ATT

March 13, 1990

Mr. Dennis J. Byrne
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Dept. of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

Subject: Workplan for Soil Remediation and Monitoring Well Installations for the Property at
5929 College Avenue
Oakland, CA 94618-1391
(Project No. 9126)

Aqua Terra Technologies
Consulting Engineers
& Scientists

2950 Buskirk Avenue
Suite 120
Walnut Creek, CA
94596
415 934-4884

Dear Mr. Byrne:

The following workplan for soil remediation and monitoring well installations for the property at 5929 College Avenue in Oakland, California is hereby submitted in accordance with the San Francisco Bay Region of the Regional Water Quality Control Board (RWQCB) Staff Recommendations for Initial Evaluation and Investigation of Underground Fuel Storage Tanks, California Leaking Underground Fuel Tank (LUFT) Task Force LUFT Field Manual (October, 1989) guidelines, California Department of Health Services (DHS) regulations as outlined in Title 22 and Title 23 of the California Code of Regulations (CCR), the requirements of the Alameda Health Care Services Agency (ACHCSA) (see letter dated January 22, 1990, Attachment A), and the guidelines of the Alameda County Water District (February, 1990 revision).

I. INTRODUCTION

A. Scope of Work

Aqua Terra Technologies, Inc. (ATT) intends to conduct an investigation to determine the areal extent of the potential impacts to soil and groundwater from underground fuel and waste oil storage tanks removed from the subject property in December, 1989. This investigation will involve the installation of three groundwater monitoring wells on the subject property. If groundwater quality indicates a contaminant plume, ATT will propose a soil boring investigation to determine the lateral and vertical extent of the contamination.

B. Site Location

The subject property is located in the western part of the City of Oakland at the northeast corner of the intersection of College Avenue and Chabot Road (a commercial retail area). The regional location for the site is shown on Plate 1 (Attachment B) and specific site features are shown on Plate 2 (Attachment B).

C. Background

Seven underground fuel and waste oil storage tanks were removed from the former Dreyer's Grand Ice Cream Oakland facility. The tanks were located in two areas: 1) the gasoline and diesel tanks were on the southeast corner of the facility and the waste oil tanks were located on the western part of the facility. The tanks, with subsequent sampling, were removed by Petroleum Engineering, Inc. in December, 1989. Laboratory analytical results showed that total petroleum hydrocarbon concentrations (TPH) as gasoline in soils were below 1,000 mg/Kg and that TPH as waste oil and grease were above 1,000 mg/Kg.

D. Site History

1. The subject property is currently unoccupied; it was the site for the Dreyer's Grand Ice Cream, Inc. Oakland facility. Buildings and concrete pavement have recently (as of February, 1990) been demolished and removed from the site. There are no operating above ground or underground fuel storage tanks currently on the subject property.

2. On December 13, 1989, Petroleum Engineering, Inc. removed one, 1,000 gallon and one, 8,000 gallon gasoline storage tank and two, 4,000 gallon underground diesel tanks from the southwest corner of the facility. Two, 1,000 gallon waste oil tanks were removed from the western part of the facility. Soil samples from the gasoline and diesel tank excavation were collected on December 14, 1989 by Pace Laboratories, Incorporated. Soil samples, from the waste oil tanks excavation, were collected on December 14, 1989.

Subsequent soil sample analyses by Pace Laboratories, Inc., from the bottom of the removed gasoline tank excavation, indicated that total petroleum hydrocarbon

(TPH) (as gasoline and diesel) concentrations were below the 1,000 parts per million (ppm) DHS and LUFT manual guidelines. Soil samples collected in the area of the removed waste oil tank showed TPH (as waste oil and grease) concentrations ranging to 5,915 mg/Kg.

Analytical chemical data for soil samples collected at the site during the tank excavation phase, are presented in Table 1 (Attachment C) and a copy of the certified laboratory report is presented in Attachment D.

An Underground Storage Tank Unauthorized Release (Leak/Contamination) Site Report will be filed by ATT.

3. On February 6, 1990, ATT in accordance with ACHCSA requirements (Attachment A), excavated between 80 to 100 cu yds of oil and grease contaminated soil from the former waste oil tanks excavation. Soil samples were collected by ATT personnel subsequent to soil excavation; samples were submitted to Anametrix Laboratories, Inc. of San Jose, California (Table 2, Attachment C and Attachment D). Chemical analyses indicated that the soil could be transported to a Class II-I landfill. Soil offhaul, in accordance with the appropriate regulations, was completed on February 20, 1990 (Attachment E).

4. On February 12, 1990, the onsite contractor cleaned the gasoline tank excavation by removing 400 to 450 cu yds of soil from the bottom of the excavation; this removal was required because the loose soil could not be properly compacted. The contractor noted a slight gasoline odor and notified ATT. Subsequent sampling by ATT showed that the average TPH gasoline concentration in the excavated soils was 170 mg/Kg (Table 3, Attachment C and Attachment D). On February 27, 1990, ATT initiated a soil aeration program with the approval of the BAAQMD; the ACHCSA and City of Oakland Fire Department (OFD) were notified on February 26, 1990 concerning the intended soil aeration.

The contaminated soils were spread out on 6 mil visqueen to be tilled once per day. Upon completion of the soil aeration, soils will be resampled, analyzed and removed to the appropriate landfill in accordance with the appropriate federal, state, and local regulations. As of this date, soil aeration is continuing until chemical

analyses indicate that the soils are below 100 mg/Kg TPH as gasoline.

II. SITE DESCRIPTION

A. Vicinity Description and Hydrogeological Setting

The subject property is in the Oakland Upland and Alluvial Plain which consists of alluvial fan deposits of clay, silt, and sand interbedded with coarser gravels. According to the Alameda County Flood Control and Water Conservation District (ACFCWCD), 1988, 205 (J) report: "Geohydrology and Groundwater - Quality Overview, East Bay Plain Area, Alameda County, California" the shallow, unconfined groundwater table may range from 35 to 45 feet below grade. The groundwater flow direction is toward the west, southwest.

B. Vicinity Map

The map showing the regional property location is shown on Plate 1 (Attachment B).

C. Site Specific Map

A map showing the specific site features is shown on Plate 2 (Attachment B).

D. Existing Soil Contamination and Excavation Results

ATT was not involved in the tank removal activities or in activities on the subject property prior to February, 1990; therefore, the following information is provided.

1. Sampling Procedures. No information is available to ATT on the protocol used concerning previously collected soil samples by Pace Laboratories, Inc. Samples collected and analyzed by Pace Laboratories, Inc. were accompanied by a chain of custody form (Attachment D). The protocol for soil samples collected by ATT personnel is given in Attachment E.

2. Depth to Groundwater. The maximum depth of the tank excavation was 10 to 15 feet below grade. A review of data from the ACFCWCD (1988) 205 (J) report indicates the shallow, unconfined groundwater table may range from 35 to 45 feet below grade.

3. Soil Profile Encountered. Site specific information is not available. The subject property soils in the former tank excavations are silty to sandy clay.

4. Sampling and Laboratory Data. Samples collected, from the former gasoline and diesel tank excavation, by Pace Laboratories, Inc. (a DHS certified analytical laboratory) were analyzed for TPH (gasoline) using EPA Method 8015, TPH (diesel) using EPA Method 3550/8015, and benzene, toluene, ethylbenzene, and xylene (BTEX) using EPA Method 8020. Samples collected, from the former waste oil and grease tank excavation, by Pace Laboratories, Inc., were analyzed for TPH (diesel) using EPA Method 3550/8015, Oil and Grease (EPA Method 503D&E) BTEX (EPA Method 8020), halogenated volatile organic compounds (VOCs) using EPA Method 8010, extractable organic compounds (EPA Method 8270 (GC/MS), and metals (cadmium, chromium, lead, and zinc). Pace Laboratories, Inc. analytical data is summarized in Table 1 (Attachment C); certified sample analytical sheets are in Attachment D.

Reexcavated soils from the waste oil tank excavation were sampled by ATT (Table 3, Attachment C) and analyzed in accordance with LUFT protocols which are listed in Table 4 (Attachment C). Certified sample analytical sheets are in Attachment D.

5. Underground Utilities. Underground utilities have been located by the onsite building contractor and therefore, should not pose a problem. Additional information for offsite utilities, surrounding the subject property, will be obtained from Underground Service Alert (USA).

6. Unusual Problems. No unusual problems have been noted on the subject property, and none are anticipated.

7. Contaminated Soil Storage and Disposal. Excavated soil from the waste oil tanks was stored at the site; the soil was placed on, and subsequently covered by, visqueen. Management plans for the soil included chemical analyses for TPH as waste oil and grease, transportation to and subsequent disposal at a Class II-I landfill facility (Attachment E).

8. Required Permits Obtained. A permit to remove the underground fuel storage and waste oil tanks was obtained by Petroleum Engineering, Inc. Approval was obtained by ATT, from the Bay Area Air Quality Management District (BAAQMD) to aerate the gasoline contaminated soils onsite. No other permits have been required. Groundwater monitoring well permits, from the Alameda County Water District (Zone 7), will be obtained prior to installation of the groundwater monitoring wells.

III. Plan for Determining Extent of On Site Soil Contamination.

A. Extent of Contamination Within the Excavations.

Approximately 208 tons of contaminated soil were excavated from the area of the former waste oil tanks. The soil was excavated on February 6, 1990; soil excavation, with the appropriate sample collection, was supervised by an ATT engineer. Soils were analyzed for waste oil protocol in accordance with the LUFT manual. Soil sample analytical results are given in Table 3 (Attachment C). Further excavation was conducted in the former tank pit because one soil sample indicated TPH as oil and grease concentration above 1,000 mg/Kg. Additional soils were excavated with a final pit sample indicating that TPH oil and grease concentrations were at 120 mg/Kg. The excavated soils were stockpiled with the other soils for disposal.

Soils removed from the former gasoline and diesel tank prior to backfill compaction are currently being aerated onsite in accordance with BAAQMD regulations; the ACHCSA and OFD were notified prior to commencement of the soil aeration.

B. Sampling Methods and Procedures for the Site.

1. Soil samples will be collected during the installation of groundwater monitoring wells; soil sample collection will be according to the protocol given in Attachment F. At least one groundwater monitoring well boring will be continuously logged and soil samples will be cooled with dry ice in accordance with Alameda County Water District Groundwater Monitoring guidelines (February, 1990 revision).

2. Soil sample analytical methods will follow the LUFT Manual (1989) and ACWD (1990) guidelines. Sample analytical methods and detection limits are given in Table 4 (Attachment C).

C. Onsite Soil Treatment.

Soils from the waste oil tank excavation were not treated onsite; these soils were offhauled to an appropriate designated landfill, in accordance with regulatory agency guidelines and the appropriate federal and state regulations. Approximately 208 tons of soil were transported to a Class II-I landfill.

