

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



12-20-02

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

December 19, 2002

Mr. Bahram Sazegar
California DOT
P.O. Box 23660
Oakland, CA 94623-0660

Dear Mr. Sazegar:

Subject: Fuel Leak Case RO0000225, 555 Hegenberger Rd., Oakland, CA 94621

Alameda County Environmental Health, Local Oversight Program (LOP), has received and reviewed the third quarter 2002 monitoring report for the referenced site. Monitoring results appear consistent with past results, indicating a TPHg, BTEX plume, which has migrated westerly from the former tank pit. MW3 continues to exhibit the highest TPHg and benzene concentration. Our office has the following technical comments:

- Our office concurs with the continuance of semi-annual monitoring for this site. Please try to maintain consistency in your monitoring, as it is noticed that this schedule has not been strictly adhered to the past year.
- Our office concurs with the discontinuance of the analysis of TPHd given the low levels seen in the past monitoring events. However, we do not concur with the conclusion that reported TPHd is the result of high boilers in the TPHg range.
- If the wells have not been surveyed by GPS for transmitting to the Geotracker Program, they should be.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Barney M. Chan'. The signature is fluid and cursive.

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mr. F. Poss, PSI, 4703 Tidewater Ave., Suite B, Oakland, CA 94601

Mon555HegRd

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



12-9-02

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

December 6, 2002

Mr. Jafar Rudsari
Department of Transportation
Box 23660
Oakland, CA 94623-0660

Dear Mr. Rudsari:

Subject: Fuel Leak Case RO0000225, Former Maintenance Station, 555 Hegenberger Rd.,
Oakland, CA 94621

Alameda County Environmental Health, Local Oversight Program (LOP), has received and reviewed the July 2002 Limited Soil and Groundwater Investigation and Fourth Quarter 2001 Semi-Annual Groundwater Monitoring and Sampling Report prepared by Geocon Consultants. This review follows our recent conversation regarding your inquiry on the status of the site. I believe you stated that the first 2002 semi-annual monitoring report for this site was going to be sent to our office shortly. Based upon my review of this report, I offer the following technical comments and observations:

- Soil samples from only two of the four investigative borings were analyzed for the proposed chemical compounds. One of the two soil samples was from the boring located within the former tank pit, which would constitute backfill material. What was the reason for this?
- Based upon the historical monitoring results, MTBE may not be a chemical of concern, however, it was detected by EPA Method 8020 and should be confirmed by EPA Method 8260. Our office recommends the analysis of MTBE in the groundwater sample from MW-3 (only) using EPA Method 8260. In addition, the other oxygenates TAME, ETBE, DIPE and TBA as well as EDB and EDC should also be run by this method on this sample.
- Our office recommends, at a minimum, the completion of semi-annual monitoring for 2002, prior to evaluating the site for case closure. Prior to closure recommendation, you should perform/provide the following: a sensitive receptor survey (wells, surface water and utilities), human health and ecological risk assessment, gradient flow (rose) diagram and historical depth to water table. Your risk assessment should be consistent with the City of Oakland Urban Land Redevelopment Guidance Document and the SFRWQCB RBSL document. Please be aware that a particle size analysis is recommended to verify soil type when using the City of Oakland Guidance Document.

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. R. Day, Geocon Consultants, 2356 Research Drive, Livermore, CA 94550-3848

555HegRdcomment

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



12-4-01

December 3, 2001
StID#2189/RO0000225

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

Mr. Aaron Bennett
Department of Transportation
Box 23660
Oakland CA 94623-0660

**Re: Work Plan for Soil and Groundwater Investigation and Semi-Annual
Monitoring and Sampling, 555 Hegenberger Rd., Oakland CA 94621**

Dear Mr. Bennett:

Our office has received and reviewed the November 21, 2001 referenced work plan for the former Cal Trans Maintenance facility. This work plan was requested in my August 8, 2001 letter to Ms. Frances Maroni of your office. As you are aware, four borings are proposed to determine the limits of the petroleum contaminant release from the former gasoline and diesel tanks at this site. Two of the borings are proposed off-site, down-gradient of the former tanks on the GMC property. In addition, an up-gradient boring and a boring within the former tank pit will attempt to clarify if off-site sources exist and whether a significant source remains within the tank pit. Soil and grab groundwater samples will be collected from each boring. These samples will be analyzed for Total Petroleum Hydrocarbons as diesel and as gasoline, BTEX and MTBE. If the volatile compounds BTEX or MTBE are detected by EPA 8020, EPA Method 8260 will be run on the sample.

Immediately after this investigation, a semi-annual monitoring event will be performed on the existing five (5) monitoring wells. A cumulative report will be prepared for this work. This work plan is approved. Please continue semi-annual monitoring once this scheduled monitoring event occurs.

