

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

April 14, 2006

Denis Brown
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039

Fidel Casillas
2910 East 16th Street
Oakland, CA 94601

Subject: Fuel Leak Case No. RO0000305, Shell, 2001 Fruitvale Avenue, Oakland, CA

Dear Mr. Brown and Mr. Casillas:

Alameda County Environmental Health (ACEH) and California Regional Water Quality Control Board staff have reviewed the fuel leak case file and case closure summary for the above-referenced site and concur that no further action related to the underground storage tank fuel release is required at this time. Prior to issuance of a remedial action completion certificate, the monitoring wells at the site are to be properly destroyed, should the monitoring wells have no further use at the site. Please decommission the monitoring wells and provide documentation of the well decommissioning to this office. A remedial action completion certificate will be issued following receipt of the documentation.

Well destruction permits may be obtained from the Alameda County Public Works Agency (<http://www.acgov.org/pwa/wells/index.shtml>). If you have any questions, please call me at (510) 567-6791.

Sincerely,

Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Ana Friel, Cambria Environmental Technology, Inc., 270 Perkins Street, Sonoma, CA 95476

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



SENT
02-09-06

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

February 8, 2006

Denis Brown
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039

Fidel Casillas
2910 East 16th Street
Oakland, CA 94601

Subject: Fuel Leak Case No. RO0000305, Shell, 2001 Fruitvale Avenue, Oakland, CA

Dear Mr. Brown and Mr. Casillas:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above referenced site, including the reports entitled, "Groundwater Monitoring Report – Fourth Quarter 2005," dated December 27, 2005, and "Second Quarter 2004 Monitoring Report," dated June 25, 2004. Both reports were prepared on behalf of Shell by Cambria Environmental Technology, Inc. The June 25, 2004 "Second Quarter 2004 Monitoring Report" includes a request for case closure.

Continued groundwater monitoring is no longer required by ACEH for this site and may be discontinued while the site is further evaluated for case closure. No additional technical reports are required at this time unless directed by ACEH in future correspondence.

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) 567-6791.

Sincerely,

Jerry Wickham, P.G.
Hazardous Materials Specialist

Denis Brown
Fidel Casillas
February 8, 2006
Page 2

cc: Ana Friel
Cambria Environmental Technology, Inc.
270 Perkins Street
Sonoma, CA 95476

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



SENT
7-14-05

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
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July 13, 2005

Denis Brown
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039

Fidel Casillas
2910 East 16th Street
Oakland, CA 94601

Subject: Fuel Leak Case No. RO0000305, Shell, 2001 Fruitvale Avenue, Oakland, CA – Reply to Request for Closure

Dear Mr. Brown and Mr. Casillas:

Alameda County Environmental Health (ACEH) staff has reviewed the case file and the reports entitled, "Groundwater Monitoring Report - First Quarter 2005," dated April 13, 2005 and "Second Quarter 2004 Monitoring Report," dated June 25, 2004, prepared on behalf of Shell by Cambria Environmental Technology, Inc. The June 25, 2004 "Second Quarter 2004 Monitoring Report" includes a recommendation for a reduction in groundwater monitoring frequency to annual sampling and a request for case closure. This site was also discussed during a meeting on June 8, 2005 in the ACEH offices between Denis Brown of Shell, Matt Derby, Ana Friel, and David Gibbs of Cambria Environmental Technology, Inc., and Donna Drogos and Jerry Wickham of ACEH.

Based on staff review of the case file and the documents referenced above, the case cannot be closed at this time. We request that you address the following technical comments, perform the proposed work, and send us the reports described below. Case closure may be considered in the future after the issues discussed in the technical comments below are addressed and the additional work requested below is performed.

