7.

1) Onsite remediation actions:

CRA and Chevron have reviewed the site data and believe that onsite remediation is not necessary due to decreasing hydrocarbon concentration trends observed in onsite wells, including both monitoring wells along the neighboring property line. Trend graphs for wells MW-1 and MW-9 are included in Attachment B.

Since 2005, groundwater flow beneath the site has been calculated as either to the northeast or variable, with groundwater mounding in the vicinity of the southwestern property line. This is the property line between the station and the neighboring property with the basement sump, owned now by the Catholic Diocese of Oakland (Diocese). Previous tenants of the adjacent building had notified Chevron of odors in the basement of the building, so Chevron contracted to have a plastic barrier installed between the site and the Diocese building in 1985. Since then, Chevron has no records of notification about odors in the basement from the Diocese until contact was made to discuss sampling of the sump per the letter from ACDEH dated August 1, 2006 (Attachment C). With only a single sampling event, there is no evidence that groundwater concentrations are increasing due to hydrocarbons

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**CONESTOGA-ROVERS
& ASSOCIATES**

Mr. Barney Chan
August 31, 2007

migrating offsite, therefore we recommend including the basement sump in the quarterly monitoring program currently performed at the site. Once there is repeatable data from the sump, Chevron will re-evaluate if any onsite remediation is necessary. Chevron also believes more investigation into the purpose of the basement sump in the neighboring building is necessary. If the sump is not actively removing accumulated groundwater from the basement, then Chevron proposes to plug the sump to alleviate water infiltration and possible odors from groundwater.

2) Documentation of compliance of the current UST system:

Documentation from the City of Oakland Fire Services Agency indicates that the USTs are in compliance. A copy of the permit to operate is presented in Attachment C.

3) Monitoring well MW-7:

George Bolton of the Alameda County Public Works Agency has provided an email to ACDEH stating that ACPWA destroyed well MW-7 during culvert upgrades along Lakeshore Avenue in Oakland. This work was performed in 2005-2006. CRA, at the time, was not aware that the upgrade work was being performed or that the well had been destroyed.



**CONESTOGA-ROVERS
& ASSOCIATES**

Mr. Barney Chan
August 31, 2007

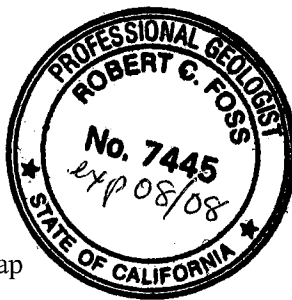
CLOSING

If you would like to discuss this site further, please contact Charlotte Evans at (510) 420-3351 or Satya Sinha of Chevron at (925) 842-9876.

Sincerely,
Conestoga-Rovers & Associates

Charlotte Evans

Robert Foss, P.G. #7445



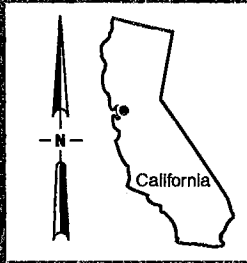
Figures: 1 – Vicinity Map
 2 – Siteplan

Attachments: A – ACDEH Correspondence dated July 27, 2007
 B – Trend Graphs
 C – ACDEH Correspondence dated August 1, 2006
 D – UST Compliance Report

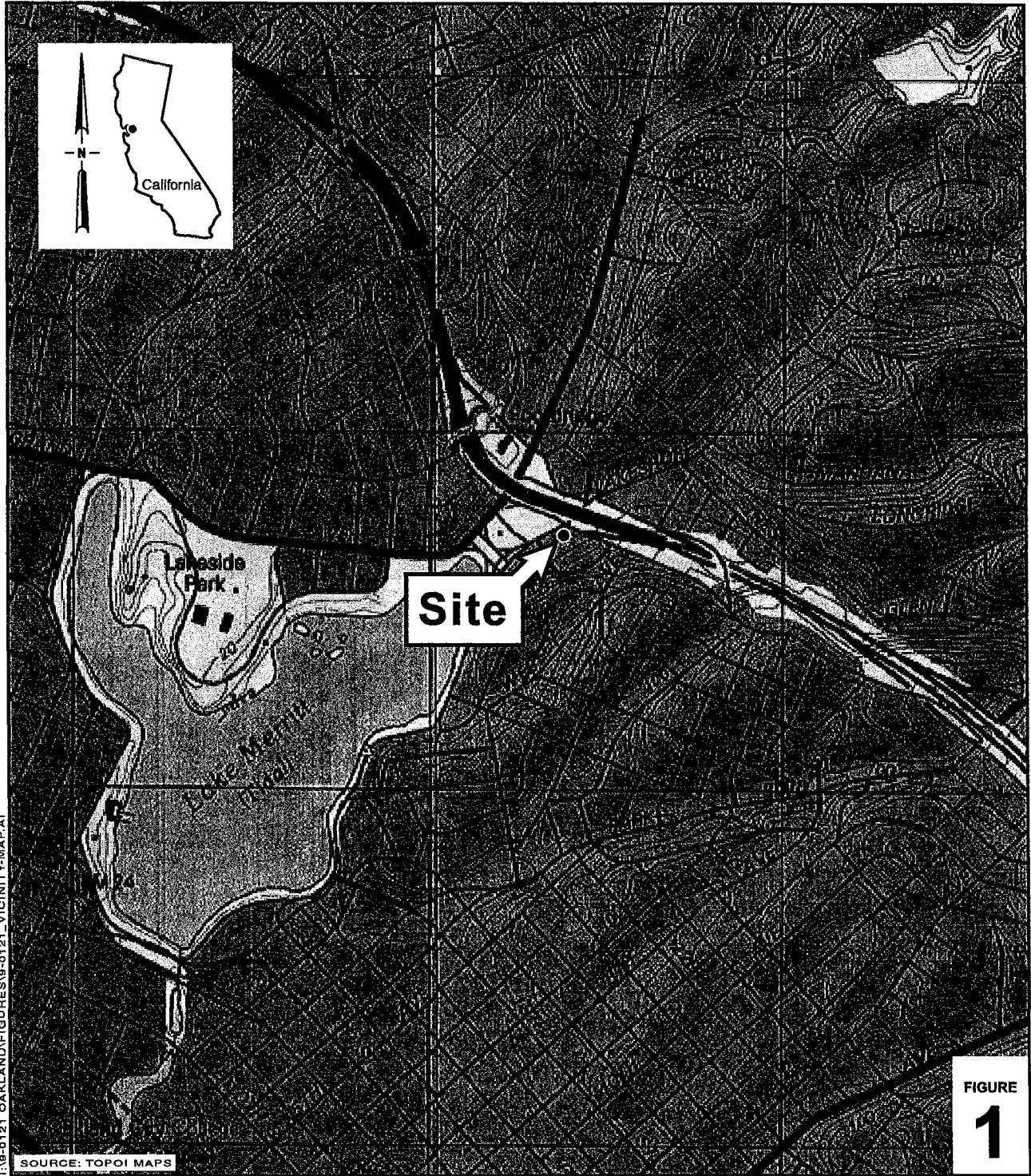
cc: Mr. Satya Sinha, Chevron Environmental Management Company, P.O. Box 6012,
 San Ramon, CA 94583
 Mr. Todd Maiden, ReedSmith, Two Embarcadero Center, Suite 2000, San Francisco, CA 94111
 Mr. Jim McCann, Diocese of Oakland, Facilities Planning & Services, 2900 Lake Shore Avenue,
 Oakland, CA 94610
 Mr. Donald Ashton, Bureau Veritas North America, Inc., 6920 Koll Center Parkway, Suite 216,
 Pleasanton, CA 94566