Additional soils from the former gasoline tanks excavation were removed; these soils are currently being treated onsite by aeration. Approximately 400 to 450 tons of soil, with an average TPH gasoline concentration of 170 mg/Kg, were excavated, placed on 6 mil visqueen and are currently undergoing aeration in accordance with the Bay Area Air Quality Management District's (BAAQMD) Regulation 8, Rule 40 guidelines. Upon completion of aeration, the treated soils will be transported to the appropriate landfill in accordance with federal, state and local regulations.

D. Site Security Measures

The site is currently surrounded by a chain link fence with a gated entrance. Security is maintained by the onsite building contractor.

IV. PLAN FOR DETERMINING GROUNDWATER CONTAMINATION.

According to ACHCSA requirements (Attachment A), Dreyer's Grand Ice Cream, Inc. is to install three groundwater monitoring wells on the subject property to determine groundwater flow direction and soil and groundwater quality. Preliminary data from the ACFCWCD 205 (J) report, indicates that shallow groundwater flow is toward the west to slightly southwest.

ATT proposes to install two, four-inch diameter groundwater monitoring wells; both wells will be placed in the downgradient groundwater flow direction, within ten feet of the former tank excavations and within parameters imposed by architectural constraints. One, two-inch groundwater monitoring well will be placed in an

upgradient direction from the former tank pit excavations. Precise groundwater flow direction will be calculated from static water table measurements taken from the three groundwater monitoring wells.

Soil and groundwater sampling and well development protocols are given in Attachment F. Drilling procedures and monitoring well construction are provided in Attachment G.

C. Site Safety Plan.

A site safety plan for this investigation is presented in Attachment H.

ATT is submitting this work plan at the request of Mr. William C. Collett, Treasurer of Dreyer's Grand Ice Cream, Inc. of Lafayette, California. Please contact us if you have any questions or comments.

Sincerely,

AQUA TERRA TECHNOLOGIES, INC.

Terrance E. Carter
Senior Environmental Engineer

William E. Motzer, Ph.D.
Senior Hydrogeologist
California Registered Geologist # 4202
(Expires 6/30/90)

TEC/WEM:kmr
Attachments

cc: Mr. Lester Feldman, RWQCB
Mr. William C. Collett

ATTACHMENT A

Alameda County Health Care Services Agency Letter

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 not 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.

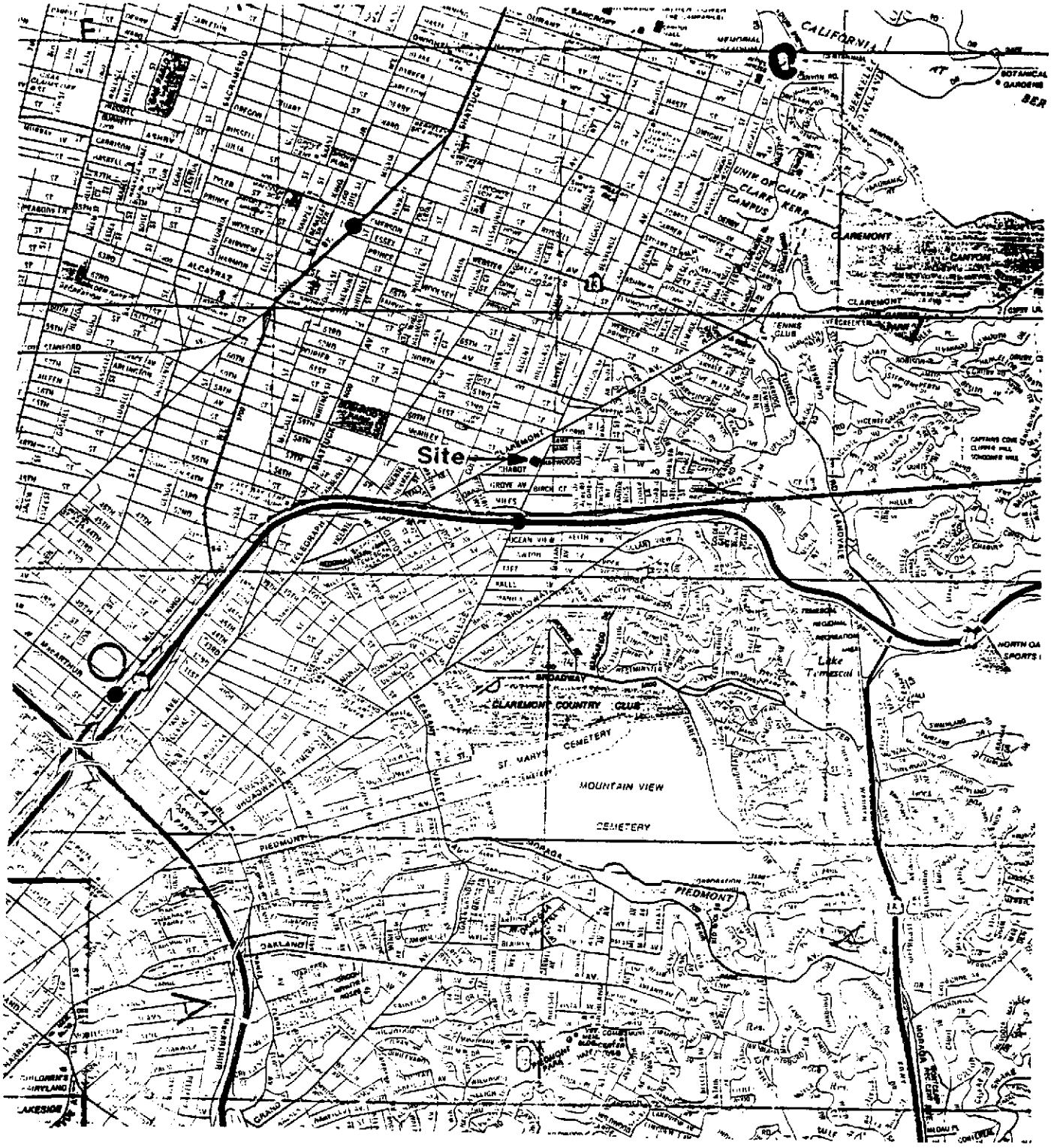
5) Three ground water monitoring wells will have to be installed to gauge whether or not ground water has been impacted by the soil contamination associated with these former tank locations and to define the ground water flow gradient. Should a contaminant plume be found in the soil or water, further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

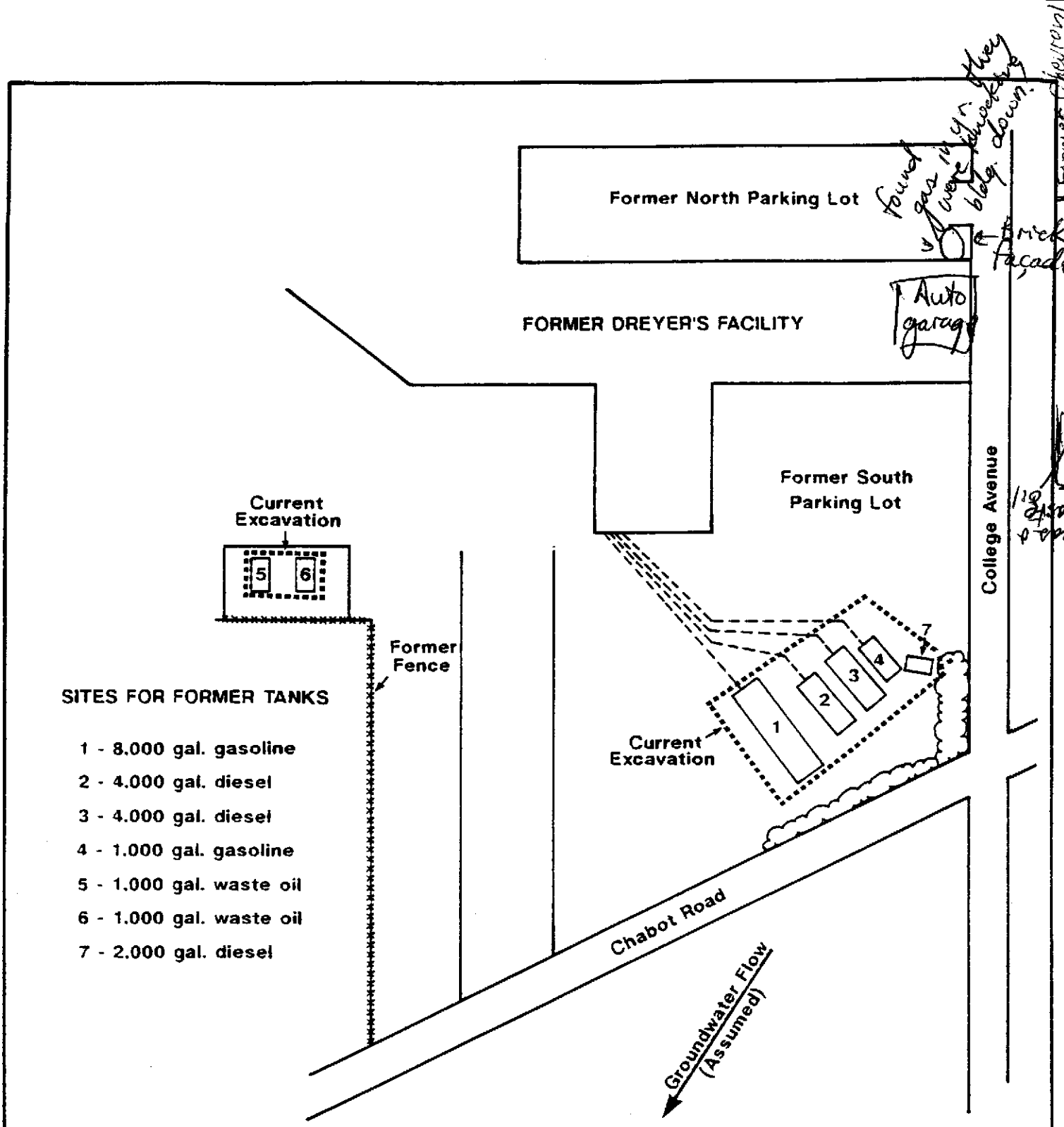


Property Location Map

ATT Aqua Terra Technologies
Consulting Engineers
& Scientists

Dreyer's Grand Ice Cream, Inc.

