Drogos, Donna, Env. Health

From: Drogos, Donna, Env. Health
Sent: Wednesday, June 14, 2006 2:09 PM
To: 'bwright@cameron-cole.com'
Subject:
Attachments: ftpUploadInstructions_2006_0531.pdf

Hi Brad, Attached is the procedure for posting to our website. Thanks, Donna

Donna L. Drogos, PE
LOP Program Manager
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

510-567-6721
donna.drogos@acgov.org

Chan, Barney, Env. Health
From: Sue Patton [SMTP:SPatton@actransit.org]
Sent: Monday, July 09, 2001 2:08 PM
To: 'Chan, Barney, Env. Health'
Subject: RE: recent ACEHS letter

#1233

Brad Wright's address, new company name and e-mail:

Cameron-Cole, LLC
101 W. Atlantic Ave., Bldg 90
Alameda, CA 94501
e-mail: bwright@safety-kleen.com

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

From: **Chan, Barney, Env. Health [mailto:BChan@co.alameda.ca.us]**
Sent: Monday, July 09, 2001 1:44 PM
To: 'SPatton@actransit.org'
Subject: recent ACEHS letter

Please find the attached 6/26/01 County letter. Call me if you have any questions (510) 567-6765.

Sincerely,

Barney Chan

<<Rem1100Seminary.doc>>

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

June 26, 2001
StID 1233/ RO0000296

Ms. Suzanne Patton
AC Transit
10626 E. 14th St.
Oakland CA 94603

Re: AC Transit, 1100 Seminary Ave., Oakland CA 94621

Dear Ms. Patton:

Our office has received and reviewed the May 7, 2001 monitoring report for the referenced site prepared by Safety-Kleen Consulting. Analytical results appear consistent with past results. As you have noted, there appears to be a localized area of free and dissolved petroleum product near monitoring well MW-2. You have proposed to perform free product removal during each monitoring event. Our office encourages you to perform more aggressive remediation of free product by considering more frequent removals, over purging, and/or addition of chemical oxidants, surfactants, microbes et al. Once dissolved hydrocarbon concentrations have stabilized, you can consider requesting case closure.

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. B. Wright, Safety-Kleen Consulting, 2233 Santa Clara Ave., Alameda, CA 94501

Rem1100Seminary

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

March 27, 2001
StID # 1233

AC Transit
Ms. Suzanne Patton
10626 E. 14th St.
Oakland CA 94603

Re: Quarterly Groundwater Monitoring Report for AC Transit, 1100 Seminary Ave., Oakland 94621

Dear Ms. Patton:

Thank you for the submission of the March 14, 2001 Groundwater Monitoring Report for the above referenced site. The results appear consistent with pass results. It appears that a localized release of dissolved and free product remains near MW-2. At a minimum, free product removal should be performed from this well on a regular schedule. As recommended in my August 30, 2000 letter, you may want to consider some type of active remediation. You are reminded that as a requirement for closure as a low risk site, free product to the extent possible, should be removed.

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. B. Wright, Safety-Kleen Consulting, 2233 Santa Clara Ave., Alameda CA 94501
2-1100Seminary

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

August 30, 2000
StID # 1233

AC Transit
Ms. Suzanne Patton
10626 E. 14th St.
Oakland CA 94603

Re: Soil and Groundwater Investigation at AC Transit, 1100 Seminary Ave., Oakland CA 94621

Dear Ms. Patton:

Our office has received and reviewed the August 17, 2000 Groundwater Monitoring Report for the above site as prepared by Safety-Kleen, your consultant. This report details the analysis of groundwater samples for both petroleum constituents and inorganic bio-indicator parameters in the six existing wells. The analytical results are somewhat consistent with the past (2/00) sampling event in that only monitoring well MW-2 reported elevated TPH and BTEX concentrations. In fact, MW-2, as has been reported in the past, detected free product. The only difference noticed in the May 2000 and the February 2000 event is the distribution of the TPH. In the May 2000 event, TPH as motor oil or high boiler was reported as the predominant petroleum component whereas TPH as diesel and gasoline were mostly predominant in the February sampling. Is there a significance or explanation for this difference in TPH composition from quarter to quarter? Is this an analytical laboratory related issue?

In order to meet the requirements of site closure for a low risk groundwater site our office has the following observations and requirements:

- Prior to site closure, please have a groundwater sample from MW-2 analyzed to obtain a lower detection limit than <1000 ppb for MTBE.
- Please consider active remediation to remove the free product from within the area of MW-2. You might consider over-purging, dual phase extraction, chemical oxidation et al. At a minimum stable dissolved TPH concentrations must exist prior to closure.
- Please provide a more comprehensive evaluation of the bio-attenuation parameters collected from the wells. Each parameter (dissolved oxygen, oxidation-reduction potential, nitrate, sulfate and iron) should be evaluated to see if there is a positive, negative or neutral correlation with that which would be expected.
- In order to complete the chemical analysis on the former mechanic pit area, Mr. Brad Wright of Safety-Kleen offered to analyze a soil boring from SB-13 for the heavy metals; cadmium, chromium, lead, nickel and zinc. Please perform this analysis and include in your next quarterly report.

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. B. Wright, Safety-Kleen Consulting, 2233 Santa Clara Ave., Alameda CA 94501
1100Seminary

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

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

August 9, 1999
StID # 1233

AC Transit
Ms. Suzanne Patton
10626 E. 14th St.
Oakland CA 94603

Re: Subsurface Investigation at AC Transit, 1100 Seminary Ave., Oakland, CA 94621

Dear Ms. Patton:

Our office has received and reviewed the July 28, 1999 Subsurface Investigation Report for the above site as prepared by Environmental Decision Group (EDG). I have also discussed the contents of the report with Mr. Brad Wright of EDG. As you are aware, this report summarizes the historical data involving various environmental issues, details the results of the recent investigations and offers a recommendation for future work.

I would like to summarize my concerns and comments regarding the three areas of concern; the former underground fuel tanks, the former waste oil tanks and the former mechanic pit area.

The former waste oil tank pit was investigated by advancing borings 9-11 in the presumed location of these former tanks. Soil and groundwater samples from this area exhibited low TPH, and BTEX concentrations. MTBE, volatile organics, semi-volatiles and heavy metals did not appear to be a problem. However, groundwater was not found in all the borings and some problems were encountered while attempting to drill boring 10, which is why it was not analyzed. It was noted that Table 3 reported the benzene results for SB-9, SB-11 and SB-13 as less than 10 ppm, when it should actually have read less than 10 ppb. In addition, these borings did not encounter fill material typical of a tank backfill, leaving you to wonder where the tanks really were. However, since the locations are a best guess based on past figures and drawings, our office agrees, based on the available information, no further action is required for this area.

In the former mechanic pit area, borings 12-14 were advanced and soil and groundwater samples collected. These borings encountered typical tank backfill material, confirming the likelihood of this area being the former over-excavated pit area. The soil sample from SB-13 exhibited the highest TPH-mo (412 ppm), but did not detect any volatiles or semi-volatiles, with the exception of 53 ppm acetone, a common laboratory solvent. Due to laboratory error, the five heavy metals were not run on this sample. Mr. Wright stated he could attempt to recover this sample and have it run for the requested metals. Groundwater from SB-14 exhibited up to 9250 ppb TPHmo, however, no volatile organics or semi-volatile compounds were detected. The records indicate that the Water Board had approved reuse of excavated soil with TPHmo less than 1000ppm and the concentration of soil samples in this area are consistent with that which would have been permitted for reuse. With the exception of analyzing a soil sample for the requested heavy metals, no further action is required for this area.

The former fuel tank area remains a potential source of contamination. This is indicated by the presence of free product in MW-2 exhibiting gasoline, diesel, motor oil and BTEX. In addition, highly impacted soil and groundwater was also exhibited in soil boring SB-7. This area exhibits a variable geology where groundwater is found at varying depths. Therefore, groundwater gradient may not be very meaningful. To further define the extent of soil and groundwater contamination, EDG proposes the installation of three additional monitoring wells in presumed down-gradient and cross-gradient directions. It is believed that these wells will show the limited extent of the petroleum release. Groundwater monitoring is proposed to verify that the plume is stabile and decreasing in concentrations. Quarterly monitoring is proposed for the first year, and semi-annually thereafter. Our office approves the monitoring well installation work plan with the following conditions:

- Mr. Wright promised to send our office copies of the sampling data sheets for the monitoring wells. This information, which includes the oxidation-reduction potential, was not included in the report.
- Free product in well MW-2 should be removed quarterly, at a minimum.
- The new and existing wells should be analyzed for the parameters; TPH as gasoline, as diesel and as motor oil, BTEX and MTBE by EPA Method 8260. Please provide copies of the chromatograms.
- The bio-degradation parameters: D.O., oxidation- reduction potential, nitrate, sulfate and iron +2 should also be run on the groundwater samples. An interpretation of these results should be included in your monitoring report.

Please notify me at least 72 working hours prior to the well installations. You may contact me at (510) 567-6765.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files
Mr. B. Wright, EDG, 2233 Santa Clara Ave., Alameda CA 94501

SSI1100Seminary

#1233

ENVIRONMENTAL DECISION GROUP, INC.