TECHNICAL COMMENTS

1. **First Quarter 2005 Results for Well MW-2.** The concentration of total petroleum hydrocarbons as gasoline (TPHg) was consistently below 200 micrograms per liter ($\mu\text{g/L}$) in groundwater samples collected from well MW-2 between May 1, 2003 and April 1, 2004. The concentration of TPHg in well MW-2 increased from 150 $\mu\text{g/L}$ during the April 1, 2004 sampling event to 1,600 $\mu\text{g/L}$ in the January 13, 2005 sampling event. ACEH is concerned with this ten-fold increase in TPHg concentrations. As described in comment 4 below, we request that two additional quarterly monitoring events be conducted to assess the increase in TPHg concentrations in well MW-2.
2. **Groundwater Flow Directions.** The hydraulic gradient observed at the site has varied significantly over time from west to northeast. Please include rose diagrams on all future

groundwater elevation contour maps to show the variations in hydraulic gradient over time. Future monitoring reports should include a discussion of potential effects of variations in groundwater flow directions and water level elevations on monitoring results.

3. **Former Waste Oil Tank.** Chlorinated solvents and elevated concentrations of total recoverable hydrocarbons, total extractable hydrocarbons, and total purgeable hydrocarbons were detected in a groundwater sample collected from boring SBA-W, which is located near a former waste oil tank in the northern portion of the site. The hydraulic gradient at the site has varied from west to northeast but a hydraulic gradient to the north was observed in April 2004. If the groundwater flow direction is to the north, no monitoring wells are in a downgradient location to monitor releases from the area of the former waste oil tank. Please address this issue in the Response to Agency Comments requested below.
4. **Groundwater Monitoring.** Quarterly groundwater monitoring is to be implemented for the three groundwater monitoring wells at the site for a minimum of two quarters. As discussed in comment 1 above, the increase in TPHg concentrations in well MW-2 is to be re-evaluated based on results from the additional groundwater monitoring. Groundwater samples are to be analyzed for TPHg, benzene, toluene, ethylbenzene, xylenes, MTBE, and fuel oxygenates using EPA Method 8260B. The groundwater samples are also to be analyzed for TPH as diesel using EPA Method 8015M. Groundwater samples from well MW-1 are also to be analyzed for chlorinated solvents using EPA Method 8260B.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Mr. Jerry Wickham), according to the following schedule:

- **October 15, 2005** – Response to Agency Comments and Quarterly Report for the Third Quarter 2005
- **January 15, 2006** - Quarterly Report for the Fourth Quarter 2005

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.

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.

Denis Brown
Fidel Casillas
July 13, 2005
Page 3

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

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) 567-6791.

Sincerely,



Jerry Wickham, P.G.
Hazardous Materials Specialist

cc: Ana Friel
Cambria Environmental Technology, Inc.
270 Perkins Street
Sonoma, CA 95406

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



102302

December 20, 2002

Ms. Karen Petryna
Shell Oil Products US
P.O. Box 7869
Burbank, CA 91501-7869

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

Dear Ms. Petryna:

Subject: Fuel Leak Case RO0000305, 2001 Fruitvale Ave., Oakland, CA 94601

Alameda County Environmental Health, Local Oversight Program (LOP), has reviewed the case file for the referenced site including the September 23, 2002 Agency Response, Closure Request, and Contingency Work Plan prepared by Cambria, your consultant. As you are aware, this report responds to items within my August 6, 2001 letter and again, requests agency recommendation for site closure. Upon review of this report, our office has the following technical comments:

- Our office agrees with the conclusion that the underground tanks, dispensers and piping previously "shown or proposed" in the 1957 Shell plot plan were likely installed and present at one time. Therefore, data characterizing these areas and any release from these areas is necessary for complete site assessment.
- The cross-sectional diagrams support the assumption that USTs were likely presence where assumed since fill material and sand and gravel appear in these locations. Clay is present down to about 20' bgs where groundwater is encountered in a sand and gravel lens. This lens would facilitate the migration of the TPH plume.
- The question of adequate UST and site characterization was addressed. An evaluation of human health and environmental risk must have representative sampling from an adequately characterized site. Cambria maintains that eight borings and a total of 29 soil samples (including samples from varying depths) adequately characterized the site. However, they note that normal sampling for the presumed USTs would have required 16 horizontally discrete soil samples. Please note, samples would also have been required beneath dispensers and along piping runs, therefore, considerably more samples would normally have been taken. Though samples were taken from within the UST areas, it is not certain that these represent the most impacted locations. Likewise, assumed gradient or one time gradient from temporary wells cannot be considered conclusive.
- Grab groundwater samples from SB-A, SB-B and SB-C indicate that the TPH plume is not defined within the property boundary.
- The relative lack of BTEX compounds is stated as showing evidence of natural attenuation. Cambria also states that it is not uncommon for fuel hydrocarbons to persist in soil and groundwater for extended periods in fine-grained soils. The highest TPHd concentration exhibited in water, 40,000 ppb in WSB2, potentially represents free product. As recommended by the Water Board, free product, to the extent possible, should be removed from the site.