JOB NUMBER	DATE	PLATE
9126	3/90	1



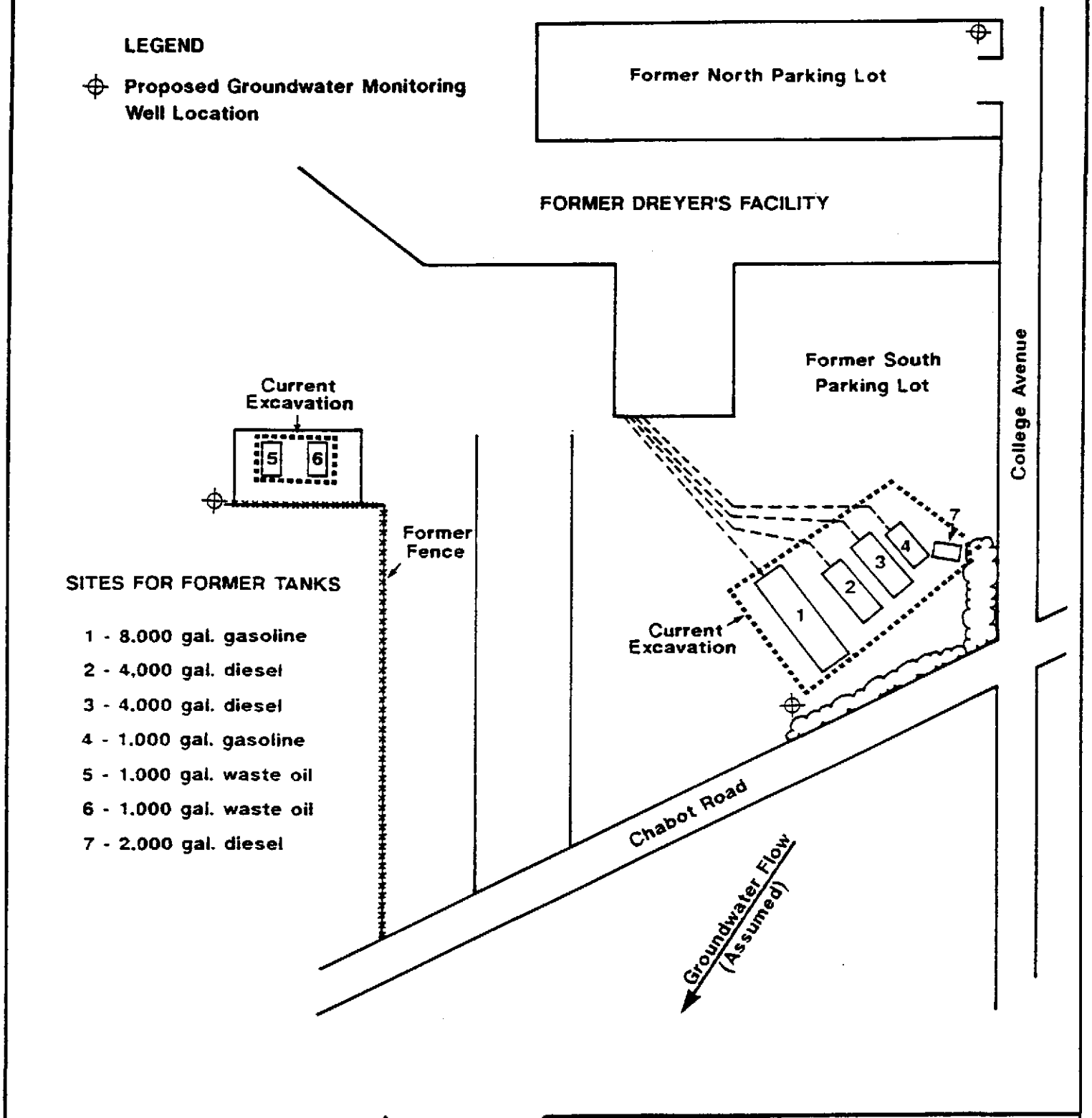
Note: Not to Scale

Facility and Former Tank Locations

ATT Aqua Terra Technologies Consulting Engineers & Scientists

Dreyer's Grand Ice Cream, Inc.

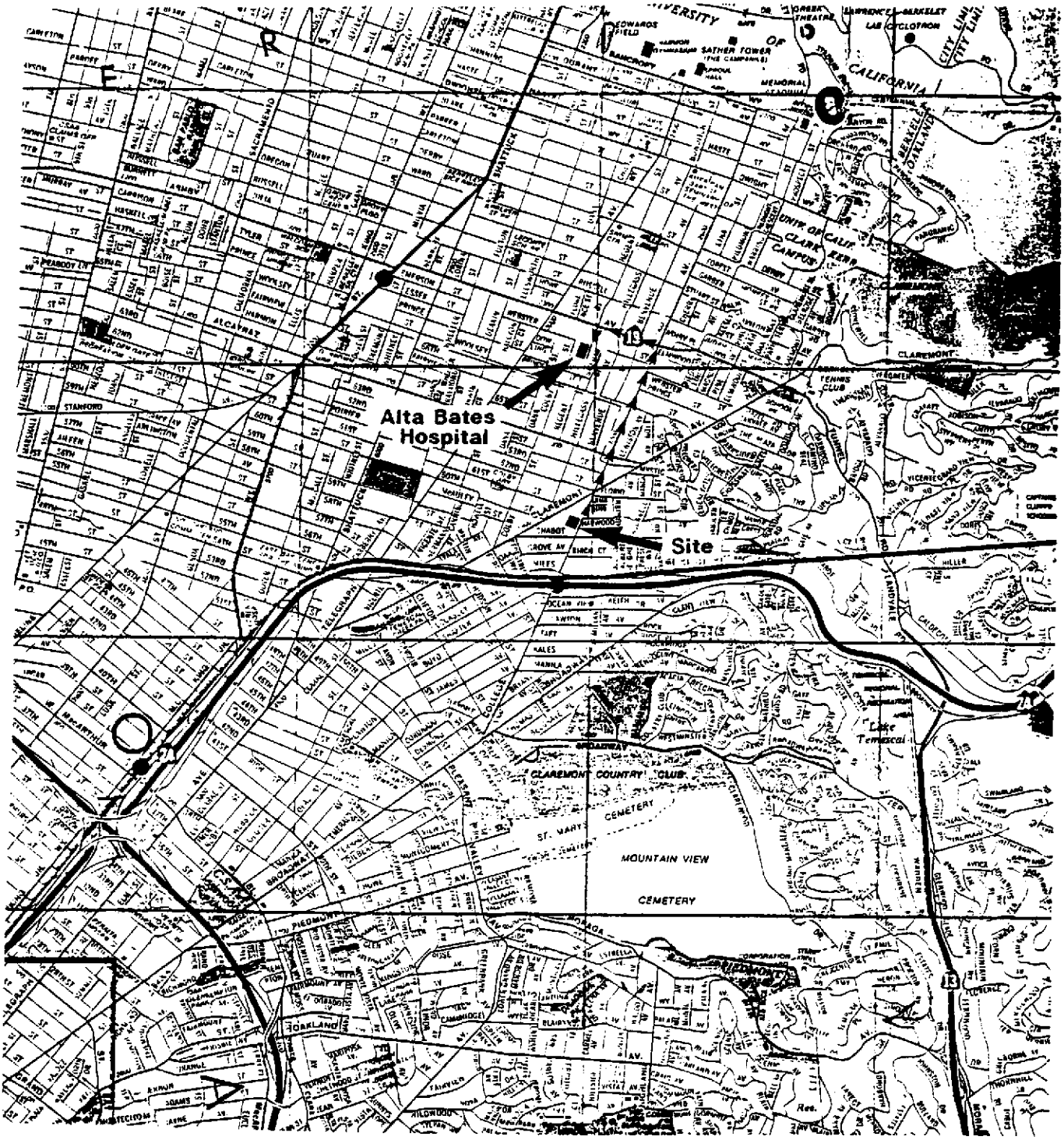
JOB NUMBER	DATE	PLATE
9126	2/90	2



Proposed Groundwater Monitoring Well Locations

ATT Aqua Terra Technologies Consulting Engineers & Scientists

Dreyer's Grand Ice Cream, Inc.		PLATE
JOB NUMBER	DATE	3
9126	3/90	



Route to Local Hospital

ATT Aqua Terra Technologies
Consulting Engineers
& Scientists

Dreyer's Grand Ice Cream, Inc.

JOB NUMBER	DATE
9126	3/90

ATTACHMENT
G-1

Table 1. Chemical Analyses[a] for Waste Oil Tank Excavation Soils
Former Dreyer's Grand Ice Cream Facility
Oakland, California

Sample Number	Sample Location	TPH Oil & Grease (mg/Kg)	TPH Diesel (mg/Kg)	B (mg/Kg)	E (mg/Kg)	T (mg/Kg)	X (mg/Kg)
1214-1	Waste Oil Excavation	5,915	370	<20	<20	<20	<20
1214-2	Waste Oil Excavation	150	ND	<10	<10	<10	<22
1214-3	Waste Oil Excavation	1,770	170	<2.0	<2.0	<2.0	5.5
1214-4	Waste Oil Excavation	5,625	1,800	<2.0	<2.0	<2.0	2.4
1214-5	Soil Stockpile	100	70	<1.0	<1.0	<1.0	<1.0
1214-6	Soil Stockpile	125	130	ND	0.005	0.022	0.038

a. Laboratory analyses by PACE Laboratories for samples collect on December 14, 1989 by Petroleum Engineering, Inc.

TPH = total petroleum hydrocarbons
B = benzene
E = ethylbenzene
T = toluene
X = total xylenes

Table 2. Chemical Analyses[a] for Waste Oil Tank Excavation Soils
Former Dreyer's Grand Ice Cream Facility
Oakland, California

Sample Number	Sample Location	TPH Oil & Grease (mg/Kg)	TPH Diesel (mg/Kg)	B (mg/Kg)	E (mg/Kg)	T (mg/Kg)	X (mg/Kg)
1213-1	Gasoline Tank	30	NR	<0.038	<0.038	0.043	0.16
1213-2	Gasoline Tank	40	NR	<0.038	0.15	0.045	0.16
1213-3	Diesel Tank	NR	17	<10	<10	<10	<10
1214-4	Diesel Tank	NR	350	<20	<20	<20	38
1214-5	Diesel Tank	NR	23	<20	<20	<20	<20
1214-6	Diesel Tank	NR	46	<2.5	<2.5	<2.5	<2.5
1214-7	Gasoline Tank	320	NR	1.3	5.1	4.1	21
1214-8	Gasoline Tank	190	NR	0.046	2.5	0.32	9.5

a. Laboratory analyses by PACE Laboratories from samples collected on December 13, 1989 by Petroleum Engineering, Inc.