Innovative Services • Advanced Technology

FAX TRANSMISSION

FAX TO: Barney Chan COMPANY: Alameda County

FROM: Brad Wright FAX NO.: 337-9335

PAGE: 3 DATE: 8-6-99

Barney if you have any additional questions feel free to call.

Brad Wright

2233 Santa Clara Avenue, Suite 7 Alameda, California 94501
Phone: (510)337-8661 FAX: (510)337-3994

LES-SSI MONITOR WELL SAMPLING FORM

Well ID: MW-1

Project Name: LES-SSI
Casing Diameter (in): 2
Total Well Depth (ft): 16 (Log) 15.35 meas.
Depth to Water (ft), before purging: 5.13 [illegible]

Project Number:
Sample Date: 1-7-99
Sample ID:

Development Method:

___ Bailer: ___ Teflon ___ Stainless Steel ___ PVC ___ ABS Plastic

X Pump: ___ Dedicated Submersible Pump ___ Bladder Pump
[illegible] ___ Non-Dedicated Submersible Pump

[illegible]

Time	pH	Conduct. (umho/cm)	Temp. (Celsius)	Water Level (to 0.01 ft)	Cum. Vol. (gal)	Pump Rate (GPM)
12:02	8.5	1.50	14	[illegible]	2	2
12:06	6.8	[illegible]	18	[illegible]	10	2
12:08	6.8		20	[illegible]	14	2
[illegible]	[illegible]	[illegible]	20	[illegible]	20	2

Water Volume to be Purged (gal) =
(Casing Length in Ft - Depth to Water in Ft) x X x 3
Where X = 1 Well Volume in gal/ft, X = 0.165 for 2 in. wells, X = 0.37 for 3 in. wells, X = 0.65 for 4 in. wells
NOTE: 3 to 5 Well Casing Volumes required prior to sample collection.

At least 10 well casing volumes were removed prior to sampling.

Sample Collection Method:

X Bailer: ___ Teflon ___ Stainless Steel ___ PVC ___ ABS Plastic

___ Pump: ___ Dedicated Submersible Pump ___ Bladder Pump
___ Non-Dedicated Submersible Pump

QA/QC Samples if any (Duplicate, Field Blank, Rinse Blank, etc.):

DO [illegible] = 3.6 mg/l 3.6
Fe " " = 0.53 mg/l 0.53
ORP " " = 27.7 mV 27.7

Parameter Collected:
Sample Appearance
0 OVA Reading (ppm)
___ Suspended Solids (describe):

Decontamination Performed:
Disposable equipment

Comments / Calculations:

(15.35 − 5.13) × .16 × 10 = 16.3

1.6 gal/vol
Slight hydrocarbon [illegible] sample
Medium gravel [illegible]

Signature: Date:

LES-SSI MONITOR WELL SAMPLING FORM

Well ID: MW-3

Project Name: LES-SSI
Project Number:
Casing Diameter (in): 2
Sample Date: 1-7-99
Total Well Depth (ft): 14.5 log 17.5 meas
Sample ID:
Depth to Water (ft), before purging:
4.11 No product

Development Method:

___ Bailer: ___ Teflon ___ Stainless Steel ___ PVC ___ ABS Plastic

X Pump: ___ Dedicated Submersible Pump ___ Bladder Pump

Centrifugal ___ Non-Dedicated Submersible Pump

Time	pH	Conduct. (umho/cm)	Temp. (Celsius)	Water Level (to 0.01 ft)	Cum. Vol. (gal)	Pump Rate (GPM)
13:25	7.6	1.40	20	0.60	4	2
13:25	7.2	1.30	24	[illegible]	10	2
13:30	7.2	[illegible]	[illegible]	[illegible]	14	2
[illegible]	7.3	1.20	23	0.80	[illegible]	[illegible]
13:40					21	1

Water Volume to be Purged (gal) =
(Casing Length in Ft - Depth to Water in Ft) x X x 3
Where X = 1 Well Volume in gal/ft, X = 0.165 for 2 in. wells, X = 0.37 for 3 in. wells, X = 0.65 for 4 in. wells
NOTE: 3 to 5 Well Casing Volumes required prior to sample collection.

At least 10 **well casing volumes were removed prior to sampling.**

Sample Collection Method:

X Bailer: ___ Teflon ___ Stainless Steel ___ PVC ___ ABS Plastic

___ Pump: ___ Dedicated Submersible Pump ___ Bladder Pump

___ Non-Dedicated Submersible Pump

QA/QC Samples if any (Duplicate, Field Blank, Rinse Blank, etc.):

Parameter Collected:
Sample Appearance
___ **OVA Reading (ppm)**
___ **Suspended Solids (describe):**

ORP [illegible] 2.0 [illegible] 7.0
DO [illegible] 8.8 mg/L 8.8
Fe [illegible] 0.0 mg/L 0.0

Decontamination Performed:

Comments / Calculations:

(17.5 - 4.11) x 1.6 = 21 gals

2 gals/vol
slight TPH odor in sample
[illegible]

Signature: **Date:**

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

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

June 2, 1999
StID # 1233

AC Transit
Ms. Suzanne Patton
10626 E. 14th St.
Oakland CA 94603

Re: Work Plan for Additional Subsurface Investigation at AC Transit, 1100 Seminary Ave. Oakland CA 94603

Dear Ms. Patton:

Thank you for the opportunity to meet at the above facility to discuss the past work which occurred at the site and to have a site visit. This letter responds to your recent May 10, 1999 and May 24, 1999 letters and the work plans within these letters.

As you are aware, there remains considerable uncertainty regarding the underground tank removals and the other excavated areas, which were apparently impacted by a release of petroleum hydrocarbon. This may be the result of poor field notes, questionable field activities or some of both. It is recognized that a fuel release occurred from the former USTs located on the north side of the site. Though a final report has not been sent to our office, I have spoke with Mr. Brad Wright regarding the results of the recent soil borings and monitoring well sampling. It appears additional investigation will be necessary. Your May 10, 1999 letter recommends initiating a product recovery program for MW-2 plus the analysis of this free product recovery into this well. This work is approved. In addition, based on these results, please recommend an appropriate schedule for the removal of free product.

To investigate the area of the former waste oil tanks/sumps, three borings are proposed in the general area of these former tanks. The location of these borings is shown in Figure 1 of Environmental Decision Group's 5/17/99 drawing. I have been shown the location of these proposed borings and I agree on their locations. At a minimum, one soil and one grab groundwater sample will be collected from each Geoprobe boring. Please take a soil sample every five feet to observe lithology and obtain a qualitative field measurement of organic vapor. The samples analyzed will be run for TPH as motor oil, as diesel and as gasoline, BTEX, MTBE and chlorinated solvents by EPA Method 8260, semi-volatiles by EPA Method 8270 and the heavy metals; cadmium, chromium, lead, nickel and zinc.

To investigate the area of the former maintenance building, three additional borings will be advanced to the west of the current maintenance building, alongside the work bays. These samples will represent any residual soil or groundwater contamination from the former sumps in the original maintenance building. I agreed to the tentative locations of these borings as indicated by Mr. Wright of EDG. One soil and one grab groundwater will be collected from each boring

and run for Total Petroleum Hydrocarbons as motor oil with a silica gel cleanup. The soil and groundwater sample containing the highest TPH concentration will also be analyzed for volatile organic compounds (EPA 8260), semi-volatiles (EPA 8270) and the metals; cadmium, chromium, lead, nickel and zinc. If the TPH concentration is less than 100 ppm in soil or less than 1ppm in groundwater, these additional tests will be not be required.

Additionally, you agreed to investigate the disposition of all excavated soils. In doing this, please estimate the amount of soil in cubic yards which was generated during each tank removal and the excavation of the old maintenance building and describe where this soil was disposed. Your report will include the results of these proposed investigations, the results of the recent investigation, the technical information regarding the excavated soils and a work plan for any additional recommended investigations.

Please contact me prior to this onsite work. You may contact me at (510) 567-6765 if you have any comments or questions.

Sincerely,

Barney M. Chan

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files
Mr. B. Wright, EDG Inc., 2233 Santa Clara Ave., Suite 7, Alameda, CA 94501
Wpap1100Seminary

AC Transit
Alameda-Contra Costa Transit District

10626 East 14th Street, Oakland, California 94603☐ (510) 577-8804
FAX☐ (510) 577-8859

May 24, 1999

Mr. Barney Chan
Alameda County Health Division
Division of Environmental Protection
Department of Environmental Health
1131 Harbor Bay Parkway, Second Floor
Alameda, CA 94502

Dear Mr. Chan:

Subject: Additional Soil Borings - May 20, 1999, Meeting
AC Transit, 1100 Seminary Avenue, Oakland

As a result of the meeting held on May 20, 1999, at AC Transit's Seminary Avenue facility, it was agreed that three additional soil borings will be installed as part of the ongoing subsurface investigation at the site. Attendees at the meeting included John Loudermilk, Ray McFall, and myself from AC Transit, Brad Wright from Environmental Decision Group (consultant to AC Transit), and yourself. The purpose of the meeting was to reach consensus regarding the interpretation of handwritten notes and other miscellaneous documentation regarding soil contamination and disposal activities in the area of the former building during reconstruction of the site in the late 1980s. Based on the our review of the information and input from employees who worked at the site during the period in question, it was determined that additional study in the area of the former mechanic pits located in the former building is warranted.