I:\Chevron\9-0121 Oakland\9-0121 Response to Comments.08.07.doc

Conestoga-Rovers & Associates (CRA) prepared this document for use by our client and appropriate regulatory agencies. It is based partially on information available to CRA from outside sources and/or in the public domain, and partially on information supplied by CRA and its subcontractors. CRA makes no warranty or guarantee, expressed or implied, included or intended in this document, with respect to the accuracy of information obtained from these outside sources or the public domain, or any conclusions or recommendations based on information that was not independently verified by CRA. This document represents the best professional judgment of CRA. None of the work performed hereunder constitutes or shall be represented as a legal opinion of any kind or nature.

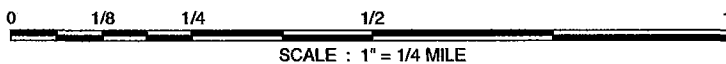


I:\9-0121 OAKLAND\FIGURES\9-0121_VICINITY-MAP.A1



SOURCE: TOPOI MAPS

FIGURE
1



SCALE : 1" = 1/4 MILE

Chevron Service Station 9-0121

3026 Lakeshore Avenue

Oakland, California



**CONESTOGA-ROVERS
& ASSOCIATES**

Vicinity Map

| EXPLANATION | |
|-------------|------------------------------------|
| MW-1 | Monitoring well location |
| MW-2 | Destroyed monitoring well location |

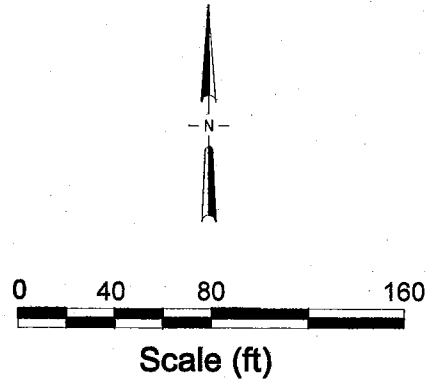
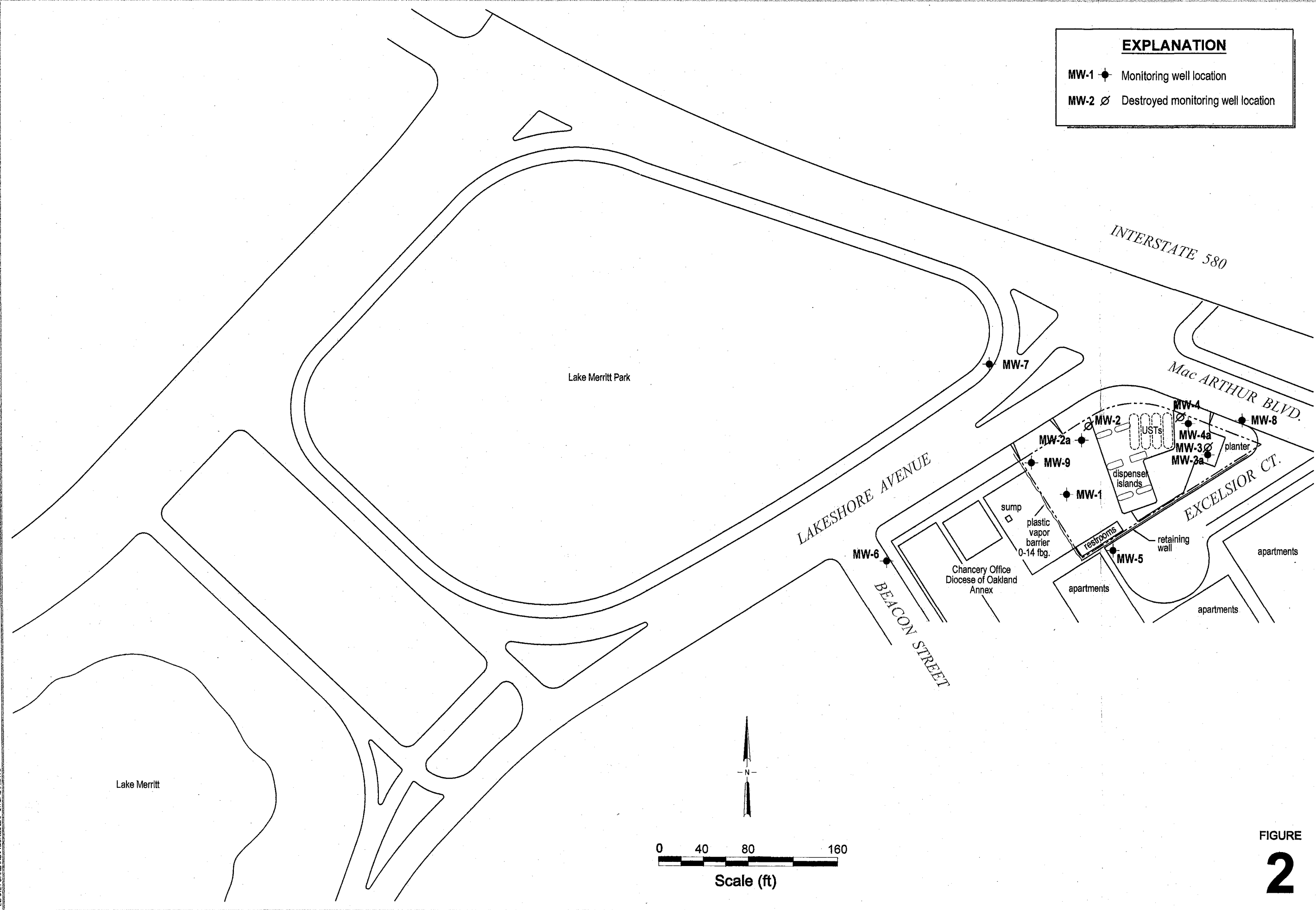