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. M. Hanko, Geocon Consultants, 2356 Research Drive, Livermore, CA 94550-3848
Mr. G. Keith West, GMC, Argonaut "A"-1004 H, 485 W. Milwaukee Ave., Detroit,
MI 48202

Wpap555HegRd

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



08-08-01

August 8, 2001
StID # 2189/ RO0000225 ✓

Ms. Frances Maroni
Department of Transportation
Box 23660
Oakland CA 94623-0660

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

**Re: Request for Work Plan for Additional Site Investigation at 555 Hegenberger Rd.,
Oakland CA, 94621, former Maintenance Station**

Dear Ms. Maroni:

Our office has received and reviewed the June 2001 Semi-Annual Groundwater Monitoring Report for the First Quarter 2001 for the above referenced former Cal Trans Maintenance facility. This is the first semi-annual monitoring event since the 2/18/98 event. Several observations can be made from this report, including the following:

- Groundwater gradient appeared to have a radial flow pattern emanating from MW1, however, it appears that there is a predominant northwesterly gradient.
- MTBE was not detected using EPA Method 8260, therefore, it does not appear to be a contaminant of concern.
- Groundwater TPH concentrations have not stabilized. This may be an indication that a contaminant source remains at the site.
- Further site characterization as previously recommended and concurred by our office is necessary to determine the extent of the groundwater plume. Our office recommends additional groundwater sampling up-gradient, down-gradient and within the former underground tank pit. Temporary borings may be more cost effective at this time.

Please submit a work plan for additional site characterization within 45 days or no later than September 21, 2001.

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. Ross White, Geocon Consultants, Inc., 11375 Sunrise Park Drive, Suite 100, Rancho
Cordova, CA 95742

Wprq555HegRd

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0225

ENVIRONMENTAL HEALTH SERVICES

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

August 4, 1999
StID # 2189

Mr. Christopher Wilson
Dept. of Transportation
Box 23660
Oakland CA 94623-0660

**Re: Request for Technical Reports for 555 Hegenberger Rd., Oakland CA 94621
Former Cal Trans Maintenance Facility**

Dear Mr. Wilson:

Our office last corresponded with you in my July 31, 1998 letter, which commented on the June 1998 Groundwater Monitoring Report prepared by Geocon, your consultant. Your July 28, 1998 letter accompanied this report. Your letter stated that there appeared to be very little attenuation in groundwater concentrations, the presence of the oxygenate MTBE was puzzling due to the age of the removed tanks and there appeared to be a threat of up-gradient contamination from two operating gasoline stations. Your recommendation was to collect soil and groundwater samples on the eastern perimeter of the site to determine if there really was an up-gradient source.

In my July 31, 1998 letter (copy enclosed), I also recognized that groundwater concentrations had not stabilized. It appeared that conditions were not optimal for natural aerobic bio-degradation. The dissolved oxygen and oxidation-reduction potential were not as high or positive as one would like to see. I had previously recommended the addition of oxygen to groundwater, perhaps via oxygen releasing compound. My observation regarding the elevated petroleum concentration was that there appeared to be increasing concentration with elevated groundwater levels, although there wasn't enough monitoring data to "prove" this. My theory regarding the MTBE reported in the 2/98 event was that it should be verified using a GC/MS analytical method. MTBE at low concentrations often is mistakenly identified when using EPA Method 8020 since there is overlap of gasoline constituents in the MTBE range. Lastly, I requested that you adhere to semi-annual monitoring.

Your consultant recommended that additional monitoring wells be installed to further define the lateral extent of the dissolved petroleum plume and to evaluate the potential for contributory off-site sources. This would infer that both up and down-gradient wells should be installed. They further recommended that future monitoring include geochemical analysis for the evaluation of bio-remediation.

To date, our office has not received any reports subsequent to the **June 1998 Groundwater Monitoring Report**. Please submit a semi-annual monitoring report(s) to our office **within 45 days or no later than September 20, 1999**. Please insure that MTBE is confirmed using a GC/MS technique. In theory, you should have sampled the wells twice according to a semi-annual schedule since the February 1998 sampling event. In addition, please submit a work plan

Mr. C. Wilson
StID # 2189
555 Hegenberger Rd.
August 4, 1999
Page 2.

to determine the extent of the petroleum plume. This should include, at a minimum, down-gradient wells. You may also wish to include up-gradient borings, the analysis of bio-remediation parameters in existing wells and the addition of oxygen releasing compound. Please note that the "up-gradient" gasoline stations identified in your letter, Shell and ARCO, have determined their site specific groundwater gradient to be north-northeasterly. Thus, they might dispute that they are "up-gradient".