The three additional borings will be placed outside the southwest wall of the existing Maintenance Building and will be drilled to depths of 15 to 20 feet. The work will be conducted at the same time three other soil borings are drilled (see letter dated, May 10, 1999, from Suzanne Patton to Barney Chan) along the southern perimeter of the site. One grab soil and groundwater sample will be collected from each boring and analyzed for total petroleum hydrocarbons as motor oil using EPA Method 8015 Modified with a silica gel cleanup. The soil and ground water sample containing the highest concentration (in excess of 100 ppm) of motor oil will then be analyzed for volatile organic compounds using EPA Method 8260 and semi-volatile organic compounds using EPA Method 8270+ No additional analysis will be performed if laboratory results for soil and ground water samples indicate the concentration of motor oil is below 100 ppm in soil & 1 ppm in groundwater.

+ soluble metals Cd, Cr, Pb, Ni + Zn

It is my understanding that it was agreed upon that the submittal date of the final report is changed from June 30, 1999, to July 30, 1999. If you have any comments on the proposed scope of work or on the new date of a final report, please call me at (510) 577-8869.

Sincerely,

Suzanne Patton

Suzanne Patton, P.E.
Environmental Engineer

99 MAY 26 PM 4:38
ENVIRONMENTAL PROTECTION

SP/sp
barney3.doc

"MOVING TOWARD THE 21st CENTURY"

ALAMEDA COUNTY ENVIRONMENTAL HEALTH / HAZARDOUS MATERIALS DIVISION
1131 HARBOR BAY PKWY., RM. 250, ALAMEDA, CA 94502-6577 (510)567-6700 FAX (510) 337-9355

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

STID #: 1233	FACILITY NAME: AC Transit, 1100 Seminary Ave 94621	PG. ___ OF ___
SUPPLEMENTAL FORM		

Met at site w/ Ms. Sue Patton of AC Transit, Mr. Brad Wright of Env. Decision Group + 2 workers.
Discussed prior maps & data.
Located the location of former waste oil tanks & the former maintenance bld.
Questions:
- What happened to all of soils (~2500 cy)
- What amounts were disposed to appropriate landfill?

Agreed upon:
- location of 3 borings w/i the former waste oil tank pit
Also agreed to advance ~3 borings w/i former maintenance building, just outside (west) of new building work bays.
Analysis: both Soil + GW, run all samples for TPHg, TEPH d+mo (w/ silica gel cleanup), metals (Cd, Cr, Pb, Ni + Zn) HVOCs + for the highest soil + gw TPH new spls run also semi-VOCs (8270).
They will send a revised wp soon -

PRINT NAME:	INSPECTED BY:
SIGNATURE:	DATE: 5/20/99

GEN/SUPP RPT(REV. 7/94) JNS /ECO

#1233

AC Transit
Alameda-Contra Costa Transit District

10626 East 14th Street, Oakland, California 94603 ☐ (510) 577-8804
FAX ☐ (510) 577-8859

ENVIRONMENTAL PROTECTION
99 MAY 11 PM 2:10

May 10, 1999

Mr. Barney Chan
Alameda County Health Division
Division of Environmental Protection
Department of Environmental Health
1131 Harbor Bay Parkway, Second Floor
Alameda, CA 94502

Dear Mr. Chan:

Subject: Status of Subsurface Investigation
AC Transit, 1100 Seminary Avenue, Oakland

In response to your April 13, 1999, letter, AC Transit hereby provides the following status report on the investigation activities at the AC Transit facility located at 1100 Seminary Avenue in Oakland. As you know, Environmental Decision Group (EDG) implemented the subsurface investigation workplan in January 1999. This workplan was conditionally approved by your office in November 1998. Although a draft report containing the results of this investigation was prepared, a final report has not yet been submitted to your office. New information obtained from the January field work and from historical files indicate that additional field work is warranted. Upon completion of this additional field work, AC Transit proposes to incorporate the results of both field investigations into one final report. This letter contains a summary of this new information and a description of AC Transit's proposed additional field activities.

During field activities in January, approximately 2.5 feet of floating product was found in monitoring well MW-2. To further examine the floating product, AC Transit proposes to remove the product using a peristaltic pump and initiate a product recovery program. During pumping, the product layer will be measured using an oil/water interface probe. One sample of the product will be collected and analyzed for diesel and gasoline using EPA Method 8015 and benzene, ethylbenzene, toluene, and xylenes (BTEX) and methyl-tert-butylether (MTBE) using EPA Method 8260. The product recovery program will include the product layer being measured on four separate occasions to assess the rate of product recovery. It is proposed that measurements will be taken approximately 24 hours, 48 hours, one week, and one month after initial product removal.

In addition, historical files obtained by EDG shortly after the initial field work revealed that waste oil tanks/sumps were removed in 1985 from an area south of the existing Maintenance Building. The historical files document that soil from an approximate area of 20 feet by 40 feet was excavated to depths of 10 to 15 feet. The presence and extent of

any subsurface contamination that may still remain is unclear. To examine for the presence of past releases in this area, AC Transit proposes to drill three GeoProbe borings, approximately 10 feet part, to depths of 15 to 20 feet. One soil sample, directly above the first encountered ground water, and one ground water sample will be collected from each boring and analyzed for total petroleum hydrocarbons as gasoline, diesel, and motor oil using EPA Method 8015, volatile organic compounds, benzene, ethylbenzene, toluene, and xylenes (BTEX), and methyl-tert-butylether (MTBE) using EPA Method 8260, semi-volatile organic compounds using EPA Method 8270 and five metals. Cd, Cr, Pb, Ni + Zn.

We anticipate that a final report containing the results of both field investigations will be available for your review by June 30, 1999. If you have any comments on the proposed scope of work or on the new date of a final report, please call me at (510) 577-8869.

Sincerely,

Suzanne Patton

Suzanne Patton, P.E.
Environmental Engineer

SP/sp

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

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

April 13, 1999
StID # 1233

Ms. Suzanne Patton
AC Transit- Environmental
10626 E. 14th St.
Oakland CA 94603

Re: Request for Technical Report for Subsurface Investigation at 1100 Seminary Ave., Oakland CA, 94621

Dear Ms. Patton:

Our office last wrote to you in my November 12, 1998 letter, in which I conditionally approved the work plan from your consultant, Environmental Decision Group (EDG). This work plan proposed the advancement of eight borings in the assumed down-gradient direction of the former underground fuel tanks, in the northeast portion of this site. In addition, the existing monitoring wells would be located, examined and sampled. All work was proposed to determine the extent of the petroleum release from the former petroleum USTs. This work took place on January 8, 1999 under the direction of Mr. Brad Wright of EDG. The investigation was partially successful in determining the extent of soil contamination. Groundwater was not encountered in all of the borings, however, and free product was observed in one of the wells. Mr. Wright recommended and I verbally agreed upon the removal of the free product and water from the impacted well.

Also during this time, our office came upon additional files on this site from the Regional Water Quality Control Board (RWQCB), which described additional subsurface investigation that had occurred. This work involved the following:

- Apparently, a number of the waste oil tanks were also removed from the southern portion of the site. Saturated oily soil was found in the backfill area of these tanks. Borings were advanced around this area which detected elevated hydrocarbon concentrations.
- Also in this same general area, during the construction of the new maintenance building, petroleum contamination was encountered in the southwest corner of the current building. Areas of concern included the sump and service pit areas. Extensive soil was excavated from this area, some of which, was disposed and the other, which was reused as fill.
- It is somewhat unclear what was found during the removal of the underground fuel tanks to the northeast of the maintenance building. Certainly what was and is currently being found in the existing wells is largely accountable by the release from these tanks. There is some evidence that soil excavation occurred just to the west of this tank in the mechanic pit area. Elevated extractable hydrocarbons were found in soil samples from this area.

Based on this additional information, you requested that these reports be copied and given to your consultant for review. It was hoped that you would include a summary of this information along with the results of the recent investigation. In addition, any future recommendations would address the above areas, if needed, along with that necessary to evaluate the release from the underground fuel tanks.

Please submit a technical report addressing the above items along with providing the results of the recent subsurface investigation. Your report should also provide the recommendations to complete site characterization. Please submit this report **within 30 days or by May 14, 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**
Mr. B. Wright, Environmental Decision Group, 2233 Santa Clara Ave., Alameda CA 94501

Rprq1100 Seminary

ENVIRONMENTAL DECISION GROUP, INC.

Innovative Services • Advanced Technology

FAX TRANSMISSION

FAX TO: Barney Chan **FAX NO.:** (510) ~~337-3994~~ 337-9335

COMPANY: Alameda County **PAGE:** 2

FROM: Brad Wright **DATE:** 2-1-99

COMMENTS:

Attached is the AC Transit file request.