Based upon these observations, our office requires that you implement the Contingency Work Plan provided. In addition, soil vapor sampling or some type of risk management would be recommended if site usage changes.

Ms. Karen Petryna
December 20, 2002
Fuel Leak Case RO0000305
2001 Fruitvale Ave., Oakland, CA 94601
Page 2.

Technical Response to Work Plan

- Please analyze the soil and groundwater sample from proposed well MW-1 for TPHd, TPHmo, SVOCs, VOCs by EPA Method 8260, inclusive of HVOCs, BTEX, MTBE and ether oxygenates and the lead scavengers, and the metals; cadmium, chromium, lead, nickel and zinc.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mr. Matt Derby, Cambria Environmental, 1144 65th St., Suite B, Oakland, CA 94608

Ms. Lotus Monroe, 11810 Alba Road, Ben Lomond, CA 95005

Mr. and Mrs. Fidel Casillas, 2094 Harrington Ave., Oakland, CA 94601

2001FruitvaleAgencyResponse

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



08-07-01

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

August 6, 2001 ✓
StID 5806/ RO0000305

Ms. Karen Petryna
Equiva Services LLC
P.O. Box 7869
Burbank, CA 91501-7869

Re: Agency Response Letter, 2001 Fruitvale Ave., Oakland CA 94601

Dear Ms. Petryna:

Our office has received and reviewed Cambria Environmental's July 13, 2001 Agency Response letter which responded to the County's June 22, 2001 letter. In our letter, you were notified that upon consultation with the San Francisco Regional Water Quality Control Board (SFRWQCB), our offices recommended the installation of permanent monitoring wells. Cambria's response letter disagreed with this need.

I have met with the SFRWQCB again to discuss Cambria's comment letter and the Water Board has the following comments and requests:

- Please provide summary tables for all soil and groundwater data.
- Please provide a to scale figure indicating the location of these samples and the assumed location of the former underground tanks, piping and dispensers.
- Please provide at least two cross-sectional diagrams (north-south, east-west) indicating soil concentrations and soil type.
- Examine the need to better characterize the site given the number and locations of the existing samples. Note how the number and location of samples compare to the number and location of samples normally taken during tank removals.
- Explain how an "old" petroleum release could exhibit the relatively high soil and groundwater concentrations reported. Is there still a source for the TPH being found?
- Evaluate the risk of TPHg, TPHd and TRPH using the SFRWQCB RBSLs.
- Is there enough data, particularly, shallow soil data to perform a HHRA? Is there any PNA data in soil?
- Please evaluate the need for a deed restriction if site closure were to be considered.

Contrary to Cambria's claim, our offices do not believe this site meets the conditions of a "low risk soil and groundwater case". Please provide the requested information and written comment to these items as soon as possible.

