LOP - RECORD CHANGE REQUEST FORM

printed: 01/10/2000

Mark Out What Needs Changing and Hand to LOP Data Entry
(Name/Address changes go to Annual Programs Data Entry)

Insp: DH

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
StID : 1287 LOC: -0-
SITE NAME: Dreyers Grand Ice Cream DATE REPORTED : 01/11/1990
ADDRESS : 5929 -0 College Ave DATE CONFIRMED: 01/11/1990
CITY/ZIP : Oakland 94618 MULTIPLE RPs : N

SITE STATUS

CASE TYPE: O CONTRACT STATUS: 4 PRIOR CODE:-0- EMERGENCY RESP: -0-
RP SEARCH: S DATE COMPLETED: 02/27/1992
PRELIMINARY ASMNT: U DATE UNDERWAY: 07/01/1991 DATE COMPLETED: -0-
REM INVESTIGATION: - DATE UNDERWAY: -0- DATE COMPLETED: -0-
REMEDIAL ACTION: - DATE UNDERWAY: -0- DATE COMPLETED: -0-
POST REMED ACT MON:- DATE UNDERWAY: -0- DATE COMPLETED: -0-

ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN: 02/27/1992
LUFT FIELD MANUAL CONSID: 3
CASE CLOSED: - DATE CASE CLOSED: -0-
DATE EXCAVATION STARTED : 12/13/1989 REMEDIAL ACTIONS TAKEN: ET

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: William Collett
COMPANY NAME: Dreyer's Grand Ice Cream, Inc.
ADDRESS: 5929 College Ave.
CITY/STATE: Oakland, C A 94618-1391

INSPECTOR VERIFICATION:

NAME _____ SIGNATURE _____ DATE _____

DATA ENTRY INPUT:

Name/Address Changes Only

ANNPGMS _____ LOP ____ DATE _____

Case Progress Changes

LOP _____ DATE _____

Dreyer's Grand Ice Cream

ENVIRONMENTAL PROTECTION
99 OCT 12 PM 4:20

October 1, 1999

Ms. Juliet Shin
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Subject: **Continuing Environmental Investigations**
Dreyer's Grand Ice Cream
5929 College Avenue
Oakland, California

Dear Ms. Shin:

Pursuant to your letter of August 25, 1999, Dreyer's Grand Ice Cream (Dreyer's) is pleased to provide this schedule for continuing environmental investigations at 5929 College Avenue in Oakland, California.

If you have any questions, please contact me at (510) 601-4351, or Mr. Grover Buhr at CET Environmental Services, Inc. at (510) 243-9500, extension 216.

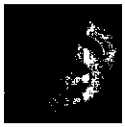
Sincerely,

Gwen M. Brennan
Office/Building Manager

Attachment

cc: Rich Hiett, Regional Water Quality Control Board

A:\DRSUBLET.DOC



CET Environmental Services, Inc.

3033 Richmond Parkway, Suite 300
Richmond, California 94806
Telephone: (510) 243-9500
Facsimile: (510) 243-9501

September 30, 1999

Ms. Juliet Shin
Hazardous Materials Specialist
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Subject: **Timeline for Continuing Environmental Investigations**
Dreyer's Grand Ice Cream
5929 College Avenue
Oakland, California
CET Project No. 3987

Dear Ms. Shin:

On behalf of Dreyer's Grand Ice Cream (Dreyer's), CET Environmental Services, Inc. (CET) is pleased to present this schedule for continuing environmental investigations at the Dreyer's facility at 5929 College Avenue in Oakland. As stated in your letter of August 25, 1999, and agreed during our meeting on August 20, these activities include:

- Reporting on the results of the June 1999 Geoprobe investigation
- Installing two groundwater monitoring wells, one in the vicinity of Geoprobe borings 3 and 4, and one on the south side of Chabot Road down gradient from monitoring wells MW3 and MW4
- Two successive quarters collecting groundwater from the new wells and analyzing the samples for total petroleum hydrocarbons quantified as Diesel (TPH-D), total petroleum hydrocarbons quantified as gasoline (TPH-G), the gasoline compounds benzene, toluene, ethyl benzene and xylenes (BTEX compounds) and the semi-volatile organic compound naphthalene
- Submitting a work plan for "bioindicator" analysis, and then collecting groundwater for analysis of bioindicator parameters, to attempt predicting the rate of natural biodegradation of the contaminants in groundwater
- Performing risk assessments for Tier 2 residential, commercial and construction worker scenarios for soil vapor from soil (on site only) and groundwater (on site and off site), as stipulated in your letter

To perform the risk assessments, CET proposes to use the City of Oakland Risk Based Corrective Action (RBCA) method, which was developed by the Oakland Urban Land Redevelopment Program (URL). We understand that this program was developed in consultation with your agency (and others) and that it has been successfully applied in cooperation with your agency at similar sites in Oakland.

Also as agreed during our meeting on August 20, Dreyer's proposes to perform the majority of this work during calendar year 2000, which is reflected in the schedule below.

October 1999
Submit a report presenting the activities and results of the second quarter 1999 groundwater monitoring and the Geoprobe investigation. This report will also include the proposed location of the two groundwater monitoring wells to be constructed and a brief work plan for the bioindicator sampling.

January 2000
Install, survey and develop the two new wells. Collect samples from these wells to analyze for TPH-D, TPH-G, BTEX compounds and naphthalene. Collect samples from wells to be specified in the October 1999 work plan and analyze samples for bioindicator parameters.

February 2000
Submit well installation report.

April 2000

Collect samples for analysis for TPH-D, TPH-G, BTEX compounds and naphthalene from the two new wells and collect samples for analysis for bioindicator parameters from specified wells.

May-June 2000
Perform risk assessments and submit results.

If you have any questions or comments, please do not hesitate to contact me at (510) 243-9500.

Sincerely,

CET ENVIRONMENTAL SERVICES, INC.

Grover S. Buhr, R.G.
Project Manager

Cc: Gwen Brennan, Dreyer's Grand Ice Cream
Rich Hiett, Regional Water Quality Control Board

Dreyer's
Grand Ice Cream

5929 College Avenue
Oakland, California 94618-1391

STAMP

Ms. Juliet Shin
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

94502/5540

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 25, 1999

Ms. Gwen Brennan
Dreyers Grand Ice Cream
5929 College Avenue
Oakland, CA 94618-1391

STID: 1287
Re: Investigations at Dreyers Grand Ice Cream, located at 5929 College Avenue, Oakland, CA

Dear Ms. Brennan,

Based on the results of the Geoprobe investigation conducted in June 1999, and our meeting on August 20, 1999, it was determined that two additional permanent monitoring wells will be installed for the above investigations, with one well being located in proximity to Geoprobe borings 3 and 4, and the other well being located across Chabot Road, downgradient of existing Wells MW-3 and MW-4. These wells will be installed to monitor the migration of the site's contaminant plume and to collect representative data for a residential scenario risk assessment. Prior to installing the two additional monitoring wells, a figure must be submitted to our office indicating the definitive locations of these wells.

Per our meeting on August 20, 1999, after the two monitoring wells are installed and monitored for two consecutive quarters, a risk assessment will be prepared to determine whether the site's soil and groundwater contamination is posing a threat to on-site commerical uses, as well as whether off-site groundwater contaminant concentrations are posing a threat to adjacent residences. The risk assessment shall assess risks using the "driving" (i.e., most toxic) constituents of gasoline and diesel, which are benzene, toluene, ethylbenzene, total xylenes, and napthalene.

Additionally, as discussed in our meeting, sampling for bioindicator parameters, such as Dissolved Oxygen (DO), sulfates, nitrates, oxidation-reduction potential, ferrous iron, etc., will be required to predict the rate of natural degradation of the contaminant plume. A short workplan proposing which wells shall be sampled, the frequency of sampling, the parameters to be sampled for, and the sampling and analytical methods should be submitted to this office with the well installation report for the two new wells.

The on-site risk assessment should address both the "Groundwater Vapor Intrusion from Groundwater to Buildings" and "Soil Vapor Intrusion from Soil to Buildings" pathways for a commercial scenario at 10^{-5} risk, although you may want to consider conducting one for a residential scenario as well. The off-site risk assessment shall address the "Groundwater Vapor Intrusion from Groundwater to Buildings" pathway for a residential scenario at a 10^{-5} risk. If the on-site commercial and off-site residential risk assessment scenarios determine that there is no threat to human health and the environment, and it can be determined that adequate biodegradation of the plume is occurring, than the site may be considered for closure. Prior to closure, however, a construction worker scenario risk assessment will also be required to assure that any exposures due to future construction or maintenance work will not pose a threat to workers.

Since there appears to be adequate information on historical contaminant concentrations to prepare the on-site risk assessment, monitoring of on-site wells MW-1 through MW-5 may be discontinued for the time being. However, if it is determined from the risk assessment that contaminant concentrations are exceeding protective threshold values, then monitoring of these wells will need to be resumed, and mitigation measures must be taken to expedite degradation of the contaminant plume.

A timetable should be submitted to this office within 45 days of the date of this letter (i.e., by October 6, 1999) summarizing the intended or anticipated schedule for implementing the above work. Subsequent to the installation of the two new monitoring wells, a report must be submitted incorporating details of field work and lab analyticals for both this work and the Geoprobe investigations conducted in June 1999. Additionally, a workplan for the bioindicator sampling requirements must also be submitted with the well installation report.

If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,

Juliet Shin, R.G.
Hazardous Materials Specialist

Cc: William C. Collett
Dreyers Grand Ice Cream
5929 College Avenue
Oakland, CA 94618-1391

Grover Buhr
CET Environmental Services, Inc.
3033 Richmond Pkwy., Ste 300
Richmond, CA 94806

Alameda County Environmental Health

1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
Telephone (510) 567-6700 FAX (510) 337-9335

FACSIMILE COVER SHEET

TO: Gwen Brennan, Dreyers, Fax: 510-450-4592

FROM: Juliet Shin

DATE: 08/25/99

Total number of pages including cover sheet 3

-NOTES- Per our meeting on Aug. 20, here is a letter summarizing the next phase of investigations.

-Juliet Shin

TRANSMIT REPORT

1999.08-25 13:03
510 337 9335
ALAMEDA CO EHS HAZ-OPS

COM No.	REMOTE STATION	START TIME	DURATION	PAGES	RESULT	USER ID	REMARKS
061	1 510 450 4592	08-25 12:59	04'00	03/03	OK		

7499402046

Alameda County Environmental Health

1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
Telephone (510) 567-6700 FAX (510) 337-9335

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FROM: Juliet Shin

DATE: 08/25/99

Total number of pages including cover sheet 3

-NOTES- Per our meeting on Aug. 20, here is a letter summarizing the next phase of investigations.

-Juliet Shin

NOTES
Dreyers
5929 College Ave., Oakland
August 4, 1999

Reviewed the faxed table of sample results from the most recent Geoprobe sampling event to delineate the extent of the groundwater contaminant plume. As was seen in on-site monitoring wells, "TPHd" was identified in the off-site wells with all the detections not matching the standard diesel patterns. The highest hit was off-site, across Chabot St., next to the residences. At this point in time, it is unknown whether Dreyers was the source of this contamination, or whether it is a regional problem. CET should review reports of the adjacent investigation site on College to see whether they are getting any diesel as well.

Based on the fact that no MTBE was identified on site, it appears that the contamination on the Dreyers site is not resulting from the upgradient Sheaf's Auto Repair.

One permanent well should be placed downgradient of Well MW-5, one should be placed in proximity to CB-10, and another across Chabot Road on the side of the residences in and around CB-9 and CB-8.

- After a couple of qtrs of monitoring, a risk assessment can be conducted for both the residential + commercial scenarios to see whether cleanup levels pass. If they do, + levels do.
- TPHd is not a primary constituent of concern. One addit analysis for TPHd across Chabot from permanent well will be required to confirm results from grab samples.
- If appear to be attenuating + not migrating to Bay, then site can proceed closure - if levels continue to pose threat to human health efforts can be made to mitigate problem.

CET Environmental Services, Inc.

3033 Richmond Parkway, Suite 300
Richmond, California 94806
Telephone: (510) 243-9500
Facsimile: (510) 243-9501

August 3, 1999

Ms. Juliet Shin
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94618

Subject: **Results of Geoprobe Investigation**
Dreyer's Grand Ice Cream
5929 College Avenue,
Oakland, California
CET Project No. 3987

Dear Ms. Shin:

Per our exchanged voice-mail messages, attached are plans and tables showing the results of the latest groundwater monitoring and the Geoprobe investigation conducted June 23 through 25, 1999 at and near the above-referenced site. I will mail the actual laboratory reports, if you wish, or can bring them to our meeting.

Regarding the nearby homeowner whom you said is planning to construct a basement, CET and Dreyer's consider it inappropriate to contact this person. We are in the midst of conducting an investigation to evaluate what relationship, if any, conditions under the Dreyer's site may have with conditions off the site. At this time, we are not convinced that the contaminants detected in the off-site borings are related to the former underground tanks at the site.

I look forward to meeting with you to discuss these results. If you have any questions or comments, please do not hesitate to call at (510) 243-9500.

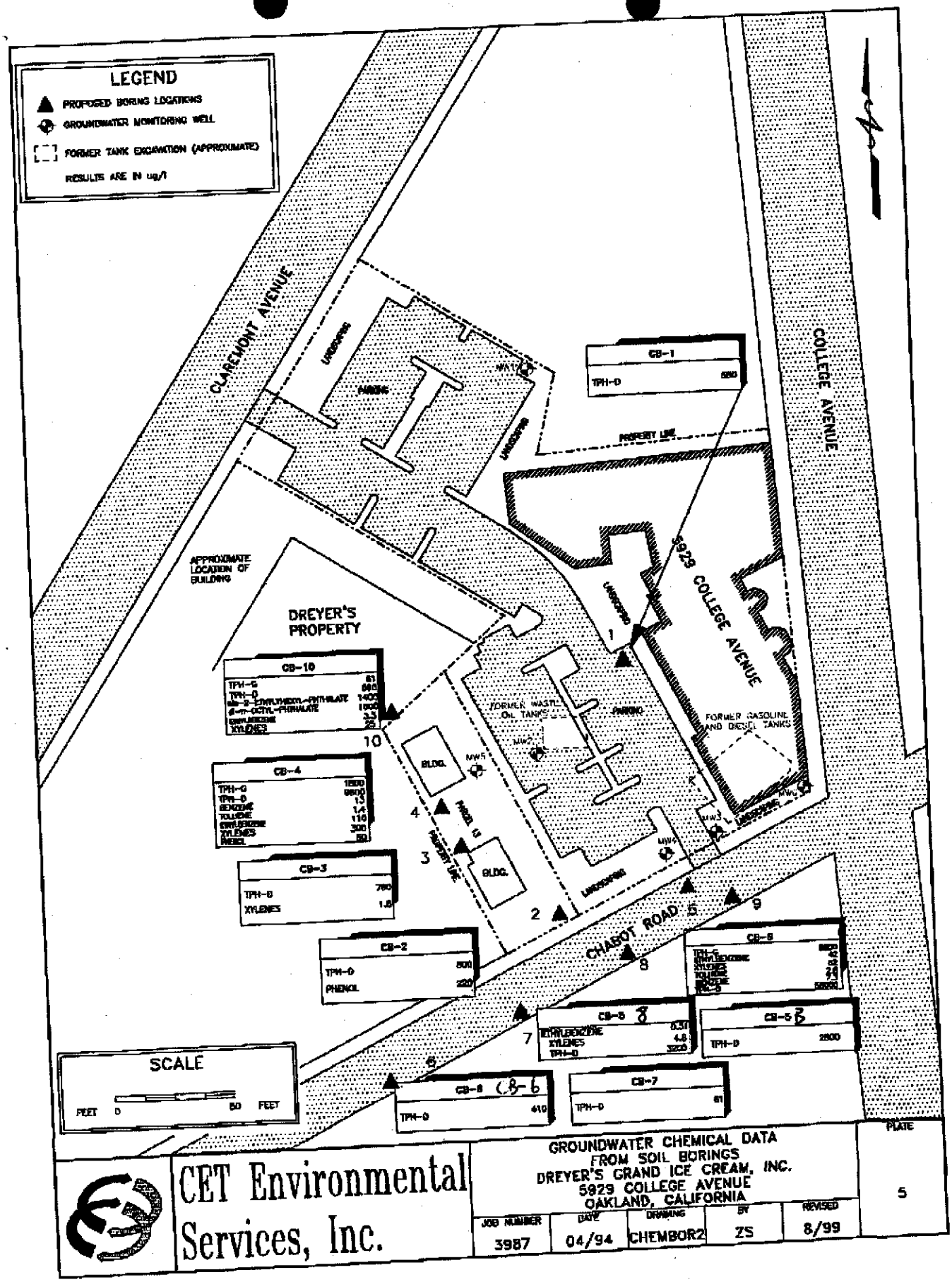
Sincerely,
CET ENVIRONMENTAL SERVICES, INC.

Grover Buhr, R.G.
Project Manager

Attachment

Cc: Gwen Brennan, Dreyer's Grand Ice Cream

799IVrst.doc



CET Environmental Services, Inc.

GROUNDWATER CHEMICAL DATA
FROM SOIL BORINGS
DREYER'S GRAND ICE CREAM, INC.
5929 COLLEGE AVENUE
OAKLAND, CALIFORNIA

PLATE 5

JOB NUMBER	DATE	DRAWING	BY	REVISED
3987	04/94	CHEMBOR2	ZS	8/99

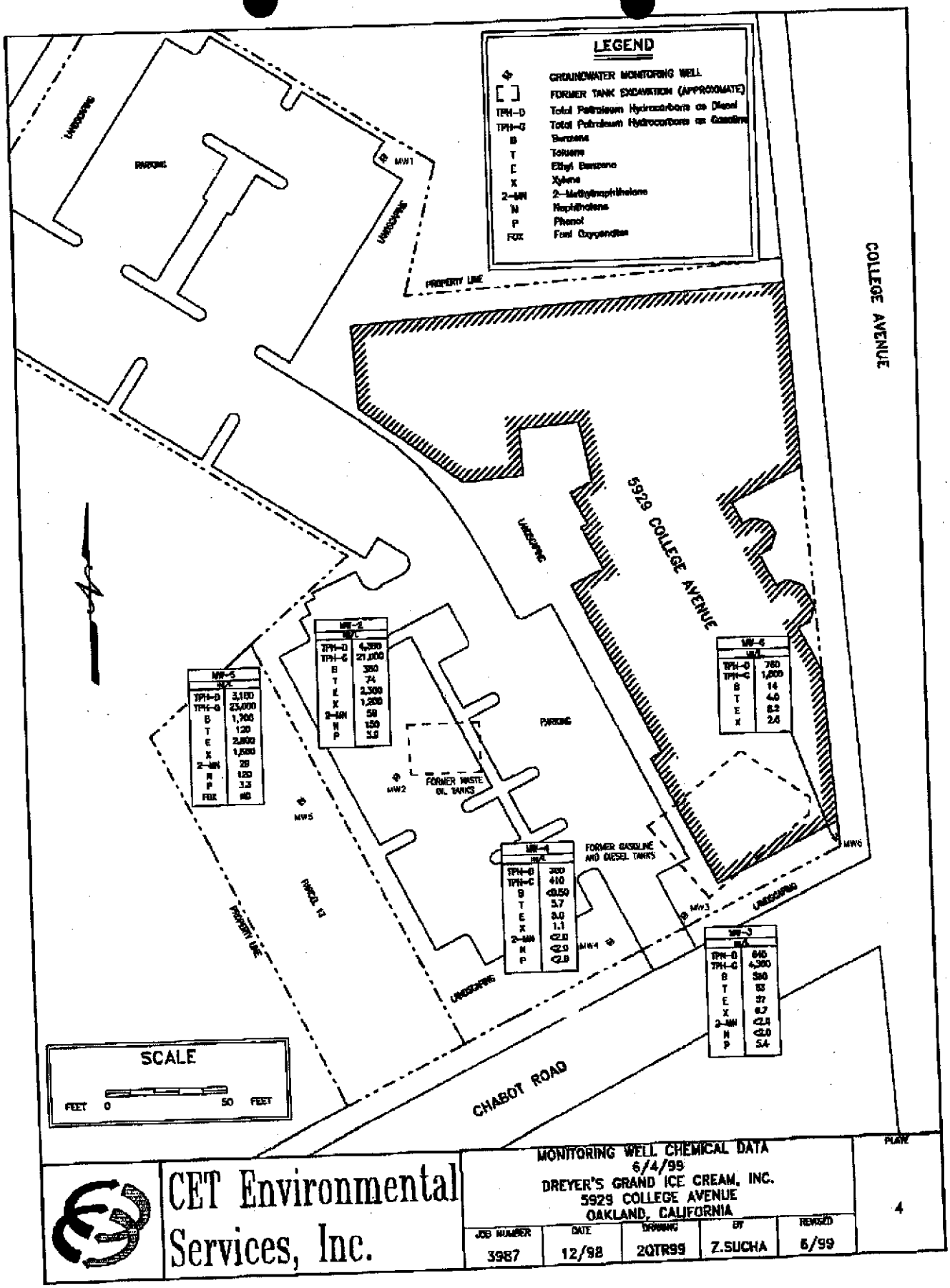

LEGEND
GROUNDWATER MONITORING WELL
FORMER TANK EXCAVATION (APPROXIMATE)
TPH-D Total Petroleum Hydrocarbons as Diesel
TPH-G Total Petroleum Hydrocarbons as Gasoline
B Benzene
T Toluene
E Ethyl Benzene
X Xylene
2-MN 2-Methylnaphthalene
N Naphthalene
P Phenol
FOX Fuel Oxygenates
COLLEGE AVENUE
5929 COLLEGE AVENUE
PROPERTY LINE
LANDSCAPING
PARKING
FORMER WASTE OIL TANKS
FORMER GASOLINE AND DIESEL TANKS
MW1
MW2
MW3
MW4
MW5
MW6
PARCEL #3
CHABOT ROAD
SCALE
FEET 0 50 FEET
CET Environmental Services, Inc.
MONITORING WELL CHEMICAL DATA
6/4/99
DREYER'S GRAND ICE CREAM, INC.
5929 COLLEGE AVENUE
OAKLAND, CALIFORNIA
JOB NUMBER 3987
DATE 12/98
DRAWING 2QTR99
BY Z.SUCHA
REVISED 6/99
PLATE 4

TABLE 3

Boring Groundwater Chemical Data Summary
Dreyer's Grand Ice Cream, Inc.
5929 College Avenue
Oakland, California
CET Project # 3987-000

Boring Number	Sampling Date	MTBE	TPHD	TPHG	B	T	E	X	Phenol	Bis(2-E)	Di-n-op
		µg/L									
CB-1	6/25/99	<5.0	550[b]	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA
CB-2	6/24/99	NA	800[b]	<50	<0.50	<0.50	<0.50	<0.50	220	<130[d]	<130[d]
CB-3	6/23/99	NA	760[b]	<50	<0.50	<0.50	<0.50	1.8	<50[d]	<130[d]	<130[d]
CB-4	6/22/99	NA	9800[b]	1800[c]	13	1.4	110	390	50	<130[d]	<130[d]
CB-5B	6/24/99	NA	2800[a]	NA	NA	NA	NA	NA	NA	NA	NA
CB-6	6/23/99	NA	410[b]	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA
CB-7	6/24/99	NA	61[b]	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA
CB-8	6/24/99	NA	3200[a]	<50	<0.50	<0.50	0.51	4.6	<50[d]	<130[d]	<130[d]
CB-9A	6/22/99	<25	58000[a]	9800[c]	7.3	2.6	42	82	NA	NA	NA
CB-10	6/24/99	NA	690[b]	61	<0.50	<0.50	3.3	25	<50[d]	<130[d]	<130[d]

NOTES

MTBE = methyl-tert-butyl ether EPA Method 8260A
TPHD = total petroleum hydrocarbons as diesel EPA Method 8015
TPHG = total petroleum hydrocarbons as gasoline by EPA Method 8015
B = benzene, T = toluene, E = ethyl benzene, X = xylenes by EPA Method 8020
Bis(2-E) = bis(2-Ethylhexyl) phthalate
Di-n-op = Di-n-octyl phthalate
µg/L = micrograms per Liter, equal to parts per billion or ppb
NA = analysis was not required
ND = not detected - see laboratory reports for reporting limits for each compound

a. Hydrocarbon reported is in the early Diesel Range and does not match the laboratory's Diesel Standard.
b. Hydrocarbon reported does not match the pattern of the laboratory's Diesel Standard.
c. Hydrocarbon reported in the gasoline range does not match the laboratory's gasoline standard.
d. Reporting limits raised due to insufficient sample volume.

Dreyer's
Grand Ice Cream

06/21/99 - Monitoring Reports for the sampling results contained in this document were never prepared, and this office is receiving these lab analyticals for the first time. I checked all the QA/QC + results against the concentrations listed in Table 2 of the May 3 '99 Q.M. Monitoring Report. They all check out. — Juliet Shin

June 11, 1999

Ms. Juliet Shin
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Subject: **Laboratory Reports for 1995 and 1996**
Dreyer's Grand Ice Cream
5929 College Avenue
Oakland, California

Dear Ms. Shin:

Dreyer's Grand Ice Cream (Dreyer's) is pleased to submit the atttached laboratory reports for groundwater samples collected from the monitoring wells located on the above referenced site during the Fourth Quarter of 1995, and the four quarters of 1996. These laboratory reports are being submitted to you for your records.

If you have any questions, please contact me at (510) 601-4351, or Mr. Grover Buhr at CET Environmental Services, Inc. at (510) 243-9500, extension 216.

