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

10-29-02

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

RO0000450

October 28, 2002

Mr. Dave DeWitt
Phillips 66 Company
2000 Crow Canyon Place, Ste 400
San Ramon, CA 94583

RE: Work Plan Approval for 1629 Webster Street, Alameda, CA

Dear Mr. DeWitt:

I have completed review of Environmental Resolutions, Inc.'s October 2002 *Work Plan for Remedial Excavation* prepared for the above referenced site. The proposal to excavate hydrocarbon-impacted soil in the vicinity of the former eastern dispenser island and monitoring well MW2 is acceptable. Field work should commence within 45 days of the date of this letter, **or by December 16, 2002** (when depth to groundwater is lowest). Please provide 72 hours advance notice of field activities.

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

eva chu
Hazardous Materials Specialist

c: Robert Saur
ERI
73 Digital Drive, Suite 100
Novato, CA 94949-5791

BP-Tosco#0843-7

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

10-19-01

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

RO0000450

October 18, 2001

Mr. David DeWitt
Phillips 66 Co.
2000 Crow Canyon Place, Suite 400
San Ramon, CA 94583

RE: Work Plan Approval for Former 76 SS #0843, 1629 Webster Street, Alameda, CA

Dear Mr. DeWitt:

I have completed review of ERI's October 2001 *Work Plan for Supplemental Soil Evaluation*, prepared for the above reference site. The proposal to advance soil borings in the vicinity of the former fuel tank pit and by Well MW-2 is acceptable. Field work should commence within 90 days of the date of this letter. Please provide 72 hours advance notice of field activities.

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

eva chu
Hazardous Materials Specialist

c: Paul Blank, ERI, 73 Digital Dr, Suite 100, Novato, CA 94949-5791

bp-tosco#0843-6

07781

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

July 18, 2001

Scott Hooton
BP Oil Co.
Midwest Environmental Services
295 SW 41st St.
Bldg. 13, Suite N
Renton, WA 98055

Dear Mr. Hooton:

Subject: Former BP Oil Site No. 11102, 100 MacArthur Blvd., Oakland, CA
RO0000456

"1st Quarter 2001 Monitoring..." dated April 11, 2001 prepared by Blaine Tech Services and your May 15, 2001 letter were reviewed. These samples were collected on March 8, 2001. Methyl Tertiary-Butyl Ether (MTBE) concentrations found in monitoring wells MW-1 and MW-2 were 11,600 ug/l and 29,100 ug/l, respectively. MTBE in MW-1 has decreased from the prior sampling event while increasing in MW-2. The prior results on September 28, 2000 were 28,000 ug/l and 15,000 ug/l, respectively. Total Petroleum Hydrocarbons-Gasoline (TPH-G) increased in MW-1 and MW-2 since the prior sampling event. TPH-G concentrations found in MW-1 and MW-2 on March 8, 2001 were 8,200 ug/l and 20,000 ug/l, respectively. The prior results on September 28, 2000 were 2,700 ug/l and 1,600 ug/l, respectively. MW-3's concentrations on March 8, 2001 were Not Detected (ND) or low which were consistent with previous results. However, the MTBE concentration increased to 60 ug/l from prior results of 2.0 ug/l and 1.6 ug/l.

As noted in our letter dated May 3, 2001, due to the high concentrations of MTBE, the sampling frequencies will need to increase to quarterly and a Corrective Action Plan, which includes an assessment of impacts, a feasibility study, and applicable cleanup levels will be required. Additionally, further delineation of the plume may be necessary. As stated in our letter dated May 19, 1999, because MW-1 was installed in the gravel backfill of the former waste oil tank pit, the determination of gradient using groundwater levels from this well may be inaccurate. Therefore, groundwater flow directions and gradients may need to be confirmed by an acceptable method, which could include the installation of another well in native soil or using wells adjacent to the site.

Your letter of May 15, 2001 indicated that Tosco will be responsible for these tasks because the increases in contaminant concentrations occurred while Tosco was operating the facility. If you have any questions, you may call me at 510/567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist

C: David DeWitt, Tosco Marketing Co., 2000 Crow Canyon Pl., Suite 400, San Ramon, CA 94583

file

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

04-1-01

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

RO-0000450

April 10, 2001

Mr. David DeWitt
Tosco Marketing
2000 Crow Canyon Pl, Suite 400
San Ramon, CA 94583

RE: Workplan Approval for Former Tosco 76 Service Station 0843 at 1629 Webster Street, Alameda, CA

Dear Mr. DeWitt:

I have completed review of Environmental Resolutions, Inc's (ERI) April 2001 *Underground Utility Survey and Work Plan for Supplemental Evaluation of Soil and Groundwater* report prepared for the above referenced site. Upon completion of an underground utility survey, ERI proposed to advance seven off-site borings utilizing direct-push technology to delineate the extent of the contaminant plume and to determine if the utility trenches act as preferential pathway for contaminant migration. ERI's workplan proposal is acceptable. If groundwater is analyzed for MTBE using Method 8260, please have the laboratory quantify for other oxygenates, too.