2233 Santa Clara Avenue, Suite 7 Alameda, California
Phone: (510) 337-8661 FAX: (510) 337-3994

TO: Brad Wright
F. 337-3994

AC Transit
Alameda-Contra Costa Transit District
10626 East 14th Street, Oakland, California 94603 (510) 577-8804
FAX (510) 577-8859

February 1, 1999

Mr. Barney Chan
Alameda County Health Division
Division of Environmental Protection
Department of Environmental Health
1131 Harbor Bay Parkway, Second Floor
Alameda, CA 94502

Dear Mr. Chan:

Subject: Request for Copies of Investigation Reports
AC Transit, 1100 Seminary Ave., Oakland

AC Transit's environmental consultant, Brad Wright from SK Environmental Decision Group, Inc., informed me that your agency recently received old files from the California Regional Water Control Board on past studies at the above-referenced AC Transit site. On behalf of AC Transit, I wish to request that a copy of these files be provided to me. My address is 10626 E. 14th Street, Oakland, CA 94603.

If it is convenient, Mr. Wright can stop by your office and pick up the copies. Please call me at (510) 577-8869 if you have any questions.

Sincerely,

Suzanne Patton

Suzanne Patton, P.E.
Environmental Engineer

SP/sp

bcc: Carol Babington
Patrick Cannon
Joe. DelProspero
Andy Houghtelling
Craig Michels
Rick Wrzesinski
Brad Wright, SK Environmental Decision Group, Inc.
File

barney1.doc

"MOVING TOWARD THE 21st CENTURY"

AC Transit
Alameda-Contra Costa Transit District

10626 East 14th Street, Oakland, California 94603 (510) 577-8804
FAX (510) 577-8859

99 FEB -2 PM 4:01

1233

February 1, 1999

Mr. Barney Chan
Alameda County Health Division
Division of Environmental Protection
Department of Environmental Health
1131 Harbor Bay Parkway, Second Floor
Alameda, CA 94502

Dear Mr. Chan:

Subject: Request for Copies of Investigation Reports
AC Transit, 1100 Seminary Ave., Oakland

AC Transit's environmental consultant, Brad Wright from SK Environmental Decision Group, Inc., informed me that your agency recently received old files from the California Regional Water Control Board on past studies at the above-referenced AC Transit site. On behalf of AC Transit, I wish to request that a copy of these files be provided to me. My address is 10626 E. 14th Street, Oakland, CA 94603.

If it is convenient, Mr. Wright can stop by your office and pick up the copies. Please call me at (510) 577-8869 if you have any questions.

Sincerely,

Suzanne Patton

Suzanne Patton, P.E.
Environmental Engineer

SP/sp

ALAMEDA COUNTY ENVIRONMENTAL HEALTH / HAZARDOUS MATERIALS DIVISION
1131 HARBOR BAY PKWY., RM. 250, ALAMEDA, CA 94502-6577 (510)567-6700 FAX (510) 337-9355

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

STID #: 1233	FACILITY NAME: AC Transit Facility, 1100 Seminary Ave 94621	PG. 1 OF 1

SUPPLEMENTAL FORM

Present to observe the sampling / geoprobe borings around the existing bus service building. Met Brad Wright of Env Sec. Group. Driller is Kuiwang Well Drilling, truck mounted Geoprobe unit used.
- When arrived ~ 11^00 am borings 1, 2, 3 have been advanced & sampled & they were sampling #4
- Prior day well MW 1 & MW 3 were sampled, MW-2 had F.P ~ 2', MW-4 could not be located, likely beneath building
GW encountered ~ 8' bgs, however one boring (3?) was dry
Existing tanks held ATF, and waste oil

PRINT NAME:	INSPECTED BY: B Ulm
SIGNATURE:	DATE: 1/8/99

GEN/SUPP RPT(REV. 7/94) JNS /ECO

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

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

November 12, 1998
StID # 1233

Ms. Suzanne Patton
AC Transit- Environmental
10626 E. 14th St.
Oakland CA 94603

Re: Workplan for Subsurface Investigation at 1100 Seminary Ave., Oakland CA 94621

Dear Ms. Patton:

Thank you for the submittal of the work plan for subsurface investigation prepared by your consultant, Environmental Decision Group. I have completed my review of the work plan and have the following observations, comments and requirements:

1. The work plan states that the existing monitoring wells, MW-1 through MW-3 will be assessed, redeveloped and sampled. In the site map, MW-4 is identified as still existing, please include the same process for MW-4 if still in existence or verify its proper abandonment. These wells should also be resurveyed to obtain reliable groundwater elevation readings.
2. Eight borings are proposed in the assumed down-gradient direction relative to the former underground tanks. Both soil and groundwater samples will be collected for chemical analysis. The results will be used to evaluate whether natural bio-remediation has occurred.

In regards to this proposed work please observe the following:

- Because of the potential human health threat to the occupants of the existing building, if MW-4 is not viable, please locate one boring near the existing building. It appears that ~~MW-~~ boring 8 could be moved to this location.
- To define the extent of soil and groundwater contamination, please make every attempt to analyze at least one of each type of sample per boring. In the absence of any indication of contamination, please analyze the soil sample closest to groundwater. However, because of the closeness of MW-2 and MW-3, you may use discretion and omit sampling groundwater from borings 6 and 7 if deemed duplicative.
- The samples are to be analyzed for the parameters TPH-F and BTEX. Please insure that the fuel analysis includes TPHg and TPHd. In addition, please analyze the water samples from the monitoring wells for MTBE. If MTBE is detected, its presence should be confirmed by analyzing via EPA Method 8240 or 8260. In addition, please add the bio-indicator parameters; dissolved oxygen, oxidation-reduction potential, nitrate, sulfate and ferrous iron to the analytes requested for the monitoring well samples.

Please contact me at least **72 working hours prior** to this work. I may be reached at (510) 567-6765 if you have any comments or questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files
T. C. Hobbs, Environmental Decision Group, 2233 Santa Clara Ave., Alameda CA 94501
Wpap1100

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

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

September 18, 1998
StID # 1233

Ms. Suzanne Patton
AC Transit-Environmental
10626 E. 14th St.
Oakland CA 94603

Re: Subsurface Investigation at AC Transit Facility, 1100 Seminary Ave., Oakland 94621

Dear Ms. Patton:

Our office has received and reviewed the recently submitted packet of reports from AC Transit regarding the tank removal investigation at the above referenced site. It appears that you do not have any additional information beyond that found in the County files.

Based on the existing data, it appears that soil was impacted with petroleum hydrocarbon contamination immediately around the former underground tank location. In addition, a hydrocarbon plume migrated from the tank area and was detected at least on one occasion in monitoring wells MW-1 through MW-5. This is consistent with the west-southwest groundwater gradient anticipated at this site. Because no additional data exists, likely because no further work was performed, additional site investigation is necessary to complete site characterization. Your consultant recommends the abandonment of the three monitoring wells, performing a site reconnaissance and submission of an appropriate work plan. This approach is acceptable.

Please insure that representative groundwater samples are taken in your field work in the event that temporary borings are proposed. The work plan should also include a schedule for the proposed work, an evaluation of the data and a recommendation for either further investigation or justification for site closure. **Please submit your work plan within 45 days or by November 9, 1998.**

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

Sincerely,

Barney M Chan

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files
Mr. Fred Davis, Polymatrix Associates, 3056 Castro Valley Blvd., Suite 183, Castro Valley CA 94546

Wpsub1100

AC Transit
Alameda-Contra Costa Transit District

10626 East 14th Street, Oakland, California 94603☐ (510) 577-8804
FAX☐ (510) 577-8859

September 16, 1998

Mr. Barney M. Chan
Hazardous Materials Specialist
Alameda Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Dear Mr. Chan:

Subject: Response to Information Request, Subsurface Investigations
AC Transit, 1100 Seminary Avenue, Oakland, CA

In response to your August 12, 1998, request for information regarding the status of the environmental investigations at the above-reference site, AC Transit respectfully submits the enclosed letter report from PolyMatrix Associates. This report contains a summary of five phases of subsurface field investigations (with copies of the field study reports) that were performed at the site between September 1986 and May 1987.

After initial soil samples taken from near the underground storage tanks on-site revealed a release of petroleum hydrocarbons to soil, additional subsurface studies were performed to determine whether ground water was adversely impacted by the release. The construction details of these monitoring wells plus their locations and current condition are described in the enclosed PolyMatrix report.

Copies of additional monitoring reports, regulatory agency site sign-off or closure letters, or correspondence from regulatory agencies, as requested in your letter, were not found. These documents may not exist. Based on available records, it appears that there was no further investigation of site conditions after May 1987. As part of PolyMatrix' research, S.J. Amorosa Construction Company (the firm that removed the tanks) was contacted to determine if they had any records of the tank removals. S.J. Amorosa indicated that they would research their records for this information. We will provide your agency with copies of these records when they are available.

To address the concerns raised by your agency regarding proper closure of these tanks, AC Transit proposes to conduct the following two tasks: (1) abandon the existing wells; and (2) perform a reconnaissance study to assess current site conditions. A workplan that contains the scope and magnitude of the reconnaissance study will be prepared and submitted to your agency for approval prior to conducting field work.