Sincerely,

Gwen M. Brennan

Gwen M. Brennan
Office/Building Manager

Attachments

99 JUN 15 PM 1:38
ENVIRONMENTAL PROTECTION

C:\WMFILES7\3987\TL-JS.WPD

510.652.8187 - 800.888.3442
5929 College Avenue, Oakland, California 94618-1391
www.dreyers.com

Pg. 1

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy.
Suite 250
Alameda, CA 94502-6577
(510) 567-6700

Pg. 1

II,III

Site ID #1287 Site Name Dreyers Grand Ice Cream Today's Date 6/22/99

Site Address 5929 College Ave

City Oakland Zip 94 Phone

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

Inspection Categories:
___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
___ III. Underground Tanks

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

II.A BUSINESS PLANS (Title 19)

___	1. Immediate Reporting	2703
___	2. Bus. Plan Stds.	25503(b)
___	3. RR Cars > 30 days	25503.7
___	4. Inventory Information	25504(a)
___	5. Inventory Complete	2730
___	6. Emergency Response	25504(b)
___	7. Training	25504(c)
___	8. Deficiency	25505(a)
___	9. Modification	25505(b)

II.B ACUTELY HAZ. MATLS

___	10. Registration Form Filed	25533(a)
___	11. Form Complete	25533(b)
___	12. RMPP Contents	25534(c)
___	13. Implement Sch. Req'd? (Y/N)	___
___	14. OffSite Conseq. Assess.	25524(c)
___	15. Probable Risk Assessment	25534(d)
___	16. Persons Responsible	25534(g)
___	17. Certification	25534(f)
___	18. Exemption Request? (Y/N)	25536(b)
___	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

___	1. Permit Application	25284 (H&S)
___	2. Pipeline Leak Detection	25292 (H&S)
___	3. Records Maintenance	2712
___	4. Release Report	2651
___	5. Closure Plans	2670

Monitoring for Existing Tanks

___ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tstng
8) Annual Tank Testing
Daily Inventory
9) Other _____

___	7. Precis Tank Test Date: _____	2643
___	8. Inventory Rec.	2644
___	9. Soil Testing .	2646
___	10. Ground Water.	2647

New Tanks

___	11. Monitor Plan	2632
___	12. Access. Secure	2634
___	13. Plans Submit Date: _____	2711
___	14. As Built Date: _____	2635

Rev 6/88

Comments:

Came out to site at 8:00 AM. Geoprobe had already been placed in location near CB-1 landscaping, closest to building. First screen interval was from 8-12 ft in stiff clay and very little recharge. Looked at boring logs for existing wells MW-2 and MW-3. First encountered water in these logs were 14' and 15'. ~~Horacio, William Madison, CET, decided to Screen from 12'-16' bgs.~~ Pulled casing, ~~measured~~ placed screen in hole from 9'-5' bgs. Depth to water measured at ~7' bgs. Water was sucked out using a tube and check valve while pumping tube up and down. This created bubbles and may have agitated water too much. Fisch Environmental, the contractor supplying the Geoprobe, did not have a bailer. We decided to have Fisch Environmental use their vacuum instead to fill an amber container & pour into VOA vials. This method was much smoother.

II, III

Contact: _____

Title: _____ Inspector: Juliet Shin

Signature: _____ Signature: Juliet Shin

William Madison
Staff Geologist

CET Environmental Services, Inc.

3033 Richmond Parkway, Suite 300
Richmond, California 94806
Telephone: (510) 243-9500 #201
Facsimile: (510) 243-9501
National Pager: (800) 796-7363
PIN: 104-5670

CITY OF OAKLAND
PUBLIC WORKS AGENCY

CARLTON G. COOPER
CONSTRUCTION INSPECTOR

OFFICE HOURS: 8:00 A.M.-9:30 A.M.
4:00 P.M.-4:30 P.M.

FOR APPOINTMENT
(510) 238-3651
VOICE 238-7258
TTY 839-6451

250 FRANK H. OGAWA PLAZA, STE. 4344, OAKLAND, CA 94612

Pg. 2

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy.
Suite 250
Alameda, CA 94502-6577
(510) 567-6700

II,III

Site ID # 1287 Site Name Dreyers Grand Ice cream Today's Date 8/27/99

Site Address 5929 College Ave

City Oakland Zip 94 Phone

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

Inspection Categories:
____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
____ II. Business Plans, Acute Hazardous Materials
____ III. Underground Tanks

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

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__	3. RR Cars > 30 days	25503.7
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__	6. Emergency Response	25504(b)
__	7. Training	25504(c)
__	8. Deficiency	25505(a)
__	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

__	10. Registration Form Filed	25533(a)
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__	12. RMPP Contents	25534(c)
__	13. Implement Sch. Req'd? (Y/N)	___
__	14. OffSite Conseq. Assess.	25524(c)
__	15. Probable Risk Assessment	25534(d)
__	16. Persons Responsible	25534(g)
__	17. Certification	25534(f)
__	18. Exemption Request? (Y/N)	25536(b)
__	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

__	1. Permit Application	25284 (H&S)
__	2. Pipeline Leak Detection	25292 (H&S)
__	3. Records Maintenance	2712
__	4. Release Report	2651
__	5. Closure Plans	2670

Monitoring for Existing Tanks

__ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tstng
8) Annual Tank Testing
Daily Inventory
9) Other _____

__	7. Precis Tank Test Date: _____	2643
__	8. Inventory Rec.	2644
__	9. Soil Testing .	2646
__	10. Ground Water.	2647

New Tanks

__	11. Monitor Plan	2632
__	12. Access. Secure	2634
__	13. Plans Submit Date: _____	2711
__	14. As Built Date: _____	2635

Rev 6/88

Comments:

Soil from CB-1 had petroleum odor. CB-2 soils were silty clay to clay, generally. Waited for water to recharge into a screened casing from 10'-14' bgs, & continued onto CB-3. Silty and sandy clay observed at ground to 4' bgs. Slightly plastic silty clay observed at 8' bgs & slightly moist - No odor. Screen was placed from 5'-12' bgs. - Came back from lunch @ 1:30P. They began drilling CB-5. The 1st 4' of CB-5 was sand down to ~2' bgs & then gradelly sand. The boring hit resistance at 4½' bgs. Resistance appeared to be due to a tar-like wrapping, reinforced w/ fibers. Out of fear that it may be a conduit, we moved boring location further down the street ~~by~~ 5' & further out towards the middle of the street by 3'. (New location is CB-5' on the map). They did not hit any resistance in CB-5', & it was native (or appeared to be) (No obvious fill). No odor. Screened from 10'-14' bgs. Checked CB-2 for water. Still no recharge. All the

II, III

Contact: _____

Title: _____ Inspector: Juliet Shin

Signature: _____ Signature: Juliet Shin

Pg 3

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy.
Suite 250
Alameda, CA 94502-6577
(510) 567-6700

Hazardous Materials Inspection Form

II,III

Site ID #1287 Site Name Dreyers Grand Ice Cream Today's Date 6/22/99

Site Address 5929 College Ave

City Oakland Zip 94 Phone

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

Inspection Categories:

____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
____ II. Business Plans, Acute Hazardous Materials
____ III. Underground Tanks

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

II.A BUSINESS PLANS (Title 19)

__	1. Immediate Reporting	2703
__	2. Bus. Plan Stds.	25503(b)
__	3. RR Cars > 30 days	25503.7
__	4. Inventory Information	25504(a)
__	5. Inventory Complete	2730
__	6. Emergency Response	25504(b)
__	7. Training	25504(c)
__	8. Deficiency	25505(a)
__	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

__	10. Registration Form Filed	25533(a)
__	11. Form Complete	25533(b)
__	12. RMPP Contents	25534(c)
__	13. Implement Sch. Req'd? (Y/N)	___
__	14. OffSite Conseq. Assess.	25524(c)
__	15. Probable Risk Assessment	25534(d)
__	16. Persons Responsible	25534(g)
__	17. Certification	25534(l)
__	18. Exemption Request? (Y/N)	25536(b)
__	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

__	1. Permit Application	25284 (H&S)
__	2. Pipeline Leak Detection	25292 (H&S)
__	3. Records Maintenance	2712
__	4. Release Report	2651
__	5. Closure Plans	2670

Monitoring for Existing Tanks

__ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tsting
8) Annual Tank Testing
Daily Inventory
9) Other _____

__	7. Precis Tank Test Date: _____	2643
__	8. Inventory Rec.	2644
__	9. Soil Testing.	2646
__	10. Ground Water.	2647

New Tanks

__	11. Monitor Plan	2632
__	12. Access. Secure	2634
__	13. Plans Submit Date: _____	2711
__	14. As Built Date: _____	2635

Rev 6/88

Comments:

borings/~~locations~~ emplaced today will have a cap placed on screen casing and a cold pack will be put on top until Thursday, June 24 when they will come out & try to resample.

II, III

Contact: _____

Title: _____ Inspector: Juliet Shin

Signature: _____ Signature: Juliet Shin

Alameda County Environmental Health

1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
Telephone (510) 567-6700 FAX (510) 337-9335

FACSIMILE COVER SHEET

TO: Grover Buhr, CET, 510-293-9501

FROM: Juliet Shin

DATE: 06/04/99

Total number of pages including cover sheet 2

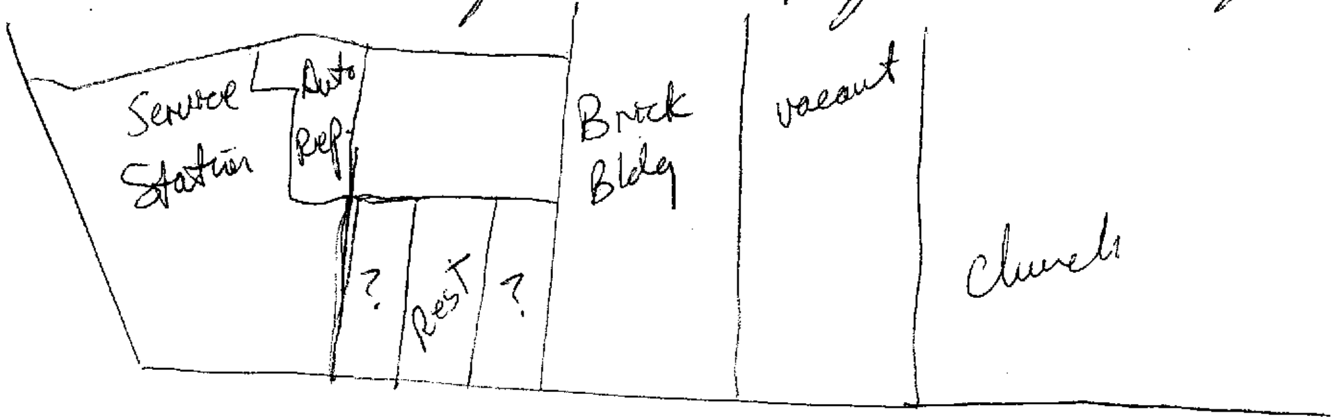
-NOTES- Grover, per your request, here is a copy of my sketches from the 1932 & 1951 Sanborn Maps for the site.

-Juliet Shin

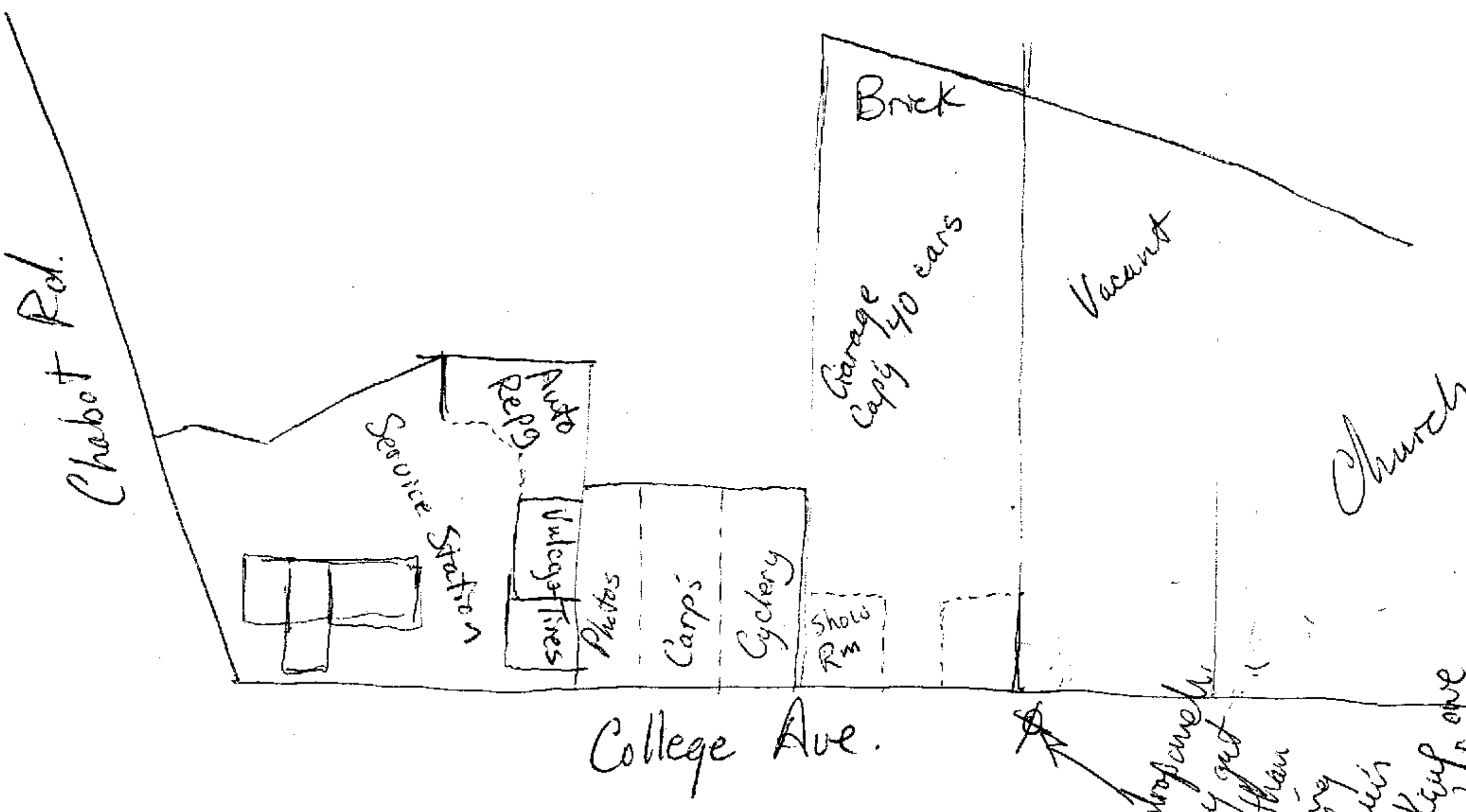
-Any maps available after 1951.

pg. 278 1951 Sanborn Map

-Does not indicate any business assoc. w/ gas pumps assoc. w/ brick walls or the auto repair referenced by John at Schraft's.



pg 278 1932



hypothetically if they get MTBE than not coming from their site. Keep one boring next to landscape?

Nothing after

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)

May 27, 1999

Ms. Gwen Brannan
Dreyers Grand Ice Cream
5929 College Avenue
Oakland, CA 94618

STID: 1287
Re: Workplan for groundwater investigations at the Dreyers Grand Ice Cream site, located at 5929 College Avenue, Oakland, CA

Dear Ms. Brannan,

This office has reviewed CET Environmental Services, Inc.'s (CET) May 3, 1999 Groundwater Monitoring Report and Workplan. Subsequent to our review, I met with you and your consultant, Grover Buhr, on May 26, 1999 to discuss our comments and recommended revisions to your workplan. Per our meeting, and subsequent discussions, five of the proposed upgradient borings were eliminated, and four borings were added running westward from the site along Chabot Road (please refer to the attached figure showing the revised boring locations, which Grover Buhr faxed to our office on May 27, 1999).

Per our discussions, a minimum of two permanent monitoring wells will need to be installed after this initial phase of work. One well must be placed downgradient of Wells MW-3 and MW-4 across Chabot Road and adjacent to the residences. Another well must be placed downgradient of Well MW-5 to try and further delineate the plume. Per our agreement, after the first phase of work, a meeting with you, the County, and your consultant will be held to discuss the sample results and any additional work that may need to be conducted with the installation of the two monitoring wells in the second phase of investigations. After the second phase of work, a report shall be submitted to this office documenting all the work and analytical results from both phases of investigations.

Currently, this office is not requiring the collection of soil samples or soil gas samples. We are primarily interested in the off-site delineation of the groundwater contaminant plume. As discussed, soil vapor samples may be required in the future **if** groundwater contaminant concentrations exceed human-health protective threshold values adjacent to or below residential and/or commercial buildings.

The groundwater sample collected from the northeastern most hydropunch shall be analyzed for MTBE, in addition to TPHg, TPHD, and BTEX. This is for the purpose of determining whether any contaminants identified from this location are attributable to the upgradient petroleum plume identified at Sheaf's Auto Repair which contains elevated levels of MTBE. Per our conversations on May 26, 1999, this boring was proposed to address the downgradient area of the alleged gasoline contamination identified within the former Dreyer's northern parking lot in the early 1990s.

In reference to quarterly groundwater monitoring, the next round of groundwater monitoring is due to be conducted in June 1999. Since an 8260 analysis for oxygenates using low detection limits was not conducted for Well MW-5 in the last sampling event, you will be required to conduct this analysis during the next monitoring event. A detection limit less than or equal to 50ppb will be acceptable. Additionally, as discussed in our meeting, the monitoring frequency of Well MW-1 may be reduced to annually since contaminant concentrations have consistently been NonDetect since monitoring of this well began in 1991.

The work shall be implemented within 45 days of the date of this letter (i.e., by July 08, 1999). A report documenting the work shall be submitted to this office within 45 days after completing field activities.

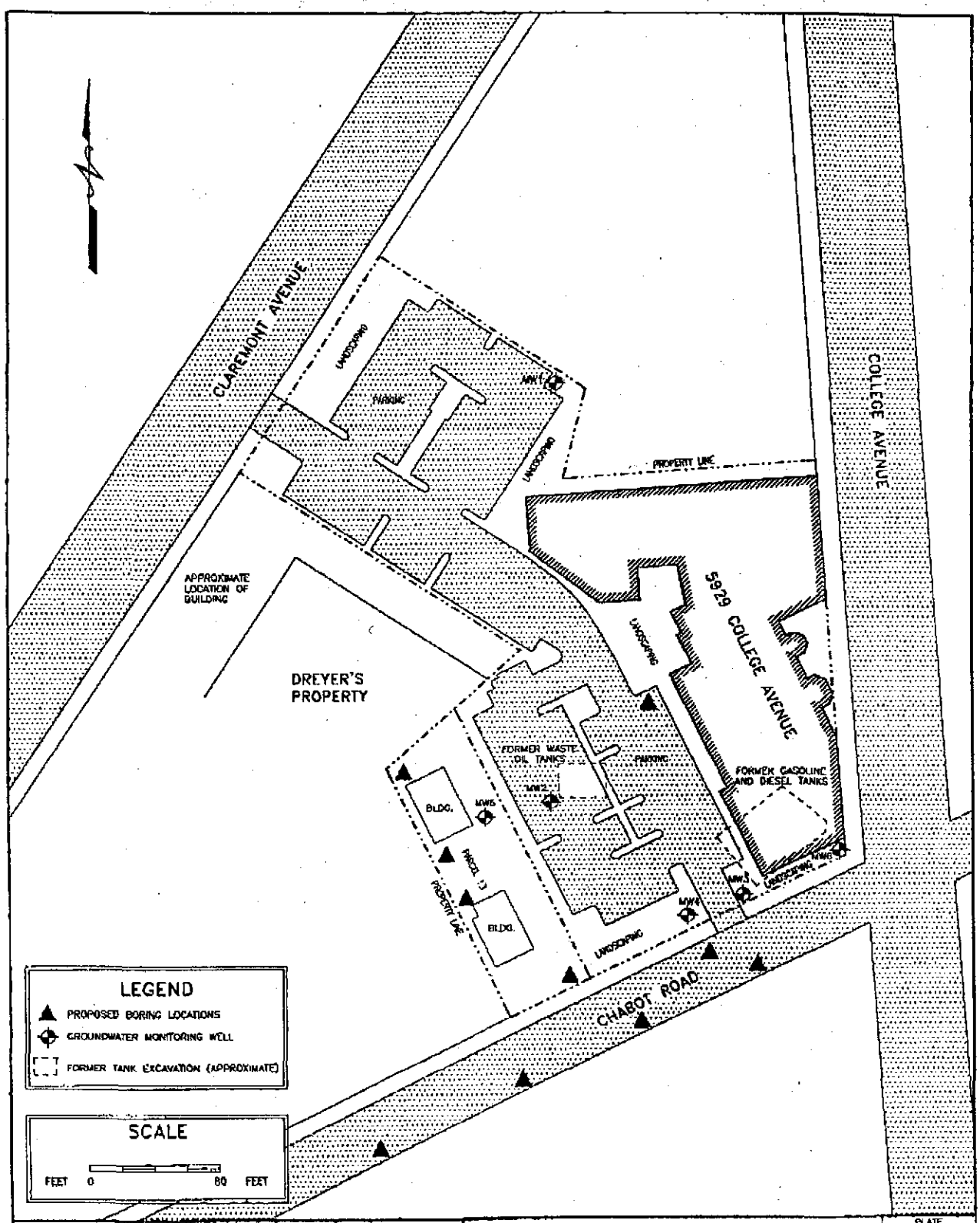
If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,

Juliet Shin
Hazardous Materials Specialist

ATTACHMENT

Cc: Grover Buhr, CET Environmental Services, Inc., 3033 Richmond Pkwy., Ste 300, Richmond, CA 94806



CET Environmental Services, Inc.

PROPOSED BORING LOCATIONS

DREYER'S GRAND ICE CREAM, INC.
5929 COLLEGE AVENUE
OAKLAND, CALIFORNIA

JOB NUMBER	DATE	DRAWING	BY	REVISED
3987	04/94	BORING2	EN	5/99

PLATE 1

TRANSMIT REPORT

1999,05-27 13:52
510 337 9335
ALAMEDA CO EHS HAZ-OPS

COM No.	REMOTE STATION	START TIME	DURATION	PAGES	RESULT	USER ID	REMARKS
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7499402046

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

Post-it™ brand fax transmittal memo 7671 | # of pages ▸ 3

To Gwen Brennan	From Juliet Shin
Co. Dreyer's	Co. Alameda City
Dept.	Phone # 510-567-6763
Fax # 510-450-4592	Fax # 510-337-9335

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

May 27, 1999

Ms. Gwen Brannan
Dreyers Grand Ice Cream
5929 College Avenue
Oakland, CA 94618

STID: 1287
Re: Workplan for groundwater investigations at the Dreyers Grand Ice Cream site, located at 5929 College Avenue, Oakland, CA

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Per our discussions, a minimum of two permanent monitoring wells will need to be installed after this initial phase of work. One well must be placed downgradient of Wells MW-3 and MW-4 across Chabot Road and adjacent to the residences. Another well must be placed downgradient of Well MW-5 to try and further delineate the plume. Per our agreement, after the first phase of work, a meeting with you, the County, and your consultant will be held to discuss the sample results and any additional work that may need to be conducted with the installation of the two monitoring wells in the second phase of investigations. After the second phase of work, a report shall be submitted to this office documenting all the work and analytical results from both phases of investigations.

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TRANSMIT REPORT

1999,05-27 13:55
510 337 9335
ALAMEDA CO EHS HAZ-OPS

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7499402045

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

Post-it™ brand fax transmittal memo 7671 | # of pages ▸ 3

To Grover Buhr	From Juliet Shin
Co. CET	Co. Alameda Cty
Dept.	Phone # 510-567-6763
Fax # 510-243-9501	Fax # 510-337-9335

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

May 27, 1999

Ms. Gwen Brannan
Dreyers Grand Ice Cream
5929 College Avenue
Oakland, CA 94618

STID: 1287
Re: Workplan for groundwater investigations at the Dreyers Grand Ice Cream site, located at 5929 College Avenue, Oakland, CA

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Per our discussions, a minimum of two permanent monitoring wells will need to be installed after this initial phase of work. One well must be placed downgradient of Wells MW-3 and MW-4 across Chabot Road and adjacent to the residences. Another well must be placed downgradient of Well MW-5 to try and further delineate the plume. Per our agreement, after the first phase of work, a meeting with you, the County, and your consultant will be held to discuss the sample results and any additional work that may need to be conducted with the installation of the two monitoring wells in the second phase of investigations. After the second phase of work, a report shall be submitted to this office documenting all the work and analytical results from both phases of investigations.