NR = Not reported
TPH = total petroleum hydrocarbons
B = benzene
E = ethylbenzene
T = toluene
X = xylene

Table 3. Chemical Analyses for Waste Oil Excavated Soils
Former Dreyer's Grand Ice Cream Facility
Oakland, California

Sample Number	Sample Location	TPH (mg/Kg)[a] Total Oil & Grease	TPH (mg/Kg)[a] Diesel	TPH (mg/Kg)[b] Total Oil & Grease	TPH (mg/Kg)[b] Diesel
Pit 1	Waste Oil Tank Excavation	ND	ND	----	NA
Pit 2		ND	ND	----	NA
Pit 3 (Pit A)		2,400	ND	120	NA
A 25%		ND	ND	----	NA
B 25%		ND	ND	----	NA
C 25%		ND	ND	----	NA
D 25%		ND	ND	----	NA

a. Samples collected on February 6, 1990 after excavation of soils
b. Samples collected on February 21, 1990 after continued excavation of soils because of 2,400 mg/Kg in Pit 3 sample results

Table 4. Laboratory[a] Analytical Methods and Detection Limits
Dreyer's Grand Ice Cream, Inc.
Oakland, California

Matrix	TPH[b] Diesel	TPH[b] Gasoline	TPH[b] Oil & Grease	Hydrocarbons[b] B	T	E	X
Soil	GCFID (3550)	GCFID (5030)	5030&E	8020	8020	8020	8020
Detection Limit (mg/Kg)	1.0	-----	50.0	0.005	0.005	0.005	0.005
Water	GCFID (3510)	GCFID (5030)	5030&E	602	602	602	602
Detection Limit (mg/Kg)	50.0	-----	30.0	0.5	0.5	0.5	0.5

a. Sample analyses to be conducted by a California Departemtn of Health Services Certified Laboratory
b. TPH = total petroleum hydrocarbons
B = benzene
T = toluene
E = ethylbenzene
X = xylene

ATTACHMENT D

DHS Certical Laboratory Data

pace laboratories, inc.

REPORT OF LABORATORY ANALYSIS

Offices:
Minneapolis, Minnesota
Tampa, Florida
Coralville, Iowa
Novato, California
Leawood, Kansas
Irvine, California
Asheboro, North Carolina

JAN 13 REC'D

January 11, 1990

Mr. Robert Henry
Petroleum Engineering, Inc.
11 West 9th Street
Santa Rosa, CA 95401

RE: PACE Project No. 491214.601
Dryer Ice Cream

Dear Mr. Henry:

Enclosed is the report of laboratory analyses for samples received December 14, 1989.

If you have any questions concerning this report, please feel free to contact us.

Sincerely,

Stephen Nackord

Stephen F. Nackord
Director, Sampling and Analytical Services

Enclosures

pace laboratories, inc.

Offices:
Minneapolis, Minnesota
Tampa, Florida
Coralville, Iowa
Novato, California
Leawood, Kansas
Irvine, California
Asheboro, North Carolina

REPORT OF LABORATORY ANALYSIS

Petroleum Engineering, Inc.
11 West 9th Street
Santa Rosa, CA 95401

January 11, 1990
PACE Project
Number: 491214601

Attn: Mr. Robert Henry

Dryer Ice Cream

Parameter	Units	MDL	805650 12/14/89 12/14/89 1214-1 6'	805660 12/14/89 12/14/89 1214-2 6'	805670 12/14/89 12/14/89 1214-3 6'
PACE Sample Number:					
Date Collected:					
Date Received:					
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Cadmium	mg/kg wet	1	ND	ND	ND
Chromium	mg/kg wet	1	30	24	25
Lead	mg/kg wet	10	ND	ND	ND
Zinc	mg/kg wet	1	30	35	38
ORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Oil and Grease, Gravimetric (503D&E)	mg/kg wet	50	5915	150	1770
EXTRACTABLE FUELS EPA 3550/8015					
Extractable Fuels, as Diesel	mg/kg	10	370	ND	170
Sonication Extraction, Date Started			12/21/89	12/21/89	12/21/89
PURGEABLE AROMATIC COMPOUNDS, EPA 8020					
Benzene	mg/kg wet	0.005	LT 20	LT 10	LT 2.0
Ethylbenzene	mg/kg wet	0.005	LT 20	LT 10	LT 2.0
Toluene	mg/kg wet	0.005	LT 20	LT 10	LT 2.0
Xylenes, Total	mg/kg wet	0.005	LT 20	22	5.5
HALOGENATED VOLATILE COMPOUNDS EPA 8010					
Dichlorodifluoromethane	ug/kg	2000	LT500	LT2000	LT2000
Chloromethane	ug/kg	2000	LT500	LT2000	LT2000
Vinyl Chloride	ug/kg	2000	LT500	LT2000	LT2000
Bromomethane	ug/kg	2000	LT500	LT2000	LT2000
Chloroethane	ug/kg	2000	LT500	LT2000	LT2000
Trichlorofluoromethane	ug/kg	2000	LT500	LT2000	LT2000
1,1-Dichloroethene	ug/kg	500	LT500	LT500	LT500

MDL Method Detection Limit
ND Not detected at or above the MDL.
LT Less than.

pace laboratories, inc.

Offices:
Minneapolis, Minnesota
Tampa, Florida
Coralville, Iowa
Novato, California
Leawood, Kansas
Irvine, California
Asheboro, North Carolina

REPORT OF LABORATORY ANALYSIS

January 11, 1990
PACE Project Number: 491214601

Dryer Ice Cream

PACE Sample Number:			805650	805660	805670
Date Collected:			12/14/89	12/14/89	12/14/89
Date Received:			12/14/89	12/14/89	12/14/89
			1214-1	1214-2	1214-3
Parameter	Units	MDL	6'	6'	6'
ORGANIC ANALYSIS					
HALOGENATED VOLATILE COMPOUNDS EPA 8010					
Methylene Chloride	ug/kg	500	LT500	LT500	LT500
trans-1,2-Dichloroethene	ug/kg	500	LT500	LT500	LT500
1,1-Dichloroethane	ug/kg	500	LT500	LT500	LT500
Chloroform	ug/kg	500	LT500	LT500	LT500
1,1,1-Trichloroethane (TCA)	ug/kg	500	LT500	LT500	LT500
Carbon Tetrachloride	ug/kg	500	LT500	LT500	LT500
1,2-Dichloroethane (EDC)	ug/kg	500	LT500	680	LT500
Trichloroethene (TCE)	ug/kg	500	LT500	LT500	LT500
1,2-Dichloropropane	ug/kg	500	LT500	LT500	LT500
Bromodichloromethane	ug/kg	500	LT500	LT500	LT500
2-Chloroethylvinyl ether	ug/kg	500	LT500	LT500	LT500
trans-1,3-Dichloropropene	ug/kg	500	LT500	LT500	LT500
cis-1,3-Dichloropropene	ug/kg	500	LT500	LT500	LT500
1,1,2-Trichloroethane	ug/kg	500	LT500	LT500	LT500
Tetrachloroethene	ug/kg	500	LT500	LT500	LT500
Dibromochloromethane	ug/kg	500	LT500	LT500	LT500
Chlorobenzene	ug/kg	500	LT500	LT500	LT500
Bromoform	ug/kg	500	LT500	LT500	LT500
1,1,2,2-Tetrachloroethane	ug/kg	500	LT500	LT500	LT500
1,3-Dichlorobenzene	ug/kg	500	LT500	LT500	LT500
1,4-Dichlorobenzene	ug/kg	500	LT500	LT500	LT500
1,2-Dichlorobenzene	ug/kg	500	LT500	LT500	LT500
Bromochloromethane (Surrogate Recovery)			93%	112%	84%
1,4-Dichlorobutane (Surrogate Recovery)			95%	107%	91%
EXTRACTABLE ORGANICS BY EPA 8270 (GC/MS)					
N-Nitrosodimethylamine	ug/kg	300	ND	ND	ND
Aniline	ug/kg	300	ND	ND	ND

MDL Method Detection Limit
LT Less than.
ND Not detected at or above the MDL.

pace laboratories, inc.

Offices:
Minneapolis, Minnesota
Tampa, Florida
Coralville, Iowa
Novato, California
Leawood, Kansas
Irvine, California
Asheboro, North Carolina

REPORT OF LABORATORY ANALYSIS

January 11, 1990
PACE Project Number: 491214601

Dryer Ice Cream

PACE Sample Number:			805650	805660	805670
Date Collected:			12/14/89	12/14/89	12/14/89
Date Received:			12/14/89	12/14/89	12/14/89
			1214-1	1214-2	1214-3
Parameter	Units	MDL	6'	6'	6'
ORGANIC ANALYSIS					
EXTRACTABLE ORGANICS BY EPA 8270 (GC/MS)					
Bis(2-chloroethyl) ether	ug/kg	300	ND	ND	ND
1,3-Dichlorobenzene	ug/kg	300	ND	ND	ND
Benzyl Alcohol	ug/kg	300	ND	ND	ND
1,4-Dichlorobenzene	ug/kg	300	ND	ND	ND
1,2-Dichlorobenzene	ug/kg	300	ND	ND	ND
Bis(2-chloroisopropyl) ether	ug/kg	300	ND	ND	ND
N-Nitrosodipropylamine	ug/kg	300	ND	ND	ND
Hexachloroethane	ug/kg	300	ND	ND	ND
Nitrobenzene	ug/kg	300	ND	ND	ND
Isophorone	ug/kg	300	ND	ND	ND
Bis(2-chloroethoxy)methane	ug/kg	300	ND	ND	ND
1,2,4-Trichlorobenzene	ug/kg	300	ND	ND	ND
Naphthalene	ug/kg	300	3020	25600	12800
4-Chloroaniline	ug/kg	300	ND	ND	ND
Hexachlorobutadiene	ug/kg	300	ND	ND	ND
2-Methylnaphthalene	ug/kg	300	5700	22300	13300
Hexachlorocyclopentadiene	ug/kg	300	ND	ND	ND
2-Chloronaphthalene	ug/kg	300	ND	ND	ND
2-Nitroaniline	ug/kg	1500	ND	ND	ND
Dimethylphthalate	ug/kg	300	ND	ND	ND
Acenaphthylene	ug/kg	300	ND	ND	ND
2,6-Dinitrotoluene	ug/kg	300	ND	ND	ND
3-Nitroaniline	ug/kg	1500	ND	ND	ND
Acenaphthene	ug/kg	300	ND	ND	ND
Dibenzofuran	ug/kg	300	ND	326	ND
2,4-Dinitrotoluene	ug/kg	300	ND	ND	ND
Diethylphthalate	ug/kg	300	ND	ND	ND
Fluorene	ug/kg	300	1260	962	ND

MDL Method Detection Limit
ND Not detected at or above the MDL.