If you have any questions regarding the enclosed documents or other matters pertaining to this site, please call me at (510) 577-8869.

Sincerely,

Suzanne Patton, P.E
Environmental Engineer

SEP 16 '98 PM 12:25

SP/sp
Enclosure
Barney1.doc.home

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

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

August 12, 1998
StID #1233

Ms. Suzanne Patton
AC Transit-Environmental
10626 E. 14th St.
Oakland CA 94603

Re: Request for Technical Reports for AC Transit Facility, 1100 Seminary Ave., Oakland CA 94621

Dear Ms. Patton:

In an attempt to clarify the status of the environmental investigation at the above site, our office requested for specific technical reports in my April 27, 1998 letter. Subsequently, I spoke to you wherein you stated that you had contacted a consultant to perform a file search to respond to my request. To date, our office has not received any response or reports regarding the petroleum fuel release at the Seminary Ave. facility.

I have enclosed a copy of my April 27, 1998 letter for your reference.

Please provide copies of the requested reports **within 30 days or by September 16, 1998**. You should also inform our office of the status of all monitoring wells at the site. If you deem necessary, you may proceed to redevelop and sample the wells to assess current site conditions.

This request for technical reports is consistent with the Water Code Section 13267 (b) and Title 23, Division 3, Chapter 16 Section 2652 (d). The failure to provide the requested reports may result in civil liability.

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

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

Enclosure

C: B. Chan, files

2rep1100

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

April 27, 1998
StID # 1233

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

Ms. Suzanne Patton
AC Transit- Environmental
10626 E. 14th St.
Oakland CA 94603

Re: Subsurface Environmental Investigation at AC Transit Facility, 1100 Seminary Ave., Oakland CA 94621

Dear Ms. Patton:

Our office has become aware of past tank removals and subsurface investigations which have occurred at the above referenced site. Our files, however, are incomplete. We are aware that prior to the removal of existing underground tanks, on September 17 and 18, 1986 three test borings were advanced into soil between and adjacent to the underground tanks. These borings were identified as B1,B1A and B2. Up to 13,000 mg/kg total hydrocarbons was exhibited in these samples, the highest concentration being detected in the sample between the tanks. These tanks were presumed to be in a concrete vault. In March 87, monitoring wells MW-1 through MW-3 were advanced around the underground tanks and their associated fuel islands. Up to 2200 mg/kg total hydrocarbons was exhibited in the 8-8.5' boring from MW-2. The groundwater sample from this well exhibited 50 mg/l total hydrocarbons and 13,6.0,2.9 mg/l BTX, respectively. To further define the extent of contamination in groundwater, MW-4 was installed in the northern corner of the proposed building footprint. On March 20, 1987 monitoring wells MW-5, MW-7 and MW-8 were advanced also within the area of the proposed building footprint. In addition, boreholes B-10 through B-13 were drilled to determine the depth to water within the footprint of the building. The results of chemical analysis of these investigations is presented in Weiss Associates April 13, 1987 report. Groundwater contamination in the form of TPH and BTX was detected in MW-1 through MW-5. The highest concentration was found in MW-4 which exhibited 290 mg/l TPH.

This is the extent of the information our office has on the subsurface investigation at this site. We are not aware of its current status. Please provide any information available to clarify this situation. Please provide any of the following items:

- Additional monitoring reports
- Copy of a regulatory site sign-off or closure letter for our records
- Copy of any reports of additional investigation
- Copies of environmental correspondence from regulatory agencies
- Copies of tank removal reports, etc.

At this time, our office will transfer this site to Alameda County Local Oversight Program (LOP). As you may be aware, our office is delegated the authority to oversee fuel contaminated sights from underground storage tanks. We oversee the site investigation up to the point of recommendation for site closure to the Water Board.

Please provide any of the requested technical mentioned above. You will soon be notified of the administrative act of transferring this site to the LOP. To expedite site closure and complete the County files please respond as soon as possible.

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

Sincerely,

Barney M Chan

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Rep1100

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy
Alameda CA 94502
510/567-6700

II, III

Site ID # 1233 Site Name A C TRANSIT Today's Date 4/2/26

Site Address 1100 SEMINARY

City OAKLAND Zip 94621 Phone _____

_____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
____ II. Hazardous Materials Business Plan, Acutely Hazardous Materials
__X__ III. Underground Storage Tanks ~~NEW FACILITY~~ MODIFICATION

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

Comments:

INSTALLING OVERSPILL CONTAINMENT, SUMPS FOR TURBINES, LEAK SENSORS IN SUMPS, LEAK SENSOR'S IN ANNULAR SPACE OF DOUBLE WALL TANKS, VEEDER ROOT TLS-350 LEAK MONITORING SYSTEMS.

SUMPS REQUIRE LEAK TESTS.

II, III

Contact DALE BYERS
Title FOREMAN
Signature [signature]

Inspector [signature]
Signature [signature]

KAISER ENGINEERS

KAISER ENGINEERS (CALIFORNIA) CORPORATION
C/O AC TRANSIT
1600 FRANKLIN STREET
OAKLAND, CALIFORNIA 94612
(415) 891-4888

File
New

07

October 7, 1988

Mr. Dennis Byrne
Alameda County Health Care Service
Department of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, California 94621

Ms. Lisa McCann
California Regional Water Quality
Control Board
San Francisco Region
1111 Jackson Street, Room 6040
Oakland, California 94607

Dear Ms. McCann / Mr. Byrne:

Subject: AC Transit Facilities Improvement Program
Division 4, Seminary Reconstruction
Contract D4-5, Maintenance Building
Notification of Contamination

1100 Seminary Ave. Oakland

ULR

This letter, together with **Form HSC 05 (10/85)**, comprises an initial report of soils contamination from motor oil at our construction site within the 1100 Seminary Avenue Bus Maintenance Facility in Oakland. This was verbally reported by telephone to Mr. Dennis Byrne of Alameda County, Hazardous Materials Section, on October 7, 1988.

This condition was encountered upon removal of the bottom concrete slab below the bus maintenance pits. The contamination was restricted to a compacted gravel layer, beneath the slab; the gravel layer being on the bay mud. Soil overburden above the gravel layer was removed and stockpiled, followed by soil sampling and analysis. Test results have not yet been received from the laboratory.

The gravel material has been removed along with approximately 0.2 foot of the bay mud. This material has been stockpiled for off-haul to a hazardous waste facility upon completion of sampling and testing.

Samplings of the bay mud have been taken for analysis in order to determine that all contaminated soil has been removed. If these verification tests show that all Class I and II materials have been removed, we plan to backfill the hole with clean material and complete paving of the site.

Contamination of groundwater will be addressed as part of a modification of remediation plan furnished to the County and the California Regional Water

Quality Board on October 29, 1987. This remediation plan covered other contaminated soils discovered earlier in another area at the site.

Copies of laboratory test results will be furnished as they become available.

You can contact me at 891-4888 if you have any questions.

Very truly yours,

KAISER ENGINEERS (CALIFORNIA) CORPORATION

H. M. Nahler
Project Manager

keo

Attachment

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK)/CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO — HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☒ NO

STATE TANK ID #:

REPORT DATE: 1 0 M 0 6 D 8 8 Y | LOCAL CASE #: | REGIONAL BOARD CASE #: | US EPA ID #:

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: George Skezas | PHONE: (415) 577-8803 | SIGNATURE: W.M. Nuber for George Skezas

REPRESENTING: ☒ LOCAL AGENCY ☐ OTHER ☐ OWNER/OPERATOR ☐ REGIONAL BOARD | COMPANY OR AGENCY NAME: AC Transit District

ADDRESS: 1600 STREET Franklin Street CITY Oakland STATE CA ZIP 94612

RESPONSIBLE PARTY

NAME: AC Transit District ☐ UNKNOWN | CONTACT PERSON: George Skezas | PHONE: (415) 577-8803

ADDRESS: 1600 STREET Franklin Street CITY Oakland STATE CA ZIP 94612

SITE LOCATION

FACILITY NAME (IF APPLICABLE): Division 4, Seminary (East Oakland) | OPERATOR: | PHONE: ( )

ADDRESS: 1100 STREET Seminary Avenue CITY Oakland COUNTY CA ZIP 94621

CROSS STREET: San Leandro Blvd. | TYPE OF AREA: ☐ COMMERCIAL ☒ INDUSTRIAL ☐ RESIDENTIAL ☐ RURAL ☐ OTHER | TYPE OF BUSINESS: ☐ RETAIL FUEL STATION ☐ UNKNOWN ☒ OTHER Bus Mntnce.