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CET Environmental Services, Inc.
3033 Richmond Parkway, Suite 300
Richmond, CA 94806
Tel: (510) 243-9500 / Fax: (510) 243-9501

Memorandum

TO: Ms. Juliet Shin *Via Telefax: 510-337-9335*
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

FROM: Grover Buhr

DATE: May 27, 1999

SUBJECT: Proposed Geoprobe Locations at Dreyer's facility, Oakland
CET Project No. 3987

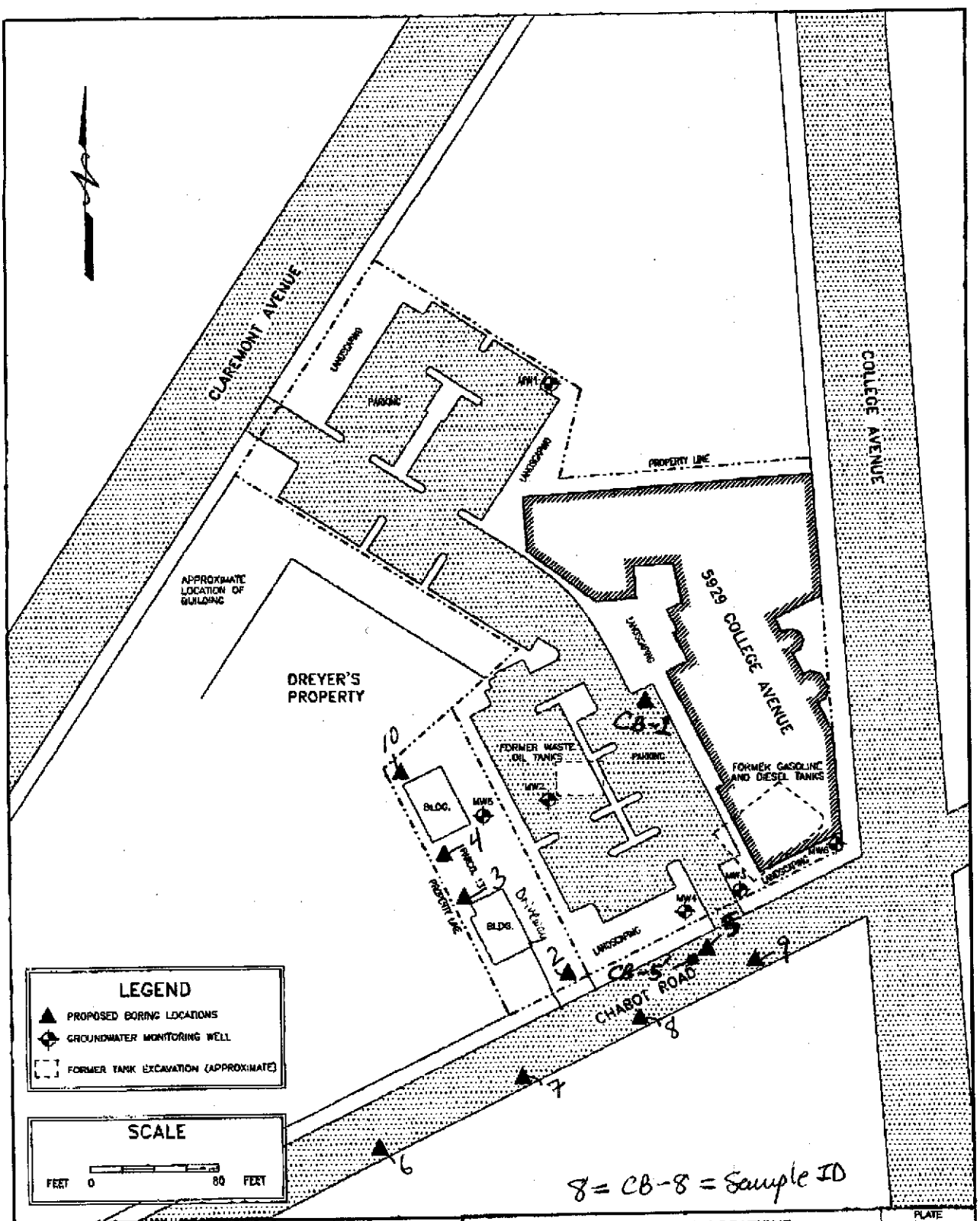
Dear Juliet,

Per our meeting and subsequent telephone conversation yesterday, attached is a plan showing the proposed Geoprobe locations for the first phase of the investigation at Dreyer's. As we agreed, we will collect and analyze groundwater samples from these locations.

Also, to confirm our sampling parameters for the quarterly monitoring of the wells on site, we will not sample MW1, will not analyze the sample from MW2 for fuel oxygenates using 8260, and will analyze the sample from MW5 for fuel oxygenates using 8260.

If this does not correctly summarize our discussions, please call. Otherwise, we look forward to receiving your letter approving the work plan.

Regards,



CET Environmental Services, Inc.

PROPOSED BORING LOCATIONS
DREYER'S GRAND ICE CREAM, INC.
5929 COLLEGE AVENUE
OAKLAND, CALIFORNIA

PLATE 1

JOB NUMBER	DATE	DRAWING	BY	REVISED
3987	04/94	BORING2	EN	5/99

MEETING
Dreyer's Grand Ice Cream
5929 College Ave., Oakland
May 26, 1999

Attending: Grover Buhr, CET Consultants
Gwen Brannan, Dreyers Ice Cream Contact
Juliet Shin, Alameda County Health Department

Discussed my response to CET's May 3, 1999 monitoring report and workplan, summarized in the attached notes. Initially we eliminated six of the proposed hydropunch locations, whose locations are identified on the attached site figure. We added three hydropunch locations across the street from the site along Chabot, as shown on the attached figure. These locations are to delineate the plume in this direction, and to determine whether the plume is travelling down Chabot Road along utility line trenches. It was determined that a minimum of two permanent monitoring wells will be installed after this initial round of borings. One must be placed downgradient from Wells MW-3 and MW-4, and on the other side of Chabot Road adjacent to the residences.

Before writing the letter to approve the workplan, I will wait to obtain a revised site plan showing revised hydropunch boring locations. Grover Buhr stated that he will fax me this figure tomorrow, Thursday (May 27, 1999).

It was decided that after this first Phase of hydropunch investigations, Gwen Brannan, CET, and myself will meet to discuss the locations of the permanent monitoring wells and to decide whether any further delineation will be required. Then Phase II will be conducted and a report documenting both the phases will be submitted at the end of Phase II.

I mentioned at the meeting that I would be meeting with eva chu, Alameda County, and John Accacian, operator of Scheaf's Auto Repair across the street.

Meeting with John Accacian and eva chu (11:00AM)

According to Mr. Accacian, some gasoline contamination was identified in the north parking lot, during demolition of the older Dreyer's building in the early 1990s. Initially, Dreyers had claimed that Scheaf's was responsible for the gasoline contamination, and than the issue was apparently dropped. William Scheaf, Mr. Accacian's father-in-law, who has passed away, told Dreyers at that time that gas pumps used to be located in the location of the former north parking lot (refer to attached site plan showing locations). William Scheaf owned Scheaf's since 1952, and worked on the block even before then. John Accacian also mentioned that an Auto Repair store used to be located adjacent to the former north parking lot on the Dreyer's property in the 1950s. I took a look at the sample results from the Scheaf property. All their samples contain high concentrations of MTBE. Due to the fact that the Dreyer's site never detected MTBE concentrations, any MTBE identified can be associated with the Scheaf's contamination. Therefore, Scheaf's contamination has a signature.

Review of Sanborn Maps

Went to the Oakland library and reviewed Sanborn Maps from 1932 and 1951 to try and confirm some of John Accacia's statements of former gas pumps and auto repair store (refer to attached sketches from these maps). The 1932 map indicated that there used to be a auto garage and show room where the Dreyer's building used to be.

*Contacted Gwen Brannan, Dreyers, and Grover Buhr, CET, to let them know the results of my conversation with John Accacian and my review of the Sanborn maps. I requested that they go ahead and include an initially proposed boring immediately behind the building (refer to attached site plan that was faxed to Grover Buhr) to determine whether any contamination could be coming from the formerly identified gasoline contamination in the former northern parking lot. I placed an "X" in the location where I want this new boring to be placed, and faxed to Grover Buhr. He will be faxing me a site plan tomorrow showing the locations of the revised hydropunch locations.

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)

January 19, 1999

Ms. Gwen Brannan
Dreyers Grand Ice Cream
5929 College Avenue
Oakland, CA 94618

STID 1287
Re: Investigations at Dreyers Grand Ice Cream site, located at 5929 College Avenue, Oakland, CA

Dear Ms. Brannan,

This office has reviewed the December 30, 1998 Groundwater Monitoring Report prepared by CET Environmental Services, Inc. (CET). Future groundwater monitoring events shall address the following requirements:

- Contrary to CET's proposal for "planned activities in 1999", the analyses for oxygenates will not be required for all the wells due to the NonDetect results from this sampling event. However, based on the elevated detection limits used in the Method 8260 analysis for samples collected from Wells MW-2 and MW-5, you will be required to analyze future samples from these two wells for oxygenates using lower detection limits. This office believes that the lab can lower the detection limit if given advance notice of the expected high contaminant concentrations.
- Although samples were analyzed for the lead scavengers Ethylene Dichloride and Ethylene Dibromide in this last monitoring event using Method 8260, this office is requesting, per our September 29, 1998 letter, that Method 8010 be utilized for the lead scavenger analysis in the next sampling event. If no lead scavengers are detected, no further monitoring for these constituents will be required.
- Sample results for all the diesel analyses identified hydrocarbons that did not match the lab's diesel standard. This office is requiring that you conduct fuel fingerprinting on future samples to identify this substance.
- Currently, levels of napthalene being identified in Wells MW-2 and MW-5 are exceeding the human-health protective threshold values listed in the Tier 1 table of American Society for Testing and Materials' Risk-Based Corrective Action Guidelines (E 1739-95). Therefore, the analysis for SVOCs must continue for Wells MW-2 and MW-5, and **must additionally be conducted for Wells MW-3 and MW-4.**
- As proposed by CET, analysis for TPHG, TPHD, BTEX, and TOG must continue for all the site's wells.
- Future groundwater samples may be collected without initially purging the wells, per the attached guidelines from the San Francisco Bay-Regional Water Quality Control Board (RWQCB). These guidelines are based on the results of studies conducted by the Western States Petroleum Association in 1996. The no-purging approach is beneficial to you since it eliminates the cost of disposing of the

purged groundwater. Please note, however, that when the site is ultimately ready for closure, the final confirmation sampling event will include both non-purged and purged samples.

- Future groundwater monitoring reports shall include a summary table of all historical sample results for each of the monitoring wells, in addition to the most recent sample results.

Additionally, per my meeting with your consultant, Grover Buhr, CET, on November 23, 1998, additional information must be submitted to this office to assist us in determining whether the adjacent utility lines are diverting or intercepting the contaminant plume. I requested that more detailed information be submitted on the exact elevations of the storm and sanitary sewer lines, as well as EBMUD's municipal water supply lines running alongside the site on Chabot Road. Information needs to be submitted on whether these utility lines lie in backfill material, what type of material it is, and the diameter, height, and depth of these utility lines. This information is required as part of the requirements to delineate the extent of a contaminant plume. To this date, this information has not been submitted. Please submit this information with the next groundwater sampling report.

During my meeting with Mr. Buhr, I stated that efforts will need to be made to further delineate the extent of the contaminant plume. A workplan addressing further delineation of the contaminant plume will need to be submitted following the submittal of the next groundwater monitoring report. I also mentioned that there is another site under investigation for petroleum contaminants immediately upgradient of your site at 5930 College Avenue. It is recommended that research be conducted on this site to assure that the contaminant plume from this site is not impacting your site.

Lastly, I have requested Mr. Buhr to submit a signed copy of the December 13, 1993 report, since this office only has a DRAFT copy. This report should be submitted before or with the next sampling report.

The next groundwater sampling event is due to be conducted at the site in February 1999, and a report documenting the results shall be submitted to this office by April 1999. As already requested, all future reports shall be accompanied by a signed letter from Dreyers Grand Ice Cream acknowledging review of the report.

If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,

Juliet Shin
Hazardous Materials Specialist

ATTACHMENT

Cc: Grover Buhr, CET Environmental Services, Inc., 3033 Richmond Pkwy., Ste 300, Richmond, CA 94806

May 19, 1999

RESPONSE TO CET'S **MAY 3, 1999**
MONITORING REPORT AND WORKPLAN

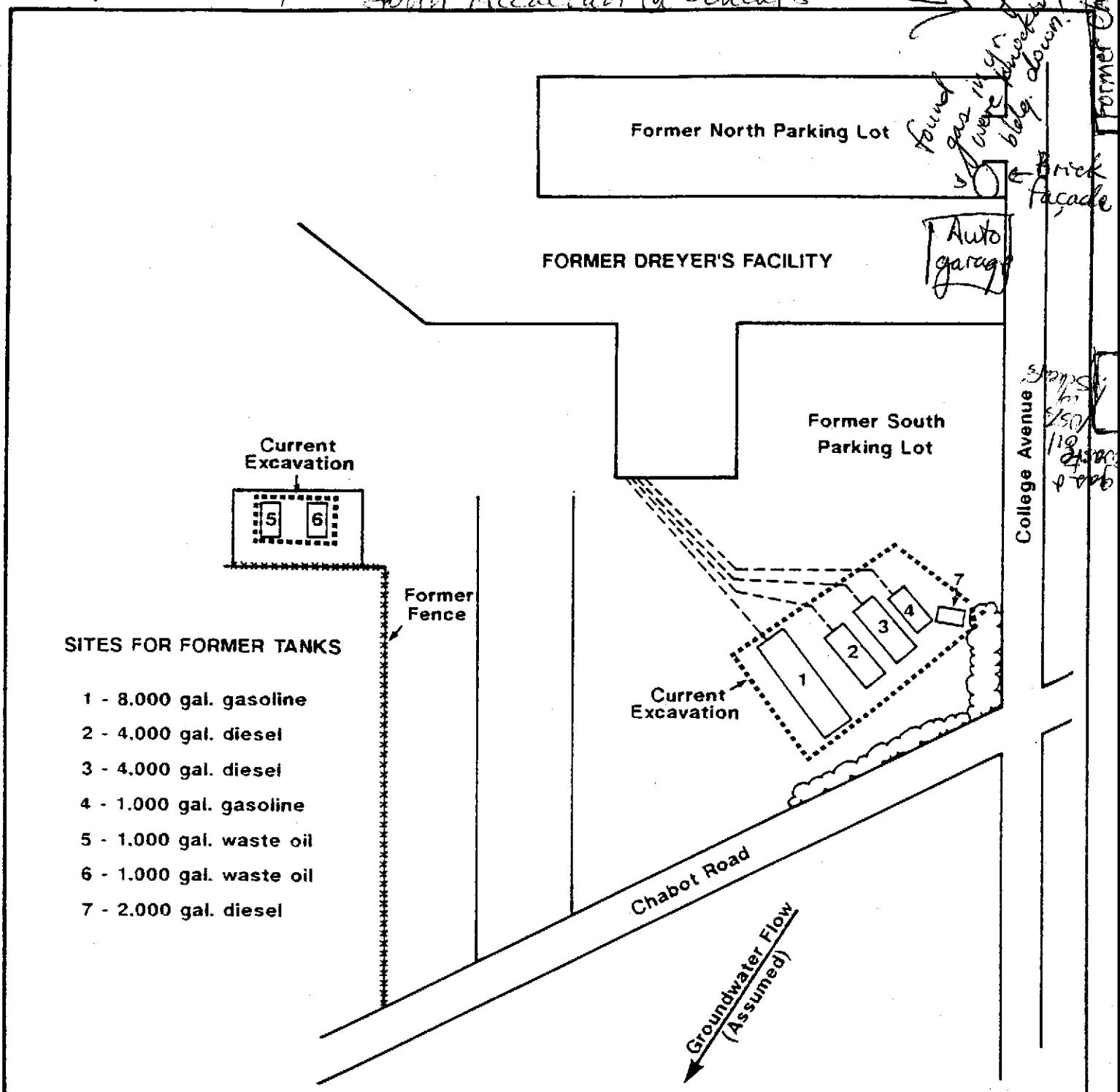
Monitoring Report:

- Per my January 19, 1999 letter to your office, I asked that an 8260 analysis be conducted on Wells MW-2 and MW-5 in this last sampling event. However, you accidentally conducted the 8260 analysis on Well MW-3 instead of Well MW-5. The next round of sampling will need to include the 8260 analysis for MW-5 using low detection limits that are no higher than 50ppb for MTBE, TBA, ETBE, and TAME; and no higher than 100ppb for DIPE. No 8260 analysis will be required for MW-2 since no oxygenates were detected from this well.
- CET concludes that "the petroleum hydrocarbons detected in the monitoring wells in general are not decreasing significantly. Because of this, it appears that there is a lack of mobility in the aquifer. Thus, it is possible that the contaminated groundwater plume has not moved off site." However, this does not appear to be a logical conclusion. Consistent or increasing concentrations of TPHg and BTEX generally indicate that the these contaminants are still leaching from the soil particles that they tend to adhere to, and that they are most likely migrating off site. Furthermore, decreasing concentrations generally indicate that there is some biodegradation going on, and that the plume has stabilized or is stabilizing. Ultimately, the extent of migration of a contaminant plume is heavily influenced by the groundwater gradient at the site, as well as the contaminant concentrations.
- Utility Lines: There are a number of utility lines running along Chabot Road that may be influencing the migration of the contaminant plume. Groundwater at the site varies roughly between 5 feet on the west end of the site to 16 feet on the northeast end of the site. According to CET's report, the 54" water main is located at 8-feet bgs, at roughly 89 feet west of the northwest curb of the intersection of Chabot Rd. and College Avenue. This area is right alongside the site. The culvert is located above the 54" water main. Depth of this culvert was not given in the report, however, if it is located above the 54" water main, than it could be influencing the groundwater flow directions as well. The sanitary sewer line, running along the center of Chabot Road, is located at 11'bgs. This line could also be influencing the plume flow directions. Although CET stated that EBMUD and PG&E had no info on the backfill material, the city should have info on the backfill material for the sewer line. Please check. Information on the slope of these lines were not given and may indicate which direction the plume would migrate along these utility lines. Please submit info on the slopes. Further delineation along these utility lines will be required as part of this next phase of investigations. Delineation may only involve placement of some borings or a well further down or west on Chabot Road, if the utility lines are sloping in this direction.
- The elevation contours that I got from the last quarterly groundwater monitoring report are slightly different than CET's and indicate that the groundwater is flowing equally to the west as it is to the southwest. Delineation with the placement of permanent monitoring wells will eventually need to be conducted in both these directions.

- The levels of benzene in Well MW-3 in this last monitoring event exceeded the Tier 1 table threshold values given in ASTM RBCA guidelines for a residence at 10-5 risk. Also, levels of benzene in Well MW-5 were exceeding the Tier 1 threshold values for residences up until this last quarterly monitoring event, when concentrations were anomalously low. Therefore, delineation in both these directions must be conducted. Residences are located downgradient in both these directions.
- May want to hold off on placing wells upgradient of the site to try and determine whether any contamination from 5930 College is contributing to the Dreyer's site contamination. Left a message for Eva Chu, caseworker for the site, to try and determine if and when investigations will be conducted by the RP for 5930 College to further delineate their plume.
- Although CET has proposed eight hydropunches to collect soil gas, soil, and groundwater samples, only groundwater samples are required in order to try and delineate the extent of the groundwater contaminant plume off site. Currently, soil and soil gas samples do not appear to be required. Soil gas samples would only be required at a later date if groundwater concentrations continued to exceed threshold values for indoor inhalation scenarios adjacent to or below buildings. At that time, this office would require a series of soil vapor sampling on different days, using appropriate and consistent equipment and sampling techniques, to account for variations in temperature and barometric pressures, etc.
- At least two permanent monitoring wells will definitely be required as part of this next phase of investigations. Hydropunch samples can only be used as a preliminary screening tools to determine where permanent wells should be placed. Hydropunches are notorious for producing inaccurate sample results. Case in point: Per my September 29, 1998 letter, the hydropunches PC1 through PC9 placed in and around the site in 1993 identified low to nondetect levels of TPHg and BTEX in groundwater, however, in contrast to these results, when permanent wells were placed in close proximity to these borings (specifically MW4 and MW6), very elevated concentrations were identified in these wells. One permanent well must be placed west/southwest of Well MW-5 and at least one additional permanent monitoring well must be placed off site to the south/southwest on the south side of Chabot Road and adjacent to the residences.
- Borings shall be placed on both sides of Chabot Road. Additionally, some borings should be placed further west along Chabot Road to account for any potential migration along utility line trenches, assuming these lines are sloped to the west. Borings upgradient of the site are currently unnecessary, as stated above, until it can be determined whether the site upgradient will be conducting their own investigations to delineate their plume.

- 5930 College will only be placing wells on their side of the street. They are claiming that Dreyers had tanks along College Ave. Is that True?
John Schreaff - Meet at 11AM. Schreaffs Garage.

05/26/99 According to my conversation w/ John Accacian @ Schaefs'



Note: Not to Scale

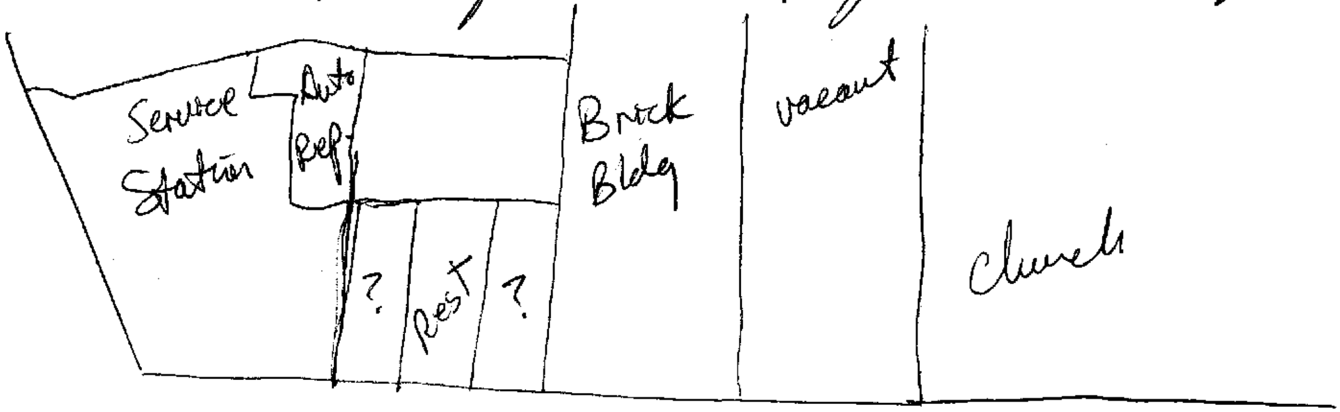
Facility and Former Tank Locations

ATT Aqua Terra Technologies Consulting Engineers & Scientists

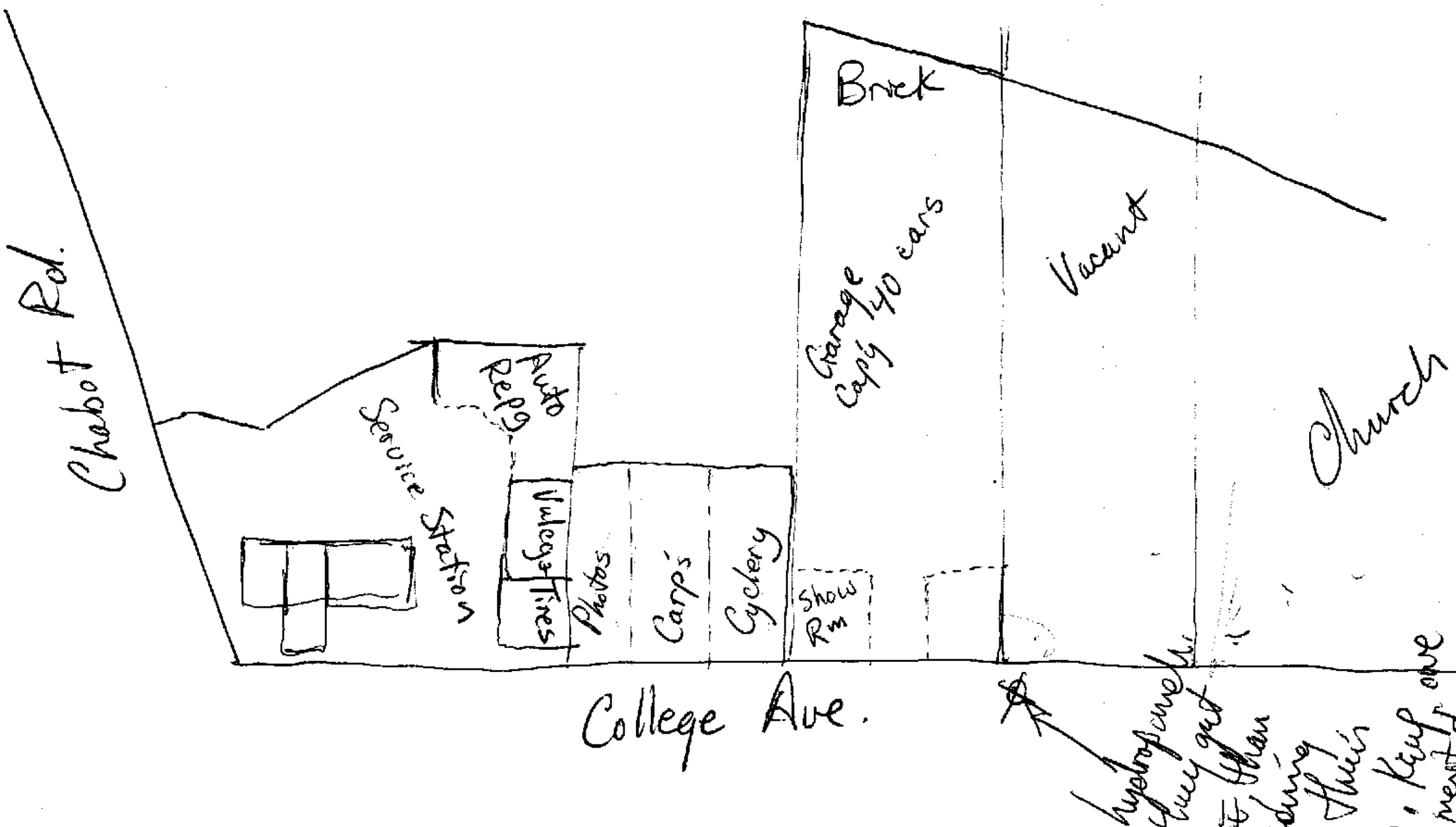
Dreyer's Grand Ice Cream, Inc.		PLATE
JOB NUMBER	DATE	2
9126	2/90	

- Any maps available after 1951.

pg. 278 1951 Sanborn Map
- Does not indicate any business assoc. w/ gas pumps assoc. w/ brick walls or the auto repair referenced by John at Schrafs'.