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. John Juhrend, Geocon Environmental Consultants, 11375 Sunrise Park Drive, Suite 100
Rancho Cordova, CA 95742

Mr. G. Keith West, GMC, Argonaut "A"-1004 H, 485 W. Milwaukee Ave., Detroit MI 48202

Reps-555Heg

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0# 225

July 31, 1998
StID # 2189

Mr. Christopher Wilson
Department of Transportation
Box 23660
Oakland CA 94623-0660

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

Re: Subsurface Investigation at 555 Hegenberger Rd., former Maintenance Facility, Oakland
CA 94621

Dear Mr. Wilson:

Our office has received and reviewed the June 1998 Groundwater Monitoring Report First Quarter 1998 for the above site as prepared by Geocon. As mentioned in the report, it appears that conditions are not optimal for natural bioremediation ie the dissolved oxygen levels are fairly low and the oxygen-reduction potential is indicative of reducing conditions. The concentration of Total Petroleum Hydrocarbons as gasoline and as diesel are also elevated, above historical levels.

Unlike your conclusion that an off-site up-gradient source is present, I believe that current conditions are not optimal for natural biodegradation. Elevated TPH concentration may be the result of the elevated groundwater level from the heavy rains of the past year. It is unfortunate that groundwater monitoring did not occur in 1997 so as to have a better picture of the concentrations trend. Please adhere to the semi-annual monitoring schedule recommended in my January 1997 letter. There appears to be a larger increase in TPH contamination in wells down-gradient to the former tanks and dispensers versus the up-gradient wells.

The recently detected MTBE found in wells should be verified using EPA Method 8240 or 8260. The low levels detected in the February 1998 are potentially false positives due to analysis by Method 8020. Please run MTBE in your next monitoring event by either of the confirmatory methods mentioned. Please consider the addition of oxygen releasing compound into the existing wells to enhance bioremediation.

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. R. Walls, Geocon Env. Consultants, 3235 Sunrise Blvd., Suite 6, Rancho Cordova,
CA, 95742

2mon555

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



Ro# 225

July 2, 1997
StID # 2189

Ms. Judy Nam
Department of Transportation
Box 23660
Oakland CA 94623-0660

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

**Re: Groundwater Monitoring at 555 Hegenberger Rd., former
Maintenance Facility, Oakland CA 94621**

Dear Ms. Nam:

This letter responds to your request to clarify the monitoring requirements for the above site. Please refer to my January 21, 1997 letter to Mr. Christopher Wilson which requested continued groundwater monitoring on a semi-annual basis. This recommendation is based on the evaluation of Mr. Wilson's January 6, 1997 letter to this office whereby intrinsic bioremediation was not clearly demonstrated at this site. This report concluded that there was no supportive relationship with dissolved oxygen (DO) versus dissolved BTEX concentrations, or any consistent relationship between DO and benzene concentration.

Because natural bioremediation is a critical part of the monitoring risk-based closure approach, additional monitoring is necessary to verify that it is occurring and that conditions are conducive for this to occur.

Therefore, please monitor the existing wells on a semi-annual basis for the following parameters:

- * TPHg, TPHd, BTEX, MTBE
- * dissolved oxygen, oxidation-reduction potential, nitrate, sulfate and ferrous iron
- * on a one-time basis, please analyze groundwater for the presence of hydrocarbon utilizing microbes (HUM)

Enclosed please find a copy of the document,

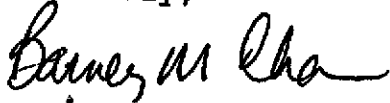
Protocol for Monitoring Intrinsic Bioremediation in Groundwater
and a list of labs certified for the bioassay of HUM.

I realize that the initial schedule for monitoring, May and November 1997, must now be changed to July 97 and January 98.

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

Ms. Judy Nam
StID # 2189
555 Hegenberger Rd.
July 2, 1997
Page 2.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

enclosure

c: B. Chan, files
Mr. R. Walls, Geocon Env. Consultants, 3235 Sunrise Blvd.,
Suite 6, Rancho Cordova, CA 95742

2mon555

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



70225

January 21, 1997
StID # 2189

Mr. Christopher Wilson
Department of Transportation
Box 23660
Oakland CA 94623-0660

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

**Re: Groundwater Monitoring at 555 Hegenberger Rd., former
Maintenance Facility, Oakland CA 94621**

Dear Mr. Wilson:

Our office has received and reviewed the December Geocon Fourth Quarter 1996 Groundwater Monitoring Report for the above site. This letter serves to respond to your inquiry as to whether further groundwater monitoring is recommended by our office.

At this time, it appears that not all the criteria of a "low risk groundwater site" have been met. There is question as to whether a trend in groundwater concentration has been established and whether natural biodegradation is occurring. Your initial analysis of dissolved oxygen versus concentration and dissolved oxygen versus degradation rate of benzene do not confirm that biodegradation is occurring or at least at a constant rate. Perhaps the decreased rate of benzene degradation is related to the elevated TPHg and BTEX concentrations in these wells.

In addition, when groundwater contaminant concentrations have been established, you are required to show that no significant risk to human health or the environment exists. The ASTM Risk Based Corrective Action (RBCA) format should be used for this.