FIGURE 2

Site Plan



CONESTOGA-ROVERS & ASSOCIATES

Chevron Service Station 9-0121
3026 Lakeshore Avenue
Oakland, California

149-0121 OAKLANDFIGURES-EXP-SITEPLAN.DWG



**CONESTOGA-ROVERS
& ASSOCIATES**

ATTACHMENT A

ACDEH Correspondence Dated July 27, 2007

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



July 27, 2007

Mr. Satya Sinha
Chevron Environmental Management Company
6001 Bollinger Canyon Rd., Room K2256
San Ramon, CA 94583

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

Dear Mr. Sinha:

Subject: Fuel Leak Case RO0000284 & Global ID T0600100328 , Chevron Station
9-0121, 3026 Lakeshore Avenue, Oakland, CA 94610

Alameda County Environmental Health (ACEH) staff has recently reviewed the case file for the subject site including the July 11 and 24, 2007 groundwater sampling reports. The July 24, 2007 report provides the analytical results from the sampling of water from the basement sump in an adjacent property. The location of this sump was not noted on the figure within this report. Please indicate this location in future figures. This groundwater sample detected 1300 ppb TPHg, 830 ppb TPHd, low levels of BTEX, 28 ppm MTBE, 130 ppb ethanol and 12 ppb TBA. Based upon these results, it appears the plastic liner placed along the down-gradient property boundary is not preventing groundwater migration. It also does not appear to be redirecting groundwater flow. We previously requested that you consider recommending on-site remediation. We also requested you locate and properly decommission off-site well MW-7. We have not heard any response to these requests. Please address the following technical comments and submit the technical report requested below.

TECHNICAL COMMENTS

1. Off-site Building Impacts- Our office believes the presence of petroleum contaminated water in the neighboring building sump should be prevented by initiating on-site remediation at your site. Please provide options and your recommendation for remediation. Please verify that the current UST system is currently in compliance by contacting the OFD and reviewing the latest inspection reports for these USTs. Please submit these reports as requested below.
2. MW-7 Status- Monitoring well MW-7 has either been unable to be located or paved over for a long period of time. We request that you locate and properly decommission this well as it has and does not add any additional information or understanding to the site. Please indicate when this well will be decommissioned.

TECHNICAL REPORT REQUEST

Please submit the following reports according to the following schedule:

- August 31, 2007- Report on On-site Remediation Actions, Inspection Reports for USTs and Schedule for Decommissioning of MW-7.

ELECTRONIC SUBMITTAL OF REPORTS

Effective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Please do not submit reports as attachments to electronic mail.

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. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. 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 monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements ([http://www.swrcb.ca.gov/ust/cleanup/electronic reporting](http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting)).

In order to facilitate electronic correspondence, we request that you provide up to date electronic mail addresses for all responsible and interested parties. Please provide current electronic mail addresses and notify us of future changes to electronic mail addresses by sending an electronic mail message to me at barney.chan@acgov.org.

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

Mr. Satya Sinha
Chevron 9-0121, 3026 Lakeshore Ave.
Page 3 of 3

UNDERGROUND STORAGE TANK CLEANUP FUND

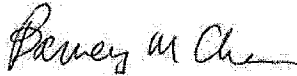
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