Since the borings are proposed on Webster Street, I anticipate that field work will not commence until encroachment permits are obtain, and that may take a long time. Please provide up to 72 hours advance notice of field work. If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

c: Paul Blank, ERI, 73 Digital Drive, Suite 100, Novato, CA 94949-5791

BP-Tosco#0843-5

Sent 11-12-99
Includ. CC's

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

R0350

November 12, 1999

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9432

STID 670

Brett L. Hunter
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583-0904

RE: FORMER CHEVRON STATION #9-5607, 5269 CROW CANYON ROAD, CASTRO VALLEY

Dear Mr. Hunter:

As you are aware, the February 5, 1999 Weiss Associates (WA) report documenting the second round of soil vapor sampling at the adjoining Forest Creek Townhomes indicates that the sampling results were invalid due to reported sampling irregularities. This interpretation was reportedly due to difficulty determining purge volumes. I understand the sampler failed to correctly follow the SOP for this task. WA reported that the soil vapor sampling project was to be repeated during May 1999. The April 29, 1999 correspondence from this office acknowledges this issue and the anticipated follow-up field work.

WA apparently revisited the data at some point after publishing the February report and concluded that the purge data were, after all, salvageable. WA sent me a facsimile on July 9, 1999 that attempts to explain and justify this new interpretation of purge volume adequacy (copy attached). I subsequently spoke briefly with WA's Tim Utterback about this issue on July 26, 1999. I requested the submittal of a more scholarly supplemental report on this topic, submitted under seal of an appropriate California-registered professional.

I am still awaiting this supplemental report.

I request that all parties associated with this case meet with the regulators to discuss the results and acceptability of the SVS, and its application in interpreting potential human health risks. In addition, extremely high dissolved-phase concentrations (9460 ug/l benzene; 33,400 ug/l TPH-G - 7/99), as well as periodic immiscible phase product (0.7' – 7/99), is still found in wells associated with the investigation at this site, ~10 years after the tanks were removed. A long-term solution to this problem will also need to be explored. I request that the supplemental report cited previously be submitted at least one week prior to this meeting.

I will plan to schedule this meeting the first part of January 2000. Please call me at (510) 567-6783 if you have some prospective dates in mind.

Sincerely,

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

Attachment

cc: Chuck Headlee, RWQCB **(w/attachment)**
Tim Utterback, Weiss Associates
5500 Shellmound St., Emeryville, CA 94608-2411

Weiss Associates Environmental and Geologic Services

5500 Shellmound Street, Emeryville, CA 94608-2411 FAX: 510-547-5043 Phone: 510-450-6000

TRANSMITTAL

TO:	Scott Seery	**DATE:**	July 9, 1999
COMPANY:	Alameda County Health Services Agency Department of Environmental Health 1131 Harbor Bay Parkway, 2nd Floor Alameda, CA 94502	**PROJECT #:**	4-1129
FROM:	Tim Utterback, (510) 450-6193	**PHONE:** **FAX:**	(510) 567-6783 (510) 337-9335

ENCLOSED PLEASE FIND: Vapor Purge Technique, Former Chevron Service Station #9-5607, 5269 Crow Canyon Road, Castro Valley CA

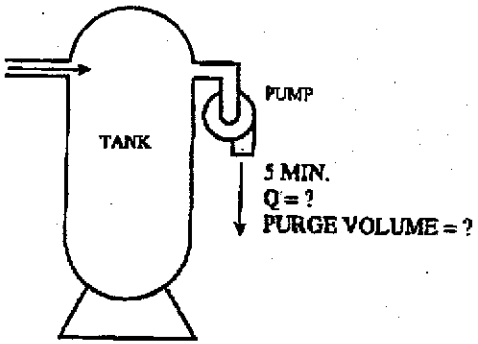
VIA:	**FAX:**	**AS:**	**FOR:**
☑ Fax	# of pages: 2 (including this cover)	☐ Per our phone call	☑ Your information
☐ 1st Class Mail	☐ Hard Copy to follow	☐ You requested	☐ Return to you
☐ Overnight Delivery		☐ Is required	☐ Your action
☐ UPS (Surface)		☐ We believe you may be interested	☐ Your review & comments
☐ Courier			