Ms. Karen Petryna
2001 Fruitvale Ave., Oakland CA 94601
StID 5806/ RO0000305
August 6, 2001
Page 2.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mr. Stephan Bork, Cambria Environmental, 1144 65th St., Suite B, Oakland CA 94608

Ms. L. Monroe, 11810 Alba Rd., Ben Lomand, CA 95005

Mr. and Mrs. Casillas, 3094 Harrington Ave., Oakland CA 94601

Mr. C. Headlee, SFRWQCB

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



06-25-01

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

June 22, 2001
StID # 5806*RO0000305

Ms. Karen Petryna
Equiva Services
P.O. Box 7869
Burbank, CA 91510-7869

Re: Former Shell Station, 2001 Fruitvale Ave., Oakland CA 94601

Dear Ms. Petryna:

Our office has met and conferred with the San Francisco Regional Water Quality Control Board (SFRWQCB) and discussed the merits of closure for the above referenced site. It is their opinion that given the lack of information regarding the number and location of the former underground tanks, the lack of information regarding the tank removals, the presence of elevated Total Petroleum Hydrocarbons in soil and groundwater samples and the one time only determination of groundwater gradient, permanent monitoring wells will be required at the site. The location of the monitoring wells, at a minimum, should be in the same general locations of the former soil borings, SBA, SBB and SBC.

Please submit a work plan for the monitoring well installations to our office within 30 days or no later than July 23, 2001.

Please contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: Mr. F. Casillas, 2094 Harrington Ave., Oakland CA 94601
Mr. S. Bork, Cambria Environmental, 1144 65th St., Suite B, Oakland CA 94608
Ms. Lotus Monroe, 11810 Alba Road, Ben Lomand, CA 95005

Mwrq2001Fruitvale

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



12-1-00

20305

November 30, 2000
StID # 5806

Ms. Karen Petryna
Equiva Services LLC
P.O. Box 7869
Burbank, CA 91501-7869

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

Re: 2001 Fruitvale Ave., Oakland CA 94601

Dear Ms. Petryna:

Our office has received and reviewed the November 17, 2000 Agency Response letter prepared by Cambria Environmental Technology (Cambria). As you are aware, this letter proposes performing a Risk-Based Corrective Action (RBCA) evaluation for the site in lieu of installing the previously proposed groundwater monitoring wells. Cambria cites the current extent of soil and groundwater investigation data, the relative low concentrations of benzene in soil and groundwater and the absence of MTBE in groundwater as evidence that may allow for site closure as "low risk".

Our office concurs with this approach with the condition that along with the RBCA, a conduit and sensitive receptor survey is performed. **Please proceed with both of these reports. Your reports are due within 45 days or no later than January 16, 2001. Please notify our office of any delays.**

You may contact me at (510) 567-6765 if you have any comments or questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

- Mr. T. Buggle, Cambria Environmental, 1144 65th St., Suite B, Oakland CA 94608
- Mr. J. Dorado, 3808 International Blvd., Suite A, Oakland CA 94601
- Mr. F. Casillas, 2094 Harrington Ave., Oakland CA 94601
- Ms. Lotus Monroe, 11810 Alba Rd., Ben Lomand CA 95005

RBCA2001Fruitvale

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



10-20-00

RO# 305

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

October 19, 2000
StID #5806

Ms. Karen Petryna
Equiva Services LLC
P.O. Box 7869
Burbank, CA 91501-7869

**Re: Installation of Monitoring Wells at Former Shell Station, 2001 Fruitvale Ave.,
Oakland CA 94601**

Dear Ms. Petryna:

As you are aware, your consultant has encountered significant delays in obtaining a City of Oakland encroachment permit to install three proposed monitoring wells because two of the well locations are on City property. Your well installation work plan was approved by our office in September 1999, over a year ago.

I have spoke with Mr. Troy Buggle of Cambria Environmental, and we concur that the two wells in question can be relocated on the property without compromising the investigation significantly. Therefore, wells MW-2 and MW-3 should be moved to locations near the borings SB-C and SB-B, respectively. Please provide a work plan addendum that includes these new well locations and schedule their installation as soon as possible.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mr. T. Buggle, Cambria Environmental, 1144 65th St., Suite B, Oakland CA 94608
Mr. J. Dorado, 3808 International Blvd., Suite A, Oakland CA 94601

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ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



SENT 4-12-2000
mald ccs

R0305

April 12, 2000
StID # 5806

Ms. Karen Petryna
Equiva Services LLC
P.O. Box 6349
Carson, CA 90749-6249

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

**Re: Installation of Monitoring Wells at Former Shell Station, 2001 Fruitvale Ave.,
Oakland CA 94601**

Dear Ms. Petryna:

This letter requests a time schedule for the implementation of the approved September 14, 1999 Cambria work plan for the installation of three monitoring wells at the above referenced site. As you are aware, our office reviewed and approved this work plan in my September 28, 1999 letter. To date, our office has not been provided a timetable or notified as to the schedule for the installation of the three wells. Please attempt to install these wells within the next 30 days, if possible or provide an alternative schedule.