Our office recommends continued groundwater monitoring on a semi-annual basis ie May 1997 and November 1997. We also recommend that during these events you analyze for petroleum hydrocarbon utilizing microbes. In addition, when you conclude that groundwater concentrations have equilibrated, please prepare a Tier 1 Risk Assessment for the site. You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

c: B. Chan, files

R. Walls, Geocon Env. Consultants, 3235 Sunrise Blvd., Suite
6, Rancho Cordova, CA 95742 mon555

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0225

RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700

September 19, 1995
StID # 2189

Mr. Timir Mehta
Department of Transportation
Box 23660
Oakland CA 94623-0660

Re: Request for Implementation of Work Plan for 555 Hegenberger Rd., Oakland 94621, former CalTrans Facility

Dear Mr. Mehta:

Our office has received and reviewed the final work plan for 555 Hegenberger Rd. as prepared by your consultant, Geocon. This work plan incorporates my comments as communicated in my June 21, 1995 letter and subsequent telephone conversations. Therefore, this work plan is acceptable and work should proceed as soon as possible given the lapse of time since the four underground tanks were removed.

Please submit a time schedule for the performance of this work plan. You should also be aware that quarterly groundwater monitoring will be required for this site after the wells have been installed.

You are also requested to contact me at least 48 working hours prior to your field work so I may arrange to witness some of these activities if possible.

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

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office
R. Dong, Cal Trans
G. Young, files

wpimp555

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0225

RAFAT A. SHAHID, Director

August 22, 1995
StID # 2189

Mr. Tim Metha
Department of Transportation
Box 23660
Oakland CA 94623-0660

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

**Re: Comment on August 1995 Draft Site Investigation Workplan for
Hegenberger Maintenance Station, 555 Hegenberger Rd, Oakland**

Dear Mr. Metha:

Our office has received and reviewed a fax copy of the above referenced work plan as prepared by your consultant, Geocon Environmental Consultants (Geocon). This work plan addresses my previous comments on their prior June 20, 1995 Draft Work Plan. I have also spoken with Mr. Ron Dong of your staff and stated that the work plan is approved with the following conditions:

1. In boring BH1, proposed to be placed within the former tank pit, you should attempt to take soil and grab groundwater samples. There is no need to analyze "clean fill" soils which were used to backfill the pit.
2. Please have all wells surveyed to mean sea level. This way neighboring sites can also be evaluated to determine the groundwater flow direction of the immediate area.
3. Please forward a copy of this work plan signed and stamped by the lead registered professional.

You should proceed with this investigation as soon as possible. Please contact me at least 48 working hours prior to your field work. I may be reached at (510) 567-6765.

Sincerely,

A handwritten signature in cursive script, appearing to read "Barney M. Chan".

Barney M. Chan
Hazardous Materials Specialist

cc: Mr. Ron Dong, Cal Trans
G. Jensen, Alameda County DA Office
L. Todd, files

2-555dr

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0225

RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700

June 21, 1995
StID # 2189

Mr. Tim Mehta
Department of Transportation
Box 23660
Oakland CA 94623-0660

Re: Comment on June 20, 1995 Draft Work Plan for Subsurface Investigation at 555 Hegenberger Rd., Oakland 94621

Dear Mr. Mehta:

I have received and reviewed the above referenced work plan as prepared and delivered by Mr. Ronald Dong of your office. He also sent me a copy of the essential parts of the December 1994 Tank Removal Report for this site as prepared by GHH Engineering Inc. I don't know whether this report was ever sent to me, however, I requested that Mr. Dong send me an entire copy.

Based on the analytical results stated in the tank removal report and the observations noted during the tank removal, I have the following observations and comments to the Draft Work Plan. Please contact me to discuss these comments at your earliest convenience.

Observations:

1. There appears to be three areas identified in the report which warrant further investigation: around both diesel tanks and along the pump island. One would expect potential problems around the diesel tanks since these tanks had obvious holes observed in them especially the northern tank.
2. Based on the groundwater monitoring data from 625 Hegenberger Rd. we would anticipate that the groundwater gradient at this site is west-southwesterly. Groundwater, contrary to what was observed at the time of the removal, is expected to be unconfined and at a depth of approximately 10' bgs.
3. Since there is evidence of soil and groundwater contamination to the west of the former tank pit (GMC-Clayton Environmental borings report) I'm recommending a monitoring well to the west of this area.
4. As mentioned to Mr. Ron Dong of your office, the depth of soil samples to be analyzed in the borings is dependent on field conditions. Typically, soil samples are taken for screening or analysis every five feet or at locations of noticeable contamination. This should be left to the geologist at time of the drilling.

Mr. T. Mehta
StID # 2189
June 21, 1995
Page 2.

My next comments relate directly to the Draft Work Plan. I think that the proposed number of wells and borings should be adequate to assess this site. My recommendations will not significantly change the number of borings/wells, however, they will hopefully optimize the amount of data available to render a recommendation for further action.