COMMENTS:

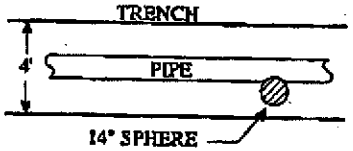
Attached is a figure explaining the purge technique that was used on 7/30/98 to collect vapor samples at the above referenced site. I previously stated, in the February 5, 1999, Soil Vapor Sample Collection Update, that we rejected the 7/30/98 data because the purge volume was unknown. I thought purge volume could not be estimated because the vacuum/volume system flow rate was not recorded.

At the request of my supervisor and Richard Weiss, I re-investigated the possibility of estimating the purge volume. I discussed the use of the purge equipment with the manufacturer (Geoprobe Systems). Based on my discussion with Geoprobe, I concluded that the maximum possible purge volume was 7.72 liters as described in the attached figure. We found this purge volume acceptable. Please call me at 510 450-6193 if you have any questions. Geoprobe Systems can be contacted at 1-800-436-7762 if you have questions about technical aspects of the Vacuum/Volume System A1-1001.

Please call (510) 450-6000 if there are any problems with transmission.

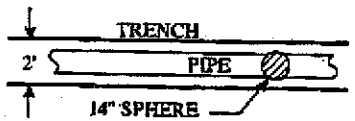


TRU thought Vac/Vol system was pumping continuously for 5 minutes with unknown flow rate.



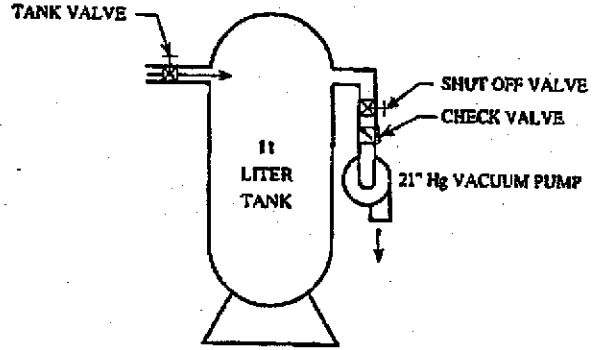
PLAN VIEW
SCALE: 1" = 8'

FIGURE 1



SECTION VIEW
SCALE: 1" = 8'

FIGURE 2



Based on our discussion with the manufacturer, Geoprobe Systems, the purge technique was consistent with their standard procedures for use of the Vacuum/Volume system. The Vac/Vol system evacuates 11 liter tank until 21" Hg gage pressure is achieved. The vacuum pump is shut off and the pump shut off valve is closed. The vapor sampling lines are then purged by opening the tank valve and drawing purge air in under the tank vacuum. The WA geologists allowed the tank to draw purge air in for 5 minutes. The maximum purge volume that can be removed by this system under 21" Hg is 7.72 liters. 7.72 liters will influence a subsurface spherical volume of approximately 14" diameter, which would be within the area of the trench backfill (see Figure 1 & 2). The sand backfill is approximately 100 times more permeable than the surrounding soil. Thus, we are confident that only trench vapors were sampled.

Figure 1. Description of Soil Vapor Purge Technique, Chevron SS# 9-5607, 5269 Crow Canyon Rd. Castro Valley, California

C1129-16.ai

07/07/99

SENT 10-19-99

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

po450

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

StID 2067

October 18, 1999

Mr. Dave DeWitt
Tosco Marketing Co
2000 Crow Canyon Place, Suite 400
San Ramon, CA 94583

RE: Workplan Approval for 1629 Webster Street, Alameda, CA

Dear Mr. DeWitt:

I have completed review of ERI's September and October 1999 reports entitled *Work Plan for Supplemental Evaluation of Groundwater* and *Proposed Well Locations for Work Plan for Supplemental Evaluation of Groundwater* prepared for the above referenced site. Two additional groundwater monitoring wells are proposed along the Webster Street right of way. I discussed the relocation of the nearer well to the northwest corner of Webster Street with Mr. Glenn Matteucci. Pending the access agreement with CalTrans, this well may have to be relocated along Park Street.

The workplan to install two wells to delineate the extent of the contaminant plume is acceptable. Field work should commence within 60 days of the date of this letter, or **by December 20, 1999.** Please notify this office at least 72 hours prior to the start of field activities.