IMPLEMENTING AGENCIES

	AGENCY NAME	CONTACT PERSON	PHONE
LOCAL AGENCY	Alameda County Health Agency	~~Lowell Miller~~ Dennis Byrne	(415) 271-4320
REGIONAL BOARD	California Regional Water Quality Board S. F. Region	Lisa McCann Gregory Zentner	(415) 464-1036
TSCD			( )

SUBSTANCES INVOLVED

	CAS # (ATTACH EXTRA SHEET IF NEEDED)	NAME	QUANTITY LOST (GALLONS)
(1)		Motor Oil	☒ UNKNOWN
(2)			☐ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED: 1 0 M 0 5 D 8 8 Y | HOW DISCOVERED: ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ ROUTINE MONITORING ☐ TANK REMOVAL ☐ NUISANCE CONDITIONS ☒ OTHER: During new Construction

DATE DISCHARGE BEGAN: M M D D Y Y ☒ UNKNOWN

METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): ☐ REMOVE CONTENTS ☐ REPLACE TANK ☐ CLOSE TANK ☐ REPAIR TANK ☒ Removed PIPING ☐ CHANGE PROCEDURES ☐ OTHER Building has been demolished

HAS DISCHARGE BEEN STOPPED? ☒ YES ☐ NO IF YES, DATE M M D D Y Y

SOURCE/CAUSE

SOURCE(S) OF DISCHARGE: ☐ TANK LEAK ☒ UNKNOWN ☐ PIPING LEAK ☐ OTHER (SPECIFY)

TANKS ONLY/CAPACITY ____ GAL. AGE ___ YRS. ☐ UNKNOWN; MATERIAL ☐ STEEL ☐ FIBERGLASS ☐ OTHER

CAUSE(S): ☐ OVERFILL ☐ CORROSION ☐ RUPTURE/FAILURE ☐ SPILL ☒ UNKNOWN ☐ OTHER

RESOURCES AFFECTED/AT RISK

RESOURCES AFFECTED	YES	NO	THREATENED	UNKNOWN
AIR (VAPOR)	☐	☒	☐	☐
SOIL (VADOSE ZONE)	☒	☐	☐	☐
GROUNDWATER	☐	☐	☐	☒
SURFACE WATER OR STORM DRAIN	☐	☒	☐	☐
BUILDING OR UTILITY VAULT	☐	☒	☐	☐
OTHER (SPECIFY)	☐	☐	☐	☐

WATER SUPPLIES AFFECTED	YES	NO	THREATENED	UNKNOWN	# OF WELLS
PUBLIC DRINKING WATER	☐	☒	☐	☐	0
PRIVATE DRINKING WATER	☐	☒	☐	☐	0
INDUSTRIAL	☐	☒	☐	☐	0
AGRICULTURAL	☐	☒	☐	☐	0
OTHER (SPECIFY)	☐	☐	☐	☐	

GROUNDWATER BASIN NAME: ☒ UNKNOWN

COMMENTS

COMMENTS: Upon removal of concrete bus maintenance pits from under a demolished bus maintenance building, motor oil-like substance was found in a layer of compacted crushed rock under the pit's concrete slab. Sampling and testing of overburden is in progress and removal of gravel layer is in progress.

COMPLETE AND ATTACH A CLEANUP TRACKING REPORT IF ANY CLEANUP WORK OR PLANNING HAS STARTED

G-2

KAISER ENGINEERS

KAISER ENGINEERS, INC.
1800 HARRISON STREET
POST OFFICE BOX 23210
OAKLAND, CALIFORNIA 94623

September 23, 1987

Mr. Lowell Miller
Alameda County Health Agency
Community Health Services
Division of Environmental Health
470 27th Street, Room 322
Oakland, California 94612

Re: Stockpiled Soils, AC Transit Seminary Road Site

Dear Mr. Miller:

This letter confirms our conversation on September 21 regarding disposition of the stockpiles on the AC Transit District's Seminary Road site. The agreements within the conversation are summarized below and, based on these, KECC is completing its report to the SFB RWQCB detailing the problem and remedial actions being taken. These agreements were:

- KECC has had sufficient sampling conducted and analytical chemistry performed per EPA methodologies and found:
  - undetectable concentration of VOAs
  - undetectable to background concentrations of "EP Toxicity" extractable metals
  - undetectable concentrations of PCBs
  - undetectable concentrations of TFHs
  - undetectable concentrations of BN/AE organics quantitatively identified

  for each of the 12 composite samples taken from the 6 soil stockpiles.

- KECC has found elevated levels of oil and grease and very high molecular weight, nonquantifiable organics in the 12 composite samples; however, these are not mobile and are not likely to be mobile in the site environment; KECC believes these are asphalt and asphaltic degradation products.

- KECC will complete installation of a groundwater monitoring program for the site and to provide quarterly reports to the RWQCB and County Health Agency.

- KECC will prepare a map of the placement of these stockpiles including volumes and analytical chemistry results of these samplings and furnish these to AC Transit for the future planning regarding this site.

Lowell, thanks again for your continued assistance in this matter. I am sure I speak for AC Transit as well as KECC in relaying our gratitude for your attention and timeliness.

Sincerely,

Beverly S. Ausmus, PhD
Manager, Environmental Controls
and Remediation

cc: Peter Johnson, SFB RWQCB

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK)/CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO — HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☒ NO

STATE TANK ID #:

REPORT DATE (M M D D Y Y):

LOCAL CASE #:

REGIONAL BOARD CASE #:

US EPA ID #:

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: N. A. Gage

PHONE: (415) 891-4888

SIGNATURE: Nathaniel A Gage

REPRESENTING ☒ LOCAL AGENCY ☐ OTHER ☐ OWNER/OPERATOR ☐ REGIONAL BOARD

COMPANY OR AGENCY NAME: AC Transit District

ADDRESS — STREET: 1600 Franklin CITY: Oakland STATE: CA ZIP: 94612

RESPONSIBLE PARTY

NAME: AC Transit District ☐ UNKNOWN

CONTACT PERSON: Keith Steckly

PHONE: (415) 891-4998

ADDRESS — STREET: 1100 Seminary Avenue CITY: Oakland STATE: CA ZIP: 94621

SITE LOCATION

FACILITY NAME (IF APPLICABLE): Division 4, Seminary (East Oakland)

OPERATOR:

PHONE: ( )

ADDRESS — STREET: 1100 Seminary AVenue CITY: Oakland COUNTY: Alameda ZIP: 94621

CROSS STREET: San Leandro Blvd

TYPE OF AREA ☐ COMMERCIAL ☒ INDUSTRIAL ☐ RESIDENTIAL ☐ RURAL ☐ OTHER

TYPE OF BUSINESS ☐ RETAIL FUEL STATION ☐ UNKNOWN ☒ OTHER: Bus Mtnce.

IMPLEMENTING AGENCIES

LOCAL AGENCY / AGENCY NAME	CONTACT PERSON	PHONE
		( )
REGIONAL BOARD: Caoif. Regional Water Quality Board - SF Region	Gregory Zentner	( )
TSCD		( )

SUBSTANCE(S) INVOLVED

	CAS # (ATTACH EXTRA SHEET IF NEEDED)	NAME	QUANTITY LOST (GALLONS)
(1)		Motor oil	☒ UNKNOWN
(2)			☐ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED (M M D D Y Y): 06 02 87

HOW DISCOVERED ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ ROUTINE MONITORING ☐ TANK REMOVAL ☐ NUISANCE CONDITIONS ☒ OTHER: New constr.

DATE DISCHARGE BEGAN (M M D D Y Y) ☒ UNKNOWN

HAS DISCHARGE BEEN STOPPED? ☒ YES ☐ NO IF YES, DATE (M M D D Y Y)

METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)

☒ REMOVE CONTENTS ☐ REPLACE TANK ☐ CLOSE TANK ☐ REPAIR TANK ☒ ~~REPAIR~~ Remove PIPING ☐ CHANGE PROCEDURES ☒ OTHER: Piping system has been abandoned

SOURCE/CAUSE

SOURCE(S) OF DISCHARGE ☐ TANK LEAK ☐ UNKNOWN ☒ PIPING LEAK ☐ OTHER (SPECIFY)

TANKS ONLY/CAPACITY ____ GAL AGE 40 YRS. ☐ UNKNOWN MATERIAL ☒ STEEL ☐ FIBERGLASS ☐ OTHER

CAUSE(S) ☐ OVERFILL ☒ CORROSION ☐ RUPTURE/FAILURE ☐ SPILL ☐ UNKNOWN ☐ OTHER

RESOURCES AFFECTED/AT RISK

RESOURCES AFFECTED	YES	NO	THREATENED	UNKNOWN
AIR (VAPOR)	☐	☒	☐	☐
SOIL (VADOSE ZONE)	☒	☐	☐	☐
GROUNDWATER	☐	☒	☐	☐
SURFACE WATER OR STORM DRAIN	☐	☒	☐	☐
BUILDING OR UTILITY VAULT	☐	☒	☐	☐
OTHER (SPECIFY)	☐	☐	☐	☐

GROUNDWATER BASIN NAME ☒ UNKNOWN

WATER SUPPLIES AFFECTED	YES	NO	THREATENED	UNKNOWN	# OF WELLS
PUBLIC DRINKING WATER	☐	☒	☐	☐	0
PRIVATE DRINKING WATER	☐	☒	☐	☐	0
INDUSTRIAL	☐	☒	☐	☐	0
AGRICULTURAL	☐	☒	☐	☐	0
OTHER (SPECIFY)	☐	☐	☐	☐	

COMMENTS

COMMENTS:

The contaminated soils are the result of a leaking motor oil pipeline which was part of a service facility abandoned since the fall of 1986. The piping is now being removed as part of new construction.