1. Based on the extent of soil already removed from the tank pit, I do not recommend any borings or wells within the tank pit.

2. In an attempt to further define the limits of soil and groundwater contamination the attached modified site map reflects my recommendation for location of borings/wells. Specifically, I recommend for:

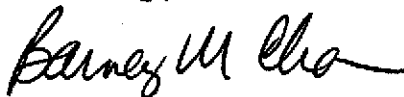
- B-1 no change in location, sample depths based on field observ.
- B-2 move west beyond the tank pit, " " " " "
- B-3 move north toward the east end of the diesel tank, " "
- B-4 move outside pit, south of the diesel tank, " " "
- B-5 eliminate, unnecessary
- B-6 no change
- MW1 move to the west beyond the GMC borings.
- MW2 no change
- MW3 move to the west to determine extent of GW contamination.
- MW4 no change
- MW5 move downgradient to the piping run to determine GW impact.

Our office agrees that quarterly groundwater monitoring should commence after this work is performed. Further recommendations will depend on the results of the investigation and monitoring.

As previously mentioned, our office requests an updated written schedule for the schedule presented earlier by your office.

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

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: Mr. R. Dong, Cal Trans
G. Jensen, District Attorney Office
J. Makishima, files

555Draft

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



Site: 555 Hegenberger Rd.

R0225

November 9, 1994
StID #2189

Cal Trans
Ms. Dianne Steinhauser
111 Grand Ave., 13th Floor
Oakland CA 94612-3771

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
ALAMEDA COUNTY CC4580
DEPT. OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION DIVISION
1131 HARBOR BAY PKWY., #250
ALAMEDA CA 94502-6577

**Re: Request for Technical Reports for Underground Tank Removals
at Hegenberger Rd., Oakland CA 94621**

Dear Ms. Steinhauser:

As you are aware, the four underground tanks at the above site were removed by GHH Engineering on September 22, 1994. Present from Cal Trans were Mr. Dave Mohanty, Mr. Michael Hilliard, Ms. Allison Parker and others with Mr. Mohanty being present the majority of the time. Contaminated soil, floating product and a severely perforated tanks were observed during the removal. The two outermost tanks were the ones where the significant sized holes were observed. Limited overexcavation of the contaminated soil was performed since no attempt to remove all of the affected soils. It was acknowledged that the remediation phase of the site investigation would address the residual soil contamination and the delineation of the soil and groundwater contamination.

This letter serves to request the following technical reports:

1. A complete tank closure report including all soil results, appropriate site map, copies of tank manifests and any other contaminated spoils or water disposed and a narrative of the activities and observations. In accordance to the underground tank closure application, this report should be received by our office **within 60 days of the tank removal or by November 22, 1994.**
2. A up-to-date schedule for the determination and investigation of the extent of contamination. This investigation must include the installation of monitoring well(s). The preliminary schedule should be modified to incorporate the tank removal date of September 1994.

Please submit these documents by the above date, November 22, 1994. This request is pursuant to the California Water Board Section 13267 (b) and Title 23 the California Code of Regulations, Chapter 16, Section 2652 (d).

Ms. D. Steinhauser
StID # 2189
555 Hegenberger Rd.
November 9, 1994
Page 2.

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

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office
T. Metha, Cal Trans, 111 Grand Ave., 13th Floor, Oakland
94612-3771
E. Howell, file

1rep555

Alameda County Health Care Services Agency, Department of
Environmental Health, Hazardous Materials Division

In Re The Property Known As :
Cal Trans Facility
555 Hegenberger Rd.
Oakland CA 94621

Proof of Service of
Notice of
Pre-Enforcement
Review Panel

I Barney Chan, do hereby certify
that I served Ms. Dianne Steinhauser, 111 Grand Ave., 13th
Floor, Oakland CA 94612-3771
with a copy of the attached Notice of Pre-Enforcement Review
Panel on June 7, 1994 by certified
mailer # P 029 244 657

Dated: 06/07/94

Barney Chan
(signature)

**Alameda County Health Care Services Agency, Department of
Environmental Health, Hazardous Materials Division**

In Re The Property Known As :)
 Cal Trans Facility)
 555 Hegenberger Rd.)
 Oakland CA 94621)

Notice of Reset of
 Pre-Enforcement
 Review Panel

 (insert address of property)

Notice is hereby given that upon the motion of the Alameda County Hazardous Materials Division, and the San Francisco Bay Regional Water Quality Control Board a **Review Panel** will convene on June 21, 1994 at 11:45 am in the offices of the Alameda County Hazardous Materials Division located at 80 Swan Way, Room 200, Oakland, CA 94621. This **Review Panel** will convene for the purpose of determining responsible parties as well as appropriate closure, site assessment, clean-up and mitigation of contamination at the above location.