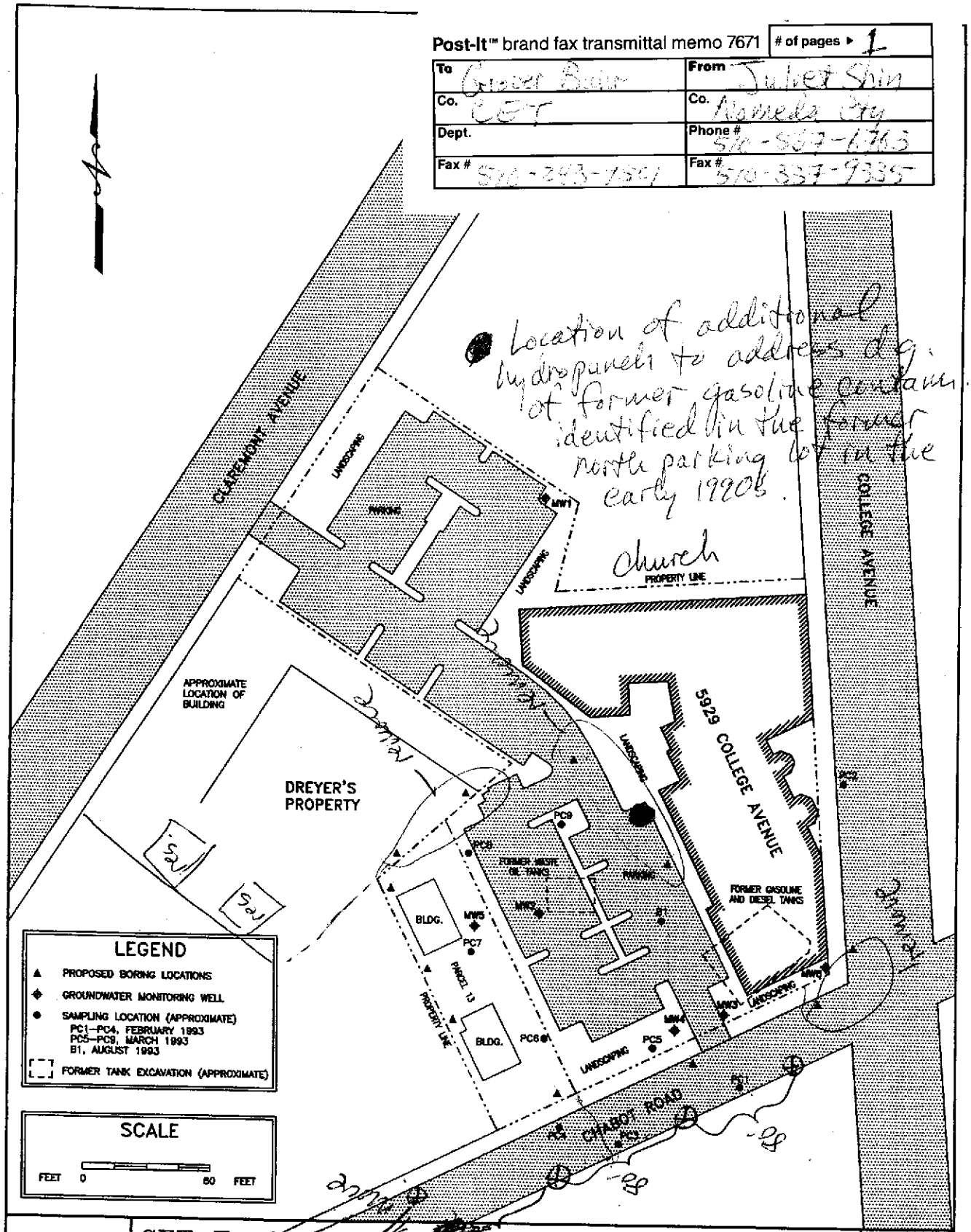
pg 278 1932



Nothing after

Post-It™ brand fax transmittal memo 7671 | # of pages ▸ 1

To Grover Burn	From Juliet Shin
Co. CET	Co. Alameda Cty
Dept.	Phone # 510-567-6763
Fax # 510-293-7501	Fax # 510-337-9335



CET Environmental Services, Inc.

PROPOSED BORING LOCATIONS
DREYER'S GRAND ICE CREAM, INC.
5929 COLLEGE AVENUE
OAKLAND, CALIFORNIA

JOB NUMBER	DATE	DRAWING	BY	REVISED
3987	04/94	BORING	J LONG	4/99

PLATE 5

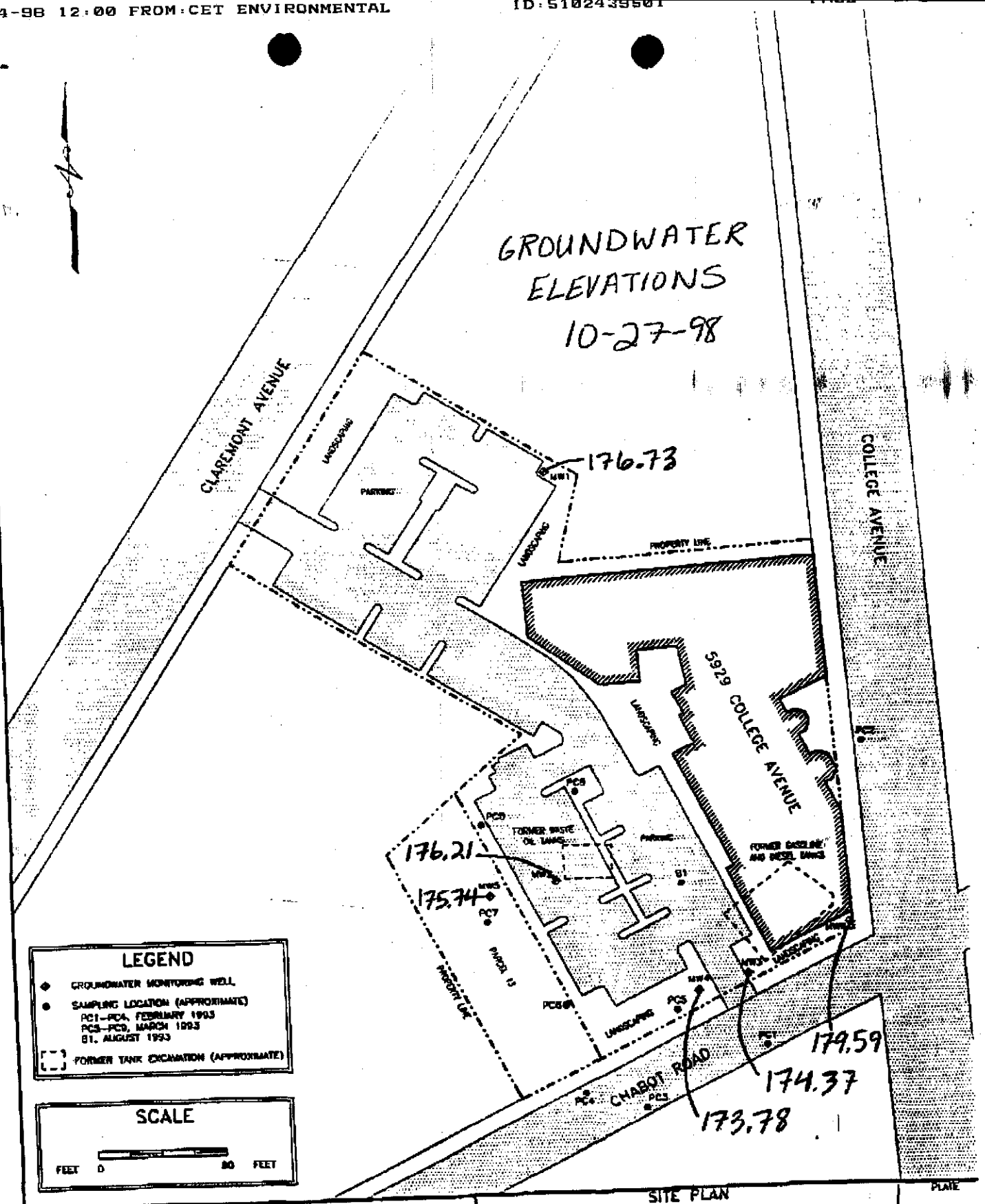
FACSIMILE TRANSMITTAL COVER SHEET

CET ENVIRONMENTAL SERVICES, INC.
3033 Richmond Parkway, Suite 300
Richmond, California 94806
(510) 243-9500 Fax: (510) 243-9501

DATE:	11/24/98
FAX No.:	510-337-9335
ATTN:	Juliet Shin
COMPANY:	Alameda County Health Agency
FROM:	Grover Kuhr
RE:	Drayers, Oakland
PAGES (Including cover):	2

COMMENTS:

Here are the recent water levels.



CET Environmental Services, Inc.

SITE PLAN

DREYER'S GRAND ICE CREAM, INC.
5929 COLLEGE AVENUE
OAKLAND, CALIFORNIA

JOB NUMBER	DATE	DRAWING	BY	REVISED
3534	08/95	PLAN	J LONG	08/08

PLATE 2

MEETING
Dreyer's Grand Ice Cream
5929 College Ave, STID 1287
November 23, 1998

Attending: Grover Buhr, CET
Juliet Shin, Alameda County

Discussed the groundwater analytical results for the most recent sampling event. Concentrations of benzene and napthalene were highest in the most downgradient wells, MW-2, MW-5, and MW-3, and it appears that the contaminant plume has not yet stabilized. Further plume delineation will be required after the next sampling event. The groundwater elevation information was not presented at the meeting, so there was no way of determining the current groundwater flow direction and gradient.

The next groundwater sampling event will include the analysis for MTBE from Wells MW-2 and MW-5 with a lower detection limit than was used in this last round of analysis.

Discussed my comments on CET's October 27, 1998 and November 16, 1998 submittals. I requested that more detailed evaluations be conducted of the exact elevations of the storm and sanitary sewer lines, as well as EBMUD's municipal water supply lines running alongside the site on Chabot Road. Dreyers needs to determine whether these utility lines have any backfill material and the extent of these materials as well as the diameter, height and depth of these utility lines, as part of the requirements of plume delineation (refer to the attached comments notes page).

Asked for signed copy of the December 13, 1993 report, and not the DRAFT which was already submitted.

According to Mr. Buhr, Dreyers has an LOC with the State Trust Fund.

COMMENTS IN RESPONSE TO CET'S
OCTOBER 27, 1998 AND NOVEMBER 16, 1998 REPORTS
Dreyer's Grand Ice Cream
5929 College Ave, STID 1287
November 19, 1998

- The sanitary sewer and the storm sewer running along Chabot road could possibly be influencing migration of the contaminant plume, however, elevations of these lines may be well below the fluctuating groundwater table, per the diagrams. Obtain info on the cross sections of these utility lines to determine their diameters, and the extent and material of the fill material, if any. Also get more info on EBMUD's water line and clarification on whether this line runs along chabot in pertinent areas and at what depths/elevations.
- CET states that the ND results of borings PC1 and PC3, emplaced in Chabot Road in March 1993, indicate that contaminants were not migrating out into Chabot Road. However, per the County's September 29, 1998 letter, these analytical results from the PC borings did not appear to be representative since the results showed low to ND concentrations in areas that were later found to contain elevated contaminant concentrations in groundwater. For example, a "grab" groundwater sample collected from PC5 was ND for TPHG and BTEX, while the groundwater results from Well MW-4, which was installed in close proximity to PC5 identified up to 2,800ppb TPHg and 460ppb benzene within the same year.
- The December 15, 1993 report submitted states "DRAFT" on every page. Were final copies of this report never submitted to the County? Ask for copy w/ signature
- The November 16, 1998 response to the County regarding excavation and disposal of the soils does not answer the question that was asked in the County's September 29, 1998 letter. The County's September 29, 1998 letter specifically asks about the fate of the excavated soils from the **gasoline/diesel UST pit**, and the extent of the excavation of the waste oil and gasoline/diesel UST pits.

Groundwater Monitoring Well Sampling Results

Dreyer's Grand Ice Cream
Oakland, California
October 27, 1998

Analysis	Result (ug/L)						Reporting Limit	Method
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6		
TPH-D[1]	70	11000	2200	480	9300	910	50	8015M
TPH-G[2]	ND[3]	21000	7100	600	22000	1200	varies[4]	8015M
Benzene	ND	370	1500	4.2	1200	8.4	varies	8015M
Toluene	ND	120	57	5.5	140	2.7	varies	8015M
Ethyl Benzene	ND	1900	46	6.4	2200	12	varies	8015M
Xylenes	ND	2600	47	8.2	2600	4.1	varies	8015M
Oil & Grease	ND	ND	ND	ND	ND	ND	1	5520 B&F
Fuel Oxygenates[5]	ND	ND	ND	ND	ND	ND	varies	8260M
1,2-Dichloroethane	ND	ND	ND	ND	ND	NA	varies	8260M
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	varies	8260M
SVOCs[6]								
2-Methylnaphthalene	NA[7]	100	NA	NA	87	NA	2	8270A
Naphthalene	NA	320	NA	NA	320	NA	10	8270A
Other SVOCs[8]	NA	ND	NA	NA	ND	NA	varies	8270A

Notes:

1 TPH-D = Total Petroleum Hydrocarbons quantified as Diesel
2 TPH-G = Total Petroleum Hydrocarbons quantified as Gasoline
3 ND = not detected
4 detection limit varies between samples, refer to laboratory reports
5 Fuel Oxygenates includes:
Methyl Tertiary Butyl Ether (MTBE)
Tertiar Butyl Alcohol (TBA)
Di-Isopropyl Ether (DIPE)
Ethyl Tertiary Butyl Ether (ETBE)
Tertiary Amyl Methyl Ether (TAME)
6 SVOCs = Semi-Volatile Organic Compounds
7 NA = not analyzed
8 Other SVOCs are listed in the laboratory reports

[redacted]

MENTAL
CTION

7 AM 10: 50

CET Environmental Services, Inc.

3033 Richmond Parkway, Suite 300
Richmond, California 94806
Telephone: (510) 243-9500
Facsimile: (510) 243-9501

November 16, 1998

Ms. Juliet Shin
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Subject: **Additional Information in Response to September 29, 1998 Letter Regarding Dreyer's Grand Ice Cream Site**
5929 College Avenue, Oakland, California
CET Project No. 3987

Dear Ms. Shin:

CET Environmental Services, Inc. (CET) is pleased to submit the following additional information in response to your letter dated September 29, 1998. As we indicated in our letter dated October 27, 1998, CET had asked Dreyer's Grand Ice Cream for information from their archives relating to some of the issues raised in your letter. The following information has been received from Dreyer's:

1. *A Workplan for Soil Remediation and Monitoring Well Installations for the Property at 5929 College Avenue, Oakland, California*, by Aqua Terra Technologies (ATT) (dated March 13, 1990), describes the overexcavation of the underground storage tank locations. ATT excavated and removed 80 to 100 cubic yards of soil from the former waste oil tank locations on February 6, 1990. Confirmation samples were collected, and the results are included in the attachments to the workplan. One of the confirmation samples collected from the pit showed 2,400 mg/Kg total oil and grease (TOG), and so excavation was continued on February 21, 1990. A confirmation sample in the same area of the tank pit after continued excavation showed 120 mg/Kg TOG. The total quantity of soil excavated from the former waste oil tank locations on these two dates was estimated to be 208 tons. No documentation regarding the depth of the excavation has as yet been found by CET.

2. On February 12, 1990, the on-site contractor removed 400 to 450 cubic yards of soil from the bottom of the gasoline tank excavation because the loose soil could not be properly compacted, as described in the workplan dated March 13, 1990. ATT was notified due to a slight gasoline odor. CET has found no documentation yet regarding the depth of the excavation or collection of confirmation samples. ATT collected soil samples, and analytical results indicated that the average total petroleum hydrocarbons as gasoline (TPH-G) concentration in the excavated soil was 170 mg/Kg. ATT began a soil aeration program, spreading the contaminated soil on visqueen and tilling it daily. At the date the workplan was issued, the aeration program was on-going. The workplan indicated that the aeration process would be continued until TPH-G concentrations were below 100 mg/Kg. A subsequent report indicates that the excavations were backfilled with clean imported material

(ATT *Groundwater Investigation, 5929 College Avenue, Oakland, California*, dated November 11, 1991). Documentation regarding the disposal of the soil excavated from the gasoline and diesel tank pits was not found in the materials available to CET. However, personal recollections indicate that it was disposed of off-site by a contractor (O. C. Jones) hired by Dreyer's.

3. You requested copies of quarterly groundwater monitoring reports for 1992. Attached is the Third Quarterly Report for 1992 by ATT, dated October 23, 1992. As indicated in our letter dated October 27, 1998, apparently no groundwater samples were collected or analyzed during 1992.

If you have any questions or comments, please do not hesitate to contact me at (510) 243-9500

Sincerely,
CET ENVIRONMENTAL SERVICES, INC.

Grover S. Buhr, R.G.
Senior Hydrogeologist

Attachment

cc: Gwen Brannan, Dreyer's Grand Ice Cream

Page 1

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yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy.
Suite 250
Alameda, CA 94502-6577
(510) 567-6700

II,III

Site ID # 1287 Site Name Dreyers Gravel Today's Date 2/27/98

Site Address 5929 College Ave

City Oakland Zip 94 Phone

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

Inspection Categories:
____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
____ II. Business Plans. Acute Hazardous Materials
____ III. Underground Tanks

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

II.A BUSINESS PLANS (Title 19)

___	1. Immediate Reporting	2703
___	2. Bus. Plan Stds.	25503(b)
___	3. RR Cars > 30 days	25503.7
___	4. Inventory Information	25504(a)
___	5. Inventory Complete	2730
___	6. Emergency Response	25504(b)
___	7. Training	25504(c)
___	8. Deficiency	25505(a)
___	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

___	10. Registration Form Filed	25533(a)
___	11. Form Complete	25533(b)
___	12. RMPP Contents	25534(c)
___	13. Implement Sch. Req'd? (Y/N)	___
___	14. OffSite Conseq. Assess.	25524(c)
___	15. Probable Risk Assessment	25534(d)
___	16. Persons Responsible	25534(g)
___	17. Certification	25534(f)
___	18. Exemption Request? (Y/N)	25536(b)
___	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

___	1. Permit Application	25284 (H&S)
___	2. Pipeline Leak Detection	25292 (H&S)
___	3. Records Maintenance	2712
___	4. Release Report	2651
___	5. Closure Plans	2670

Monitoring for Existing Tanks

___ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tstng
8) Annual Tank Testing
Daily Inventory
9) Other _____

sitting →

___	7. Precis Tank Test Date: _____	2643
___	8. Inventory Rec.	2644
___	9. Soil Testing.	2646
___	10. Ground Water.	2647

New Tanks

___	11. Monitor Plan	2632
___	12. Access. Secure	2634
___	13. Plans Submit Date: _____	2711
___	14. As Built Date: _____	2635

Rev 6/88

Comments:

Came out to site @ 8 AM to oversee the condition of wells prior to sampling. Depths to Bottom of Wells were measured. Well MW-1 was measured at 28.5', but MW-1 was initially installed at 30' bgs. MW-5 was measured at 29' bgs, but initially installed at 30' bgs. Well development for these wells must be conducted before next sampling event. ~~All wells have~~ Concrete around the top of Well MW-1 was cracked and had shifted due to the roots in the adjacent tree. However, the well itself does not appear to be damaged. May need to reseal area around cracked concrete. The wells will be sampled in the following order: MW-1; MW-6; MW-4; MW-3; MW-2; MW-5. Well MW-1 was purged and pH, Temp, Conductivity, and Turbidity were measured. 10 gallons were bailed from MW-1, which

II, III

Contact: Rich Brush, CET

Title: SR TECH

Signature:

Inspector: Juliet Shin

Signature: Juliet Shin

Page 1

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy.
Suite 250
Alameda, CA 94502-6577
(510) 567-6700

Hazardous Materials Inspection Form

II,III

Site ID # 1287 Site Name Dreyers Ground Today's Date 10/27/95

Site Address 5929 College Ave

City Oakland Zip 94 Phone

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

Inspection Categories:
___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
___ III. Underground Tanks

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

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___	8. Deficiency	25505(a)
___	9. Modification	25505(b)

II.B ACUTELY HAZ. MATLS

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___	16. Persons Responsible	25534(g)
___	17. Certification	25534(f)
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___	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

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One time soils
3) Daily Vadose
One time soils
Annual tank test
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One time soils
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Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
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Annual tank tsting
8) Annual Tank Testing
Daily Inventory
9) Other _____

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New Tanks

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Rev 6/88

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siting →

II, III

Contact: Rich Brush, CET

Title: SR Tech II

Signature:

Inspector: Juliet Shin

Signature: Juliet Shin

Pg 2

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy.
Suite 250
Alameda, CA 94502-6577
(510) 567-6700

II,III

Site ID #1287 Site Name Dreyers Grand Today's Date 10/29/98

Site Address 5929 College Ave.

City Oakland Zip 94 Phone

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

Inspection Categories:
____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
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Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
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Annual tank tsting
8) Annual Tank Testing
Daily Inventory
9) Other _____

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___	9. Soil Testing.	2646
___	10. Ground Water.	2647

New Tanks

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___	14. As Built Date: _____	2635

Rev 6/88

Comments:

is a 2-inch well. left site at 10:00AM & will return at 12:00 PM to oversee Sampling of MW-3 through MW-5. Well MW-6, according to Rich Brush, had a gas odor, and well MW-4 didn't have any odor. Well MW-3 g.w. emanated a strong gas odor. Turbidity of water from Well MW-3 was 43 NTU higher than wells MW-1, MW-6, & MW-4 which were ~11 NTU. 240 gallons of water purged from Well MW-3. (All purging done w/ bailer). Water from Well MW-3 had a grey tinge to it. Properties to the west of the site are residential, and property across Chabot Rd. is residential as well. Odor noted from well MW-2. ~~No Sheen noted~~ MW-2 is also a 4 inch well. Sheen was noted in Well MW-2. Six Well purged of 240 gallons, & g.w. samples collected.

II, III

Contact: Rich Brush, CET

Title: SR TECH

Signature:

Inspector: Juliet Shin

Signature: Juliet Shin

Pg 2

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yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy.
Suite 250
Alameda, CA 94502-6577
(510) 567-6700

II,III

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City Oakland Zip 94 Phone

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III. UNDERGROUND TANKS (Title 23)

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One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tstng
8) Annual Tank Testing
Daily Inventory
9) Other _____

___	7. Precis Tank Test Date: _____	2643
___	8. Inventory Rec.	2644
___	9. Soil Testing .	2646
___	10. Ground Water.	2647

New Tanks

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___	13. Plans Submit Date: _____	2711
___	14. As Built Date: _____	2635

Rev 6/88

Comments:

is a 2-inch well. Left site at 10 cOAM & will return at 12:00 PM to oversee Sampling of MW-3 through MW-5. Well MW-6, according to Rich Brush, had a gas odor, and well MW-4 didn't have any odor. Well MW-3 g.w. evaporated a strong gas odor. Turbidity of water from Well MW-3 was 43 NTU higher than Wells MW-1, MW-6, & MW-4 which were ~11 NTU. ~40 gallons of water purged from Well MW-3. (All purging done w/ bailer). Water from Well MW-3 had a grey tinge to it. Properties to the west of the site are residential, and property across Chabot Rd. is residential as well. Odor noted from Well MW-2. ~~No sheen noted~~ MW-2 is also a 4 inch well. Sheen was noted in Well MW-2. Each Well purged of ~40 gallons, & g.w. Samples collected.

II, III

Contact: Rich Brush, CET

Title: [illegible]

Signature: [illegible]

Inspector: Juliet Shin

Signature: Juliet Shin

Pg 3

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy.
Suite 250
Alameda, CA 94502-6577
(510) 567-6700

II,III

Site ID # 1287 Site Name Dreyers Grand Today's Date 10/27/98

Site Address 5929 College Ave

City Oakland Zip 94 Phone

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

Inspection Categories:

____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
____ II. Business Plans, Acute Hazardous Materials
____ III. Underground Tanks

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

II.A BUSINESS PLANS (Title 19)

___	1. Immediate Reporting	2703
___	2. Bus. Plan Stds.	25503(b)
___	3. RR Cars > 30 days	25503.7
___	4. Inventory Information	25504(a)
___	5. Inventory Complete	2730
___	6. Emergency Response	25504(b)
___	7. Training	25504(c)
___	8. Deficiency	25505(a)
___	9. Modification	25505(b)

II.B ACUTELY HAZ. MATLS

___	10. Registration Form Filed	25533(a)
___	11. Form Complete	25533(b)
___	12. RMPP Contents	25534(c)
___	13. Implement Sch. Req'd? (Y/N)	___
___	14. OffSite Conseq. Assess.	25524(c)
___	15. Probable Risk Assessment	25534(d)
___	16. Persons Responsible	25534(g)
___	17. Certification	25534(i)
___	18. Exemption Request? (Y/N)	25536(b)
___	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

___	1. Permit Application	25284 (H&S)
___	2. Pipeline Leak Detection	25292 (H&S)
___	3. Records Maintenance	2712
___	4. Release Report	2651
___	5. Closure Plans	2670

Monitoring for Existing Tanks

___ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tsting
8) Annual Tank Testing
Daily Inventory
9) Other _____

___	7. Precis Tank Test Date: _____	2643
___	8. Inventory Rec.	2644
___	9. Soil Testing .	2646
___	10. Ground Water.	2647

New Tanks

___	11.Monitor Plan	2632
___	12.Access. Secure	2634
___	13.Plans Submit Date: _____	2711
___	14. As Built Date: _____	2635

Rev 8/88

Comments:

Well MW-5 had strong odor. 13 gallons of water purged from well. G.W. Samples Collected.

II, III

Contact: Rich Brush, CET

Title: SR. TECH Inspector: Sukhvet Sahi

Signature: Signature: Sukhvet Sahi

P 3

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy.
Suite 250
Alameda, CA 94502-6577
(510) 567-6700

Hazardous Materials Inspection Form

II,III

Site ID # 1287 Site Name Dreyers Ground Today's Date 10/27/98

Site Address 5979 College Ave

City Oakland Zip 94 Phone

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

Inspection Categories:
___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
___ III. Underground Tanks

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

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___	2. Bus. Plan Stds.	25503(b)
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___	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

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___	12. RMPP Contents	25534(c)
___	13. Implement Sch. Req'd? (Y/N)	___
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___	17. Certification	25534(f)
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___ 6. Method
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2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tstng
8) Annual Tank Testing
Daily Inventory
9) Other _____

___	7. Precis Tank Test Date: _____	2643
___	8. Inventory Rec.	2644
___	9. Soil Testing .	2646
___	10. Ground Water.	2647

New Tanks

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___	12. Access. Secure	2634
___	13. Plans Submit Date: _____	2711
___	14. As Built Date: _____	2635

Rev 6/88

Comments:
Well MW-5 had Strong odor. 13 gallons of water purged from well. G.W. Samples Collected.