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

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: files, D. Drogos

Mr. Robert Foss, Cambria, 5900 Hollis St., Suite A, Emeryville, CA 94608

7_27_07 3026 Lakeshore Ave

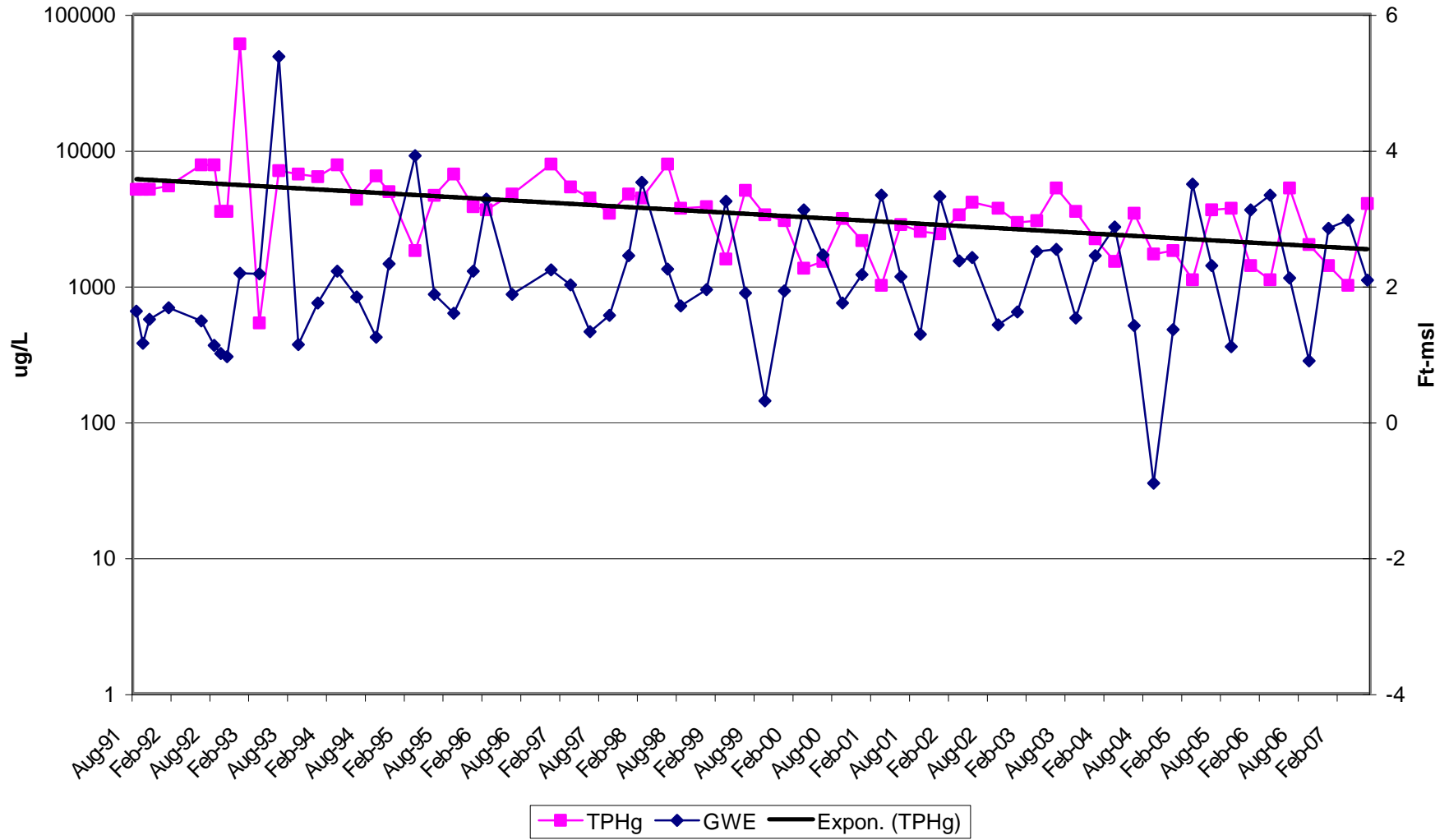


**CONESTOGA-ROVERS
& ASSOCIATES**

ATTACHMENT B

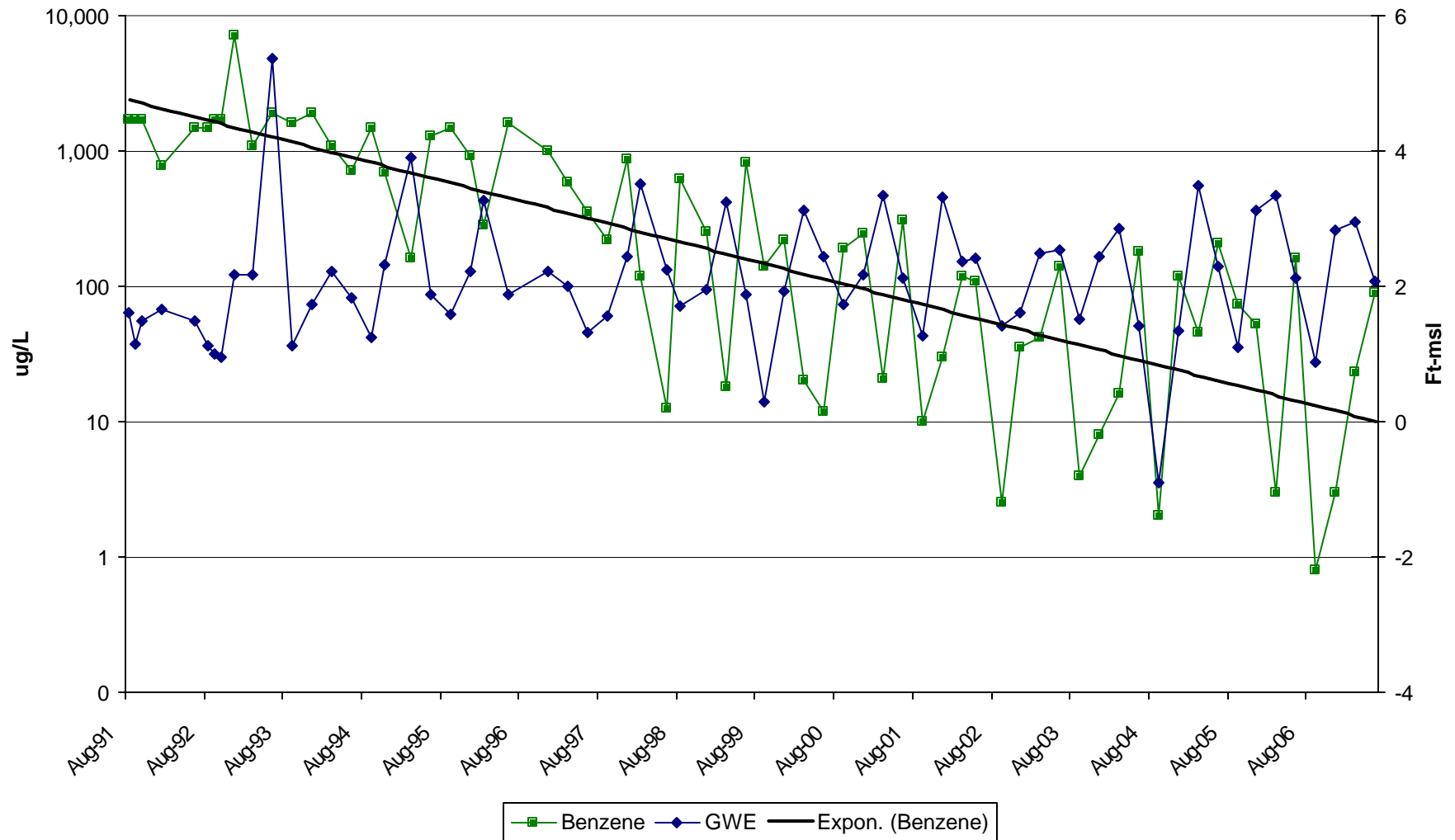
Trend Graphs for Wells MW-1 and MW-9

TPHg versus Time MW-1
Chevron service Station 9-0121
3026 Lakeshore Avenue Oakland