COMPLETE AND ATTACH A CLEANUP TRACKING REPORT IF ANY CLEANUP WORK OR PLANNING HAS STARTED

① GSZ
② File

REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION
INTERNAL MEMO

~~BZ~~ III
GSZ

TO: PWJ
SECTION ~~HEAD~~ Leader

FROM: GSZ/WRCE

11/15/87

DATE: 9/16/87

SIGNATURE: GSZ

SUBJECT: MEETING WITH KAISER ENGINEERS AND AC TRANSIT TO DISCUSS PROPER DISPOSAL OF STOCKPILED SOILS AT THE AC TRANSIT FACILITY, 1100 SEMINARY DR, OAKLAND

Alameda

A list of participants in the meeting is attached. There are two areas of contamination at this site. The first was discovered during the removal of underground tanks at the northeast corner of the construction site, while the second was discovered during excavation for a new building. The full extent of the pollution has not been defined; the issue here is AC Transit's request to use stockpiled soil as fill. One pile is obviously well mixed with ground asphalt; this pile tested out between 13,000 and 34,000 ppm of total oil and grease. Other piles are on the order of 1000-3000 ppm total oil and grease (One pile, of six, tested below 1000 ppm for total oil and grease). All samples tested nd for TPH, VOC's, PCB's, Base/Neutral and Acid Extractable Organics. Kaiser maintains that these analyses support their arguement that the hydrocarbon matrix appearing in the TOG test is not of waste oil origin, but rather is characteristic of asphaltic subgrade. However, regardless of the origin, the staff of the RWQCB must be concerned with the potential impacts to water quality if this material is used as fill.

Final signoff to be done by Board.

The staff of the RWQCB has agreed that Kaiser's plan to use the soil as backfill (if DHS decides that the material is not a hazardous waste) is not unreasonable based upon 1) preliminary cost estimates to dispose of the soil at a class 2 site (the amount of soil in question is approximately 5000 cubic yards); 2) results of chemical analysis of the soil; and 3) the potential for insitu treatment of the soil should it appear that the backfilled soil represents a threat to groundwater quality. Kaiser has agreed to submit a report to the RWQCB that addresses the following:

1) Characterization of the material
   -soil anlysis
   -DHS determination on the issue of whether or not the material is a hazardous waste.
2) Pollution Definition
   Kaiser will identify the vertical and horizontal extent of all onsite pollution. At this time, the onsite pollution appears to be limited to two areas. In the northeast

corner of the site, there is minor soil and groundwater pollution related to the former existance of underground fuel tanks. In the southwest corner of the site, a layer of oil is evident in one of the excavations. The layer is about one foot thick, and is located about three feet below grade. It appears to be limited in its horizontal spread, and was confined vertically by a clay lense.

3) Remedial Action Alternatives
Kaiser will perform a cost/benefit analysis on their remedial action alternatives. This analysis will include an analysis of the environmental impacts of these alternatives.

4) Monitoring
Kaiser will develope a monitoring program to verify that their chosen course of action will not impact groundwater quality.

5) Retroactive cleanup
Kaiser will show, in the report, that they will be able to access the soil and groundwater to perform remediation in the event that the monitoring program reveals that groundwater has been impacted.

Kaiser has agreed the following course of action:
1) Contact DHS per the hazardous waste issue.
2) Prepare a letter to the RWQCB reiterating their commitment to the process described in 1)-5) above.
3) Kaiser will backfill the soil, but will not cover it with asphalt.
4) Kaiser will submit the above report to the RWQCB.
5) We will review the report and determine if the proposal is reasonable. We may request additional study or alternative remediation if major problems exist.

Greg,

Good memo in general. Please use letter quality print and center the text. Also use "Leader", and separate line for "WRCE" as above.

Peter
9/22/87

P.S. Your weekly plan was good. When do you plan to start work on the spreadsheet/reporting format? Let me know.

P.

PETER JOHNSON	PWOCB	464-0838
GREG ZENTNER	PWOCB	464-0838
LEE HANSON	KAISER	632-0574
STEVE WHITEHEAD	KAISER	"
GEORGE SKEZAS	AC TRANSIT	
HAL NAHLER	KAISER	891-4883
LAURA HOFFMAN	KAISER	

Lee Hansen
Kaiser, On-Site

Tom Peacock
@ Alameda Co.

- Tank farm removal
- 6/5 submitted letter summarized tank farm removal + mon. well data. Found benzene. Big report.
- 6/16 Found pocket of oil (Letter)
  - Directed contractor to stockpile material
- Service pits
  - Concrete removal. Discovered oil soaked aggregate base. Dewatered. Sampled beneath in clay. Agg. base
  - Floating product removed to tanks, appeared to be perched water.
- Asphalt over whole site. Ground up, but didn't meet structural requirements. Need to dispose of agg. Found ~ 11,000 ppm in agg/soil mix.

- Authority from A.C. Transit. Ver.

AC TRANSIT

1100 SEMINARY
OAKLAND

MAINTENACE BLD.
MECHANICS PITS -
ASPHALT
UNDERGRND TANKS

STEVE WHITED / LEE HANSEN

WE TALKED W/ TOM PEACOCK, WHO INSPECTED THE SITE. HE SAID THAT KAISER IS WORKING ON THE PROBLEM. GSZ 7/21/87

Health & Safety Training 7/17/87 PWJ

TO PWJ ROOM/STA. NO.

FROM Al Arellanes ROOM/STA. NO.

REPRESENTING

DATE 7/16 TIME 4:26 PHONE ATSS ☐ 562-0362

☑ Telephoned ☑ Please Call ☐ Was In
☐ Returned Call ☐ Will Call Again ☐ Wants To See You

☐ Information Note and ☐ Re-route Reply ☐ My Signature
☐ Comment ☐ Return ☐ Copy Me
☐ Investigate ☐ File ☐ Forwarded Per Request
☐ Contact Me

MESSAGE/REMARKS
Richard Harrison

BY

STD 7 (REV. 1-85) 85 34796 STATE OF CALIFORNIA
COMBINATION OF STD 7 AND 118 (ROUTE SLIP) ANNUAL SAVINGS $8,300.
MESSAGE

Kaiser
Steve
Whitehead
632-0574

T

STATUS

N: *NO ACTION TAKEN*

I: *SITE INVESTIGATION IN PROGRESS*

C: *REMEDIAL ACTION (RA) IN PROGRESS*

P: *POST RA MONITORING IN PROGRESS*

R: *RA ALTERNATIVE EVALUATION IN PROGRESS*

S: *SIGNED OFF*

X: *PARTIAL EXCAVATION OF CONTAMINATED SOIL, NO FURTHER REMEDIATION OF CONTAMINATED SOIL*

CASE TYPE

U: *UNDETERMINED*
Unknown if GW impacted

G: *GROUNDWATER*
Known GW contamination

D: *DRINKING WATER*
usually NA

MAX GW

FP = 999999.9

ELSE HIGHEST DISSOLVED CONSTITUENT LEVEL

REMEDIAL ACTION

ED: Excavate and Dispose - remove contaminated soil and dispose in approved site

ET: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)

FP: Remove Free Product - remove floating free product from water table

GT: Pump and Treat Groundwater - generally employed to remove dissolved contaminants

NA: No Action Required - incident is minor, requiring no remedial action

NT: No Action Taken - no inication of action taken

UK: Unknown - remedial action proposed but no report on implementation

SUBSTANCE

GASOLINE: 8006619

DIESEL: 12034

WASTE OIL: 12035

PREMIUM GAS: 12033

REGULAR GAS: 12032

UNLEADED GAS: 12031

MISCELLANEOUS MOTOR FUEL: 12036

COUNTY

Alameda: 01

Contra Costa: 07

Marin: 21

Napa: 28

San Fransisco: 38

San Mateo: 41

Santa Clara: 43

Solano: 48

Sonoma: 49

NOTE: other codes available via reference manual

Roy Bob – Safety Engineer
Scott McCallister – Industrial Hygienist consultant SP

CENTRAL AND NORTH BAY COUNTIES

UNDERGROUND STORAGE TANK COMMITTEE MEETING

JULY 14,1987
9:30 A.M.

AGENDA

Scott McCallister from CAL OSHA will discuss safety issues related to underground tank removals. The following areas will be discussed:

1) VAPOR DETECTION METERS
   - A) HOW TO CALIBRATE
   - B) HOW TO USE
   - C) THEIR LIMITATIONS
2) CONFINED SPACES AND UNSTABLE GROUND
   - A) REGULATIONS CONCERNING CONFINED SPACES
   - B) HOW TO RECOGNIZE UNSTABLE GROUND
3) PERSONAL PROTECTIVE EQUIPMENT
   - A) CLOTHING
   - B) RESPIRATORS: WHEN ARE THEY NEEDED
4) COMMON ACCIDENTS- BACKDOOR SITUATIONS
5) CAL OSHA REGULATIONS VS. FEDERAL REGULATIONS
   - A) CAL OSHA REGULATIONS FOR PUBLIC EMPLOYEES
   - B) FEDERAL OSHA REGULATIONS FOR PRIVATE EMPLOYEES
6) DISCUSSION

INTRAOFFICE SPILL/COMPLAINT INCIDENTS

No Prop. 65

Office Notification

Date: [redacted]
Time: 10:30
Rcvd by: PWJ
Rptd by: Anonymous
Agcy:
Addr:
Phone:

RESPONSE/INFO ROUTING

To Field Inspector (Original)

Seq	TO	Ini	Time
	MHK		
	PWJ		
	RSS		

☐ Emergency Hand deliver / Phone contact
☐ Routine Inbasket

INFORMATION ROUTING (copy)

Seq	To	Ini	
	SL		
	DC		
	AEO		
	EO *		

* Emergency or if Media involved, hand carry to EO.