II, III

Contact: Rich Brush, CET

Title: _____

Signature: _____

Inspector: Juliet Shin

Signature: Juliet Shin

[redacted]

CET Environmental Services, Inc.

3033 Richmond Parkway, Suite 300
Richmond, California 94806
Telephone: (510) 243-9500
Facsimile: (510) 243-9501

October 22, 1998

<via telefax: 510-337-9335>
<no hard copy follows>

Ms. Juliet Shin
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Subject: **Groundwater Sampling**
5929 College Avenue, Oakland, California
CET Project No. 3987

Dear Ms. Shin:

Per our telephone discussion, CET Environmental Services, Inc. (CET) plans to sample the six wells at the above-referenced site on Tuesday, October 27, 1998. On that day, you will also receive a written response to the issues raised in your letter of September 29, 1998.

Rich Brush

On Tuesday, CET will mobilize at the site at 8 a.m., and will observe and evaluate the condition of the wells, measure the depth of the wells, measure depth to groundwater, purge the wells, and collect groundwater samples from each well. The samples will be sent to Chromalab and analyzed for the following parameters:

Analyte	*Test Method*	*Detection Limit*
TPH-D	3015/8015	50.0 ug/L
TPH-G	5030/8015	50.0 ug/L
BETX	5030/8020	0.5 ug/L
TOG	5520/413.1	1.0 mg/L
SVOC	8270	2.0 to 20.0 ug/L
Oxygenates (MTBE, TAME, DIPE, ETBA, TBA)	8260	5.0 ug/L
Lead Scavengers	8010	5.0 ug/L

We look forward to working with you on Tuesday. If you have any questions or comments, please do not hesitate to contact me at (510) 243-9500

Sincerely,
CET ENVIRONMENTAL SERVICES, INC.

Grover S. Buhr R.G.
Senior Hydrogeologist

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)

September 29, 1998

Ms. Gwen Brannan
Dreyers Grand Ice Cream
5929 College Ave.
Oakland, CA 94618

Re: Required investigations at the Dreyer's Grand Ice Cream site, located at 5929 College Avenue, Oakland, California
STID 1287

Dear Ms. Brannan,

In December 1989, six petroleum underground storage tanks (USTs) were removed from the above site: two 4,000-gallon diesel USTs; one 4,000-gallon gasoline UST; one 1,000-gallon gasoline UST, and two 1,000-gallon waste oil USTs. The gasoline and diesel USTs were contained within the same tank pit and the two waste oil USTs were contained together in a separate tank pit (refer to attached figures of tank pits). Eight soil samples were collected from the gasoline/diesel UST pit at 10-feet below ground surface (bgs) and analyzed for Total Petroleum Hydrocarbons as Gasoline (TPHG), Total Petroleum Hydrocarbons as Diesel (TPHD), and benzene, toluene, ethylbenzene, and total xylenes (BTEX). Analysis of these soil samples identified up to 320 parts per million (ppm) TPHG, 350ppm TPHD, 1.3ppm benzene, 5.1ppm ethylbenzene, 4.1ppm toluene, and 21ppm total xylenes.

Four soil samples were collected from the waste oil UST pit at 6-feet bgs and analyzed for Total Oil & Grease, four heavy metals, TPHD, BTEX, halogenated volatile compounds (VOCs), and Semi-Volatile Organics (SVOCs). Analysis of these soil samples identified up to 5,915ppm Oil & Grease, 1,800ppm TPHD, 25ppm Napthalene (along with lower concentrations of 8270 constituents), and low levels of 1,2-Dichloroethane (EDC) which was commonly used in the past as lead scavengers in petroleum.

According to ATT's workplan, dated March 13, 1990, overexcavation of both tank pits was conducted in February 1990.

In July 1991, ATT installed three monitoring wells at the site: MW-1 through MW-3. Soil samples were collected from each of the wells and analyzed for TPHG, TPHD, BTEX, and Oil and Grease. Analysis of these soil samples identified up to 490ppm TPHG, 110ppm TPHD, 0.3ppm benzene, 2.1ppm ethylbenzene, and 2.2ppm total xylenes. Groundwater samples collected from these wells were analyzed for the same above constituents, except for the addition of metals analyses. Very elevated levels of TPHG, TPHD, and BTEX were identified in Wells MW-2 and MW-3 (up to 91,000 parts per billion (ppb) TPHG, 1,900ppb TPHD, and 8,300ppb benzene).

Based on the elevated contaminant concentrations observed in the site's monitoring wells, nine exploratory hydropunch borings (PC1 through PC9) were emplaced around the site to investigate the lateral extent of contamination. Complications arose when attempts were made to collect groundwater samples from these boring locations and the bulk of the borings came up dry. Also, the analytical results of soil and groundwater samples collected from these borings did not appear to be representative since the results showed low to NonDetect concentrations in areas that were later found to contain elevated concentrations in groundwater (in Wells MW-4 through MW-6) (Refer to attached figure of boring and well locations).

In August 1993, Wells MW-4 through MW-6 were installed at the site to further delineate the groundwater contaminant plume. Groundwater sampling from these wells, along with Wells MW-1 through MW-3, continued at the site until June 27, 1995.

Per my meeting with your consultants Grover Buhr and Terry Carter, CET Environmental Services, Inc., on September 29, 1998, no additional assessment work has been conducted out at the site since the June 27, 1995 sampling event. Per Article 11, Division3, Chapter 16, Title 23 California Code of Regulations, Dreyer's Grand Ice Cream is required by the State to be proactive in implementing all phases of required investigations and corrective action at the site regardless of agency concurrence. Please be aware that any future suspension of required investigations and corrective action at the site may result in fines sanctioned in the Porter –Cologne Water Quality Control Act and Chapter 6.7, Division 20, California Health and Safety Code.

Per my review of the case files, and my meeting with Grover Buhr and Terry Carter, the following additional work must be initiated at the site:

- Quarterly groundwater monitoring from the six monitoring wells must be resumed at the site. Per the San Francisco Bay Region-Regional Water Quality Control Board (RWQCB) guidelines, monitoring of these wells must include analyses for

- the oxygenates Methyl Tertiary Butyl Ether (MTBE), Tertiary Amyl Methyl Ether (TAME), Diisopropyl Ether (DIPE), Ethyl Tertiary Butyl Ether (ETBE), and Tertiary Butyl Alcohol (TBA) and the lead scavengers Ethylene Dibromide (EDB) and Ethylene Dichloride (EDC), until the regulatory agencies determine that these analyses are no longer needed. Analysis of the oxygenates should be done using Method 8260, and analysis of the lead scavengers should utilize Method 8010. In addition to the above oxygenates and lead scavengers, analysis of all groundwater samples should include TPHG, TPHD, BTEX, and Oil & Grease. In the past, the Oil & Grease detection limits used were too high (at 5,000 ppb), and future laboratory detection limits for this constituent must be 50ppb, which is generally the standard. Additionally, Wells MW-2 and MW-5, located closest to the former waste oil tank area shall be analyzed for SVOCs (using Method 8270).
- According to our review of an Oakland Watershed Map, it appears that Claremont Creek used to flow along the portion of Chabot Road below College Avenue, and that this portion of the creek has now been converted into a culvert or a storm drain channel. Due to the shallow groundwater at the site, you are required to conduct research to determine whether any storm drains/culverts or utility trenches along College Avenue or Chabot Road may be intercepting the plume. This is required in order to properly delineate the extent of the plume, per Article 11, Title 23 California Code of Regulations.
- Although the lateral extent of the overexcavation in both the gasoline/diesel UST pit and the waste oil UST pit were given on Plate 3 of ATT's March 13, 1990 report, no information was provided on the depths of these excavations and/or whether any confirmatory soil samples were collected to determine whether all the contaminated soil was removed. Please supply the County with this information.
- Although ATT's March 13, 1990 report states that the soils excavated from the waste oil UST pit were hauled off site, there is no information in our files about the fate of the soils excavated from the gasoline/diesel UST pit. Please submit this information to the County.
- Please provide this office with a copy of the report documenting the installation of Wells MW-5 through MW-6, and emplacement of Boring B-1. Additionally, this office is missing Quarterly Groundwater Monitoring reports for 1992, assuming groundwater samples were analyzed that year, and quarterly reports between the 1st Qtr '94 Monitoring Report and the April 25, 1995 Summary Report. Please submit copies of these reports.

- Per my meeting with Mr. Buhr and Mr. Carter, at some point between 1995 and the present time, CET utilized Oxygen Releasing Compounds (ORCs) in the site's monitoring wells in an attempt to expedite cleanup through microbial degradation. This office has no information on this work, and is requesting that any and all information on this work be submitted to this office.
- A groundwater well survey must be conducted for the area within 0.5 miles of the site to locate all wells within this area.
- Based on the results of the next groundwater sample, this office may be requiring that additional delineation and/or containment measures for the contaminant plume be employed at the site. Additionally, a risk assessment may need to be conducted for potentially sensitive receptors on- and off-site.

Groundwater monitoring at the site must be resumed within 30 days of the date of this letter, and a report documenting the work must be submitted to this office within 30 days after completing field activities. Please be reminded to check the condition of the wells, since sampling of these wells have not been conducted since 1995, and to check the depths of these wells to determine whether these wells need to be redeveloped prior to sampling.

Additionally, a response to the remaining above requests must be submitted to this office within 30 days of the date of this letter (i.e., by October 27, 1998).

If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,

Juliet Shin
Hazardous Materials Specialist

ATTACHMENTS

Cc: Terry Carter, CET Environmental Services, Inc.
3033 Richmond Pkwy., Ste 300, Richmond, CA 94806

Grover Buhr, CEG Environmental Services, Inc.
3033 Richmond Pkwy, Ste 300, Richmond, CA 94806

Alameda County Environmental Health

1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
Telephone (510) 567-6700 FAX (510) 337-9335

FACSIMILE COVER SHEET

TO: Terry Carter and Conner Buhr, (510) 243-9501

FROM: Juliet Shin

DATE: 07/29/98

Total number of pages including cover sheet 8

-NOTES- Per our earlier conversation, here is a copy of letter to Gwen Brannan. Also coming to you in mail.

Thx.
Juliet

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

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

September 20, 1993
STID 1287

William Collett
Dreyer's Grand Ice Cream, Inc.
5929 College Ave.
Oakland CA 94618

Dear Mr. Collett,

We are in receipt of the "Workplan for Drilling/Monitoring Well Installations of Wells MW4, MW5, MW6, and Soil Boring B1," prepared by Aqua Terra Technologies, dated 9/13/93. This workplan is acceptable for implementation on the condition that soil samples from B1 will be collected for at least every 5 feet of depth.

Please note that reports and documents no longer need to be copied to the Regional Water Quality Control Board. Kindly submit a cover letter with your consultant's reports. If you have any questions, please contact me at 510-271-4530.

Sincerely,

Jennifer Eberle
Hazardous Materials Specialist

cc: Terry Carter, Aqua Terra Technologies, 2950 Buskirk Ave., Suite 120, Walnut Creek CA 94596
Ed Howell/file

je

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

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 8, 1993
STID 1287

William Collett
Dreyer's Grand Ice Cream, Inc.
5929 College Av.
Oakland CA 94618

Dear Mr. Collett,

We are in receipt of a letter from Terrance Carter of ATT, dated 6/29/93, requesting a time extension for submittal of the pending workplan. This extension is granted; the new deadline is 7/30/93.

If you have any questions, please contact me at 510-271-4530.

Sincerely,

Jennifer Eberle
Hazardous Materials Specialist

cc: Terrance Carter, Aqua Terra Technologies, 2950 Buskirk Av., Ste 120, Walnut Creek CA 94596
Ed Howell/File

je

ATT

June 29, 1993

Ms. Jennifer Eberle
Hazardous Matrerials Specialist
Alameda County Health Care Services Agency
80 Swan Way, Rm 200
Oakland, CA 94621

1287

Subject: **Request for Time Extension to Respond to ACHCS Letter Dated May 20, 1993 for Dreyer's Grand Ice Cream, Inc., 5929 College Avenue, Oakland, California, 94618 (ATT Project No. 919313)**

Dear Ms. Eberle:

Aqua Terra Technologies
Consulting Engineers
& Scientists

2950 Buskirk Avenue
Suite 120
Walnut Creek, CA
94596-2079
FAX 934-0418
510 934-4884

In response to our telephone conversation of today, we request a time extension from July 5, 1993 to July 30, 1993 for the submittal of a workplan for further site characterization.

The time extension is requested to develop a comprehensive proposal for the site and time for representatives of Dreyer's to evaluate technical budgetary requirements.

Please provide a response at your earliest opportunity.

Sincerely,

AQUA TERRA TECHNOLOGIES, INC.

Terrance E. Carter
Senior Environmental Engineer

TEC:pd

cc: William Collett, Dreyer's Grand Ice Cream, Inc.
Rich Hiett, RWQCB
[redacted]

919313/DK1/EXTEND.LET

LOP - RECORD CHANGE REQUEST FORM

printed: 06/21/93

Mark Out What Needs Changing and Hand to LOP Data Entry
(Name/Address changes go to Annual Programs Data Entry)

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
StID : 1287
SITE NAME: Dreyers Grand Ice Cream DATE REPORTED : 01/11/90
ADDRESS : 5929 College Ave. DATE CONFIRMED: 01/11/90
CITY/ZIP : Oakland 94618 MULTIPLE RPs : N

SITE STATUS

CASE TYPE: G CONTRACT STATUS: 4 EMERGENCY RESP:
RP SEARCH: S DATE COMPLETED: 02/27/92
PRELIMINARY ASMNT: U DATE UNDERWAY: 07/01/91 DATE COMPLETED:
REM INVESTIGATION: DATE UNDERWAY: DATE COMPLETED:
REMEDIAL ACTION: DATE UNDERWAY: DATE COMPLETED:
POST REMED ACT MON: DATE UNDERWAY: DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN: 02/27/92
LUFT FIELD MANUAL CONSID: 3
CASE CLOSED: DATE CASE CLOSED:
DATE EXCAVATION STARTED : 12/13/89 REMEDIAL ACTIONS TAKEN: ET

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: William Collett
COMPANY NAME: Dreyer's Grand Ice Cream, Inc.
ADDRESS: 5929 College Ave.
CITY/STATE: Oakland, C A 94618-1391

INSPECTOR VERIFICATION:

NAME _____ SIGNATURE _____ DATE _____

DATA ENTRY INPUT:

Name/Address Changes Only

ANNPGMS _____ LOP ____ DATE _____

Case Progress Changes

LOP _____ DATE _____

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

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

May 20, 1993
STID 1287

William Collett
Dreyer's Grand Ice Cream, Inc.
5929 College Av.
Oakland CA 94618

Dear Mr. Collett,

We have received the "First Quarter 1993, Groundwater Monitoring Report & Subsurface Investigation," prepared by your consultant, Aqua Terra Technologies (ATT), dated 4/30/93. This report documents the results of groundwater sampled from the existing 3 monitoring wells on 3/10/93. Although MW1 had non-detectable concentrations of contaminants, MW2 and MW3 had elevated levels of hydrocarbons. In order to delineate the extent of the groundwater plume, ATT recommends the installation of 2 or 3 additional wells. We agree with this recommendation, and request a workplan for additional wells **within 45 days or by July 5, 1993.**

All work should adhere to a) the Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, dated 8/10/90; and b) Article 11 of Title 23, California Code of Regulations. Reports and proposals must be submitted **under seal** of a California-Registered Geologist, -Certified Engineering Geologist, or -Registered Civil Engineer. All reports and documents pertaining to this investigation should also be sent to:

Rich Hiett
San Francisco Bay Region
Regional Water Quality Control Board
2101 Webster St., Ste 500
Oakland CA 94612

If you have any questions, please contact me at 510-271-4530.

Sincerely,

Jennifer Eberle
Hazardous Materials Specialist

cc: Terrance Carter, Aqua Terra Technologies, 2950 Buskirk Av., Ste 120, Walnut Creek CA 94596
Rich Hiett, RWQCB
Ed Howell/File
je

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

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

October 13, 1992
STID 1287

William Collett
Dreyer's Grand Ice Cream, Inc.
5929 College Av.
Oakland CA 94618

Dear Mr. Collett,

We have received the "Workplan for a Groundwater Remedial Investigation," prepared by your consultant, Aqua Terra Technologies (ATT), dated 6/18/92. This workplan proposed up to ten HydroPunch locations to define the lateral limits of the groundwater plume.

We subsequently received the "Quarterly Groundwater Table Measurements to Supplement 6/21/92 Workplan for a Groundwater Remedial Investigation," prepared by ATT, dated 9/8/92. This report contained groundwater contour maps for 5/4/92, 6/17/92, 7/15/92, and 8/31/92. Groundwater flow directions ranged from southeast to south-southwest during this time period. This report also included an augmented proposed scope of work for up to ten HydroPunch locations which take into account the variable groundwater flow direction. A groundwater pumping test is proposed for one well to determine aquifer characteristics. Lastly, a groundwater extraction and treatment system is proposed.

The augmented workplan is approved on the condition that purge water, drill cuttings, and discarded soil samples be disposed of properly after laboratory analysis. Please submit copies of receipts and/or manifests to this office for disposal. Please notify me 3 working days in advance of field activities. It is my understanding that drilling will commence in late October or early November, as per a telephone conversation between T. Carter and myself on 10/2/92. Mr. Carter did not believe that groundwater has been sampled in 1992. It is my understanding that quarterly sampling and monitoring will resume within 30 days after the HydroPunch ~~locations~~ have been ~~sampled.~~ installed

Sincerely,

Jennifer Eberle
Hazardous Materials Specialist

cc: Terrance Carter, Aqua Terra Technologies, 2950 Buskirk Av., Ste 120, Walnut Creek CA 94596
Rich Hiett, RWQCB
Ed Howell/File

je

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

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

October 2, 1992

STID 1287

William Collett
3675 Mt. Diablo Blvd., Suite 300
Lafayette CA 94549

RE: Dreyer's Grand Ice Cream, Inc.
5929 College Av.
Oakland CA 94618

Dear Mr. Collett,

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We subsequently received the "Quarterly Groundwater Table Measurements to Supplement 6/21/92 Workplan for a Groundwater Remedial Investigation," prepared by ATT, dated 9/8/92. This report contained groundwater contour maps for 5/4/92, 6/17/92, 7/15/92, and 8/31/92. Groundwater flow directions ranged from southeast to south-southwest during this time period. This report also included an augmented proposed scope of work for up to ten HydroPunch locations which take into account the variable groundwater flow direction. A groundwater pumping test is proposed for one well to determine aquifer characteristics. Lastly, a groundwater extraction and treatment system is proposed.

The augmented workplan is approved on the condition that purge water, drill cuttings, and discarded soil samples be disposed of properly after laboratory analysis. Please submit copies of receipts and/or manifests to this office for disposal. Please notify me 3 working days in advance of field activities. It is my understanding that drilling will commence in late October or early November, as per a telephone conversation between T. Carter and myself on 10/2/92. Mr. Carter did not believe that groundwater has been sampled in 1992. It is my understanding that quarterly sampling and monitoring will resume within 30 days after the HydroPunch locations have been sampled.

If you have any questions, feel free to contact me at 510-271-4530.

Sincerely,

Jennifer Eberle
Hazardous Materials Specialist

cc: Terrance Carter, Aqua Terra Technologies, 2950 Buskirk Av., Ste 120, Walnut Creek CA 94596
Rich Hiett, RWQCB
Ed Howell/File

je

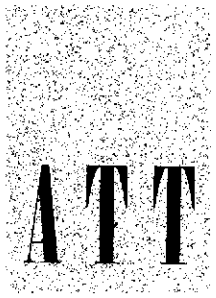
ALAMEDA COUNTY
HEALTH CARE SERVICES AGENCY

Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621

OAKLAND CA 946
PM
OCT
1992

92 OCT 16 AM 11:29

William Collett
3675 Mt. Diablo Blvd., Suite 300
Lafayette, CA 94549



April 23, 1992

Ms. Susan Hugo
Senior Hazardous Materials Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621

STID 1287

Subject: **Alameda County Health Care Services Agency March 27, 1992 Letter Concerning 5929 College Avenue, Oakland, CA 94618 (Project No. 929313)**

Dear Ms. Hugo:

Aqua Terra Technologies
Consulting Engineers
& Scientists

2950 Buskirk Avenue
Suite 120
Walnut Creek, CA
94596-2079
FAX 934-0418
510 934-4884

On behalf of Dreyer's Grand Ice Cream, Inc. (Dreyer's), Aqua Terra Technologies, Inc. (ATT) **requests a 30 day extension** (for a total of 60 days from the date of the ACHCSA letter to Dreyer's) to develop and submit a proposal for: 1) an interim remediation system and 2) to determine the extent of hydrocarbons in the downgradient shallow, unconfined groundwater.

The reasons for the extension request are that: 1) ATT needs to immediately determine: 1) the lateral extent of the hydrocarbon plume and 2) determine the shallow, unconfined aquifer characteristics. At the present time ATT believes that a pump and treat system may be the best remedial alternative; however, the extent of hydrocarbons in groundwater and an evaluation of the aquifer characteristics are required to properly design such a system. Additional time will be required to determine if one or more extraction wells are required, and to obtain permits from the City of Oakland and from the local sanitary sewer district for possible effluent discharge.

The information obtained will be incorporated into a workplan that will evaluate the best remediation technique to contain and lower groundwater hydrocarbon concentrations. At this time ATT has inadequate information concerning the extent of subsurface hydrocarbon concentrations and aquifer characteristics. Without such adequate information, an interim system might not effectively capture migrating hydrocarbons.

ATT will, therefore, develop a workplan that will outline: 1) proposed placement of HydroPunch™ and permanent groundwater monitoring and extraction wells. ATT believes that the use of a combination of

HydroPunch™ and groundwater monitoring wells will adequately define the limits of hydrocarbons in groundwater. 2) A pump test that will determine the aquifer hydraulic conductivity and transmissivity which will be used to define capture zones.

Proposals and workplans will conform to the *California State Water Resources Control Board Leaking Underground Fuel Tank (LUFT) Manual* (October 18, 1989 Revision) and the *Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites* (10 August 1990); proposals and workplans will be submitted to the ACHCSA and RWQCB for approval. All proposals, workplans, and reports will be supervised and signed by a California Registered Geologist (R.G.).

ATT will immediately begin monthly groundwater table measurements from the existing on site monitoring wells.

Dreyer's and ATT wish to expedite the groundwater investigation and remediation as quickly as possible. We believe that an accurate determination of the hydrocarbon plume and the characteristics of the shallow, unconfined aquifer are in the best interests of all parties.

If you have any questions concerning this letter please call.

Sincerely,

AQUA TERRA TECHNOLOGIES, INC.

Terrance E. Carter
Senior Environmental Engineer
Project Manager

William E. Motzer, Ph.D., R.G.
Senior Hydrogeologist

TEC/WEM:pd

cc: William Collett
Treasurer
Dreyer's Grand Ice Cream, Inc.

929313/DK1/SH042292.LTR

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

RAFAT A. SHAHID, Assistant Agency Director

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

March 27, 1992

STID #1287

Dreyer's Grand Ice Cream, Inc.
3675 Mt. Diablo Blvd., Suite 300
Lafayette CA 94549
Attn: William Collett

RE: 5929 College Ave.
Oakland CA 94618

Dear Mr. Collett,

This office is in receipt of your Groundwater Investigation Report for the above referenced site dated February 19, 1992 by Aqua Terra Technologies. Upon a review of the report by our staff, it was noted that groundwater contamination levels are extremely high. For example, monitor well #2 (MW2), exhibited concentrations of Total Petroleum Hydrocarbons as gasoline (TPH-g) up to 91,000 parts per billion (ppb), TPH as diesel up to 1,900 ppb, benzene up to 8,300 ppb, toluene up to 8,900 ppb, ethylbenzene up to 3,200 ppb, and xylenes up to 38,000 ppb. These levels exceed the state maximum contaminant levels of 1 ppb for benzene, and 1,750 ppb for xylenes.

At this time, the following steps need to be taken:

- Develop and submit a proposal within 30 days for an interim groundwater remediation system.
- Conduct twelve consecutive months of groundwater gradient determinations in each well, beginning April 1992, due to the approximately 90 degree change in groundwater gradient between 8/26/91 and 12/4/91.
- Develop and submit a proposal within 30 days for an appropriate array of downgradient monitoring wells, due to the proximity of contaminated groundwater in MW2 to the property line.

These proposals must adhere to the technical requirements outlined in the RWQCB Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks and the SWRCB LUFT manual. A report documenting the results from work performed is due to this office within 45 days of completion of field activities.

William Collett

RE: 5929 College Av.
Oakland CA 94618

All reports and proposals must be submitted under seal of a California-Registered Geologist, -Certified Engineering Geologist, or -Registered Civil Engineer. Please submit copies of all reports and proposals to Rich Hiett at the Regional Water Quality Control Board.

If you have any questions, please contact Jennifer Eberle, Hazardous Materials Specialist, at 510-271-4320.

Sincerely,

Susan Hugo

Susan Hugo
Senior Hazardous Materials Specialist

cc: Rich Hiett, RWQCB
Terrance Carter, Aqua Terra Technologies, 2950 Buskirk Av., Ste 120, Walnut Creek CA 94596
File (JE)

je

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

EMERGENCY ☐ YES ☒ NO

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

REPORT DATE M M D D Y Y

CASE #

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.