You may contact me at (510) 567-6765 if you have any comments.

Sincerely,

A handwritten signature in black ink that reads "Barney M. Chan". The signature is fluid and cursive.

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files
Mr. T. Buggle, Cambria Environmental Technology, 1144 65th St., Suite B, Oakland CA 94608
Mr. J. Dorado, 3808 International Blvd., Suite A, Oakland CA 94601

Wells2001

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



SENT 9-29-99
B. Chau
M. Dorado
T. Bugge

RO305

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

September 28, 1999
StID # 5806

Ms. Karen Petryna
Equiva Services LLC
P.O. Box 6349
Carson, CA 90749-6249

**Re: Work Plan for Monitoring Wells at Former Shell Station, 2001 Fruitvale Ave.,
Oakland CA, 94601**

Dear Ms. Petryna:

Our office has received and reviewed the September 14, 1999 Cambria Investigation Work Plan for the above referenced site. This responds to my August 13, 1999 letter which comments on the August 5, 1999 Site Investigation Report by Cambria. This report identified petroleum contamination beneath the entire site. The work plan proposes to install three monitoring wells, one adjacent to the former waste oil tank in the northern part of the site and one well in Fruitvale Ave. and one in Foothill Boulevard, on the east and south sides of the site.

This work plan is accepted with the following provisions:

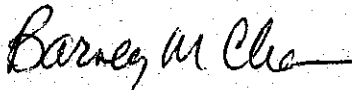
- Please add the analysis for TRPH (oil and grease) on the soil sample(s) taken from the boring adjacent to the former waste oil tank. TRPH should also be added to the analytes tested in all three wells.
- The groundwater sample from the well adjacent the former waste oil tank should also be analyzed for halogenated volatile organics and semi-volatile organics, which were found in the grab water sample collected in this same general area.
- The groundwater samples run for the analytes, TEPH and TRPH should be filtered and passed through a silica gel cleanup prior to analysis.
- Any soil or groundwater sample detecting MTBE should be re-analyzed by EPA Method 8260 or 8240 to confirm its presence.
- You are reminded that use of the Oakland or ASTM RBCA is contingent on adequate site characterization. Therefore, it should incorporate the data from this proposed work.

Our office has been informed of the intent to pave this site. Our office has no objections to this activity so long as access to the installation and sampling of the proposed monitoring well is not encumbered.

You may contact me at (510) 567-6765 if you have any questions.

Ms. Karen Petryna
StID # 5806
2001 Fruitvale Ave., Oakland 94601
September 28, 1999
Page 2.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

c: B. Chan, files

Mr. J. Dorado, 3808 International Blvd., Suite A, Oakland, CA 94601

Mr. T. Buggle, Cambria Environmental Technology, 1144 65th St., Suite B, Oakland CA 94608
Mwap2001

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



R0305

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

August 13, 1999
StID # 5806

Ms. Karen Petryna
Equiva Services LLC
P.O. Box 6349
Carson, CA 90749-6249

Re: Site Investigation at Former Shell Station, 2001 Fruitvale Ave., Oakland CA 94601

Dear Ms. Petryna:

Our office has received and reviewed the August 5, 1999 Site Investigation Report by Cambria Environmental Technology, Inc. (Cambria), your consultant. This report provided the results of soil and groundwater samples from three borings at this site. I have reviewed these results and the results of the 1996 AllCal Property Services, Inc. investigation. It appears that soil contamination is limited to the former waste oil tank pit and lesser amounts within the former underground tank pit. The highest concentrations of TRPH and TEPH are found in the soil sample within the former waste oil pit and at a depth of 10' bgs. Groundwater, which is encountered at approximately 16' bgs has been impacted throughout the entire site as indicated in the recent water samples from the three borings by Cambria.