The Alameda County Hazardous Materials Division, and the San Francisco Bay Regional Water Quality Control Board have named and served notice of this **Review Panel** on the following persons or entities as having proposed responsibility for closure, site assessment, clean-up and mitigation of contamination at the above location, and by this notice all parties named herein are informed of the right to appear and show cause, if any they have, for the exclusion or inclusion of any of the parties served herein from said responsibility or obligations:

1. Ms. Dianne Steinhauser, Cal Trans

(name)

111 Grand Ave., 13th Floor, Oakland CA 94612-3771

(address)

Dated: 6/07/94

Barney Che

 (signature)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0225

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

April 20, 1994
StID # 2189

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

Cal Trans
Ms. Diane Steinhauser
111 Grand Ave., 13th Floor
Oakland, CA 94612-3771

**Re: Tank Removal and Investigation at 555 Hegenberger Rd.,
Oakland CA 94621, former Cal Trans Facility.**

Dear Ms. Steinhauser:

Our office received the package of reports dated March 8, 1994 on March 14, 1994 as hand delivered to me by Mr. Mohanty of your office. We also received the Unauthorized Leak Report (ULR) the following day. Our office is willing to accept that funding, thus work will not occur until July 1994, however, you should be aware of the following conditions:

1. The work plan, which I requested previously, was for the further investigation and potential remediation of this site. It was not for a description of the tank removal process. Enclosed, please find a copy of **Appendix A, Workplan for Initial Subsurface Investigation**. This is a guidance document prepared by the Regional Water Quality Control Board (RWQCB) which lists the common elements of a work plan for the initial investigation of a fuel release site. This is what is required after the tank removals are accomplished.

2. Please provide written confirmation as to your scheduled date for the following items:

a. Submission of a **specific** tank closure application as awarded to a specific contractor.

b. The date, to your best estimate, as to when the tanks will be removed, assuming no delay in the approval of the tank removal application.

c. The date as to when a site specific work plan for additional subsurface characterization will be submitted.

Please provide written response to this request **within 30 days or by May 23, 1994**. Assuming your schedule is agreeable by our office, failure to meet these scheduled dates will cause this case to be referred to the District Attorney's Office for enforcement.

Ms. Diane Steinhauser
StID # 2189
555 Hegenberger Rd.
April 20, 1994
Page 2.

You may contact me at (510) 271-4530 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office
E. Howell, files

UST555

enclosure (Ms.Steinhauser)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY



DAVID J. KEARS, Agency Director

February 4, 1994
StID # 2189

Cal Trans
Ms. Diane Steinhauser
111 Grand Ave., 13th Floor
Oakland CA 94612-3771

R0225
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

FINAL NOTICE OF VIOLATION

**Re: Request for Technical Reports and Underground Tank Removals
at 555 Hegenberger Rd., Oakland CA 94621, former Cal Trans
Facility.**

Dear Ms. Steinhauser:

Our office has received your letter of January 26, 1994 which states the difficulties encountered in obtaining funds to remove underground tanks and investigate and remediate the above referenced site. Though you are optimistic that this problem will be resolved, your letter is not specific as to when this might happen.

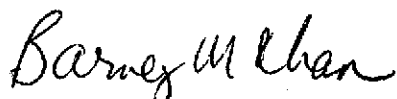
I have discussed this case with the District Attorney Office. I have informed their office that the initial removal of underground tanks was started in December of 1992 but the excavation was covered-up and asphalted over until additional funds could be obtained to remove the additional discovered tank. I have informed their office that borings adjacent to these tanks indicate petroleum hydrocarbon contamination in soil and groundwater likely coming from these tanks. They are also aware that our request for a new closure application, a completed Unauthorized Release Form (URF) and a work plan for further investigation have not been provided. These items have been requested in my initial letter dated July 26, 1993 and two Notice of Violation letters, dated September 7, 1993 and October 12, 1993.

I have been instructed by the District Attorney Office to give Cal Trans a final opportunity to comply with my request for forms and technical reports. Please provide the requested technical reports to our office **within 30 days or by March 8, 1994.** Failure to provide these documents will cause this case to be referred to the District Attorney Office for enforcement.

Ms. Dianne Steinhauser- Cal Trans
StID # 2189
555 Hegenberger Rd.
February 4, 1994
Page 2.

You may contact me at (510) 271-4530 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office
E. Howell, files

FNOV555

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0225

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

October 12, 1993
StID # 2189

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

Cal Trans
Ms. Diane Steinhauser
111 Grand Ave., 13th Floor
Oakland CA 94612-3771

SECOND NOTICE OF VIOLATION

**Re: Request for Subsurface Investigation and Underground Tank
Removal at 555 Hegenberger Rd., Oakland CA 94621, former
Cal Trans Facility**

Dear Ms. Steinhauser:

Our office previously sent our correspondence to Mr. Mark Avila and Ms. Barbara Webb of your office. I have since been informed that you are the contact person regarding the removal of underground storage tanks and any subsequent investigation. I was also told that my previous correspondence has been given to you for your attention.