SIGNED DATE

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT | PHONE | SIGNATURE

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

COMPANY OR AGENCY NAME

ADDRESS STREET CITY STATE ZIP

RESPONSIBLE PARTY

NAME ☐ UNKNOWN | CONTACT PERSON | PHONE

ADDRESS STREET CITY STATE ZIP

SITE LOCATION

FACILITY NAME (IF APPLICABLE) | OPERATOR | PHONE

ADDRESS STREET CITY COUNTY ZIP

CROSS STREET

IMPLEMENTING AGENCIES

LOCAL AGENCY AGENCY NAME | CONTACT PERSON | PHONE

REGIONAL BOARD | PHONE

SUBSTANCES INVOLVED

(1) NAME | QUANTITY LOST (GALLONS) ☐ UNKNOWN

(2) ☐ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED M M D D Y Y

HOW DISCOVERED ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☒ TANK REMOVAL ☐ OTHER

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 ☒ CLOSE TANK & REMOVE ☐ REPAIR PIPING ☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☐ CHANGE PROCEDURE ☐ REPLACE TANK ☐ OTHER

SOURCE/CAUSE

SOURCE OF DISCHARGE
☐ TANK LEAK ☒ UNKNOWN ☐ PIPING LEAK ☐ OTHER

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

CASE TYPE

CHECK ONE ONLY
☒ UNDETERMINED ☐ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY
☐ NO ACTION TAKEN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION
☐ LEAK BEING CONFIRMED ☒ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS
☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
☐ CAP SITE (CD) ☐ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT)
☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS)
☐ VACUUM EXTRACT (VE) ☐ NO ACTION REQUIRED (NA) ☐ TREATMENT AT HOOKUP (HU) ☐ VENT SOIL (VS)
☒ OTHER (OT)

COMMENTS

HSC 05 (8/90)

INSTRUCTIONS

EMERGENCY
Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY
To avoid duplicate notification pursuant to Health and Safety code Section 25180.5, a government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY
Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

RESPONSIBLE PARTY
Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION
Enter information regarding the tank facility. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES
Enter names of the local agency and Regional Water Quality Control Board involved.

SUBSTANCES INVOLVED
Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT
Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE
Indicate source(s) of leak. Check box(es) indicating cause of leak.

CASE TYPE
Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

CURRENT STATUS
Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil. Descriptions of options follow:

No Action Taken - No action has been taken by responsible party beyond initial report of leak.
Leak Being Confirmed - Leak suspected at site, but has not been confirmed.
Preliminary Site Assessment Workplan Submitted - workplan/proposal requested of/submitted by responsible party to determine whether ground water has been, or will be, impacted as a result of the release.
Preliminary Site Assessment Underway - implementation of workplan.
Pollution Characterization - responsible party is in the process of fully defining the extent of contamination in soil and ground water and assessing impacts on surface and/or ground water.
Remediation Plan - remediation plan submitted evaluating long term remediation options. Proposal and implementation schedule for appropriate remediation options also submitted.
Cleanup Underway - implementation of remediation plan.
Post Cleanup Monitoring in Progress - periodic ground water or other monitoring at site, as necessary, to verify and/or evaluate effectiveness of remedial activities.
Case Closed - regional board and local agency in concurrence that no further work is necessary at the site.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION
Indicate which action have been used to cleanup or remediate the leak. Descriptions of options follow:

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.
Containment Barrier - install vertical dike to block horizontal movement of contaminant.
Excavate and Dispose - remove contaminated soil and dispose in approved site.
Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).
Remove Free Product - remove floating product from water table.
Pump and Treat Groundwater - generally employed to remove dissolved contaminants.
Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.
Replace Supply - provide alternative water supply to affected parties.
Treatment at Hookup - install water treatment devices at each dwelling or other place of use.
Vacuum Extract - use pumps or blowers to draw air through soil.
Vent Soil - bore holes in soil to allow volatilization of contaminants.
No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION
If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies intact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Clean Water Programs, Underground Storage Tank Program, P.O. Box 944212, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or their designee to receive Proposition 65 notifications.
5. Owner/responsible party.

* need to file UST

Property owner: Dreyer's Grand Ice Cream, INC. 3675 Mount Diablo Blvd Suite 300 Lafayette, CA 94549

contact person: William Collett

DATE: 2/25/92

TO : **Local Oversight Program**

FROM: Juliet Shin

SUBJ: **Transfer of Elligible Oversight Case**

Site name: DREYER'S GRAND

Address: 5929 COLLEGE AVENUE City OAKLAND Zip 94618

Closure plan attached? (Y) N DepRef remaining $ 729.00

DepRef Project # 763 STID #(if any) 1287

Number of Tanks: 6 removed? Y N Date of removal 12/13/89; 12/14/89

Leak Report filed? Y (N) Date of Discovery ~~_____~~ 1/11/90 lab result

Samples received? (Y) N Contamination: Soil & G.W.

Petroleum (Y) N Types: Avgas Jet (leaded unleaded Diesel) waste oil
fuel oil waste oil kerosene solvents

Monitoring wells on site 3 Monitoring schedule? Y (N)

Briefly describe the following:

Preliminary Assessment Groundwater Investigation Report (2/19/92)

Remedial Action NA

Post Remedial Action Monitoring NA

Enforcement Action NA

Comments: During the tank excavations, soil samples were taken from each end of each tank. These samples were analyzed for TOG, BTEX, Chlorinated Hydrocarbons, PCB, PCP, PNA, cresote, Cadmium, Chromium, lead, and zinc. The following contaminants were identified: Extractable fuels as diesel (350 ppm); Benzene (1.3 ppm); oil and grease (5,915 ppm); 1,2-Dichloroethane (680 ppb); Naphthalene (25,600 ppb); 2-Methylnaphthalene (22,300 ppb); 2-Nitroaniline (1,500 ppb); Dibenzofuran (326 ppb); Fluorene (1,260 ppb); Phenanthrene (1,940 ppb).

* The Work Plan for the installation of three monitoring wells was approved by Dennis in May 1990, w/ the pressure of a Community Group that wished to see Dreyer's. Dennis quickly received & approved the plan, assuming that the installation would occur immediately. However, Dreyer's claimed that they never specified when they would carry out the work plan. Obviously Dreyers submitted the work plan just to get the Community Group off their back.
The monitoring wells were finally installed on July 16, 17, & 18, 1991. Groundwater samples collected from MW 2 contained 38,000 ppb TPH as gasoline, 1,900 ppb TPH as diesel, and 8,300 ppb Benzene.

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

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

8 June 1990

William Collett
Dryer's Grand Ice Cream Incorporated
3675 Mount Diablo Boulevard
Suite 300
Lafayette, CA 94549

Subject: Work Plan for the Preliminary Assessment of Soil and Ground Water Contamination Associated with the Removal of Underground Storage Tanks at 5929 College Avenue, Oakland.

Dear Mr. Collett:

Thank you for the Work Plan prepared by Aqua Terra Technologies in regards to the site listed above. This Plan has been reviewed and approval is granted for it's implementation. The locations proposed for the installation of three ground water monitoring wells are acceptable to this agency.

In addition to the steps proposed in this Work Plan, we request that further actions be taken with regards to the investigation of environmental contamination on this site. Specifically, a number of soil borings should be installed in the vicinity of College Avenue and Chabot Street.

As you may recall, a pocket of gasoline contaminated soil was encountered by a construction crew installing a sewer line within College Avenue. The close proximity of this pocket to your former tank pit leads to the likelihood that Dryer's Grand Ice Cream may be the source of this material. Soil borings placed in the sidewalk along College Avenue and Chabot Street would serve to clarify this issue. We therefore request that this action be included in your proposed work.

There is no need to submit a written amendment to your Work Plan in this regards. This letter constitutes authorization for the installation of these borings.

Please ensure that a copy of all soil boring logs and analytical data is submitted to this office for review and inclusion into our records. If you have any questions concerning this matter, please contact me at (415) 271-4320.

Sincerely,

Dennis J. Byrne

Dennis J. Byrne
Hazardous Materials Specialist

cc: Larry Blazer, Alameda County District Attorney's Office, Consumer and Environmental Protection Division.
Lester Feldman, SFBRWQCB
Doug Krause, DOHS
Rafat Shahid, Assistant Director, Alameda County Department of Environmental Health.
Terrance Carter, Aqua Terra Technologies

Alameda County
District Attorney's Office
John J. Meehan, District Attorney

90 APR 26 AM 10: 35

April 25, 1990

Brooke Levin
Chairperson
Rockridge Community Planning Council
368 Clifton Street
Oakland, CA 94618

Re: Underground Storage Tank Removal Project, 5928 College Avenue, Oakland.

Dear Ms. Levin:

This office has received a copy of your letter regarding the above environmental incident. We have discussed all of your concerns with the staff of the Alameda County Health Care Services Agency Hazardous Materials Division, and are satisfied that the health and environment of the People of the State have and will be fully protected by the oversight and actions taken thus far by that Division.

Mr. Dennis Byrne, the scientist assigned to this case, is an experienced environmental specialist of the highest professional qualifications whom this office has worked closely with on a number of environmental prosecutions in the past. We have discussed your concerns with Mr. Byrne and I am happy to inform you that he has the full confidence of our staff. Mr. Byrne has been instructed to refer any violations of the law to this office should they occur, and is prepared to use the prosecutorial power of his and our office to insure full compliance at this site.

His letter of April 3, 1990, should address many of your concerns, however if you have any further questions please contact Mr. Byrne or Deputy District Attorney Lawrence Blazer at this office. Mr. Blazer has been assigned to monitor this matter.

Very truly yours,

JOHN J. MEEHAN
DISTRICT ATTORNEY

By: _____
Gilbert A. Jensen
Senior Deputy District Attorney

cc: Marge Gibson Haskell, Oakland City Council
Sam Hertzberg, Alameda County Dept. of Public Works
Lester Feldman, Regional Water Quality Control Board
Dennis Byrne, Alameda County HazMat Division
William Collett, Dreyer's Grand Ice Cream

JJM:GAJ:shb

Alameda County
District Attorney's Office
[illegible] Assistant District Attorney

RECEIVED
APR 05 REC'D
Director of
Environmental Health

FACSIMILE TRANSMITTAL

568 - 3706
Fax Phone Number

To: [illegible] DB

Alameda County Environmental Health

From: [illegible]

(415) 670-5112
Fax Phone Number

Date: 4/5/90

Pages: Letter + Enclosure

Telephone Number: [illegible]

Number of Pages Including This One:

Special Instructions or Comments:

RCPC

ROCKRIDGE COMMUNITY PLANNING COUNCIL ▪ 5856 COLLEGE AVENUE #130 ▪ OAKLAND, CALIFORNIA 94618

April 2, 1990

Mr. Dennis J. Byrne
Hazardous Materials Specialist
Alameda County Department
of Environmental Health
80 Swan Way, Suite 200
Oakland, CA 94621

Re: Underground Storage Tank Removal
Dreyer's Grand Ice Cream Project site
5929 College Avenue
Oakland, California

Dear Mr. Byrne:

This letter is to request action of the Alameda County Environmental Health Department (EHD) regarding the possibility of imminent endangerment to public or environmental health. This possible endangerment is the result of petroleum hydrocarbons which appear to have been released on property located at 5929 College Avenue in Oakland, the location of the Dreyer's Grand Ice Cream headquarters building now under construction (referred to in this letter as "the site").

SUMMARY

The property owner has failed to provide adequate documentation of the adequacy of remedial actions required by the EHD in regard to petroleum contaminated soils.

We recommend that a stop work order be issued until such time as the EHD and all other appropriate regulatory agencies can be satisfied by the property owner that no imminent endangerment to the public or environmental health is being sustained or aggravated by the site improvements.

In addition, because the property owner has failed to describe the possible presence in groundwater of petroleum hydrocarbons containing chemicals known to the State of California to cause cancer and/or reproductive toxicity, we ask that a stop work order be made until such time as the EHD, all other appropriate regulatory agencies, and representatives of the community are satisfied by the property owner that no significant risk from such circumstances exists.

BACKGROUND INFORMATION

On December 13 and 14, 1989, seven underground tanks were removed from the site under an EHD permit (Project No. U552963) dated November 14, 1989. According to the report submitted to EHD following removal of the tanks and analysis of a limited number of soil samples collected, elevated concentrations of petroleum hydrocarbons were present underneath both excavated tank clusters. No testing was performed regarding the product delivery lines shown on the map with the permit application. No operational history regarding the tanks was provided. It is not clear how long the tanks had been in service prior to removal. In addition, given the condition of the tanks described in the inspection reports prepared by EHD, it is possible that any or all of the fuel tanks removed may have contained either

gasoline or diesel fuel at some time in the past.

In EHD's letter to the property owner dated January 22, 1990, follow-up actions were required. Specifically, the installation of a minimum of three shallow groundwater monitoring wells was required, and remediation in the form of additional excavation was required in the former waste oil tank pit. The additional waste oil tank pit excavation was to extend to the point where total petroleum hydrocarbon concentrations in soil samples to be collected were less than 1,000 mg/kg (parts per million). EHD approved backfilling of the fuel tank pit in the January 22nd letter and stated that upon receipt of evidence that the remediation required for the waste oil tank pit was satisfactorily completed, permission to backfill the excavation would be forthcoming. As of March 23, 1990, the EHD file did not contain the report documenting the satisfactory remediation of the waste oil tank pit. As of March 23rd, no groundwater quality monitoring report was present in the EHD file regarding the site. Further, based on the well log inventory and address file for Township 1 south, Range 4 west, Section 13 received from the Alameda County Public Works Agency (PWA) on March 23rd, no record exists of County permits for groundwater monitoring wells at the location of the site.

As additional information, EHD's letter of March 12, 1990 to the property owner refers to independent information which suggests that an unauthorized release of gasoline occurred from the fuel tank pit which was backfilled following the January letter from EHD. Elevated concentrations of gasoline were detected in a composite soil sample collected from unrelated underground construction at the corner of College Avenue and Chabot Road (the southeast corner of the site, immediately adjacent to the former fuel tank locations). Gasoline is a mixture containing benzene, a carcinogenic chemical listed under California Proposition 65. Under Proposition 65, community right-to-know and civil suit provisions would apply if such a discharge occurred.

On the basis of our knowledge of the area and the PWA records, numerous shallow wells exist on private property downhill of the site. In addition, the water table is quite shallow, often intercepting the land surface at locations very near the site and flowing toward San Francisco Bay in storm drainage channels. Old maps of the area indicate that Chabot Road near the site was once a stream channel, with flow from southeast to southwest along the southern boundary of the site. It is highly unlikely that aquatic life in the Bay would benefit from petroleum hydrocarbons which might have been released at the site.

CONCLUSIONS AND RECOMMENDATIONS

On the basis of the information summarized above, we request that the EHD and all appropriate regulatory agencies cause the property owner to stop work at the site and satisfy the law and the community that no endangerment to the public or environmental health will result from the sustained presence of chemicals which may have been released at the two tank pits.

Additional remediation required in the January 22, 1990 letter from EHD, has not been implemented. We want to know when remediation will begin and what form it will take. Also, we request notification of the results of any further testing.

Further evidence has come to light suggesting that the fuel tank pit was the scene of a gasoline release. No requirement that this possible release be characterized has been forthcoming. Numerous potential exposure pathways exist mere hundreds of

feet from the site. The magnitude of this potential problem should be evaluated quickly to mitigate any possible adverse effects.

Sincerely,

Brooke A. Levin, Chair
for the Board of Directors of the
ROCKRIDGE COMMUNITY PLANNING COUNCIL

encl: Alameda County letter of January 22, 1990
and March 12, 1990
Hazardous materials inspection forms and map

c: Lester Feldman
San Francisco Bay Regional Water Quality Control Board
Cal Jansen
Alameda County District Attorney's Office
Sam Hertzberg
Alameda County Public Works Department, Water Resources
Douglas Krause
California Department of Health Services
Marge Gibson Haskell
Oakland City Council

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

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

3 April 1990

Brooke Levin
368 Clifton Street
Oakland, CA 94618

Subject: Underground Storage Tank Removal Project being conducted at 5929 College Avenue, Oakland.

Dear Ms. Levin:

Within the City of Oakland, the Alameda County Department of Environmental Health, Hazardous Materials Division issues operating permits for underground storage tanks containing hazardous materials and oversees the removal of such containers and any subsequent remediation of soil and/or ground water contamination resulting from the presence of such tanks. We execute these responsibilities in accordance with Title 23 of the California Code of Regulations and Guidelines established by the San Francisco Bay Regional Water Quality Control Board.

On the 13th of December, 1989, Four underground storage tanks were removed from the former Dryer's Grand Ice Cream facility at the location listed above. These tanks had been used for the storage of gasoline and diesel fuel. Two additional underground storage tanks were removed from this same site on the 14th of December, 1989. These two tanks had been used for the storage for waste oil.

During these operations, I was present on the job site to ensure that all actions followed conformed to the tank closure permit which had been issued by this office and to direct the collection of an appropriate number of soil samples from each excavation pit as stipulated in the Guidelines of the Regional Board. Immediately prior to the collection of the soil samples, I conferred with the on-site representative of the analytical laboratory to verify that the proper environmental contaminants would be analyzed for.

The results of these analysis indicated that an unauthorized release had occurred from tanks located within both of the excavation pits. Within the gasoline and diesel tank pit Total Petroleum Hydrocarbon Gasoline contamination of 320 parts per million and Total Petroleum Hydrocarbon Diesel contamination of 350 parts per million were measured. Within the waste oil tank pit, Total Oil and Grease contamination as high as 5915 parts per million and Total Petroleum Hydrocarbon Diesel contamination of 1800 parts per million were measured.

Guidelines established by the San Francisco Bay Regional Water Quality Control Board identify follow-up actions which must be initiated when soil contamination levels exceeding specified values are encountered. In regards to the former Dryer's Grand Ice Cream facility, further soil excavation was required within the waste oil tank pit to ensure that no soil oil and grease or hydrocarbon contamination exceeding 1,000 parts per million remained. In addition, both of the tank pits were sufficiently contaminated to require that a ground water quality investigation be initiated. This process entails the installation of ground water monitoring wells to define the gradient of ground water flow direction and to gauge the extent of any soil or ground water contamination impacts likely to have resulted from the presence of the underground tanks. These requirements were communicated by this office to William Collett of Dryer's Grand Ice Cream in a letter dated 22 January 1990.

In late February I was contacted by an environmental consultant for Dryer's Grand Ice Cream who verbally assured me that the excavation of the waste oil tank pit had been accomplished and that verification samples indicated that the highest soil contamination remaining was well below the 1,000 parts per million action level. On the basis of this information I verbally granted that further excavation could cease and that the hole could be backfilled with clean soil. I cautioned that this decision could be reversed and further excavation would be required regardless of what construction activities were on-going adjacent to this area if the analytical data, when submitted to me for review, did not confirm the information communicated to me verbally.

There was no misunderstanding between the environmental consultant and myself on this point. I was assured that this data would be submitted to me with the formal proposal as to the actions which Dryer's Grand Ice Cream intended to pursue in regards to addressing the ground water investigation requirements outlined in my letter of 22 January 1990.

This proposal and the supporting documentation was received by this office on the 27th of March 1990. The analytical documentation supports the contention that the excavation of the waste oil tank pit has been conducted in a sufficiently thorough manner to meet the

requirements of the Regional Board's Guidelines. This office does not intend to require further excavation of this pit and is currently reviewing the actions proposed to address the issue of ground water quality.

It is the opinion of this agency that the on-going construction activities at this site do not subject workers or the surrounding community to any adverse health risk. As no further soil excavation is anticipated at this site, it does not appear that further construction will hinder the implementation of the ground water investigation which still needs to be achieved Should ground water contamination prove to be sufficiently great, active remediation may be required. The technology necessitated by such a program does not require a great deal of surface area and will not be hindered by the above ground construction.

Please feel free to contact me at (415) 271-4320 if you have any questions or require further clarification concerning the actions which have taken place or are to be done in regards to this project.

Sincerely,

Dennis J. Byrne
Hazardous Materials Specialist

cc: Lester Feldman, SFBRWQCB
Doug Krause, DOHS
Rafat Shahid, Assistant Director, Alameda County Department of Environmental Health.
William Collett, Dryer's Grand Ice Cream

RCPC

ROCKRIDGE COMMUNITY PLANNING COUNCIL ▪ 5856 COLLEGE AVENUE #130 ▪ OAKLAND, CALIFORNIA 94618

90 APR -6 AM 10: 39

April 2, 1990

Mr. Dennis J. Byrne
Hazardous Materials Specialist
Alameda County Department
of Environmental Health
80 Swan Way, Suite 200
Oakland, CA 94621

Re: Underground Storage Tank Removal
Dreyer's Grand Ice Cream Project site
5929 College Avenue
Oakland, California

Dear Mr. Byrne:

This letter is to request action of the Alameda County Environmental Health Department (EHD) regarding the possibility of imminent endangerment to public or environmental health. This possible endangerment is the result of petroleum hydrocarbons which appear to have been released on property located at 5929 College Avenue in Oakland, the location of the Dreyer's Grand Ice Cream headquarters building now under construction (referred to in this letter as "the site").

SUMMARY

The property owner has failed to provide adequate documentation of the adequacy of remedial actions required by the EHD in regard to petroleum contaminated soils.

We recommend that a stop work order be issued until such time as the EHD and all other appropriate regulatory agencies can be satisfied by the property owner that no imminent endangerment to the public or environmental health is being sustained or aggravated by the site improvements.

In addition, because the property owner has failed to describe the possible presence in groundwater of petroleum hydrocarbons containing chemicals known to the State of California to cause cancer and/or reproductive toxicity, we ask that a stop work order be made until such time as the EHD, all other appropriate regulatory agencies, and representatives of the community are satisfied by the property owner that no significant risk from such circumstances exists.

BACKGROUND INFORMATION

On December 13 and 14, 1989, seven underground tanks were removed from the site under an EHD permit (Project No. U552963) dated November 14, 1989. According to the report submitted to EHD following removal of the tanks and analysis of a limited number of soil samples collected, elevated concentrations of petroleum hydrocarbons were present underneath both excavated tank clusters. No testing was performed regarding the product delivery lines shown on the map with the permit application. No operational history regarding the tanks was provided. It is not clear how long the tanks had been in service prior to removal. In addition, given the condition of the tanks described in the inspection reports prepared by EHD, it is possible that any or all of the fuel tanks removed may have contained either

gasoline or diesel fuel at some time in the past.

In EHD's letter to the property owner dated January 22, 1990, follow-up actions were required. Specifically, the installation of a minimum of three shallow groundwater monitoring wells was required, and remediation in the form of additional excavation was required in the former waste oil tank pit. The additional waste oil tank pit excavation was to extend to the point where total petroleum hydrocarbon concentrations in soil samples to be collected were less than 1,000 mg/kg (parts per million). EHD approved backfilling of the fuel tank pit in the January 22nd letter and stated that upon receipt of evidence that the remediation required for the waste oil tank pit was satisfactorily completed, permission to backfill the excavation would be forthcoming. As of March 23, 1990, the EHD file did not contain the report documenting the satisfactory remediation of the waste oil tank pit. As of March 23rd, no groundwater quality monitoring report was present in the EHD file regarding the site. Further, based on the well log inventory and address file for Township 1 south, Range 4 west, Section 13 received from the Alameda County Public Works Agency (PWA) on March 23rd, no record exists of County permits for groundwater monitoring wells at the location of the site.

As additional information, EHD's letter of March 12, 1990 to the property owner refers to independent information which suggests that an unauthorized release of gasoline occurred from the fuel tank pit which was backfilled following the January letter from EHD. Elevated concentrations of gasoline were detected in a composite soil sample collected from unrelated underground construction at the corner of College Avenue and Chabot Road (the southeast corner of the site, immediately adjacent to the former fuel tank locations). Gasoline is a mixture containing benzene, a carcinogenic chemical listed under California Proposition 65. Under Proposition 65, community right-to-know and civil suit provisions would apply if such a discharge occurred.

On the basis of our knowledge of the area and the PWA records, numerous shallow wells exist on private property downhill of the site. In addition, the water table is quite shallow, often intercepting the land surface at locations very near the site and flowing toward San Francisco Bay in storm drainage channels. **Old maps of the area indicate that Chabot Road near the site was once a stream channel, with flow from southeast to southwest along the southern boundary of the site.** It is highly unlikely that aquatic life in the Bay would benefit from petroleum hydrocarbons which might have been released at the site.

CONCLUSIONS AND RECOMMENDATIONS

On the basis of the information summarized above, we request that the EHD and all appropriate regulatory agencies cause the property owner to stop work at the site and satisfy the law and the community that no endangerment to the public or environmental health will result from the sustained presence of chemicals which may have been released at the two tank pits.

Additional remediation required in the January 22, 1990 letter from EHD, has not been implemented. We want to know when remediation will begin and what form it will take. Also, we request notification of the results of any further testing.

Further evidence has come to light suggesting that the fuel tank pit was the scene of a gasoline release. No requirement that this possible release be characterized has been forthcoming. Numerous potential exposure pathways exist mere hundreds of

feet from the site. The magnitude of this potential problem should be evaluated quickly to mitigate any possible adverse effects.

Sincerely,

Brooke A. Levin, Chair
for the Board of Directors of the
ROCKRIDGE COMMUNITY PLANNING COUNCIL

encl: Alameda County letter of January 22, 1990
and March 12, 1990

Hazardous materials inspection forms and map

cc: Lester Feldman
San Francisco Bay Regional Water Quality Control Board

Gil Jensen
Alameda County District Attorney's Office

Sam Hertzberg
Alameda County Public Works Department, Water Resources

Douglas Krause
California Department of Health Services

Marge Gibson Haskell
Oakland City Council

COUNTY OF ALAMEDA
PUBLIC WORKS AGENCY
399 Elmhurst Street • Hayward, CA 94544-1395
(415) 670-5480

1287

March 30, 1990

Spec. No. FC 12-134
Line A-1

William Collett
Dreyer's Grand Ice Cream
3675 Mount Diablo Boulevard, Suite 300
Lafayette, CA 94549

Dear Mr. Collett:

Reference is made to the letter to you from the Alameda County Health Care Services Agency dated March 12, 1990, regarding the pocket of gasoline-contaminated soil encountered at the intersection of College Avenue and Chabot Street, Oakland, by Mountain Cascade Inc., the Contractor installing a storm drain for the Alameda County Flood Control and Water Conservation District.

In accordance with instructions from the Alameda County Health Care Services Agency, approximately 60 cubic yards of this contaminated excavated material had to be transported from the site and held pending analytical analyses for proper disposal. As indicated in their letter to you, the soil analyses performed by Ensco Environmental Services, at our request, indicated that the level of contamination requires disposal at a Class III or Class II landfill.

This letter is to inform you that once the source of contamination is confirmed by the Alameda County Health Department, we plan to request reimbursement of all costs incurred by the Public Works Agency for the removal, storage and proper disposal of the contaminated soil. Please call me at telephone no. (415) 670-5445, if I can be of any further assistance in having this situation resolved.