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Dryer Ice Cream

Parameter	Units	MDL	805650 12/14/89 12/14/89 1214-1 6'	805660 12/14/89 12/14/89 1214-2 6'	805670 12/14/89 12/14/89 1214-3 6'
PACE Sample Number:					
Date Collected:					
Date Received:					
ORGANIC ANALYSIS					
EXTRACTABLE ORGANICS BY EPA 8270 (GC/MS)					
4-Nitroaniline	ug/kg	1500	ND	ND	ND
4-Chlorophenylphenylether	ug/kg	300	ND	ND	ND
N-Nitrosodiphenylamine	ug/kg	300	ND	ND	ND
1,2-Diphenylhydrazine	ug/kg	300	ND	ND	ND
4-Bromophenylphenylether	ug/kg	300	ND	ND	ND
Hexachlorobenzene	ug/kg	300	ND	ND	ND
Phenanthrene	ug/kg	300	1940	1530	513
Anthracene	ug/kg	300	ND	ND	ND
Di-n-butylphthalate	ug/kg	300	ND	ND	ND
Fluoranthene	ug/kg	300	ND	ND	ND
Benzidine	ug/kg	1500	ND	ND	ND
Pyrene	ug/kg	300	418	ND	ND
Butylbenzylphthalate	ug/kg	300	ND	ND	ND
Benzo(a)anthracene	ug/kg	300	ND	ND	ND
3,3'-Dichlorobenzidine	ug/kg	600	ND	ND	ND
Chrysene	ug/kg	300	ND	ND	ND
Bis(2-ethylhexyl)phthalate	ug/kg	300	ND	ND	1970
Di-n-octylphthalate	ug/kg	300	ND	ND	ND
Benzo(b)fluoranthene	ug/kg	300	ND	ND	ND
Benzo(k)fluoranthene	ug/kg	300	ND	ND	ND
Benzo(a)pyrene	ug/kg	300	ND	ND	ND
Ideno(1,2,3-cd)pyrene	ug/kg	300	ND	ND	ND
Dibenzo(a,h)anthracene	ug/kg	300	ND	ND	ND
Benzo(g,h,i)perylene	ug/kg	300	ND	ND	ND
Phenol	ug/kg	300	ND	ND	ND
2-Chlorophenol	ug/kg	300	ND	ND	ND
2-Methylphenol	ug/kg	300	ND	ND	ND
4-Methylphenol	ug/kg	300	ND	ND	ND

MDL Method Detection Limit
ND Not detected at or above the MDL.

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Dryer Ice Cream

Parameter	Units	MDL	805650 12/14/89 12/14/89 1214-1 6'	805660 12/14/89 12/14/89 1214-2 6'	805670 12/14/89 12/14/89 1214-3 6'
PACE Sample Number:					
Date Collected:					
Date Received:					
ORGANIC ANALYSIS					
EXTRACTABLE ORGANICS BY EPA 8270 (GC/MS)					
2-Nitrophenol	ug/kg	300	ND	ND	ND
2,4-Dimethylphenol	ug/kg	300	ND	ND	ND
Benzoic Acid	ug/kg	1500	ND	ND	ND
2,4-Dichlorophenol	ug/kg	300	ND	ND	ND
4-Chloro-3-methylphenol	ug/kg	300	ND	ND	ND
2,4,6-Trichlorophenol	ug/kg	300	ND	ND	ND
2,4,5-Trichlorophenol	ug/kg	300	ND	ND	ND
2,4-Dinitrophenol	ug/kg	1500	ND	ND	ND
4-Nitrophenol	ug/kg	1500	ND	ND	ND
2-Methyl-4,6-dinitrophenol	ug/kg	1500	ND	ND	ND
Pentachlorophenol	ug/kg	300	ND	ND	ND
alpha-BHC	ug/kg	300	ND	ND	ND
beta-BHC	ug/kg	300	ND	ND	ND
gamma-BHC	ug/kg	300	ND	ND	ND
delta-BHC	ug/kg	300	ND	ND	ND
Heptachlor	ug/kg	300	ND	ND	ND
Aldrin	ug/kg	300	ND	ND	ND
Heptachlor Epoxide	ug/kg	300	ND	ND	ND
Endosulfan I	ug/kg	300	ND	ND	ND
4,4'-DDE	ug/kg	1500	ND	ND	ND
Dieldrin	ug/kg	300	ND	ND	ND
Endrin	ug/kg	300	ND	ND	ND
Endosulfan II	ug/kg	300	ND	ND	ND
4,4'-DDD	ug/kg	300	ND	ND	ND
Endrin Aldehyde	ug/kg	1500	ND	ND	ND
4,4'-DDT	ug/kg	300	ND	ND	ND
Endosulfan Sulfate	ug/kg	1500	ND	ND	ND
Aroclor-1016	ug/kg	3000	ND	ND	ND

MDL Method Detection Limit
ND Not detected at or above the MDL.

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Dryer Ice Cream

PACE Sample Number:			805650	805660	805670
Date Collected:			12/14/89	12/14/89	12/14/89
Date Received:			12/14/89	12/14/89	12/14/89
			1214-1	1214-2	1214-3
Parameter	Units	MDL	6'	6'	6'
ORGANIC ANALYSIS					
EXTRACTABLE ORGANICS BY EPA 8270 (GC/MS)					
Aroclor-1221	ug/kg	3000	ND	ND	ND
Aroclor-1232	ug/kg	3000	ND	ND	ND
Aroclor-1242	ug/kg	3000	ND	ND	ND
Aroclor-1248	ug/kg	3000	ND	ND	ND
Aroclor-1254	ug/kg	3000	ND	ND	ND
Aroclor-1260	ug/kg	3000	ND	ND	ND
Nitrobenzene-d5 (Surrogate Recovery)			140%	89%	63%
2-Fluorobiphenyl (Surrogate Recovery)			123%	113%	89%
Terphenyl-d14 (Surrogate Recovery)			155%	97%	77%
2-Fluorophenol (Surrogate Recovery)			103%	118%	79%
Phenol-d5 (Surrogate Recovery)			105%	69%	64%
2,4,6-Tribromophenol (Surrogate Recovery)			97%	85%	56%
Date Extracted for GCMS Semi-volatiles			12/21/89	12/21/89	12/21/89

MDL Method Detection Limit
ND Not detected at or above the MDL.

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PACE Project
Number: 491214601

Dryer Ice Cream

Parameter	Units	MDL	805680	805690	805700
PACE Sample Number:			805680	805690	805700
Date Collected:			12/14/89	12/14/89	12/14/89
Date Received:			12/14/89	12/14/89	12/14/89
			1214-4	1214-5	1214-6
			6'	Stockpile	Stockpile
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Cadmium	mg/kg wet	1	ND	ND	ND
Chromium	mg/kg wet	1	33	36	39
Lead	mg/kg wet	10	ND	18	54
Zinc	mg/kg wet	1	61	83	130
ORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Oil and Grease, Gravimetric (503D&E)	mg/kg wet	50	5625	100	125
EXTRACTABLE FUELS EPA 3550/8015					
Extractable Fuels, as Diesel	mg/kg	10	1800	70	130
Sonication Extraction, Date Started			12/21/89	12/21/89	12/21/89
PURGEABLE AROMATIC COMPOUNDS, EPA 8020					
Benzene	mg/kg wet	0.005	LT 2.0	LT 1.0	ND
Ethylbenzene	mg/kg wet	0.005	LT 2.0	LT 1.0	0.006
Toluene	mg/kg wet	0.005	LT 2.0	LT 1.0	0.022
Xylenes, Total	mg/kg wet	0.005	2.4	LT 1.0	0.038
HALOGENATED VOLATILE COMPOUNDS EPA 8010					
Dichlorodifluoromethane	ug/kg	20	-	-	LT2000
Dichlorodifluoromethane	ug/kg	2000	LT2000	-	-
Dichlorodifluoromethane	ug/kg	400	-	LT400	-
Chloromethane	ug/kg	20	-	-	LT2000
Chloromethane	ug/kg	2000	LT2000	-	-
Chloromethane	ug/kg	400	-	LT400	-
Vinyl Chloride	ug/kg	20	-	-	LT2000
Vinyl Chloride	ug/kg	2000	LT2000	-	-
Vinyl Chloride	ug/kg	400	-	LT400	-

MDL Method Detection Limit
ND Not detected at or above the MDL.
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Dryer Ice Cream

PACE Sample Number:			805680	805690	805700
Date Collected:			12/14/89	12/14/89	12/14/89
Date Received:			12/14/89	12/14/89	12/14/89
			1214-4	1214-5	1214-6
Parameter	Units	MDL	6'	Stockpile	Stockpile
ORGANIC ANALYSIS					
HALOGENATED VOLATILE COMPOUNDS EPA 8010					
Bromomethane	ug/kg	20	-	-	LT2000
Bromomethane	ug/kg	2000	LT2000	-	-
Bromomethane	ug/kg	400	-	LT400	-
Chloroethane	ug/kg	20	-	-	LT2000
Chloroethane	ug/kg	2000	LT2000	-	-
Chloroethane	ug/kg	400	-	LT400	-
Trichlorofluoromethane	ug/kg	20	-	-	LT2000
Trichlorofluoromethane	ug/kg	2000	LT2000	-	-
Trichlorofluoromethane	ug/kg	400	-	LT400	-
1,1-Dichloroethene	ug/kg	100	-	LT100	-
1,1-Dichloroethene	ug/kg	5.0	-	-	LT500
1,1-Dichloroethene	ug/kg	500	LT500	-	-
Methylene Chloride	ug/kg	100	-	LT100	-
Methylene Chloride	ug/kg	5.0	-	-	LT500
Methylene Chloride	ug/kg	500	LT500	-	-
trans-1,2-Dichloroethene	ug/kg	100	-	LT100	-
trans-1,2-Dichloroethene	ug/kg	5.0	-	-	LT500
trans-1,2-Dichloroethene	ug/kg	500	LT500	-	-
1,1-Dichloroethane	ug/kg	100	-	LT100	-
1,1-Dichloroethane	ug/kg	5.0	-	-	LT500
1,1-Dichloroethane	ug/kg	500	LT500	-	-
Chloroform	ug/kg	100	-	LT100	-
Chloroform	ug/kg	5.0	-	-	LT500
Chloroform	ug/kg	500	LT500	-	-
1,1,1-Trichloroethane (TCA)	ug/kg	100	-	LT100	-
1,1,1-Trichloroethane (TCA)	ug/kg	5.0	-	-	LT500
1,1,1-Trichloroethane (TCA)	ug/kg	500	LT500	-	-
Carbon Tetrachloride	ug/kg	100	-	LT100	-

MDL Method Detection Limit
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Dryer Ice Cream

PACE Sample Number:			805680	805690	805700
Date Collected:			12/14/89	12/14/89	12/14/89
Date Received:			12/14/89	12/14/89	12/14/89
			1214-4	1214-5	1214-6
Parameter	Units	MDL	6'	Stockpile	Stockpile
ORGANIC ANALYSIS					
HALOGENATED VOLATILE COMPOUNDS EPA 8010					
Carbon Tetrachloride	ug/kg	5.0	-	-	LT500
Carbon Tetrachloride	ug/kg	500	LT500	-	-
1,2-Dichloroethane (EDC)	ug/kg	100	-	LT100	-
1,2-Dichloroethane (EDC)	ug/kg	5.0	-	-	LT500
1,2-Dichloroethane (EDC)	ug/kg	500	LT500	-	-
Trichloroethene (TCE)	ug/kg	100	-	LT100	-
Trichloroethene (TCE)	ug/kg	5.0	-	-	LT500
Trichloroethene (TCE)	ug/kg	500	LT500	-	-
1,2-Dichloropropane	ug/kg	100	-	LT100	-
1,2-Dichloropropane	ug/kg	5.0	-	-	LT500
1,2-Dichloropropane	ug/kg	500	LT500	-	-
Bromodichloromethane	ug/kg	100	-	LT100	-
Bromodichloromethane	ug/kg	5.0	-	-	LT500
Bromodichloromethane	ug/kg	500	LT500	-	-
2-Chloroethylvinyl ether	ug/kg	100	-	LT100	-
2-Chloroethylvinyl ether	ug/kg	5.0	-	-	LT500
2-Chloroethylvinyl ether	ug/kg	500	LT500	-	-
trans-1,3-Dichloropropene	ug/kg	100	-	LT100	-
trans-1,3-Dichloropropene	ug/kg	5.0	-	-	LT500
trans-1,3-Dichloropropene	ug/kg	500	LT500	-	-
cis-1,3-Dichloropropene	ug/kg	100	-	LT100	-
cis-1,3-Dichloropropene	ug/kg	5.0	-	-	LT500
cis-1,3-Dichloropropene	ug/kg	500	LT500	-	-
1,1,2-Trichloroethane	ug/kg	100	-	LT100	-
1,1,2-Trichloroethane	ug/kg	5.0	-	-	LT500
1,1,2-Trichloroethane	ug/kg	500	LT500	-	-
Tetrachloroethene	ug/kg	100	-	LT100	-
Tetrachloroethene	ug/kg	5.0	-	-	LT500

MDL Method Detection Limit
LT Less than.