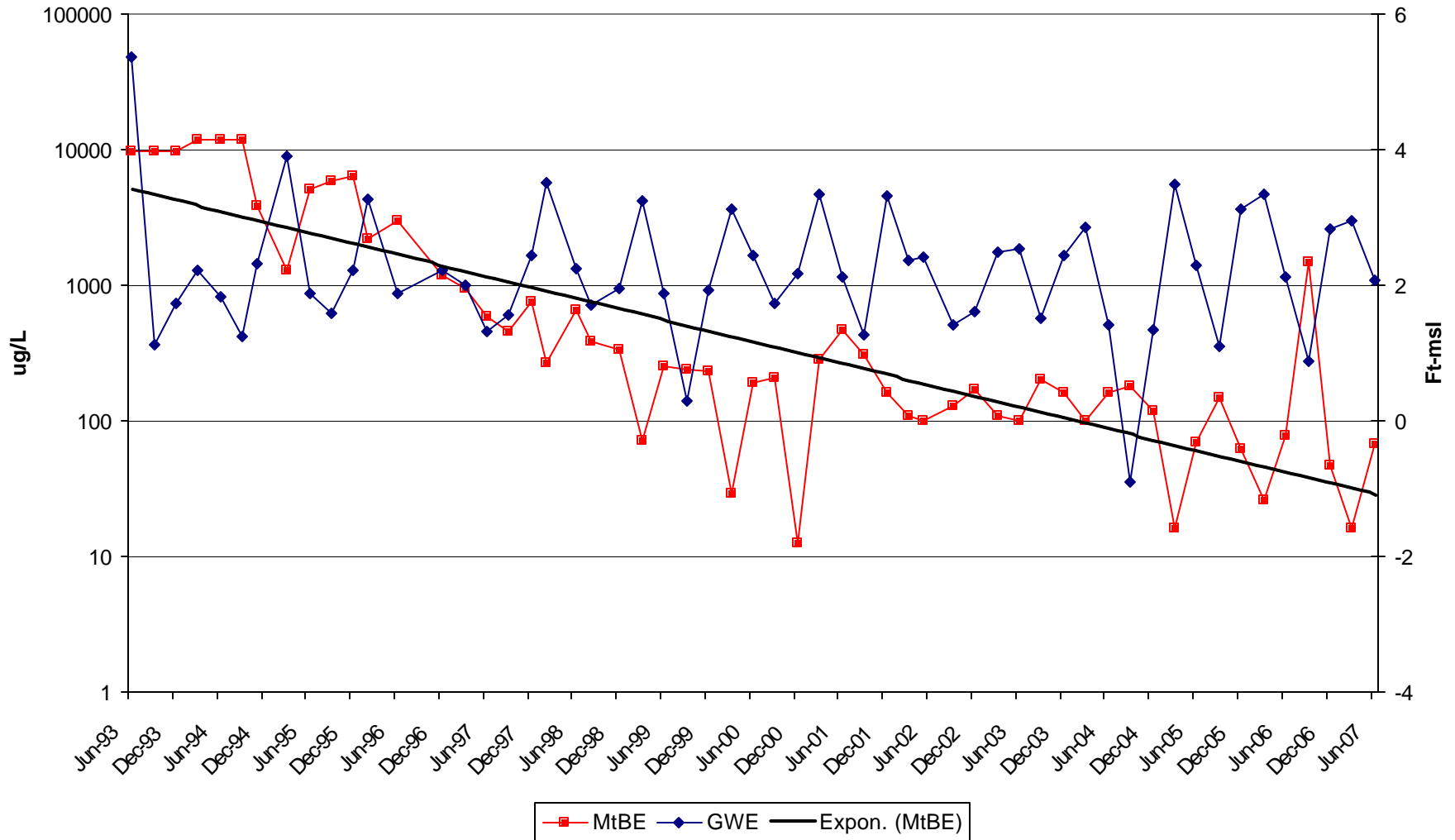


Benzene versus Time MW-1

Chevron service Station 9-0121
3026 Lakeshore Avenue Oakland

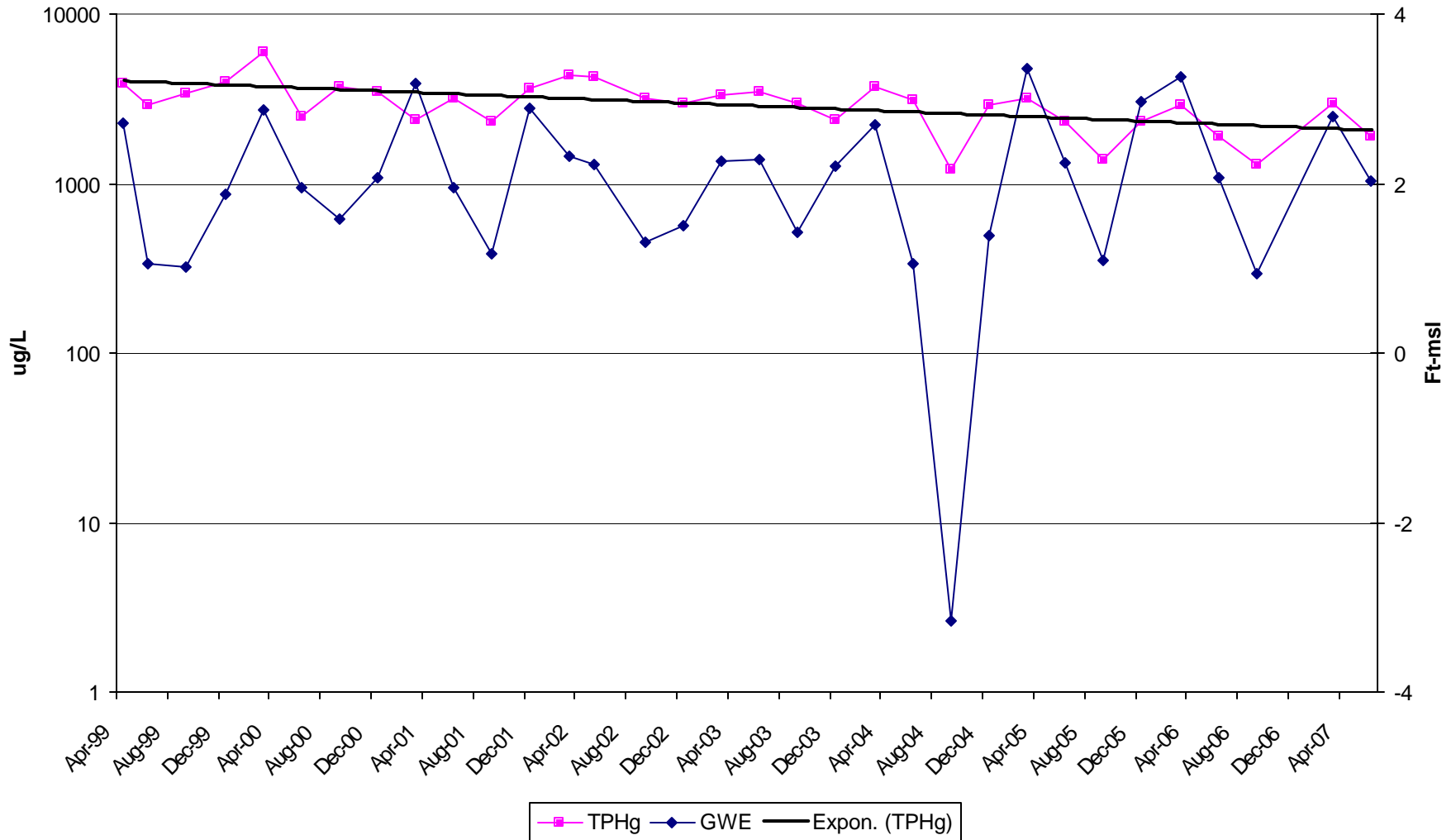


MtBE versus Time MW-1
 Chevron service Station 9-0121
 3026 Lakeshore Avenue Oakland