Very truly yours,

Wadie I. Saad

WADIE I. SAAD
SUPERVISING CIVIL ENGINEER
PUBLIC WORKS AGENCY - CONSTRUCTION

WIS:ls

cc: Terry Boyle, Deputy County Counsel, w/att.
Richard Hendrix, Design, w/att.
Tom Hinderlie, Construction
Dennis Byrne, HCSA

6994/90/FC12-134

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

DEPT. OF ENVIRONMENTAL
HAZARDOUS MATERIALS PROG.
80 SWAN WAY, SUITE 200
OAKLAND, CA 94621
430-4530

Telephone Number: (415) 271-4320

12 March 1990

William Collett
Dreyer's Grand Ice Cream
3675 Mount Diablo Boulevard
Suite 300
Lafayette, CA 94549

Subject: Underground Storage Tank Removal Conducted at 5929 College Avenue, Oakland.

Dear Mr. Collett:

A matter has developed in regards to the underground tank removal project being conducted at the location listed above which involves Dreyer's Grand Ice Cream. On the 22nd of February, 1990, a construction crew installing a sewer line encountered a pocket of gasoline contaminated soil under the intersection of College Avenue and Chabot Street in Oakland. This location is immediately adjacent to the former tank pit location on your property. As there is evidence that an unauthorized release has occurred from at least three of the tanks which had been located on your property, your tanks are presumed to be the source of this contaminated soil.

Under the direction of this office, the Construction Division of the Alameda County Public Works Department removed approximately sixty cubic yards of soil to a temporary holding location pending an analytical determination of the level of hydrocarbon contamination present. This soil was sampled by representatives of Ensco Environmental Services and delivered to a State certified hazardous waste laboratory for a quantitative analysis of Total Petroleum Hydrocarbons-Gasoline, Total Petroleum Hydrocarbons-Diesel, Total Oil and Grease and Benzene, Toluene, Xylene and Ethylbenzene.

The results of this analysis indicate that the level of hydrocarbon contamination present in this soil is not high enough to require disposal as hazardous waste. However, in conformance with the Guidelines of the San Francisco Bay Regional Water Quality Control Board, this soil will require disposal in a Class III or a Class II landfill.

As the source of the contamination within this soil, the County of Alameda anticipates that Dreyer's Grand Ice Cream will assume the responsibility for ensuring the proper disposal of this material. Your options in this regard are to either contract with an appropriate facility for the ultimate disposal of this soil, or

allow the County to make these arrangements and eventually receive a bill from the County for this service.

Please inform this office of your desires in this matter. If we do not hear from you by the 23rd of March, 1990, the County of Alameda will dispose of this soil and bill Dreyer's Grand Ice Cream for this service.

Please feel free to contact me at (415) 271-4320 with any questions which you may have regarding this matter or the preliminary investigation which must be conducted as a result of the unauthorized release from the fuel and waste oil tanks formerly on your property.

Sincerely,

Dennis J. Byrne
Hazardous Materials Specialist

cc: Gil Jensen, Alameda County District Attorney's Office, Consumer and Environmental Protection Division.
Doug Krause, DOHS
Lester Feldman, SFBRWQCB
Rafat Shahid, Assistant Director, Alameda County Department of Environmental Health.
Wadie Saad, Alameda County Public Works Department, Construction Division

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

22 January 1990

Telephone Number: (415)

William Collett
Dryer's Ice Cream Incorporated
3675 Mount Diablo Boulevard
Suite 300
Lafayette, CA 94549

Subject: Underground Storage Tank Removal Conducted at **5929 College Avenue, Oakland.**

Dear Mr. Collett:

This office has reviewed the data report submitted by Petroleum Engineering Incorporated regarding the site listed above. On the basis of the soil contamination levels detected in association with this project follow-up actions are now required on your part.
Guidelines established by the San Francisco Bay Regional Water Quality Control Board require that a ground water monitoring program be established whenever soil hydrocarbon contamination reaching or exceeding 100 parts per million is detected. A monitoring well is to be located within ten feet of the former tank pit in a downgradient direction relative to ground water flow. Ground water flow direction is to be determined by data derived from three wells. During well installation, soil samples must be collected at five foot depth intervals until ground water is reached. This work must be performed under the direction of a registered engineer/geologist and all boring logs and data reports must be submitted to this office for review.

Ground water monitoring should be conducted on a quarterly basis for a minimum of one full year. The frequency and duration of any follow-up monitoring will be based upon the data derived during the first year.

The following actions are now required at this site.

1) Further excavation must be conducted within the former waste oil tank pit to ensure that no soil contaminated with Total Oil and Grease exceeding 1,000 parts per million remains. As per criterion established by the California Department of Health Services, a soil contaminated with hydrocarbons up to 1,000 parts per million constitutes a hazardous waste and must be physically removed for proper disposal. Upon the completion of this soil removal, samples of the pit wall must be taken to verify that the excavation has been sufficiently thorough. Please keep this office informed of developments in this regard so that approval can be granted to refill the excavation with clean backfill material.

2) The spoil pile of soil removed from the waste oil pit will require disposal as a hazardous waste.

3) The spoil pile of soil removed from the former gasoline and diesel storage tank pit will have to be disposed of. As the level of hydrocarbon contamination in this soil was not high enough to constitute a hazardous waste, it may be disposed of in a Class III landfill. However, please ensure that documentation accounting for the final quantity and destination of this material is communicated to this office for inclusion into our files.

4) At this time the gasoline and diesel tank pit can be refilled with clean backfill material.

5) Three ground water monitoring wells will have to be installed to gauge whether or not ground water has been impacted by the soil contamination associated with these former tank locations and to define the ground water flow gradient. Should a contaminant plume be found in the soil or water, further borings will be required to determine the vertical and lateral extent of this plume.

If you have any questions concerning this matter please contact me at (415) 271-4320.

Sincerely,

Dennis J. Byrne

Dennis J. Byrne
Hazardous Materials Specialist

cc: Lester Feldman, SFBRWQCB
Doug Krause, DOHS
Rafat Shahid, Assistant Director, Alameda County Dept. of Environmental Health.
Don Marchant, Petroleum Engineering, Inc.

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Division Inspection Form

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Site ID# _____ Site Name College Ave + Chabot Today's Date 2/22/90

Site Address _____ EPA ID# _____

City Oakland Zip 94 Phone _____

MAX Amt. Stored > 500lbs/55g/200cf? Y N
Hazardous Waste generated per month? _____

Inspection Categories:
- ✓ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ___ II. Business Plans, Acute Hazardous Materials
- ___ III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

I.A GENERATOR (Title 22)

	1. Waste ID	* 66471
	2. EPA ID	66472
	3. > 90 days	66508
	4. Label dates	66508
	5. Biennial	66493
Manifest	6. Records	66492
	7. Correct	66484
	8. Copy sent	66492
	9. Exception	66484
	10. Copies Rec'd	66492
Misc.	11. Treatment	66371
	12. On-site Disp. (H.S.&C.)	26189.5
	13. Ex Haz. Waste	66570
Prevention	14. Communications	67121
	15. Aisle Space	67124
	16. Local Authority	67126
	17. Maintenance	67120
	18. Training	67105
Contin. gency	19. Prepared	67140
	20. Name List	67141
	21. Copies	67141
	22. Emg. Coord. Tmg.	67144
Containers, Tanks	23. Condition	67241
	24. Compatibility	67242
	25. Maintenance	67243
	26. Inspection	67244
	27. Buffer Zone	67246
	28. Tank Inspection	67259
	29. Containment	67245
	30. Safe Storage	67261
	31. Freeboard	67257

I.B TRANSPORTER (Title 22)

	32. Applic./Insurance	66428
	33. Comp. Cert./CHP Insp.	66448
	34. Containers	66465
Manifest	35. Vehicles	66465
	36. EPA ID #s	66531
	37. Correct	66541
	38. HW Delivery	66543
	39. Records	66544
Cont'rs	40. Name/ Covers	66545
	41. Recyclables	66800

Comments:

Construction / Excavation project encountered pocket of soil contaminated with what appears to be gasoline. Evident organic odor, soil not flammable, but will support a flame. Non oxidizer. Vaporizes when charred with noticable odor. Diluted sample yielded negative PCB test.

70 - 100 yards may be effected within area to be excavated.

Anticipate contaminant to be old gasoline or possibly waste oil.
Reccommend discolored soil be brought to a place where it can be isolated while awaiting lab analysis.
Analyze for:
TPH - D + G (GCFID 5030 + 3550)
BTX+E (8020 or 8240)
PCB's (8270)

Rev 6/88

Contact: Susan Spott

Title: Public Works Inspector Inspector: D Byrne

Signature: _____ Signature: Dennis Byrne

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Division Inspection Form

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Site ID# _____ Site Name College Ave + Chabot Today's Date 2/22/90

Site Address _____ EPA ID# _____

City Oakland Zip 94 Phone _____

MAX Amt. Stored > 500lbs/55g/200cf? Y N
Hazardous Waste generated per month? _____

Inspection Categories:
- ✓ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ___ II. Business Plans, Acute Hazardous Materials
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The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

I.A GENERATOR (Title 22)

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	32. Applic./Insurance	66428
	33. Comp. Cert./CHP Insp.	66448
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Manifest	35. Vehicles	66465
	36. EPA ID #s	66531
	37. Correct	66541
	38. HW Delivery	66543
	39. Records	66544
Cont'rs	40. Name/ Covers	66545
	41. Recyclables	66800

Rev 6/88

Comments:

Construction / Excavation project encountered pocket of soil contaminated with what appears to be gasoline Evident organic odor, soil not flammable, but will support a flame. Not oxidizer vaporizes when burned with noticeable [illegible] Grab sample yielded negative PCB test

70-100 yards may be affected with area to be excavated

Not sure contaminant to be only gasoline it possibly waste oil. Recommend affected soil be brought to storage where it can be isolated while awaiting lab analysis

Analyze for
- TPH-D+G (or TPH 5030 + 3550)
- BTX+E (8240 or 8240)
- PCB's (8270)

Contact: Susan Scott

Title: [illegible] Inspector: [illegible]

Signature: [illegible] Signature: [illegible]

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
470 - 27TH ST., RM. 322
OAKLAND, CA 94612
PHONE NO. 415/874-7237

Project # U1552963
Fee Paid $1293.-
Date 11/14/89

ACCEPTED
DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street, Third Floor
Oakland, CA 94612
Telephone: (415) 874-7237
12/6/89

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to your plans indicated by the Department are to assure compliance with State and local laws. The project proposed herein is now ordered for issuance of any required building permits for construction.

One copy of these accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.

Any change or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspection Department to determine if such changes meet the requirements of State and local laws. Notify this Department at least 48 hours prior to the following required inspections:

_____ Removal of Tank and Piping

_____ Sampling

_____ Final Inspection

Issuance of a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name Dreyer's Grand Ice Cream Inc

   Business Owner Dreyer's Grand Ice Cream Inc

2. Site Address 5929 College Avenue

   City Oakland Zip 618 Phone _____

3. Mailing Address 3675 Mount Diablo Boulevard, Suite 300

   City Lafayette Zip 94549 Phone (415) 283-9400

4. Land Owner Dreyer's Grand Ice Cream Inc

   Address 3675 Mount Diablo Blvd., Suite 300 City, State Lafayette, Ca Zip 94549

5. EPA I.D. No. CAC000218609

6. Contractor Petroleum Engineering, Inc.

   Address 11 West Ninth Street

   City Santa Rosa, California 95401 Phone (707) 545-0360

   License Type A, B, C10, C61 ID# 224358

7. Other (Specify) _____

   Address _____

   City _____ Phone _____

8. Contact Person for Investigation

Name Donald C. Marchant Title Vice President

Phone (707) 545-0360

9. Total No. of Tanks at facility 7

10. Have permit applications for all tanks been submitted to this office? Yes [XX] No [ ]

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name H & H Environmental Services EPA I.D. No. TSD #38-001-78 CAD004771168

Address 220 China Basin

City San Francisco State Ca Zip 94107

b) Rinsate Transporter

Name N/A EPA I.D. No. _____

Address _____

City _____ State _____ Zip _____

c) Tank Transporter

Name H & H Environmental Services EPA I.D. No. TSD #38-001-78 CAD004771168

Address 220 China Basin

City San Francisco State Ca Zip 94107

d) Contaminated Soil Transporter

Name N/A EPA I.D. No. _____

Address _____

City _____ State _____ Zip _____

12. Sample Collector

Name T. Scott Gibson

Company Pace Laboratories, Inc.

Address 11 Digital Drive

City Novato State Ca Zip 94949 Phone (415) 883-6100

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
8,000 gallon	Gasoline	To advise	To advise
4,000 gallon	Diesel fuel	To advise	To advise
4,000 gallon	Diesel fuel	To advise	To advise
1,000 gallon	Gasoline	To advise	To advise
1,000 gallon	Waste oil	(Tank filled with sand)	
1,000 gallon	Waste oil	(Tank filled with sand)	
2,000 gallon	Diesel	To advise	- not present

14. Have tanks or pipes leaked in the past? Yes [ ] No [ ] [XX] Unknown

If yes, describe. _____

15. NFPA methods used for rendering tank inert? Yes [XX] No [ ]

If yes, describe. 15# - 20# of dry ice for every 1,000 gallons of capacity

16. Laboratories

Name Pace Laboratories, Inc.

Address 11 Digital Drive

City Novato State Ca Zip 94949

State Certification No. _____

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
Gasoline tanks		
TPH light BTXE	5030/8015 Modified 8020 or 8240	
Diesel tanks		
TPH heavy BTXE	EPA 8020 or 8240	
Waste oil tanks		
TPH heavy TOG BTX+E chlorinated HC's PCB, PCP, PNA, creosote Cd, Cr^6, Pb, Zn	3550/8015 503 D+E 8020 or 8240 8010 or 8240 8270 Atomic Absorption	

18. Site Safety Plan submitted? Yes [XX] No [ ]

19. Workman's Compensation: Yes [XX] No [ ] on file

Copy of Certificate enclosed? Yes [ ] No [ ]

Name of Insurer Republic Indemnity

20. Plot Plan submitted? Yes [X] No [ ]

21. Deposit enclosed? Yes [XX] No [ ]

22. Please forward to this office the following information within 60 days after receipt of sample results.

a) Chain of Custody Sheets

b) Original Signed Laboratory Reports

c) TSD to Generator copies of wastes shipped and received

d) Attachment A summarizing laboratory results

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true. I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I will notify the Department of Environmental Health at least two (2) working days (48 hours) in advance to schedule any required inspections. I understand that site and worker safety are soley the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Signature of Contractor

Name (please type) Donald C. Marchant

Signature Donald C. Marchant

Date 11-6-89

Signature of Site Owner or Operator

Name (please type) Dreyer's Grand Ice Cream Inc. - William C. COllett

Signature

Date 11/9/89

NOTES:

1. Any changes in this document must be approved by this Department.
2. Any leaks discovered must be submitted to this office on an underground storage tank unauthorized leak/contamination site report form within 5 days of its discovery.
3. Three (3) copies of this plan must be submitted to this Department. One copy must be at the construction site at all times.
4. A copy of your approved plan must be sent to the landowner.

5. Triple rinse means that:

   a) final rinse must contain less than 100 ppm of Gasoline (EPA method 8020 for soil, or EPA method 602 for water) or Diesel (EPA method 418.1) Other methods for halogenated volatile organics (EPA method 8010 for soil, EPA method 601 for water) may be required. The composition of the final rinse must demonstrated by an original or facsimile report from a laboratory certified for the above analyses.

   b) tank interior is shown to be free from deposits or residues upon a visual examination of tank interior.

   c) tank should be labelled as "tripled rinsed; laboratory certified analysis available upon request" with the name and address of the contractor.

   If all the above requirements cannot be met, the tank must be transported as a hazardous waste.

6. Any cutting into tanks requires local fire department approval.

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

ATTACHMENT A

SAMPLING RESULTS

Tank or Area	Contaminant	Location & Depth	Results (specify units)

INSTRUCTIONS

2. SITE ADDRESS
Address at which closure or modification is taking place.

5. EPA I.D. NO.
This number may be obtained from the State Department of Health Services, 916/324-1781.

6. CONTRACTOR
Prime contractor for the project.

7. OTHER
List professional consultants here.

12. SAMPLE COLLECTOR
Persons who are collecting samples.

13. SAMPLING INFORMATION
Historic contents - the principal product(s) used in the last 5 years.

Material sampled - i.e., water, oil, sludge, soil, etc.

16. LABORATORIES
Laboratories used for chemical and geotechnical analyses.

17. CHEMICAL METHODS:
All sample collection methods and analyses should conform to EPA or DHS methods.

Contaminant - Specify the chemical to be analyzed.

Sample Preparation Method Number - The means used to prepare the sample prior to analyses - i.e., digestion techniques, solvent extraction, etc. Specify number of method and reference if not an EPA or DHS method.

Analysis Method Number - The means used to analyze the sample - i.e., GC, GC-MS, AA, etc. Specify number of method and reference if not a DHS or EPA method.

NOTE:
Method Numbers are available from certified laboratories.

18. SITE SAFETY PLAN
A plan outlining protective equipment and additional specialized personnel in the event that significant amount of hazardous materials are found. The plan should consider the availability of respirators, respirator cartridges, self-contained breathing apparatus (SCBA) and industrial hygienists.

19. ATTACH COPY OF WORKMAN'S COMPENSATION

20. PLOT PLAN

The plan should consists of a scaled view of the facility at which the tank(s) are located and should include the following information:

a) Scale

b) North Arrow

c) Property Line

d) Location of all Structures

e) Location of all relevant existing equipment including tanks and piping to be removed

f) Streets

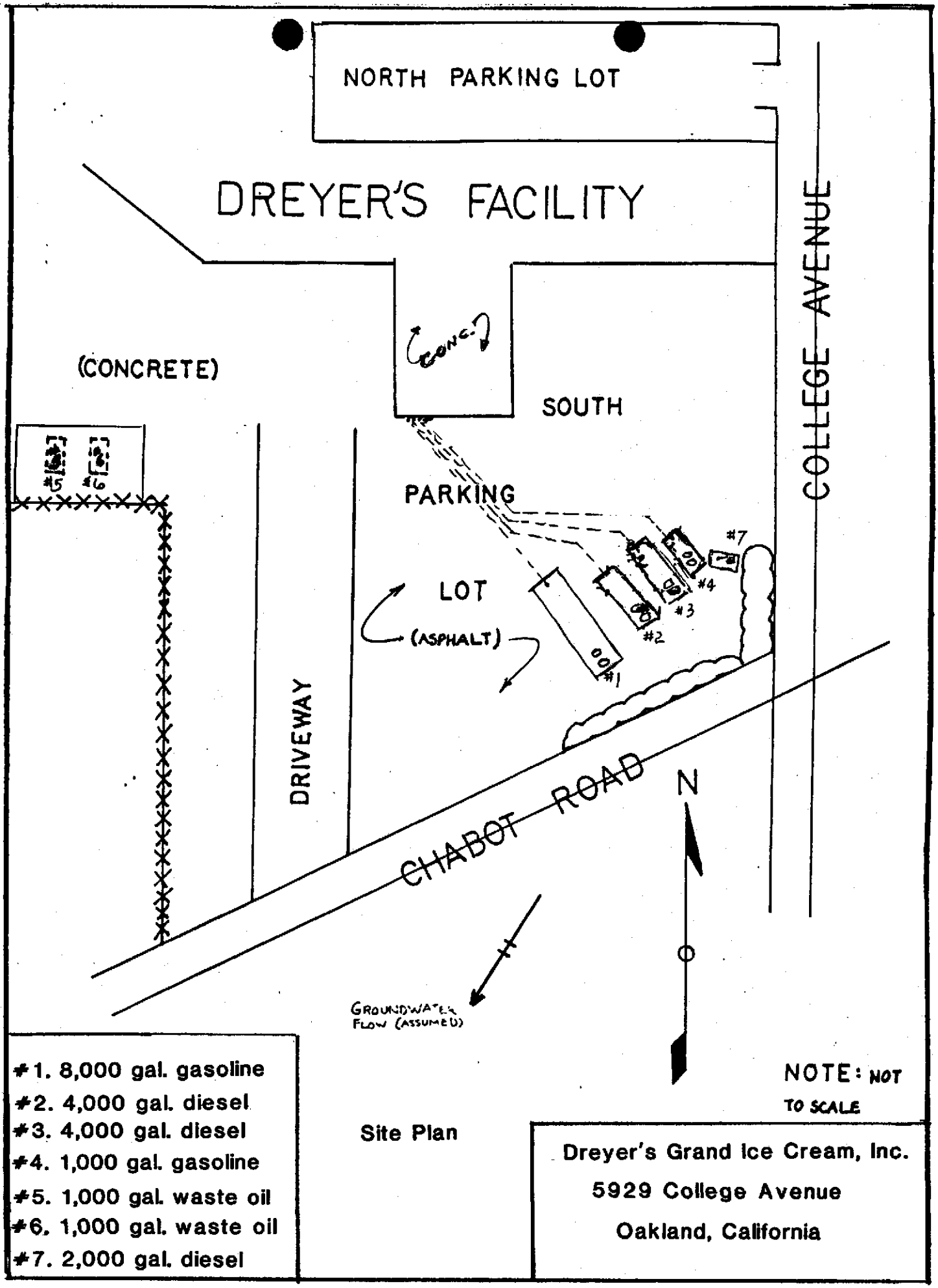
g) Underground conduits, sewers, water lines, utilities

h) Existing wells (drinking, monitoring, etc.)

i) Depth to ground water

j) All existing tanks in addition to the ones being pulled

1/88



#1. 8,000 gal. gasoline
#2. 4,000 gal. diesel
#3. 4,000 gal. diesel
#4. 1,000 gal. gasoline
#5. 1,000 gal. waste oil
#6. 1,000 gal. waste oil
#7. 2,000 gal. diesel

NOTE: NOT TO SCALE

Site Plan

Dreyer's Grand Ice Cream, Inc.
5929 College Avenue
Oakland, California

PETROLEUM ENGINEERING, INC
GENERAL CONTRACTORS
11 WEST NINTH STREET
PHONE (707) 545-0360
SANTA ROSA
LICENSE NO. 224358
CALIFORNIA 95401

SITE SAFETY PLAN

I INTRODUCTION

This Health and Safety Plan has been prepared to outline the minimum standards to be applied to the site. This Health and Safety Plan will be followed by PETROLEUM ENGINEERING, INC. and their SUBCONTRACTORS during their involvement in this project.

The jobsite name and address is: Dreyer's Grand Ice Cream Inc
5929 College Avenue
Oakland, California

The site contains: Seven (7) underground fuel and waste oil storage tanks consisting of two (2) gasoline tanks, three (3) diesel tanks and two (2) waste oil tanks.

This Health and Safety Plan outlines a personnel and work site safety program to minimize the risk of endangering surrounding personnel and/or property.

II HEALTH AND SAFETY CONSIDERATIONS

A. Key Personnel

Health and Safety Officer

The designated Health and Safety Officer for this project is: Project foreman - to be selected. This person will be responsible for planning, implementing and auditing the health and safety program for this project.

B. Hazardous Substance Description

No known contamination exists at this site. However, observation of the excavated material should be made to detect any unusual oders or obvious indication that contamination may be present.

C. Chemical Distribution

No known contamination exists at this site. However, if contamination were encountered, it would probably be constituents of gasoline (Benzene, Toluene, Xyylene and Ethylbenzene).

1. Benzene

a. Characteristics:
Clear, colorless, highly flammable liquid with characteristic odor.

b. High exposure levels may cause:
Acute restlessness, convulsions, depression, respiratory failure, suspected carcinogen.

c. Permissable exposure level in air (PEL) fora time weighted average (TWA) over an eight hour period:
10 ppm

2. Toluene

a. Characteristics:
Refractive, flammable liquid with benzene-like odor.

b. High exposure levels may cause:
Headache, nausea

c. PEL for an 8-hour TWA:
200 ppm

3. Xylene

a. Characteristics:
Clear, mobile, flammable liquid.

b. High exposure levels may cause:
Skin, nose and eye irritation, dizziness, ataxia, loss of consciousness and respiratory failure.

c. PEL for an 8-hour TWA:
100 ppm

E. Physical Hazards

Other on-site hazards may include physical injuries due to the proximity of workers to engine-driven heavy equipment and tools. Heavy equipment used during the excavation will likely include backhoe and/or excavator, dump trucks and other equipment as part of the tank removals and backfilling operations. Only trained personnel will operate machines, tools and equipment; all of which will be kept clean and in good repair. Safety apparel required around heavy equipment will include a hard hat.

All work will be performed in accordance with OSHA guidelines.

III EMERGENCY MEDICAL CARE

In the event of an injury or suspected chemical exposure, the first responsibility of the Health and Safety Officer will be to prevent further injury. This objective will normally require an immediate end to work until the situation is rectified. The Health and Safety Officer may order an evacuation of the work party.

The Health and Safety Officer's primary responsiblity in the event of an accident will be evacuation, first aid, and decontamination of injured team members. The Health and Safety Officer will determine safe evacuation areas and begin first aid.

IV EMERGENCY PROCEDURES

A. Response to Emergency

In case of an injury, the Health and Safety Officer will use the appropriate first aid kit and contact off-site medical help, if appropriate.

If medical evacuation is required, the route shown on the attached map will be followed.

B. Emergency Contacts

Ambulance, Fire, Police: Call 911

Hospital: Alta Bates Hospital (415) 540-0337
301 Colby Street at Ashby
Berkeley, California

Chemical Spills: National Response Center (24 hours)
(800) 424-9300

Environmental Protection Agency
Emergency Response Center:

Poison Control Center (24 hour): Herrick Hospital (415) 845-0130
2001 Dwight Way
Berkeley, California

Cal-OSHA District Office: Safety & Health Enforcement
(Occupational Injuries) 1625 Shattuck Avenue
Berkeley, California

Regional Water Quality Control Board: San Francisco Bay Region
1111 Jackson Street
(415) 464-1255 Oakland, California

C. Acute Exposure Symptoms and First Aid

Exposure Route	Symptoms	First Aid
Skin	Dermatitis	Wash immediately with soap and water, contact ambulance, if evacuation is necessary.
Eye	Irritated eyes	Flush eyes with water, call for ambulance.
Inhalation	Virtigo, tremor	Move person to fresh air, cover source of chemicals.
Ingestion	Nausea, vomiting	Call Poison Control Center

D. Contingency Plan

The following procedures will be used in case of an unpredicatable event:

Fire: Use fire extingusher if localized and call the Fire Department if uncontrolled.