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PACE Project Number: 491214601

Dryer Ice Cream

Parameter	Units	MDL	805680 6'	805690 Stockpile	805700 Stockpile
PACE Sample Number:			805680	805690	805700
Date Collected:			12/14/89	12/14/89	12/14/89
Date Received:			12/14/89	12/14/89	12/14/89
			1214-4	1214-5	1214-6
ORGANIC ANALYSIS					
HALOGENATED VOLATILE COMPOUNDS EPA 8010					
Tetrachloroethene	ug/kg	500	LT500	-	-
Dibromochloromethane	ug/kg	100	-	LT100	-
Dibromochloromethane	ug/kg	5.0	-	-	LT500
Dibromochloromethane	ug/kg	500	LT500	-	-
Chlorobenzene	ug/kg	100	-	LT100	-
Chlorobenzene	ug/kg	5.0	-	-	LT500
Chlorobenzene	ug/kg	500	LT500	-	-
Bromoform	ug/kg	100	-	LT100	-
Bromoform	ug/kg	5.0	-	-	LT500
Bromoform	ug/kg	500	LT500	-	-
1,1,2,2-Tetrachloroethane	ug/kg	100	-	LT100	-
1,1,2,2-Tetrachloroethane	ug/kg	5.0	-	-	LT500
1,1,2,2-Tetrachloroethane	ug/kg	500	LT500	-	-
1,3-Dichlorobenzene	ug/kg	100	-	LT100	-
1,3-Dichlorobenzene	ug/kg	5.0	-	-	LT500
1,3-Dichlorobenzene	ug/kg	500	LT500	-	-
1,4-Dichlorobenzene	ug/kg	100	-	LT100	-
1,4-Dichlorobenzene	ug/kg	5.0	-	-	LT500
1,4-Dichlorobenzene	ug/kg	500	LT500	-	-
1,2-Dichlorobenzene	ug/kg	100	-	LT100	-
1,2-Dichlorobenzene	ug/kg	5.0	-	-	LT500
1,2-Dichlorobenzene	ug/kg	500	LT500	-	-
Bromochloromethane (Surrogate Recovery)			-	98%	95%
Bromochloromethane (Surrogate Recovery)	ug/kg		94%	-	-
1,4-Dichlorobutane (Surrogate Recovery)			-	93%	92%
1,4-Dichlorobutane (Surrogate Recovery)	ug/kg		97%	-	-

MDL Method Detection Limit
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Dryer Ice Cream

PACE Sample Number:			805680	805690	805700
Date Collected:			12/14/89	12/14/89	12/14/89
Date Received:			12/14/89	12/14/89	12/14/89
			1214-4	1214-5	1214-6
Parameter	Units	MDL	6'	Stockpile	Stockpile
ORGANIC ANALYSIS					
EXTRACTABLE ORGANICS BY EPA 8270 (GC/MS)					
N-Nitrosodimethylamine	ug/kg	300	ND	ND	ND
Aniline	ug/kg	300	ND	ND	ND
Bis(2-chloroethyl) ether	ug/kg	300	ND	ND	ND
1,3-Dichlorobenzene	ug/kg	300	ND	ND	ND
Benzyl Alcohol	ug/kg	300	ND	ND	ND
1,4-Dichlorobenzene	ug/kg	300	ND	ND	ND
1,2-Dichlorobenzene	ug/kg	300	ND	ND	ND
Bis(2-chloroisopropyl) ether	ug/kg	300	ND	ND	ND
N-Nitrosodipropylamine	ug/kg	300	ND	ND	ND
Hexachloroethane	ug/kg	300	ND	ND	ND
Nitrobenzene	ug/kg	300	ND	ND	ND
Isophorone	ug/kg	300	ND	ND	ND
Bis(2-chloroethoxy)methane	ug/kg	300	ND	ND	ND
1,2,4-Trichlorobenzene	ug/kg	300	ND	ND	ND
Naphthalene	ug/kg	300	671	ND	ND
4-Chloroaniline	ug/kg	300	ND	ND	ND
Hexachlorobutadiene	ug/kg	300	ND	ND	ND
2-Methylnaphthalene	ug/kg	300	699	ND	ND
Hexachlorocyclopentadiene	ug/kg	300	ND	ND	ND
2-Chloronaphthalene	ug/kg	300	ND	ND	ND
2-Nitroaniline	ug/kg	1500	ND	ND	ND
Dimethylphthalate	ug/kg	300	ND	ND	ND
Acenaphthylene	ug/kg	300	ND	ND	ND
2,6-Dinitrotoluene	ug/kg	300	ND	ND	ND
3-Nitroaniline	ug/kg	1500	ND	ND	ND
Acenaphthene	ug/kg	300	ND	ND	ND
Dibenzofuran	ug/kg	300	ND	ND	ND
2,4-Dinitrotoluene	ug/kg	300	ND	ND	ND

MDL Method Detection Limit
ND Not detected at or above the MDL.

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PACE Project
Number: 491214601

Dryer Ice Cream

PACE Sample Number:			805680	805690	805700
Date Collected:			12/14/89	12/14/89	12/14/89
Date Received:			12/14/89	12/14/89	12/14/89
			1214-4	1214-5	1214-6
Parameter	Units	MDL	6'	Stockpile	Stockpile
ORGANIC ANALYSIS					
EXTRACTABLE ORGANICS BY EPA 8270 (GC/MS)					
Diethylphthalate	ug/kg	300	ND	ND	ND
Fluorene	ug/kg	300	ND	ND	ND
4-Nitroaniline	ug/kg	1500	ND	ND	ND
4-Chlorophenylphenylether	ug/kg	300	ND	ND	ND
N-Nitrosodiphenylamine	ug/kg	300	ND	ND	ND
1,2-Diphenylhydrazine	ug/kg	300	ND	ND	ND
4-Bromophenylphenylether	ug/kg	300	ND	ND	ND
Hexachlorobenzene	ug/kg	300	ND	ND	ND
Phenanthrene	ug/kg	300	ND	ND	ND
Anthracene	ug/kg	300	ND	ND	ND
Di-n-butylphthalate	ug/kg	300	ND	ND	ND
Fluoranthene	ug/kg	300	ND	ND	ND
Benzidine	ug/kg	1500	ND	ND	ND
Pyrene	ug/kg	300	ND	ND	ND
Butylbenzylphthalate	ug/kg	300	ND	ND	ND
Benzo(a)anthracene	ug/kg	300	ND	ND	ND
3,3'-Dichlorobenzidine	ug/kg	600	ND	ND	ND
Chrysene	ug/kg	300	ND	ND	ND
Bis(2-ethylhexyl)phthalate	ug/kg	300	1270	ND	ND
Di-n-octylphthalate	ug/kg	300	ND	ND	ND
Benzo(b)fluoranthene	ug/kg	300	ND	ND	ND
Benzo(k)fluoranthene	ug/kg	300	ND	ND	ND
Benzo(a)pyrene	ug/kg	300	ND	ND	ND
Ideno(1,2,3-cd)pyrene	ug/kg	300	ND	ND	ND
Dibenzo(a,h)anthracene	ug/kg	300	ND	ND	ND
Benzo(g,h,i)perylene	ug/kg	300	ND	ND	ND
Phenol	ug/kg	300	ND	ND	ND
2-Chlorophenol	ug/kg	300	ND	ND	ND

MDL Method Detection Limit
ND Not detected at or above the MDL.

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REPORT OF LABORATORY ANALYSIS

Mr. Robert Henry
Page 13

January 11, 1990
PACE Project
Number: 491214601

Dryer Ice Cream

PACE Sample Number:			805680	805690	805700
Date Collected:			12/14/89	12/14/89	12/14/89
Date Received:			12/14/89	12/14/89	12/14/89
			1214-4	1214-5	1214-6
Parameter	Units	MDL	6'	Stockpile	Stockpile
ORGANIC ANALYSIS					
EXTRACTABLE ORGANICS BY EPA 8270 (GC/MS)					
2-Methylphenol	ug/kg	300	ND	ND	ND
4-Methylphenol	ug/kg	300	ND	ND	ND
2-Nitrophenol	ug/kg	300	ND	ND	ND
2,4-Dimethylphenol	ug/kg	300	ND	ND	ND
Benzoic Acid	ug/kg	1500	ND	ND	ND
2,4-Dichlorophenol	ug/kg	300	ND	ND	ND
4-Chloro-3-methylphenol	ug/kg	300	ND	ND	ND
2,4,6-Trichlorophenol	ug/kg	300	ND	ND	ND
2,4,5-Trichlorophenol	ug/kg	300	ND	ND	ND
2,4-Dinitrophenol	ug/kg	1500	ND	ND	ND
4-Nitrophenol	ug/kg	1500	ND	ND	ND
2-Methyl-4,6-dinitrophenol	ug/kg	1500	ND	ND	ND
Pentachlorophenol	ug/kg	300	ND	ND	ND
alpha-BHC	ug/kg	300	ND	ND	ND
beta-BHC	ug/kg	300	ND	ND	ND
gamma-BHC	ug/kg	300	ND	ND	ND
delta-BHC	ug/kg	300	ND	ND	ND
Heptachlor	ug/kg	300	ND	ND	ND
Aldrin	ug/kg	300	ND	ND	ND
Heptachlor Epoxide	ug/kg	300	ND	ND	ND
Endosulfan I	ug/kg	300	ND	ND	ND
4,4'-DDE	ug/kg	1500	ND	ND	ND
Dieldrin	ug/kg	300	ND	ND	ND
Endrin	ug/kg	300	ND	ND	ND
Endosulfan II	ug/kg	300	ND	ND	ND
4,4'-DDD	ug/kg	300	ND	ND	ND
Endrin Aldehyde	ug/kg	1500	ND	ND	ND
4,4'-DDT	ug/kg	300	ND	ND	ND

MDL Method Detection Limit
ND Not detected at or above the MDL.

pace laboratories, inc.