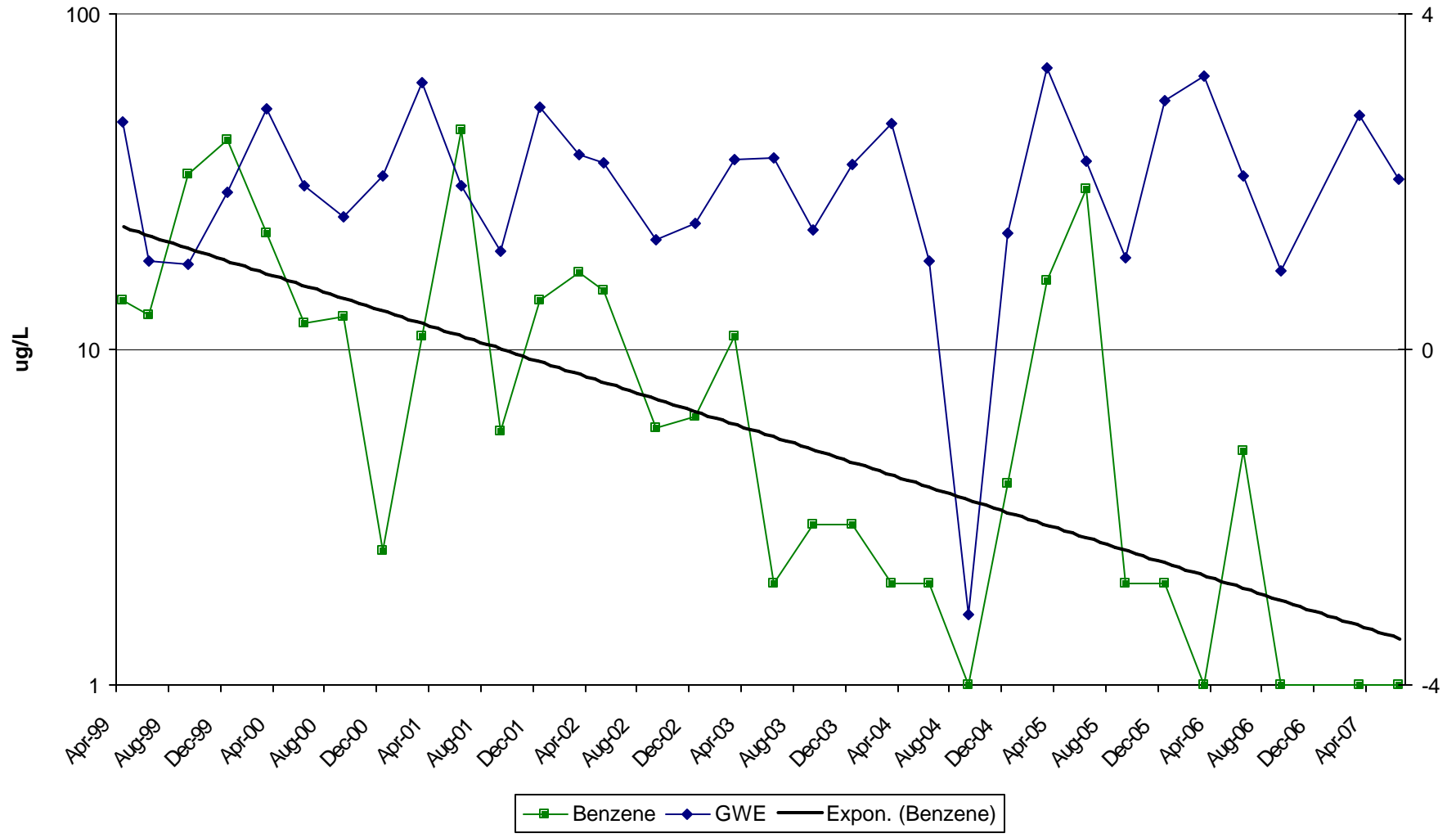
TPHg versus Time MW-9

Chevron service Station 9-0121
3026 Lakeshore Avenue Oakland



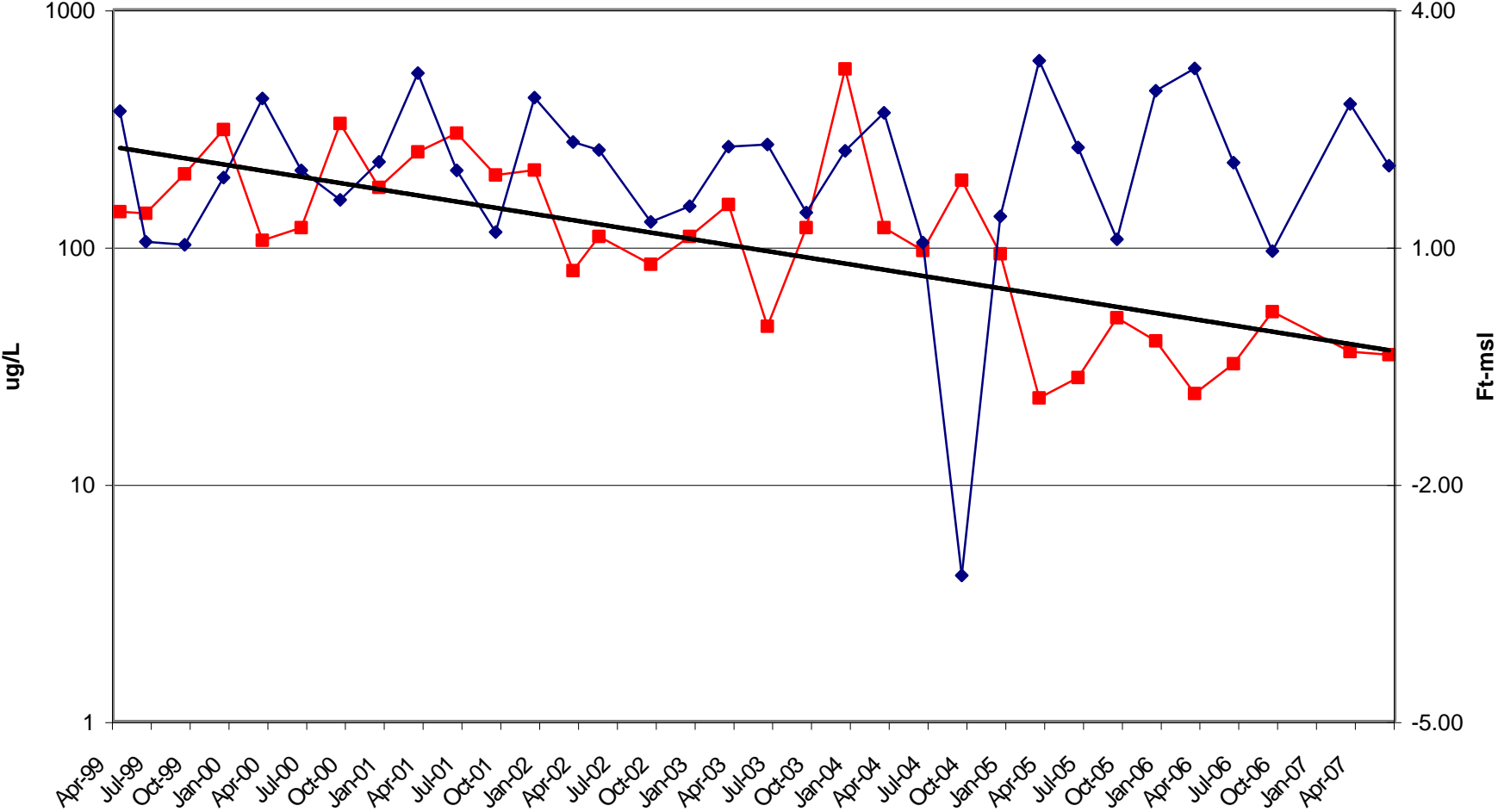
Benzene versus Time MW-9

Chevron service Station 9-0121
3026 Lakeshore Avenue Oakland



MtBE versus Time MW-9

Chevron service Station 9-0121
3026 Lakeshore Avenue Oakland



—■— MtBE —◆— GWE — Expon. (MtBE)



**CONESTOGA-ROVERS
& ASSOCIATES**

ATTACHMENT C

ACDEH Correspondence dated August 1, 2006

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



Bds

October 1, 2006

AUG - 4 2006

ENVIRONMENTAL HEALTH SERVICES

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

Mr. Satya Sinha
Chevron Environmental Management Company
6001 Bollinger Canyon Rd., Room K2256
San Ramon, CA 94583

Dear Mr. Sinha:

Subject: Fuel Leak Case RO0000284, Chevron Station 9-0121, 3026 Lakeshore Avenue, Oakland, CA

Alameda County Environmental Health (ACEH) staff has recently reviewed the case file for the subject site including the June 1, 2006 Subsurface Investigation Work Plan prepared by Cambria. The objective of the investigation is to determine the extent of petroleum hydrocarbons in soil and groundwater by advancing four soil borings to the northwest of the site. We request that you address the following technical comments when performing this work and submit the technical report requested below.