Chemical Exposure: Follow first aid treatment specified previously.

Physical Injury: Provide first aid treatment and contact ambulance for evacuation, if appropriate.

List of Attachments:

1. Site Plan
2. Escape Route Map

Distribution:


Alta Bates Hospital
Work Site
ALBANY
BERKELEY
EMERYVILLE
OAKLAND
UNIVERSITY OF CALIFORNIA
BERKELEY MARINA
South Sailing Basin
CLAREMONT COUNTRY CLUB
MOUNTAIN VIEW CEMETERY
ST. MARYS CEMETERY
Lake Temescal
LIMIT LIMIT
BASE

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

II,III

Site ID # ____ Site Name Dryer Ice Cream Today's Date 12/14/89

Site Address 5929 College Ave

City Oakland Zip 94619 Phone ____

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

Inspection Categories:
____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
____ II. Business Plans, Acute Hazardous Materials
✓ III. Underground Tanks

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

II.A BUSINESS PLANS (Title 19)

___	1. Immediate Reporting	2703
___	2. Bus. Plan Stds.	25503(b)
___	3. RR Cars > 30 days	25503.7
___	4. Inventory Information	25504(a)
___	5. Inventory Complete	2730
___	6. Emergency Response	25504(b)
___	7. Training	25504(c)
___	8. Deficiency	25505(a)
___	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

___	10. Registration Form Filed	25533(a)
___	11. Form Complete	25533(b)
___	12. RMPP Contents	25534(c)
___	13. Implement Sch. Req'd? (Y/N)	___
___	14. OffSite Conseq. Assess.	25524(c)
___	15. Probable Risk Assessment	25534(d)
___	16. Persons Responsible	25534(g)
___	17. Certification	25534(i)
___	18. Exemption Request? (Y/N)	25536(b)
___	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

___	1. Permit Application	25284 (H&S)
___	2. Pipeline Leak Detection	25292 (H&S)
___	3. Records Maintenance	2712
___	4. Release Report	2651
___	5. Closure Plans	2670

Monitoring for Existing Tanks

___ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tstng
8) Annual Tank Testing
Daily Inventory
9) Other ____

___	7. Precis Tank Test Date: ____	2643
___	8. Inventory Rec.	2644
___	9. Soil Testing.	2646
___	10. Ground Water.	2647

New Tanks

___	11. Monitor Plan	2632
___	12. Access. Secure	2634
___	13. Plans Submit Date: ____	2711
___	14. As Built Date: ____	2635

Rev 6/88

Comments:

Observed removal of two 1,000 gallon UGT's. Both had been closed in place by filling with concrete. The skin of the tanks had to be peeled away from the concrete core prior to removal.

4 soil samples collected, 2 from under each tank.

II, III

Contact: ____

Title: ____ Inspector: ____

Signature: ____ Signature: [signature]

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

II,III

Site ID # ____ Site Name Dryer's Ice Cream Today's Date 12/13/89

Site Address 5929 college Ave

City Oakland Zip 94618 Phone ____

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

Inspection Categories:
___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
✓ III. Underground Tanks 545-0360

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

II.A BUSINESS PLANS (Title 19)

___	1. Immediate Reporting	2703
___	2. Bus. Plan Sts.	25503(b)
___	3. RR Cars > 30 days	25503.7
___	4. Inventory Information	25504(a)
___	5. Inventory Complete	2730
___	6. Emergency Response	25504(b)
___	7. Training	25504(c)
___	8. Deficiency	25505(a)
___	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

___	10. Registration Form Filed	25533(a)
___	11. Form Complete	25533(b)
___	12. RMPP Contents	25534(c)
___	13. Implement Sch. Req'd? (Y/N)	___
___	14. OffSite Conseq. Assess.	25524(c)
___	15. Probable Risk Assessment	25534(d)
___	16. Persons Responsible	25534(g)
___	17. Certification	25534(l)
___	18. Exemption Request? (Y/N)	25536(b)
___	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

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___ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tsting
8) Annual Tank Testing
Daily Inventory
9) Other ____

___	7. Precis Tank Test Date: ____	2643
___	8. Inventory Rec.	2644
___	9. Soil Testing .	2646
___	10. Ground Water.	2647

New Tanks

___	11. Monitor Plan	2632
___	12. Access. Secure	2634
___	13. Plans Submit Date: ____	2711
___	14. As Built Date: ____	2635

Rev 6/88

Comments:

observed removal of UGT's
1) 4,000 gallon diesel - one obvious hole on bottom
2) 4,000 gal diesel, no obvious holes
3) 1,000 gal diesel/gas? one obvious hole
4) 8,000 gal gas, no obvious holes

No water in excavation

2 soil samples collected from under each tank at native soil interface

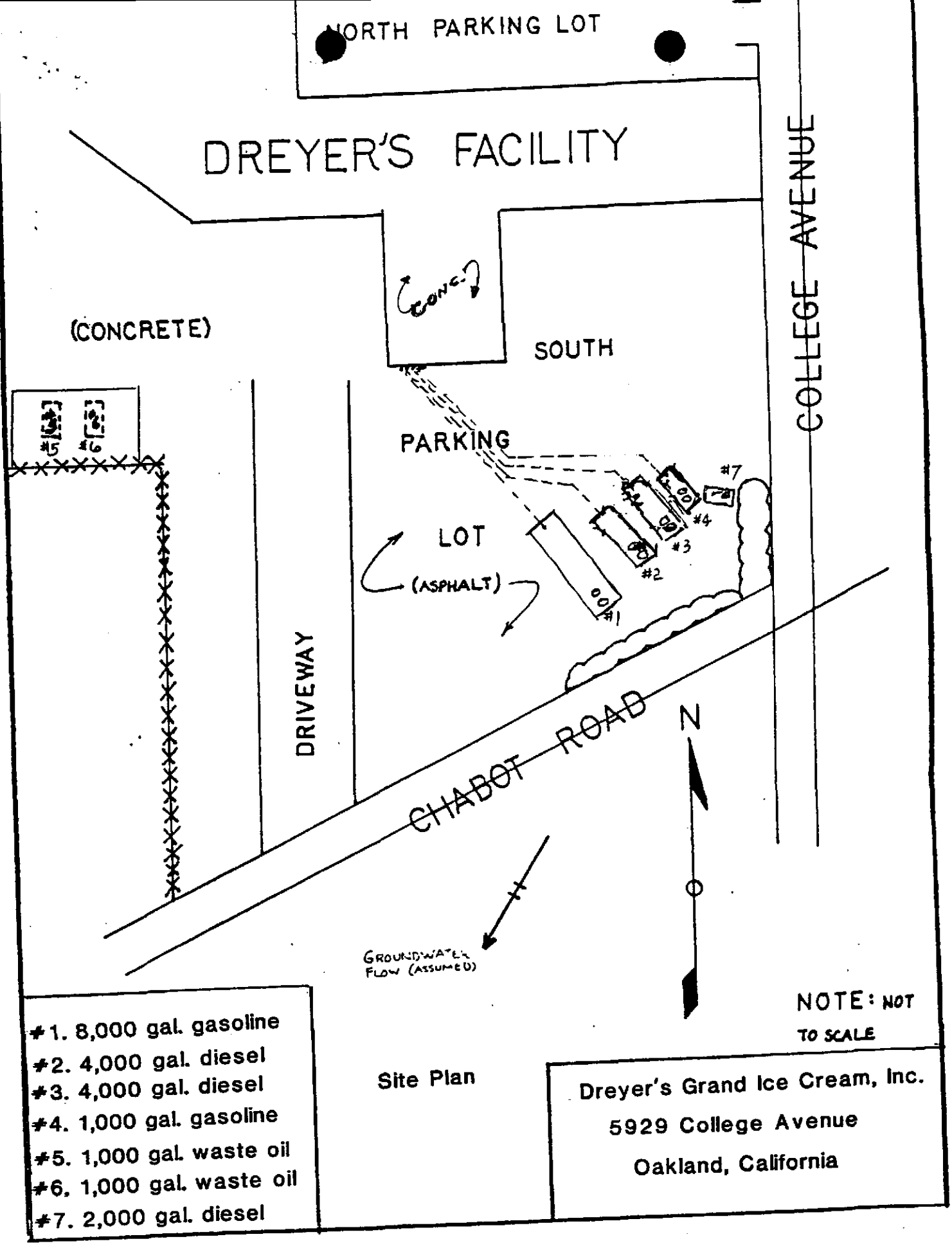
Two waste oil tanks still in ground, to be removed 12/14

II, III

Contact: ____

Title: ____ Inspector: ____

Signature: ____ Signature: [signature]



#1. 8,000 gal. gasoline
#2. 4,000 gal. diesel
#3. 4,000 gal. diesel
#4. 1,000 gal. gasoline
#5. 1,000 gal. waste oil
#6. 1,000 gal. waste oil
#7. 2,000 gal. diesel

NOTE: NOT TO SCALE

Site Plan

Dreyer's Grand Ice Cream, Inc.
5929 College Avenue
Oakland, California

PETROLEUM ENGINEERING, INC

GENERAL CONTRACTORS

GENERAL CONTRACTORS • (707) 545-0360 • LICENSE NO. 224358
11 WEST NINTH STREET • SANTA ROSA • CALIFORNIA 95401

LETTER OF TRANSMITTAL

TO Alameda County Environmental Health
80 Swan Way - Room 200
Oakland, California 94621

DATE 11/30/89 89 NOV 31 AM 10:52 | JOB NO. B-4736
ATTENTION Mr. Dennis Byrne
RE: Dreyer's Grand Ice Cream
5929 College Avenue
Oakland, California

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☒ Certificate of Insurnace

COPIES	DATE	NO.	DESCRIPTION
2	11/30/89		Certificate of Insurance

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☒ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☒ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS Mr. Byrne:

In accordance with our telephone conversation this morning, we are enclosing two (2) copies of our Certificate of Insurance

COPY TO _____

SIGNED: Ronald Marshall

If enclosures are not as noted, kindly notify us at once.

PETROLEUM ENGINEERING, INC

GENERAL CONTRACTORS

GENERAL CONTRACTORS • (707) 545-0360 • LICENSE NO. 224358
11 WEST NINTH STREET • SANTA ROSA • CALIFORNIA 95401

LETTER OF TRANSMITTAL

DATE	JOB NO.
11/6/89	B-4736

ATTENTION: PERMIT SECTION

RE: REMOVAL OF UNDERGROUND TANKS
5929 COLLEGE AVENUE
OAKLAND, CALIFORNIA

TO ALAMEDA COUNTY ENVIRONMENTAL HEALTH
470 - 27TH STREET, ROOM 322
OAKLAND, CALIFORNIA 94612

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☒ PERMIT APPLICATION

COPIES	DATE	NO.	DESCRIPTION
3	11/6/89		ALAMEDA COUNTY ENVIRONMENTAL HEALTH PERMIT APPLICATION
3	11/6/89		PETROLEUM ENGINEERING, INC. SITE SAFETY PLAN
1	11/6/89		OUR CHECK IN THE AMOUNT OF $1,293.00 FOR PERMIT FEE
			Project # U552963
			Fee $1293.00
			Date 11/14/89

THESE ARE TRANSMITTED as checked below:

☒ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☒ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT DON MARCHANT AT (707) 545-0360.

COPY TO _____

SIGNED: Donald C. Marchant
DONALD C. MARCHANT

If enclosures are not as noted, kindly notify us at once.

acord CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY): 03/06/89

PRODUCER

HOLTEMANN, ORD & SMITH, INC
P. O. BOX 1868
NOVATO CA 94948

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED

PETROLEUM ENGINEERING
11 WEST 9TH STREET
SANTA ROSA, CA 95401

COMPANIES AFFORDING COVERAGE

COMPANY LETTER A	COMCO INSURANCE COMPANY
COMPANY LETTER B	REPUBLIC INDEMNITY CO
COMPANY LETTER C	
COMPANY LETTER D	COPY
COMPANY LETTER E	

COVERAGES

THIS IS TO CERTIFY THAT POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS, AND CONDITIONS OF SUCH POLICIES.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	ALL LIMITS IN THOUSANDS	
A	**GENERAL LIABILITY** X COMMERCIAL GENERAL LIABILITY X [ ] CLAIMS MADE [X] OCCURRENCE X OWNER'S & CONTRACTORS PROTECTIVE	100441	03/01/89	03/01/90	GENERAL AGGREGATE PRODUCTS-COMP/OPS AGGREGATE PERSONAL & ADVERTISING INJURY EACH OCCURRENCE FIRE DAMAGE (ANY ONE FIRE) MEDICAL EXPENSE (ANY ONE PERSON)	$ 2,000 $ 1,000 $ 1,000 $ 1,000 $ 50 $ 5
A	**AUTOMOBILE LIABILITY** X ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS GARAGE LIABILITY	100441	03/01/89	03/01/90	CSL BODILY INJURY (PER PERSON) BODILY INJURY (PER ACCIDENT) PROPERTY DAMAGE	$ 1,000 $ $ $
	EXCESS LIABILITY OTHER THAN UMBRELLA FORM				EACH OCCURRENCE AGGREGATE	$ $
B	**WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY**	PC988913	01/01/89	01/01/90	STATUTORY $ 1,000 (EACH ACCIDENT) $ 1,000 (DISEASE-POLICY LIMIT) $ 1,000 (DISEASE-EACH EMPLOYEE)	
	OTHER					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/RESTRICTIONS/SPECIAL ITEMS

ALL OPERATIONS PERFORMED BY OR FOR THE NAMED INSURED FOR THE CERTIFICATE HOLDER

CERTIFICATE HOLDER

ALAMEDA COUNTY DEPT.
OF ENVIRONMENTAL HEALTH
ATTN: DENNIS BYRNE
80 SWAN WAY RM 200
OAKLAND, CA 94621

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

APPENDIX 1.

CALIFORNIA HAZARDOUS MATERIAL INCIDENT REPORT

OES 1/89

CHANGE 1 ☐ DELETE 2 ☐

A

AGENCY NAME	AGENCY ID NO.	AGENCY INCIDENT NO.	AGENCY PHONE NO.	OES CONTROL NO.
Alameda County	0 1 7 1 5		(415) 271 – 4320	

B

INCIDENT DATE (MO DAY YEAR)	TIME NOTIFIED	TIME COMPLETED	DATE COMPLETED (IF DIFFERENT) (MO DAY YEAR)
0 2 2 2 9 0	1 0 0 0	1 2 0 0	

C

INCIDENT ADDRESS/LOCATION	CITY/COMMUNITY	COUNTY	ZIP
5901 College Ave	Oakland	Alameda	94618

D

WEATHER *(CHECK BEST DESCRIPTOR(S))*: 1 ✓CLEAR, 3 RAIN, 4 SNOW, 5 HAIL, 6 ELECTRICAL STORM, 7 FOG, 8 HIGH WIND, 9 OTHER, 0 UNKNOWN

ESTIMATED TEMPERATURE: 70 (Deg. F)

PROPERTY USE *(USE CODES ON REVERSE)*: PROPERTY USE 5 C C; SURROUNDING AREA 4 0 0

PROPERTY MANAGEMENT: FEDERAL, STATE, ✓COUNTY, ✓CITY, PRIVATE, UNKNOWN

E

RELEASE FACTORS *(CHECK BEST DESCRIPTOR(S))*: 11 INTENTIONAL ACT; 21 SUSPICIOUS ACT; 30 ✓FAILURE TO CONTROL HAZMAT; 31 ABANDONED; 40 MISUSE OF HAZMAT; 50 MECHANICAL FAILURE; 60 DESIGN, CONSTRUCTION, INSTALLATION DEFICIENCY; 70 OPERATIONAL DEFICIENCY; 71 COLLISION/OVERTURN; 80 NATURAL CONDITION; 90 UNKNOWN; 94 FIRE/EXPLOSION; 98 NO RELEASE; 99 OTHER

TYPE OF EQUIPMENT INVOLVED: 10 HEATING SYSTEMS; 30 AIR CONDITION/REFRIG; 77 CHEM PROCESSING EQUIP; 78 WASTE RECOVERY EQUIP; 96 HAZMAT TRANSFER EQUIP; 98 NO EQUIP INVOLVED; 99 OTHER

MOBILE PROPERTY TYPE: 10 PASSENGER VEH/ROAD; 20 FREIGHT VEH/ROAD; 30 RAIL TRANSPORT VEH; 40 WATER TRANS VESSEL; 50 AIR TRANSPORT VEH; 60 HEAVY EQUIP-INDUST/AGRI; 99 OTHER

F

ACTIONS TAKEN *(CHECK ONE OR MORE)*: 31 RESCUE, REMOVE FROM HARM; 32 EXTRICATION, DISENTANGLEMENT; 33 EMERGENCY MEDICAL SERVICES; 35 SEARCH; 36 TRANSPORT; 41 ✓REMOVE HAZARD; 42 ✓ID/ANALYSIS OF HAZMAT; 43 EVACUATION; 44 ESTABLISH SAFE AREA; 45 MONITOR; 46 DECON-PERSON/EQUIP; 47 DECON-AREA; 61 CROWD CONTROL; 62 ✓TRAFFIC CONTROL; 63 NOTIFY OTHER AGENCY; 64 PROVIDE PUBLIC INFO; 71 ✓INVESTIGATE; 73 SHUT DOWN SYSTEM; 82 SECURE PROPERTY; 92 REFER TO PROPER AUTHORITY; 98 NO ACTION TAKEN; 99 OTHER

G

CHEMICAL OR TRADE NAME (PRINT OR TYPE)	DOT ID NO.	DOT HAZARD CLASS	CAS NO.
Gasoline			

PHYSICAL STATE STORED: 1 SOLID 2 LIQUID 3 GAS — PHYSICAL STATE RELEASED: 1 SOLID 2 ✓LIQUID 3 GAS

QUANTITY RELEASED: Unknown (1 lbs. 2 gal. 3 cu.ft.)

ENVIRONMENTAL CONTAMINATION: 1 AIR, 3 WATER, 7 ✓GROUND, 9 OTHER — (USE CODES ON REVERSE) EXTENT OF RELEASE 7

CONTAINER DESCRIPTION: 1 FIXED, 2 PORTABLE, 3 MOBILE; 1 ARMORED, 2 INSULATED, 3 PRESSURIZED

(USE CODES ON REVERSE): CONTAINER TYPE, LEVEL OF CONTAINER, CONTAINER MATERIAL

CONTAINER CAPACITY (1 lbs. 2 gal. 3 cu.ft.)

CHEMICAL OR TRADE NAME (PRINT OR TYPE)	DOT ID NO.	DOT HAZARD CLASS	CAS NO.

PHYSICAL STATE STORED: 1 SOLID 2 LIQUID 3 GAS — PHYSICAL STATE RELEASED: 1 SOLID 2 LIQUID 3 GAS

QUANTITY RELEASED: (1 lbs. 2 gal. 3 cu.ft.)

ENVIRONMENTAL CONTAMINATION: 1 AIR, 3 WATER, 7 GROUND, 9 OTHER — (USE CODES ON REVERSE) EXTENT OF RELEASE

CONTAINER DESCRIPTION: 1 FIXED, 2 PORTABLE, 3 MOBILE; 1 ARMORED, 2 INSULATED, 3 PRESSURIZED

(USE CODES ON REVERSE): CONTAINER TYPE, LEVEL OF CONTAINER, CONTAINER MATERIAL

CONTAINER CAPACITY (1 lbs. 2 gal. 3 cu.ft.)

CHEMICAL OR TRADE NAME (PRINT OR TYPE)	DOT ID NO.	DOT HAZARD CLASS	CAS NO.

PHYSICAL STATE STORED: 1 SOLID 2 LIQUID 3 GAS — PHYSICAL STATE RELEASED: 1 SOLID 2 LIQUID 3 GAS

QUANTITY RELEASED: (1 lbs. 2 gal. 3 cu.ft.)

ENVIRONMENTAL CONTAMINATION: 1 AIR, 3 WATER, 7 GROUND, 9 OTHER — (USE CODES ON REVERSE) EXTENT OF RELEASE

CONTAINER DESCRIPTION: 1 FIXED, 2 PORTABLE, 3 MOBILE; 1 ARMORED, 2 INSULATED, 3 PRESSURIZED

(USE CODES ON REVERSE): CONTAINER TYPE, LEVEL OF CONTAINER, CONTAINER MATERIAL

CONTAINER CAPACITY (1 lbs. 2 gal. 3 cu.ft.)

H

MORE THAN 3 SUBSTANCES INVOLVED ___YES ✓NO (LIST ADDITIONAL INFORMATION ON REVERSE SIDE)

I

SPECIAL STUDIES — LOCAL USE: 1. A B C D 2. A B C D 3. A B C D — STATE USE: 4. A B C D 5. A B C D 6. A B C D

J

HAZMAT IDENTIFICATION SOURCES *(CHECK BEST DESCRIPTOR(S))*: 19 ON-SITE FIRE SERVICES; 29 OFF-SITE FIRE SERVICES; 40 ON-SITE NON-FIRE SERVICES; 60 OFF-SITE NON-FIRE SERVICES; 54 CHEMIST; 58 TOX CENTER; 71 DOT MANUAL; 73 MSDS; 75 PLACARDS/SIGNS; 78 SHIPPING PAPERS; 86 CONTRACT INFO SOURCES; 87 COMPUTER SOFTWARE; 99 OTHER

HAZMAT CASUALTIES

	NO. OF DECONTAMINATED	NO. OF INJURIES	NO. OF FATALITIES
RESPONDING AGENCY PERSONNEL	0	0	0
OTHERS	0	0	0

VEHICLE MAKE/YEAR	VEHICLE LICENSE NO.	STATE	VEHICLE ID NO. (VIN)	ICC/DOT/PUC NO.	COMPANY NAME

L

REPORTING OFFICER NAME/ID NO. (PRINT OR TYPE)	DATE	COMMENTS ON BACK?
Dennis Byrne	2/22/90	✓YES ___NO

CODES

PROPERTY USE and SURROUNDING AREA TYPE			EXTENT OF RELEASE
100 Public assembly	700 Manufacturing	946 Lake/Pond/River	1 Confined to vehicle/equipment
200 Educational	762 Hazmat chem mfg	950 Railroad	3 Confined to room of origin
300 Health care	767 Petroleum refinery	961 Freeway	4 Confined to floor of origin
400 Residential	800 Storage	962 County/City road	5 Confined to structure of origin
500 Mercantile, Business	936 Vacant lot	963 Private road	6 Confined to property use of origin
600 Industrial, Utility	941 Open sea	099 Other - explain in comments section	7 Release beyond property use of origin
650 Agricultural	942 Harbor/Port		8 NO RELEASE
			9 Other - explain in comments

CONTAINER TYPE		LEVEL OF CONTAINER	CONTAINER MATERIAL
01 Tank	08 Sump/Pit/Pond	11 Ground Level	1 Iron and iron alloys
02 Drum/Barrel	09 Well	10 Above Ground	2 Aluminum and aluminum alloys
03 Cylinder	10 Machinery/Processing Equipment	40 Below Ground	3 Copper and copper alloys
04 Can/Bottle	11 Pipe		4 Plastic (includes fiberglass), rigid
05 Carboy	18 NO CONTAINER		5 Plastic, flexible
06 Boxes/Cartons	19 Other - explain in comments section		6 Wood, paper, and cellulose products
07 Bags			7 Glass
			8 NO CONTAINER
			9 Other - explain in comments
			0 Unknown

COMMENTS: crew installing sewer line encountered soil pocket contaminated with gasoline. Estimate 70 - 100 cubic yards of soil impacted contaminated pocket at a depth of 12-15' immediately below College Avenue. Contaminated soil to be excavated and transfered to a county yard for temporary storage while awaiting analytical evaluation of contaminant level

IMPORTANT INSTRUCTIONS

Incidents that involve the following shall not be reported:
1. Petroleum spills of less than 42 gallons from vehicular fuel tanks.
2. Sewage overflows.
3. Leaks in low-pressure fuel lines to residential properties.

CHANGE: If the information on a previously submitted form needs to be changed mark the CHANGE box and submit form with the correct information.

DELETE: If a certain report needs to be deleted from the database mark the DELETE box, complete sections **A, B, C,** and **L,** and submit form.

NOTE: *IF ALL SECTIONS CONTAINING SHADED BOXES [ ] ARE NOT COMPLETED, THE FORM WILL BE RETURNED FOR COMPLETION*

SECTION

- **A** OES Control No. is assigned when making phone notification to OES Warning Center. [Phone 1-800-852-7550 or (916) 427-4341].
- **B** Enter the date (month, day and year), notification and completion time of the incident (use 2400 hr clock). Enter completion date, if different from incident date.
- **D** Check the appropriate weather descriptor(s) at the time of the incident and indicate the approximate temperature in ° F. Enter property use and surrounding area code(s) as appropriate. Indicate the agency responsible for property management.
- **E** Check the item(s) that describe(s) the cause of the incident, the type of equipment involved in the incident, and the mobile property type, if any.
- **F** Check the item(s) that indicate(s) which action(s) you took as a responder to the incident.
- **G** List the chemical or the trade name(s) of the hazardous material(s) involved in the incident. Include information required in the boxes. Check the information in the box(es) that describe(s) the hazardous material. Use the appropriate codes for Extent of Release, Container Type, Level of Container, and Container Material.
- **H** If more than three (3) hazardous materials were involved check YES and enter the information in the comments section.
- **I** This section is used for special studies. The first three numbers are for your agency's use; the last three are for state use. Leave blank unless otherwise directed.
- **J** Check item(s) describing how the material was identified. Enter number of hazardous material casualties suffered by responding agency personnel and others (including the public) in spaces provided.
- **K** If vehicle/mobile property was involved in the incident, enter information about that vehicle.
- **L** Print your full name or your ID number and enter the date of report. Mark Yes or No to indicate whether there are additional comments.