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

eva chu
Hazardous Materials Specialist

email: Glenn Matteucci (gmatteucci@eri-us.com)

bp-tosco#0843-4

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

R0450

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

StID 2067

July 30, 1999

Mr. Dave DeWitt
Tosco Marketing Co
2000 Crow Canyon Place, Suite 400
San Ramon, CA 94583

RE: Additional Well for 1629 Webster Street, Alameda, CA

Dear Mr. DeWitt:

I have completed review of Gettler-Ryan Inc.'s July 1999 *Second Quarter 1999 Groundwater Monitoring & Sampling Report* prepared for the above referenced site. After two quarterly sampling events, hydrocarbon carbon constituents remain elevated in Well MW-2. Groundwater appears to flow in the northeasterly direction.

At this time, in order to delineate the extent of the contaminant plume, an additional groundwater monitoring well is required northeast of Well MW-2. A workplan for the delineation of the plume is due within 60 days of the date of this letter, **or by October 4, 1999.**

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

eva chu
Hazardous Materials Specialist

tosco#0843-3

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

RO#450

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

StID 2067

January 19, 1999

Mr. Dave DeWitt
Tosco Marketing Co
2000 Crow Canyon Place, Suite 400
San Ramon, CA 94583

RE: Workplan Approval for 1629 Webster Street, Alameda, CA

Dear Mr. DeWitt:

I have completed review of Environmental Resolutions, Inc's January 1999 *Work Plan for Evaluation of Soil and Groundwater at Former Tosco 76 Service Station 0843* prepared for the above referenced site. The proposal to install four groundwater monitoring wells at the site is acceptable. Soil and groundwater samples will be collected for TPHg, BTEX, MTBE, and total lead analyses.

In addition to the above analyses, a soil sample should be collected from the vadose zone of boring B1/MW1 to determine various soil parameters, including, but not limited to, bulk density, total organic carbon content, water content, and porosity.

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

eva chu
Hazardous Materials Specialist

c: Glenn Matteucci
Environmental Resolutions
74 Digital Drive, Suite 6
Novato, CA 94949

tosco#0843-2

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

RO#450

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

StID 2067

November 6, 1998

Ms. Tina Berry
Tosco
2000 Crow Canyon Rd, Suite 400
San Ramon, CA 94583

RE: Soil and Groundwater Investigation at 1629 Webster Street, Alameda, CA

Dear Ms. Berry:

I have completed review of Environmental Resolutions, Inc's September 1998 *Underground Storage Tank, Associated Piping, and Dispenser Removal* report prepared for the above referenced site. This report summarized the tank removal and soil and groundwater sampling at the site.

Soil analytical results did not reveal remarkable levels of hydrocarbons, with the exception of sample S-8-T1N, which contained 280ppm MTBE. The grab groundwater sample collected from tank pit contained up to 19,000ppb TPHg, 880ppb benzene, and 1,300ppb MTBE.

At this time, additional investigations are required to determine the extent and severity of soil and groundwater contamination at the site. A work plan detailing this phase of investigation is due within 60 days of the date of this letter, or by **January 10, 1999.** If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

tosco#0843-1

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

RAFAT A. SHAHID, Assistant Agency Director

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

R0450

July 29,1993
STID # 2067

Mr. Syed Rizvi
Environmental Compliance Officer, Unocal
Unocal Corporation
911 Wilshire Blvd., Floor 11
Los Angeles, California

Re: ISSUANCE OF A FIVE YEAR UNDERGROUND TANK PERMIT FOR UNOCAL # 2067 LOCATED AT 1629 WEBSTER STREET, ALAMEDA

Dear Mr. Rizvi;

Please find enclosed a five-year underground storage tank permit certificate. The permit covers all three tanks operated at the site noted above. To maintain a valid permit, leak monitoring procedures shall meet all applicable requirements. These conditions are described in the revised Title 23, California Code of Regulations (C.C.R.) which became effective August 9, 1991. Any deficiencies noted on the final underground tank inspection report or subsequent inspections, must be corrected. Below is a summary of the monitoring requirements for your facility:

1. Sections 2645 and 2646 - Inventory Reconciliation

a) Record the daily variation in inventory reconciliation. This is the difference between the measured inventory in the tank and the calculated inventory. The calculated inventory shall be determined by adding the fuel inputs from deliveries and subtracting the day's sales withdraws from the physically measured inventory of the day before.

Meters or gauges used to measure the in tank inventory must be approved by this office. Commercial gauges and measuring devices should meet the standards in Title 4, Chapter 9, of the California Code of Regulations (C.C.R.) and be inspected by the County Department of Weights and Measures.