Offices:
Minneapolis, Minnesota
Tampa, Florida
Coralville, Iowa
Novato, California
Leawood, Kansas
Irvine, California
Asheboro, North Carolina

REPORT OF LABORATORY ANALYSIS

Mr. Robert Henry
Page 14

January 11, 1990
PACE Project
Number: 491214601

Dryer Ice Cream

PACE Sample Number:			805680	805690	805700
Date Collected:			12/14/89	12/14/89	12/14/89
Date Received:			12/14/89	12/14/89	12/14/89
			1214-4	1214-5	1214-6
Parameter	Units	MDL	6'	Stockpile	Stockpile
ORGANIC ANALYSIS					
EXTRACTABLE ORGANICS BY EPA 8270 (GC/MS)					
Endosulfan Sulfate	ug/kg	1500	ND	ND	ND
Aroclor-1016	ug/kg	3000	ND	ND	ND
Aroclor-1221	ug/kg	3000	ND	ND	ND
Aroclor-1232	ug/kg	3000	ND	ND	ND
Aroclor-1242	ug/kg	3000	ND	ND	ND
Aroclor-1248	ug/kg	3000	ND	ND	ND
Aroclor-1254	ug/kg	3000	ND	ND	ND
Aroclor-1260	ug/kg	3000	ND	ND	ND
Nitrobenzene-d5 (Surrogate Recovery)			92%	91%	84%
2-Fluorobiphenyl (Surrogate Recovery)			94%	90%	94%
Terphenyl-d14 (Surrogate Recovery)			102%	95%	96%
2-Fluorophenol (Surrogate Recovery)			90%	87%	79%
Phenol-d5 (Surrogate Recovery)			87%	89%	82%
2,4,6-Tribromophenol(Surrogate Recovery)			87%	70%	76%
Date Extracted for GCMS Semi-volatiles			12/21/89	12/21/89	12/21/89

MDL Method Detection Limit
ND Not detected at or above the MDL.

pace laboratories, inc.

REPORT OF LABORATORY ANALYSIS

Offices:
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Leawood, Kansas
Irvine, California
Asheboro, North Carolina

Mr. Robert Henry
Page 15

January 11, 1990
PACE Project
Number: 491214601

Dryer Ice Cream

The data contained in this report were obtained using EPA or other approved methodologies. All analyses were performed by me or under my direct supervision.

Stephen Nackord
Director, Sampling and Analytical Services

Steve Mackord for
Douglas E. Oram, Ph.D.
Organic Chemistry Manager

pace laboratories, inc.

Offices:
Minneapolis, Minnesota
Tampa, Florida
Coralville, Iowa
Novato, California
Leawood, Kansas
Irvine, California
Asheboro, North Carolina

REPORT OF LABORATORY ANALYSIS

PACE Laboratories, Inc.

Laboratory Report Invoice

ROUTING

Project #: 491214601
Client #: 780631

____ DEO
____ SFN

Client Name: Petroleum Engineering, Inc.
11 West 9th Street
Santa Rosa, CA 95401

ATTN.: Mr. Robert Henry

Bill to #: _____

Samples Received: December 14, 1989.

Client Project #:

Purchase Order #: # 1783

Project Name: Dryer Ice Cream

Analysis Cost _____

_____

_____

_____

_____

_____

_____

Field Cost _____

_____

_____

502017010 Inorganic Cost _____

502017011 Organic Cost _____

502017015 Field Cost _____

TOTAL COST _____

Invoice #: _____ Date : _____

pace laboratories, inc.

NO. 2855

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Petroleum Engineering
Address: 11 W. Ninth St
Santa Rosa CA. 95401
Phone: (707) 545-0360

Report To: Robert Henry
Bill To: Petroleum Eng.
P.O. # / Billing Reference: # 1783
Project Name / No.: Dryer Ice Cream

Pace Client No. 780631
Pace Project Manager TSG
Pace Project No. 491214.601
*Requested Due Date: Std

Sampled By (PRINT): Donald Tokarski
Sampler Signature: Donald Tokarski
Date Sampled: 12-14-89

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA			ANALYSES REQUEST: TPH Heavy	TOG	BTX+E	8010	8270	Cd, Cr, Pb, ZN TTLC	J/3	REMARKS
1	1214-1		Soil	80565	1							X	X	X	X	X	X		6'
2	1214-2			566	1							X	X	X	X	X	X		6'
3	1214-3			567	1							X	X	X	X	X	X		6'
4	1214-4			568	1							X	X	X	X	X	X		6'
5	1214-5			569	1							X	X	X	X	X	X		stockpile
6	1214-6			80570	1							X	X	X	X	X	X		
7																			
8																			

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT/DATE	SHIPMENT METHOD RETURNED/DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
				1-6	Donald Tokarski Pace	J Sanderson	12/14/89	1630

Additional Comments
Time at Site
1330 to 1530
2 hrs
61 miles Time (35)
1.5 hr.

Request Copy
Frank Gray
Fire Insp. Oakland
Robert Byrne
Dennis
Haz mat. spec
Alameda

ORIGINAL

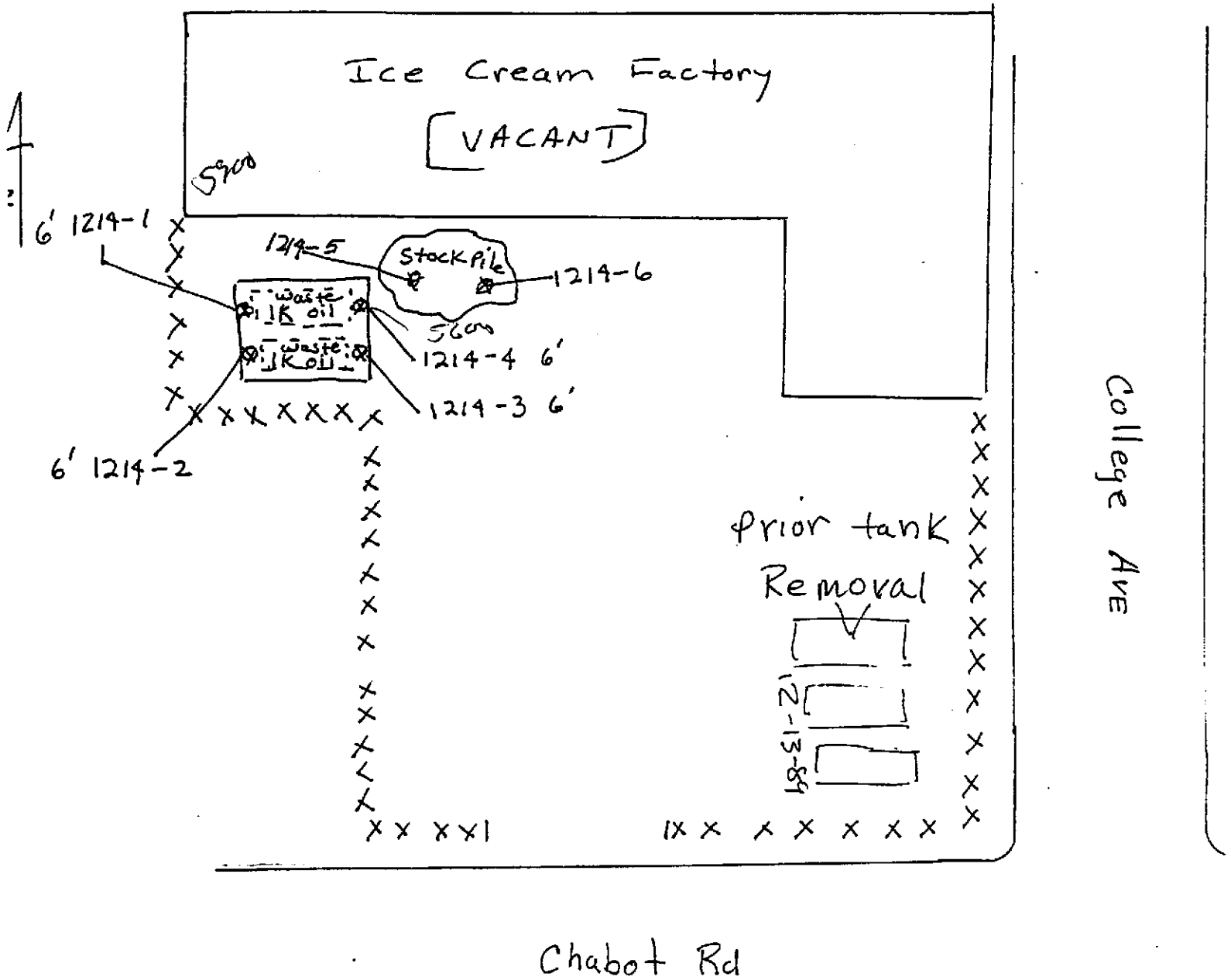
SEE REVERSE SIDE FOR INSTRUCTIONS

Petroleum Engineering

12-14-01

Dryer Ice Cream

491214.601



at site
1330 to 1530
2 hrs
61 miles
1.5 hs
Total 3.5 hRS

at site
Dennis Byrne
Haz. Mat Spec
Alameda
Frank Gray
Fire Insp.
City of Oakland
Robert Henry
Proj Manager
Petroleum Eng.

6' { 1214-1, 1214-2, 1214-3, 1214-4 } waste oil
sandy soil
hot - gray soil

Stockpile { 1214-5, 1214-6 } waste oil

pace laboratories, inc.

REPORT OF LABORATORY ANALYSIS

JAN 13 REC'D

Offices:
Minneapolis, Minnesota
Tampa, Florida
Coralville, Iowa
Novato, California
Leawood, Kansas
Irvine, California
Asheboro, North Carolina

January 11, 1990

Mr. Robert Henry
Petroleum Engineering, Inc.
11 West 9th Street
Santa Rosa, CA 95401

RE: PACE Project No. 491213.601
Dreyer's Ice Cream

Dear Mr. Henry:

Enclosed is the report of laboratory analyses for samples received December 13, 1989.

If you have any questions concerning this report, please feel free to contact us.

Sincerely,

Stephen Nackord

Stephen F. Nackord
Director, Sampling and Analytical Services

Enclosures

pace laboratories, inc.