File:

Incident Type:
☑ Emergency ☐ Routine
☐ Spill ☐ Oil ☐ Chem ☐ Other
☑ Complaint ☐ Other

INCIDENT INFORMATION (Completed by individual receiving complaint)

Discharge Date: Ongoing Time: — Previous Occurrence ☑ N

Type of Material: Waste oil Volume: Unknown

Source: AC Transit Address: 1100 Seminary, Oakland

Phone:

Cause: Apparent leaks/dumping in mechanic pit area.

State Waters Impacted: Apparent floating product GW.

Extent of Impact: Unknown. Highly contaminated soil and free oil present.

RESPONSE (Completed by investigator)

Staff Investigation: Phone Contact Phone #:

Other Agency Responding: ☐ SDF&G ☐ USGS ☐ Co. Health ☐ Other:

AGENCY NOTIFIED (Completed by investigator; in emergencies, by complaint taker)

	Date/Time	Contact	Phone #	Required for Sig:
EPA				spills
USCG			556-3741	oil/chem spills
SDF&G			8-944-2011	fish kills/spills
Co. H.D. Alameda	7/16 11:30	R. Theriot		public health
Other				

CONTACTS MADE BY MEDIA

Media	Reporter	Staff Contact	Date/Time

(Use back for add. notes)

- Anonymous report of oil contaminated soils being reused onsite. Possible illegal disposal. Free product detected in soil borings - intent of contractor is apparently to cover up situation.

- Contacted R. Shahid @ Ala. Co. Health and requested assistance. He will have an inspector go to right today (7/16) at ~12 noon. He will keep us informed of any key developments. PWJ 7/16/87 11:38

AC Transit
Alameda-Contra Costa Transit District

~~508 16th Street~~, Oakland, California 94612 □ (415) 891-4777
1600 Franklin St.

GSZ 6/21/87

June 16, 1987

AC TRANSIT
1100 SEMINARY AVE
OAKLAND
/ALAMEDA

Mr. Gregory S. Zentner
Water Resources Control Engineer
California Regional Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street, Room 6040
Oakland, CA 94607

Dear Mr. Zentner:

Subject: AC Transit Facilities Improvement Program
Division 4, Seminary Reconstruction
Contract D4-5, Maintenance Building
Notification of Contamination

This letter, together with Form HSC 05 (10/85), comprises an initial report of soils contamination from motor oil at our construction site within the Seminary Avenue bus maintenance facility in Oakland. This condition was encountered on June 2, 1987, during earth excavation. During the ensuing 24 hours, we conducted an initial investigation and found the following.

1. The viscous fluid had a limited horizontal spread.

2. The fluid was totally vertically confined by the deep, silty clay blanket that underlies the property. The fluid did not penetrate the clay that starts at 2 to 3 feet below the superficial fill.

3. Samples taken from the contaminated fill and immediately below the fill/clay boundary (thus in the clay) revealed the confinement of the contaminant in the upper fill. Tests completed on these soils samples confirmed the fact that the viscous liquid is petroleum product motor oil and degraded motor oil.

4. Samples from monitoring wells show no significant groundwater contamination.

5. In the investigation, we identified the abandoned broken pipe containing the motor oil. This pipe is within the fill and does not penetrate the clay layer.

AC Transit is removing the contaminated fill in accordance with regulatory criteria and will take further samples in the clay layer to confirm earlier findings. Subsequent to this effort, construction of the maintenance building will be resumed.

Very truly yours,

Nathaniel A. Gage
Director of Finance
Project Director for
Facilities Development

gd
Attachment

cc: Keith Steckly - AC Transit
H. M. Nahler - KE
S. Whitehead - KE
L. Hanson - KE
State Water Resources Control Board
Toxic Substances Control Div.

AC Transit
Alameda-Contra Costa Transit District

508 16th Street, Oakland, California 94612 □ (415) 891-4777

III
652
6/22/87

June 5, 1987

CALIFORNIA REGIONAL

JUN 10 1987

QUALITY CONTROL BOARD

California Regional Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street, Rm. 6040
Oakland, CA 94607

Gentlemen:

/ Alameda

Subject: AC Transit Facilities Improvement Program
Division 4, Seminary Reconstruction
Contamination Found During Removal of Underground Storage Tanks

The District has been demolishing its old facilities at 1100 Seminary Avenue in Oakland and rebuilding replacement facilities. This program required the demolition of the old fuel island and removal of the underground tanks which contained diesel fuel, gasoline, and engine oil. The fuel island and tank farm were constructed in 1947 and were in operation until October 1986.

In September of 1986, in preparation for removal of the tanks, test holes were drilled next to the tanks and soils samples collected to determine if contamination existed.

Our contractor, working closely with Alameda County Health Care Services Agency, Hazard Materials Program, prepared and received approval of "Plan of Correction for AC Transit Facility, Division 4." A copy of the plan is enclosed. As a part of the plan, the contractor removed the tanks and identified the location of any soils with hydrocarbons in excess of 100 mg/kg. Soils with concentration over 1,000 mg/kg were excavated and stockpiled. Further testing of stockpiled materials showed a concentration of less than 1,000 mg/kg, and the material was then used for backfill of the hole. Following backfill, monitoring wells were installed and sampled by Baseline Environmental Consultants. A copy of this report is also enclosed.

Prior to groundwater sampling from the wells, the wells were checked for floating product. No floating product in excess of 1/4-inch was identified in any of the wells. Laboratory analytical results of groundwater samples from the monitoring wells showed fuel hydrocarbons ranged from 20 to 50 mg/L, and BTX was identified in the samples.

At the same time the above work was in progress, the District started an investigation to determine the extent of groundwater contamination, in that it could possibly impact the maintenance building which was to be constructed immediately south of the old fuel island. Some exploratory holes closer to the old fuel island exhibited groundwater contamination, while holes further to the south did not exhibit any contamination; several holes did not encounter groundwater.

Although this work was performed basically for determining construction impact on the new building, work was pursued at the same time to identify other impact on groundwater contamination at the site. For this reason, location of wells and risk analysis was prepared. This report entitled "Assessment of TPH Release at AC Transit Site, 1100 Seminary Avenue, Oakland Risk Analysis," prepared by Kaiser Engineers, is enclosed for your information.

It appears from the investigation and analysis made to date that the following would apply to the District's remedial plans and efforts.

1. The source of contamination is related to fuel leaks from the underground tanks, and these tanks have been removed.

2. The site has low sensitivity to contamination as the general hydrology of the site limits spreading of the contamination, and the few wells which are down gradient from the site represent a site that can tolerate a higher degree of contamination with minimal risk to groundwater and public health. Further the wells are not located directly down-gradient from the site, but are offset greater than 1/2-mile from the line marking the direction of groundwater flow.

Accordingly, based on the above, the District would propose to complete its remedial plan by monitoring of the existing wells every 6 months for a period of 2 years. At the end of the 2-year monitoring period, the situation would then be reviewed to determine if any further remediation effort is required.

Please advise us of your approval of this plan of action. If you would care to meet with me or our consultants to discuss this further, please call me at 891-4871.

Very truly yours,

Nathaniel A. Gage
Director of Finance
Project Director for
Facilities Development

gd
Enclosures

cc: R. A. Shadid - Alameda County
H. M. Nahler - KE
S. Whitehead - KE
B. Ausmus - KE

File

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

470-27th Street, Third Floor
Oakland, California 94612
(415) 874-7237

December 12, 1986

Mr. Mike Chambers
S.J. Amaroso Construction Co., Inc.
348 Hatch Drive
Foster City, CA 94404

Dear Mr. Chambers:

We are in receipt of your plan of correction for A.C. Transit Facility, Division 4, 8° Seminary Ave., Oakland, CA.

In general, the plan is acceptable, however, under item III, if any soil contamination is found greater than 100 ppm, a water monitoring well must be installed in accordance with the policy and guidelines set forth by the Regional Water Quality Control Board, San Francisco Bay Region.

Also, please submit copies of all completed manifest, analysis of all samples taken and monitoring well log and lab analysis.

If you have any questions, please contact Edgar B. Howell, III, Senior Hazardous Materials Specialist, at 874-7237.

Sincerely,

Edgar B Howell III

Rafat A. Shahid, Chief
Hazardous Materials Program

RAS:mn-c

cc: Peter Johnson, RWQCB
Dwight Hoenig, DOHS