At this time, our office will require the installation of monitoring wells to measure the impact to groundwater and determine whether the extent and stability of the plume has been found. The proposed risk based corrective action (RBCA) evaluation should be put on hold until the site has been better characterized. Please submit a work plan for monitoring well installation to our office within 30 days or by September 14, 1999.

You may contact me at (510) 567-6765 if you have any comments or questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Ms. A. Cool, Cambria Environmental Technology, 1144 65th St., Suite B, Oakland CA 94608
Mr. Jose Dorado, 3808 International Blvd., Suite A, Oakland CA 94601

Mwwwp2001

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



R0305

ENVIRONMENTAL HEALTH SERVICES

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

July 23, 1999
StID # 5806

Mr. Tom Maher
Shell Oil Products Co.
P.O. Box 2099
Houston, TX 7252

**Re: Request for Technical Report for Former Shell Station, WIC #204-5508-2105
2001 Fruitvale Ave., Oakland CA 94601**

Dear Mr. Maher:

Our office is aware that the work plan for the investigation of soil and groundwater at the above site occurred on March 31, 1999. Three borings were advanced according to approved Cambria work plan. Please provide a copy of this investigation report to our office within 15 days or by August 9, 1999.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Ms. D. Lundquist, Cambria, 1144 65th St., Suite B., Oakland CA 94608
Ms. K. Petryna, Equiva Services LLC, P.O. box 6249, Carson, CA 90749-6249
Mr. D. Harris, Trump, Alioto, Trump & Prescott LLP, 2280 Union St., SF, CA 94123
Rep2001

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RO#305

November 6, 1998
StID # 5806

Mr. Tom Maher
Shell Oil Products Co.
P.O. Box 2099
Houston, TX 7252

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

**Re: Investigation Work Plan for Former Shell Service Station, 2001 Fruitvale Ave.,
Oakland, CA, 94601, WIC #204-5508-2105**

Dear Mr. Maher:

Our office has received and reviewed the October 27, 1998 **Investigation Work Plan** prepared by your consultant, Cambria. This work plan follows an initial soil and groundwater investigation by All Cal Property Services, which identified petroleum contamination in both media. This additional investigation serves to complete site characterization and offer the site for closure as a "low risk" soils and groundwater case, if warranted. A risk-based corrective action (RBCA) evaluation will also be provided to justify closure as a low risk site.

This work plan proposes to advance three additional soil borings and collect soil and groundwater samples. In general, our office approves of this approach, since I have previously discussed the site with Ms. Diane Lundquist of Cambria. Our office, however, has the additional requirements:

- One of the borings is proposed in the northwest corner of the site where a former waste oil tank had been. Because of the potential of polyaromatic hydrocarbon compounds to be found in heavy oils, please analyze a shallow boring for semi-volatile compounds using EPA Method 8270. This is in addition to other waste oil parameters; TPHg, TPHd, oil and grease, BTEX, MTBE, chlorinated solvents and the metals: cadmium, chromium, lead, nickel and zinc to be analyzed on the selected soil and groundwater samples.
- Because of the requirement to adequately characterize a site prior to site closure, it is important to determine site-specific groundwater gradient. Therefore, our office requests that prior to groundwater sampling, a temporary slotted well casing be installed within each borehole. Several groundwater elevation readings should be taken for gradient determination.