To recap, existing underground tanks were scheduled for removal on December 1, 1992. Because of their size, the excavation contract was sent out to rebid. After noticing significant delay, our office wrote initially to Mr. Avila on July 26, 1993 and then to Ms. Webb on September 7, 1993 in a Notice of Violation. This site was given a high priority when a subsurface investigation, performed by Clayton Environmental for GMC, identified high levels of petroleum contamination in soil and grab water samples in borings installed adjacent to the Cal/Trans tank pit. In the Notice of Violation, our office requested the completion and submittal of an Unauthorized Release (Leak) Report by September 23, 1993 and the submittal of a new underground tank closure form by October 9, 1993. To this date, our office has yet to receive the requested documents. Ms. Webb was also advised to retain a consultant in order to provide a work plan for further subsurface investigation given the likely contamination emanating from this site.

Please submit the requested documents to our office within 30 days or by November 15, 1993.

Ms. Diane Steinhauser
555 Hegenberger Rd.
StID # 2189
October 12, 1993
Page 2.

You may contact me at (510) 271-4530 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office
E. Howell, files
2NOV-555

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0225

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

September 7, 1993
StID # 2189

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

Cal Trans
Ms. Barbara Webb
111 Grand Ave., 13th Floor
Oakland CA 94612-3771

NOTICE OF VIOLATION

**Re: Request for Subsurface Investigation and Underground Tank
Removal at 555 Hegenberger Rd., Oakland CA 94621, former
Cal Trans Facility**

Dear Ms. Webb:

Our office last wrote to Mr. Mark Avila of your office in our July 26, 1993 letter concerning the underground tank removal and subsurface investigation at the above referenced site. Please refer to this letter. You may call me for a copy if it is not available from Mr. Avila. In this letter, Cal Trans was informed of the potential release of the underground tanks at this site and requested to inform our office when the underground tanks would be removed and when a work plan for subsurface investigation would be submitted. Cal Trans was requested to provide this information within 30 days of receipt of this letter or by August 26, 1993. To this date, our office has not received this information.

Our office has recently received a copy of the September 1, 1993 Clayton Environmental report detailing the results of soil and grab groundwater samples from borings taken adjacent to the Cal Trans site. I have also witnessed the boring locations and they are within 15 feet of the patched underground tank pit on the Cal Trans site. Given the anticipated groundwater direction and the remoteness of GMC's underground tanks, the reported petroleum release in this report is likely from the existing Cal Trans underground tanks. For your information, soil samples reported up to 820 parts per million (ppm) Total Oil and Grease (TOG), 700 ppm diesel and 340 ppm gasoline. In addition, groundwater samples indicated up to 47 ppm diesel and 0.78 ppm gasoline.

Please submit a new underground tank closure form to our office within 30 days or by October 9, 1993. You should also retain a consultant to provide a work plan for further subsurface investigation. This work plan should be submitted 30 days after the underground tanks are removed.

Ms. Barbara Webb
StID # 2189
555 Hegenberger Rd.
September 7, 1993
Page 2.

Please be aware that until the underground tanks are removed and a work plan for subsurface investigation is submitted, our office considers these tanks to have been closed illegally. You should also be aware that the California Health and Safety Code (CH&SC), Division 20, Chapter 6.7, Section 25298 (c) 4 states that no person shall close an underground tank unless that person has taken steps to demonstrate to the appropriate agency that the site has been investigated to determine if there are any present, or were past releases, and if so that appropriate corrective or remedial actions have been taken. Section 25299 (5) allows for the civil penalty of not less than \$500 or more than \$5000 for each underground tank and for each day the owner or operator fails to properly close an underground tank.

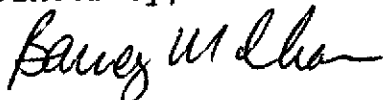
Enclosed please find an Underground Storage Tank Unauthorized Release (Leak)/ Contamination Site Report (ULR). Please complete this form and return to our office **within 10 days, or by September 23, 1993.**

You should consider this a formal request for technical reports pursuant to the California Water Code Section 13267 (b). All documents including work plans, analytical results, forms and reports should be sent to our office since we are acting in behalf of the Regional Water Quality Control Board (RWQCB) by overseeing cases of fuel release to the waters of the state.

This site has been transferred to the Local Oversight Program (LOP) section of Alameda County Environmental Health and you have been notified of this through our **Notice of Requirement to Reimburse** letter.