Manual weekly tank gauging shall only be used as part of a visual monitoring program for existing tanks which have a total system capacity of 2,000 gallons or less and which can be taken out of service for at least 48 continuous hours each week. Tanks with a capacity of 550 gallons or less may be exempt from integrity testing annually.

You are advised that after January 1, 1993, using manual stick readings to measure the physical inventory, may require your inventory reconciliation data to be evaluated by a third party certified statistical analyst. This rule applies where the highest anticipated ground water may come to less than 20 feet below the bottom of the tank.

Daily variations shall be summed for a period of one month. If monthly variations exceed 1% per cent of the monthly tank delivery plus 130 gallons, this office must be notified. An investigation as to the cause of excess variations must be conducted and reported to this office.

b) Submit an annual statement to this office which states that all inventory reconciliation data are within allowable limits or list the times and corresponding variations when allowable limits were exceeded. This statement shall be executed under penalty of perjury.

2. Section 2643 - Non-visual Monitoring

a) Monitoring of piping shall be conducted at least hourly, which is capable of alerting the operator when 3 gallons have leaked or a leak rate of three gallons per hour at 10 p.s.i. exists; and

Annual piping system integrity testing shall be conducted which is capable of detecting a minimum release of 0.1 gallon per hour at 1.5 (one and a one / half times) normal operating pressure.

b) Annual tank integrity testing shall be conducted which is capable of detecting a release of 0.1 gallon per hour at or above the maximum product level of the tank.

3. Section 2663 - Overfill Prevention

a) Onsite personnel or the operator's agent must ensure that the volume available in the tank is greater than

the volume of product or waste oil to be transferred into the tank before the transfer is made. Also the transfer process must be watched to prevent overfilling and spilling.

4. Section 2643 et. seq., Non- Visual Monitoring

a) Maintain the monitoring equipment in good repair and service in accordance with the manufacturer's instructions. In a written plan, describe the training needed for the operation of both the tank system and monitoring equipment or conducting monitoring procedures. Maintain the plan on site for review.

5. Section 2712 - Permit Conditions

a) Retain all monitoring and maintenance records on-site or at a readily available location off-site, if approved by this agency, for a period of at least 3 years. These records must be made available, upon request within 36 hours, to the local agency or the Regional Water Quality Control Board.

The above listed requirements reflect the information currently on file and may not include deficiencies disclosed during routine inspections or changes that will result from tank and piping upgrading required by December 22, 1998. You may utilize other release detection methods for tanks and pipelines as outlined in the revised Title 23, C.C.R.. Please send a letter to this office notifying us of any changes in the monitoring methods.

Consult the revised Title 23, C.C.R. regarding any additional requirements. To obtain a copy of the regulations, you may contact the State Water Resources Control Board at (916)323-1262.

Should you have any questions or concerns regarding the contents of this letter, please call me at (510)271-4320.

Sincerely,

Kevin Tinsley

Kevin Tinsley
Hazardous Materials Specialist

cc: Pam Evans, Senior Haz. Mat. Specialist, AlCo. E.H.D.
Brian Oliva, Haz. Mat. Specialist, AlCo. E.H.D.
Stanley Huey, Unocal Dealer

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

R0450

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

September 19, 1990

Stanley Huey
Unocal #0843
1629 Webster St.
Alameda,CA 94501

Re: **Waste Minimization Assessment**

Dear Stanley Huey:

Your business has been selected to receive a hazardous waste minimization assessment. As you are probably aware, hazardous waste reduction has become a statewide, if not a national, issue. To address this issue at a county level, Alameda County is establishing its own Hazardous Waste Minimization Program and is planning to conduct waste minimization assessments for all hazardous waste generating facilities in the County.

We have chosen businesses in the auto repair industry to receive the first round of waste minimization assessments. It is our hope that these assessments will assist participating businesses in minimizing their hazardous wastes - and will give us further information on the best way to structure our minimization program.

One of our Hazardous Materials Specialists will be contacting you during the week of September 24 to arrange a meeting with you for an assessment of your business. During this meeting and assessment, the Specialist will work with you in examining your business's hazardous waste generating practices. The Specialist will then provide you with materials on waste reduction technology and assist you in setting up appropriate hazardous waste minimization practices.

We look forward to working with you in reducing the amount of hazardous waste your business generates. Of course, your comments and suggestions are encouraged; we need your input in order to best serve you! Please direct any comments and questions to Katherine Chesick at 415/271-4320.

Sincerely,

Edgar B. Howell

Edgar B. Howell, Chief,
Alameda County Hazardous Materials Division

EBH:kac

cc: Fire Department
Files