TECHNICAL COMMENTS

1. Off-site Building Impacts- Our office still has concerns regarding exposure of petroleum hydrocarbons to the neighboring building given the presence of a basement. Not much is known about the plastic vapor barrier installed along the site and the adjacent property boundary. Therefore, we request that Chevron continue to inspect/monitor the basement of the adjacent property on a semi-annual basis. Both liquid and soil vapors should be sampled and analyzed for petroleum hydrocarbons, if present. Please include the results of this inspection in your monitoring reports with a recommendation for on-site remediation if necessary.
2. MW-7 Status- Monitoring well MW-7 has either been unable to be located or paved over for a long period of time. We request that you locate and properly decommission this well as it has and does not add any additional information or understanding to the site.
3. Vertical Extent of Contamination- We request that you extend the proposed borings to at least 20' bgs to determine if high permeable lens are continuous beneath the nearby properties. If a deep permeable lens exists, we request that you sample groundwater and analyze for the same constituents as for the other samples. Soil samples should be screened at five foot intervals and analyzed if PID results indicate contamination.
4. Analytes- Please add the other oxygenates, TAME, ETBE, DIPE, TBA and EDB and EDC to the proposed list of analytes.

TECHNICAL REPORT REQUEST

Please submit your soil and groundwater report 60 days after completion of field activities.

Mr. Satya Sinha
Chevron 9-0121, 3026 Lakeshore Ave.
Page 2 of 3

ELECTRONIC SUBMITTAL OF REPORTS

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In order to facilitate electronic correspondence, we request that you provide up to date electronic mail addresses for all responsible and interested parties. Please provide current electronic mail addresses and notify us of future changes to electronic mail addresses by sending an electronic mail message to me at barney.chan@acgov.org.

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

Mr. Satya Sinha
Chevron 9-0121, 3026 Lakeshore Ave.
Page 3 of 3

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.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

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

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: files, D. Drogos
Mr. Robert Foss, Cambria, 5900 Hollis St., Suite A, Emeryville, CA 94608

8_1_06 3026 Lakeshore Ave



**CONESTOGA-ROVERS
& ASSOCIATES**

ATTACHMENT D

UST Compliance Report

STID#

CITY OF OAKLAND FIRE SERVICES AGENCY Issue Date April 26, 2005
UNDERGROUND STORAGE TANK OPERATING PERMIT Expir. Date April 26, 2010

This permit is issued to the underground storage tank owner. It must be kept at the UST location at all times.

An application for the renewal of this permit must be filed with this office prior to the expiration date.

UST Facility Name **Chevron SS #90121** Address (Tank Location) **3026 Lakeshore Ave., Oakland, CA 94610** Phone (510) 839-3251
Tank Owner's Name **Chevron Products Company** Address **P.O. Box 6004, San Ramon, CA 94583** Phone (510) 842-7002
Tank Operator's Name **Luch Lung** Address **3026 Lakeshore Ave., Oakland, CA 94610** Phone (510) 978 2160

Total Number of USTs 4 24-Hour Emergency Contact Person **Luch Lung** Phone (510) 978- 2160
Emergency/Spill Response Plan- Yes Certification of Financial Responsibility- Yes
BOE # **TY HQ-44 031913** Current Plot Plan Yes

| | Tank #1 | Tank #2 | Tank #3 | Tank #4 |
|--------------------------------|--------------------|--------------------|--------------------|--------------------|
| State UST I.D. | 031913-073901 | 031913-073902 | 031913-073903 | 031913-073904 |
| Capacity (gallons) | 10,000 | 10,000 | 10,000 | 10,000 |
| Hazardous Substance stored | Motor Vehicle Fuel | Motor Vehicle Fuel | Motor Vehicle Fuel | Motor Vehicle Fuel |
| Monitoring method for tank | ATG | ATG | ATG | ATG |
| Frequency | Monthly | Monthly | Monthly | Monthly |
| Alarm? | Visible/Audible | Visible/Audible | Visible/Audible | Visible/Audible |
| Tank Integrity Test | None | None | None | None |
| Monitoring method for piping | Line Leak Detector | Line Leak Detector | Line Leak Detector | Line Leak Detector |
| Frequency? | Continuous/Hourly | Continuous/Hourly | Continuous/Hourly | Continuous/Hourly |
| Alarm? | Visible/Audible | Visible/Audible | Visible/Audible | Visible/Audible |
| Slow Flow? | | | | |
| Pump Shutdown? | Yes | Yes | Yes | Yes |
| Piping Precision Test | None | None | None | None |
| Overfill | Auto Shutoff | Auto Shutoff | Auto Shutoff | Auto Shutoff |
| Spill Container/Size (gallons) | 5 | 5 | 5 | 5 |
| Cathodic Protection | | | | |
| Corrosion Protection | Fiberglass | Fiberglass | Fiberglass | Fiberglass |

This operating permit is subject to the following conditions:

1. All applicable state UST requirements contained in the California Code of regulations, Title 23, Division 3, Chapters 16 and 18, the California Health & Safety Code, Division 20, Chapters 6.7 and 6.75, and all applicable local requirements.
2. The owner or operator must report any unauthorized releases to the environment to Fire Services Agency, Office of Emergency Services within 24 hours after the release has been detected or should have been detected. [call (510)238-3938 M-F from 8 to 5, and (510) 444-3322 after hours]. The owner or operator must comply with the approved routine monitoring and response plans attached to this permit.
3. The owner or operator shall comply with all site investigation and/or remedial action orders required by the lead implementing agency. Monitoring and maintenance records shall be maintained on-site for 3 years.

Issued by *V. John*

Date *4/26/05*