You may contact me at (510) 271-4530 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office
E. Howell, files
NOV-555Heg

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0225

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

July 26, 1993

Cal Trans
Mr. Mark Avila
111 Grand Ave., 13th Floor
Oakland CA 94612-3771

**Re: Request for Subsurface Investigation at 555 Hegenberger Rd.,
Oakland CA 94621, former Cal Trans Facility**

Dear Mr. Avila:

This letter serves to recount our conversation today regarding the above referenced site. Recall, this site initially scheduled the removal of four underground tanks on December 1992. Upon finding much larger sized tanks than anticipated, the removal was stopped pending the rebidding of the removal for the actual sized containers. Nearly eight months went by until I was informed today of Phase II results performed by the consultant for GMC located at 8099 S. Coliseum Way. According to the consultant, a number of soil borings were taken within 15-20 feet from the property line of GMC and the former Cal Trans facility at 555 Hegenberger Road. The borings encountered free petroleum product, a result which will require immediate investigation and remediation. Because of the close proximity of these borings to the Cal Trans site and the assumed northwesterly groundwater gradient, the contamination being found in the borings is likely coming from the Cal Trans site.

GMC will be removing their underground tanks early August 1993. These tanks are located approximately 200 feet away from the previously mentioned borings.


At this time, it is appropriate for our office to request the expediting of the removal of the four underground tanks at 555 Hegenberger Rd. These tanks are a likely source of the petroleum hydrocarbon contamination being found in the borings just off-site of this property. Please be aware that Title 23 of the California Code of Regulations, Chapter 16 Underground Tank Regulations requires a soil and groundwater investigation where free product is found at the site where an unauthorized release has occurred (Section 2724(c)). In addition section 2655 (b) requires the removal of free product by the owner or operator in a manner that minimizes the spread of contamination into previously uncontaminated zones by using appropriate recovery and disposal techniques.

Mark Avila
555 Hegenberger Rd.-Cal Trans
StID # 2189
July 26, 1993
Page 2.

Through our conversation, there appears to be avenues which Cal Trans can take to address emergency situations such as this one. This letter serves to inform you of our office's opinion that this site is considered a high priority. Because of this, you should reply to this letter **within 30 days of receipt of this letter or by August 26, 1993.** This letter should inform our office when the underground tanks will be removed and when a work plan for subsurface investigation will be provided our office.

You may contact me at (510) 271-4530 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office
E. Howell, files

2-555HegRd.

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Director



R0025

October 10, 1991

Telephone Number (415)

Mr. Doug Link
Cal/Trans, Right-of-Way
Environmental Engineering Group
P.O. Box 7310
San Francisco, CA 94120

Re: Underground Tanks at 555 Hegenberger Rd., Oakland CA 94621

SECOND NOTICE OF VIOLATION

Dear Mr. Link:

Mr. Manuel Miranda of Cal/Trans' Environmental Group was initially informed of your legal obligation regarding the underground tanks at the above address on a June 6, 1991 Notice of Violation from our office. He was requested to notify our office within ten days of Cal/Trans' intentions to correct this violation. To this date, we have not received any response. The appropriate forms to register or remove the tanks were also included in the June 6th notification.

Again you are reminded the sections 25299 and 25298 of the California Health and Safety Code require that the owner or operator of an underground tank either register and obtain an operating permit or properly close the underground tank. Note that there are civil penalties for the failure to perform either action.

Please inform this office in writing within ten (10) days of this letter as to your intentions to correct this violation. You may contact me at (510)271-4320 should you have any questions regarding this letter.

Sincerely,

A handwritten signature in cursive script that reads "Barney M. Chan".

Barney M. Chan
Hazardous Materials Specialist

cc: Gil Jensen, Alameda County District Attorney, Consumer and
Environmental Protection Division
Jim Ross, Cal/Trans, 150 Oak St., San Francisco, CA 94102

555Heg2nd

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0225

June 6, 1991
Certified Mailer # P 367 604 365

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

Mr. Manuel Miranda
Environmental Coordinator
Cal Trans
150 Oak St.
San Francisco CA 94102

Re: Underground Tanks at 555 Hegenberger Rd., Oakland CA 94621

NOTICE OF VIOLATION

Dear Mr. Miranda:

An inspection was conducted of the above address on April 29, 1991 by Barney Chan of our office. It was determined from this inspection that underground storage tanks exists at this site.

Please note that section 25299 of the California Health and Safety Code states that any operator or owner of an underground storage tank is liable for a civil penalty of not less than five hundred dollars or more than five thousand dollars per day for failure to obtain a permit, or failing to properly close an underground storage tank, as required by section 25298. You must therefore either register and permit or remove the underground tanks unless you provide evidence that proper closure has already occurred.

Enclosed please find the appropriate forms to either register and permit or remove these tanks. Please contact this office within ten (10) days and notify us of you intentions to correct this violation. In addition, please send this office a copy of the receipt for the disposal of the various oil and solvent wastes which were scheduled for removal at this site.

You may contact me at 271-4320 should you have any questions.

Sincerely,

Barney M. Chan,
Hazardous Materials Specialist

enclosure

cc: Gil Jensen, Alameda County District Attorney, Consumer and
Environmental Protection Agency
Edgar Howell, Chief, Hazardous Materials Division
555HegRd

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