Please contact our office 72 working hours prior to this field work. I may be reached at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan, Hazardous Materials Specialist

C: B. Chan, files

Ms. D. Lundquist, Cambria, 1144 65th St., Suite B, Oakland CA 94608

Ms. K. Petryna, Equiva Services LLC, P.O. Box 6249, Carson, CA 90749-6249

Mr. D. Harris, Trump, Alioto, Trump & Prescott LLP, 2280 Union St., SF, CA 94123

(wpap2001Fr)

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

R0#305

RAFAT A. SHAHID, DIRECTOR

February 27, 1996
StID # 5806

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

Mr. Fidel Casillas
2094 Harrington Ave.
Oakland CA 94601

Re: 2001 Fruitvale Ave., Oakland CA 94601

Dear Mr. Casillas:

Our office has received and reviewed the February 22, 1996 Work Plan for Groundwater Investigation from All Cal Property Services, prepared by Mr. John Mrakovich. This report proposes to install three monitoring wells to determine the extent of groundwater contamination and to determine the site specific gradient. This work plan is acceptable. You may schedule this work as soon as possible.

It has come to my attention that the drums of soil cuttings left on your site from the initial subsurface investigation are accessible to the public and have been recently disturbed by children in the neighborhood. I have spoken with Mr. Mrakovich and based on the analytical results of the soils within these drums, you may reuse the soils within these drums onsite. Your immediate attention to this matter is appreciated. Future drums of soil or groundwater from subsurface investigation should be secure from the public or disposed of in a timely fashion.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

c: J. Mrakovich, All Cal Property Services, 27973 High Country Drive, Hayward, CA 94542-2530
Ms. K. Kenny, Trump, Alioto, Trump & Prescott, Fremont Office Center, 39300 Civic Center Drive, Suite 360, Fremont, CA 94538
G. Coleman, file

wpap2001

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



R0#305

RAFAT A. SHAHID, Assistant Agency Director

January 25, 1996
StID # 5806

Mr. Fidel Casillas
2094 Harrington Ave.
Oakland CA 94601

Alameda County CC4580
Environmental Health Services
1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
(510)567-6700 FAX(510)337-9335

**Re: Request for Groundwater Investigation at 2001 Fruitvale Ave.,
Oakland CA 94601**

Dear Mr. Casillas:

Our office has recently received and reviewed a January 18, 1996 report from All Cal Property Services, prepared by John Mrakovich. This report gave the results of soil and groundwater sampling from five exploratory borings at this site. Although our office's information is limited to the contents of this report, it appears that there has been a release of petroleum hydrocarbon from the former underground fuel tanks at this site. Because of this verified release, this site has been transferred to the Local Oversight Program (LOP) Division of Alameda County Environmental Health. You should have been notified of this through a **Notice of Requirement to Reimburse** letter recently sent to your attention.

As a result of this petroleum release, you are required to complete the enclosed Unauthorized Release (Leak) Report (ULR) and return it to our office **within 10 days of its receipt.**

Additionally, you are requested to provide all documents describing previous hazardous materials storage, use and disposal at this site. Referenced in this report is a plot plan of Shell Oil Company which shows former tank locations. Please submit a copy of this plan at a minimum.

You are also required to submit a work plan for the installation of monitoring well(s) to determine the magnitude and extent of the groundwater contamination coming from this site. If groundwater gradient cannot be inferred from existing data from neighboring sites, at least three wells must be installed. Other areas of soil investigation may be required if there is a lack of information regarding past tank removals at this site. Please provide this work plan **within 45 days or by March 11, 1996.**

Note that since your site was immediately transferred to the Local Oversight Program, billing of all time spent on this site will come from the State Water Resources Control Board (SWRCB). You are also encouraged to contact the SWRCB Cleanup Fund at (916) 227-4529 to determine your eligibility for the Cleanup

Mr. F. Casillas
StID # 5806, 2001 Fruitvale Ave.
January 25, 1996
Page 2.

Fund. This fund was designed to help individuals and businesses finance the majority of their expense incurred while investigating and remediating petroleum releases from underground storage tanks.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

enclosure

c: J. Mrakovich, All Cal Property Services, 27973 High Country Drive, Hayward, CA 94542-2530

st Ms. K. Kenny, Trump, Alioto, Trump & Prescott, Fremont Office Center, 39300 Civic Center Drive, Suite 360, Fremont, CA 94538

G. Coleman, file
wp2001F