Offices:
Minneapolis, Minnesota
Tampa, Florida
Coralville, Iowa
Novato, California
Leawood, Kansas
Irvine, California
Asheboro, North Carolina

REPORT OF LABORATORY ANALYSIS

Petroleum Engineering, Inc.
11 West 9th Street
Santa Rosa, CA 95401

January 11, 1990
PACE Project
Number: 491213601

Attn: Mr. Robert Henry

Dreyer's Ice Cream

PACE Sample Number:			805240	805250	805260
Date Collected:			12/13/89	12/13/89	12/13/89
Date Received:			12/13/89	12/13/89	12/13/89
Parameter	Units	MDL	1213-1	1213-2	1213-3
ORGANIC ANALYSIS					
PURGEABLE FUELS AND AROMATICS					
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	-	-
Purgeable Fuels, as Gasoline (EPA 8015)	mg/kg wet	1.0	30	40	-
PURGEABLE AROMATICS (BTXE BY EPA 8020):			-	-	-
Benzene	mg/kg wet	0.005	LT 0.038	LT 0.038	-
Ethylbenzene	mg/kg wet	0.005	LT 0.038	0.15	-
Toluene	mg/kg wet	0.005	0.043	0.045	-
Xylenes, Total	mg/kg wet	0.005	0.16	0.16	-
EXTRACTABLE FUELS EPA 3550/8015					
Extractable Fuels, as Diesel	mg/kg	10	-	-	17
Sonication Extraction, Date Started			-	-	12/21/89
PURGEABLE AROMATIC COMPOUNDS, EPA 8020					
Benzene	mg/kg wet	0.005	-	-	LT 10
Ethylbenzene	mg/kg wet	0.005	-	-	LT 10
Toluene	mg/kg wet	0.005	-	-	LT 10
Xylenes, Total	mg/kg wet	0.005	-	-	LT 10

MDL Method Detection Limit
LT Less than.

pace laboratories, inc.

Offices:
Minneapolis, Minnesota
Tampa, Florida
Coralville, Iowa
Novato, California
Leawood, Kansas
Irvine, California
Asheboro, North Carolina

REPORT OF LABORATORY ANALYSIS

January 11, 1990
PACE Project
Number: 491213601

Dreyer's Ice Cream

Parameter	Units	MDL	805270 12/13/89 12/13/89 1213-4	805280 12/13/89 12/13/89 1213-5	805290 12/13/89 12/13/89 1213-6
PACE Sample Number:					
Date Collected:					
Date Received:					
ORGANIC ANALYSIS					
EXTRACTABLE FUELS EPA 3550/8015					
Extractable Fuels, as Diesel	mg/kg	10	350	23	46
Sonication Extraction, Date Started			12/21/89	12/21/89	12/21/89
PURGEABLE AROMATIC COMPOUNDS, EPA 8020					
Benzene	mg/kg wet	0.005	LT 20	LT 20	LT 2.5
Ethylbenzene	mg/kg wet	0.005	LT 20	LT 20	LT 2.5
Toluene	mg/kg wet	0.005	LT 20	LT 20	LT 2.5
Xylenes, Total	mg/kg wet	0.005	38	LT 20	LT 2.5

MDL Method Detection Limit
LT Less than.

pace laboratories, inc.

Offices:
Minneapolis, Minnesota
Tampa, Florida
Coralville, Iowa
Novato, California
Leawood, Kansas
Irvine, California
Asheboro, North Carolina

REPORT OF LABORATORY ANALYSIS

Mr. Robert Henry
Page 3

January 11, 1990
PACE Project Number: 491213601

Dreyer's Ice Cream

PACE Sample Number:			805300	805310
Date Collected:			12/13/89	12/13/89
Date Received:			12/13/89	12/13/89
Parameter	Units	MDL	1213-7	1213-8
ORGANIC ANALYSIS				
PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	-
Purgeable Fuels, as Gasoline (EPA 8015)	mg/kg wet	1.0	320	190
PURGEABLE AROMATICS (BTXE BY EPA 8020):			-	-
Benzene	mg/kg wet	0.005	1.3	0.046
Ethylbenzene	mg/kg wet	0.005	5.1	2.5
Toluene	mg/kg wet	0.005	4.1	0.32
Xylenes, Total	mg/kg wet	0.005	21	9.5

MDL Method Detection Limit

The data contained in this report were obtained using EPA or other approved methodologies. All analyses were performed by me or under my direct supervision.

Douglas E. Oram, Ph.D.
Organic Chemistry Manager

pace laboratories, inc.

NO. 2852

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Petroleum Engineering
Address: 11 W. Ninth st
Santa Rosa CA. 95401
Phone: (707) 545-0360

Report To: Rob Henry
Bill To: Petroleum Engineering
P.O. # / Billing Reference
Project Name / No.: DRyers Ice Cream

Pace Client No. 780631
Pace Project Manager TSG
Pace Project No. 491213.601
*Requested Due Date: Std

Sampled By (PRINT): DONALD TOKARSKI
Sampler Signature: Donald Dokarski
Date Sampled: 12-13/89

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA			ANALYSES REQUEST: TPH BTXE Gas	TPH BTXE Diesel	REMARKS
1	1213-1		soil	80524	1							X		
2	1213-2			525	1							X		
3	1213-3			526	1								X	
4	1213-4			527	1								X	
5	1213-5			528	1								X	
6	1213-6			529	1								X	
7	1213-7			530	1							X		
8	1213-8			80531	1							X		

J/1

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT/DATE	SHIPMENT METHOD RETURNED/DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
1-8	Donald Dokarski Pace	J Sanderson	12/13/89	5:00pm

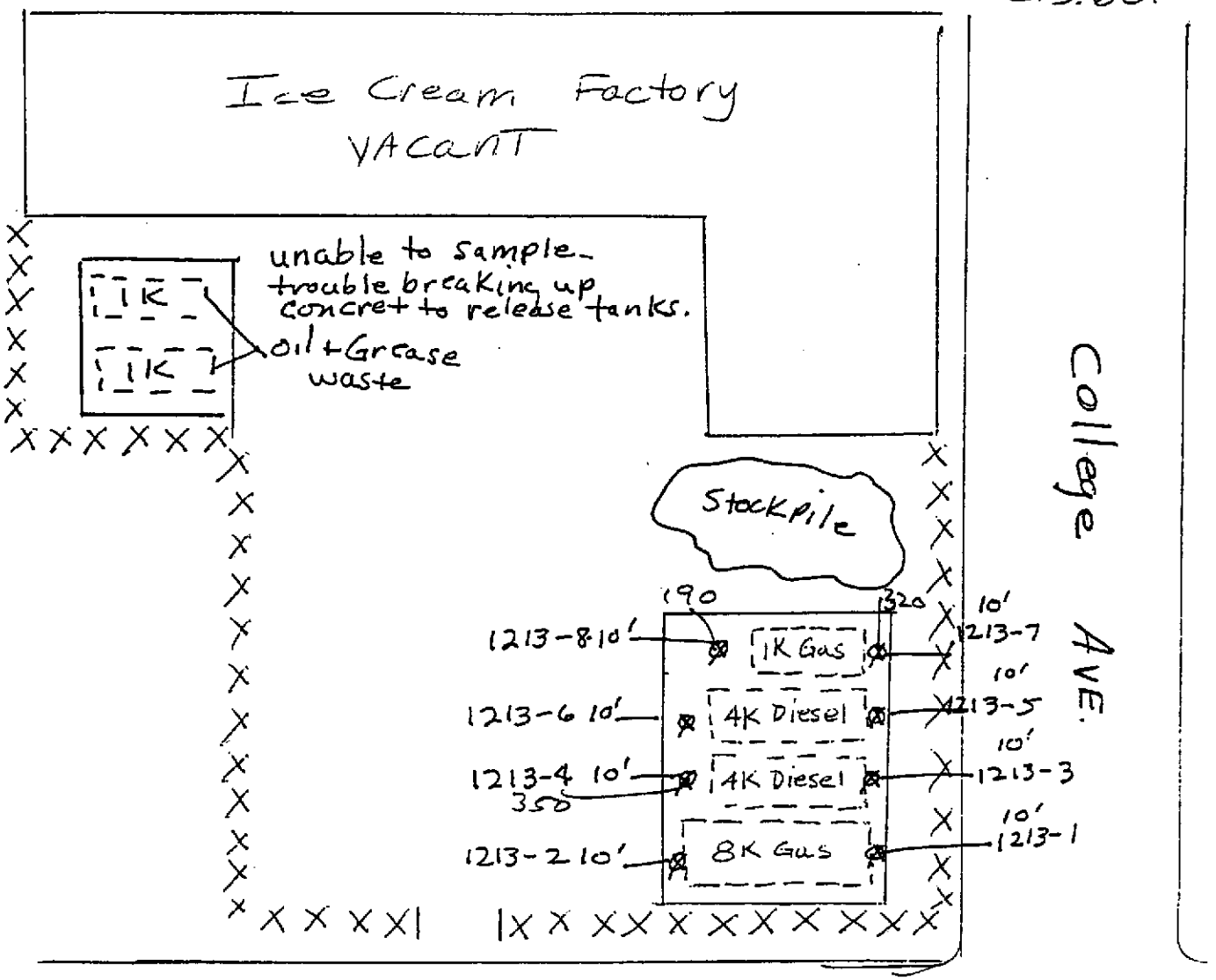
Additional Comments

Requested Lab ~~Results~~:
City of Oakland
Fire Inspector
~~Frank Gray~~
Alameda County
Dennis Byrne
Haz. Mat. Spec.

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

Petroleum Eng.
Dryers Ice Cream Factory
491213.601



Chabot Rd.

at site
10AM to 3:30PM
5.5 hrs
Travel time
1.5 hrs
60 miles

at site
Dennis Byrne
HAZ. Mat. Spec.
Alameda
Frank Gray
Fire Insp.
City of Oakland
Rob Henry
Proj. manager
Petroleum Eng

Gas { 1213-1 10'
1213-2
Diesel { 1213+3
1213-4 350
1213-5
1213-6
Gas { 1213-7
1213-8

Light gray clay mixed w/ soil & gravel

ANAMETRIX INC
Environmental & Analytical Chemistry
1961 Concourse Drive, Suite E, San Jose, CA 95131
(408) 432-8192 • Fax (408) 432-8198

REPORT

Terry Carter
Aqua Terra Technologies
2950 Buskirk Avenue
Suite 120
Walnut Creek, CA 94596

February 27, 1990
Anametrix W.O.#: 9002221
Date Received : 02/22/90
Project Number#: 9126

Dear Mr. Carter:

Your samples have been received for analysis. The REPORT SUMMARY shows which of the following reports have been included: RESULTS.

NOTE: Amounts reported are net values, i.e. corrected for method blank contamination.

If there is any more that we can do, please give us a call. Thank you for using ANAMETRIX, INC.

Sincerely,

Burt Sutherland

Burt Sutherland
Laboratory Director

BWS/dm

REPORT SUMMARY
ANAMETRIX, INC. (408) 432-8192

Client	: Aqua Terra Technologies	Anametrix W.O.#:	9002221
Address	: 2950 Buskirk Avenue	Date Received :	02/22/90
	Suite 120	Purchase Order#:	N/A
City	: Walnut Creek, CA 94596	Project No. :	9126
Attn.	: Terry Carter	Date Released :	02/27/90

Anametrix I.D.	Sample I.D.	Matrix	Date Sampled	Method	Date Extract	Date Analyzed	Inst I.D.
RESULTS							
9002221-01	PIT A	SOIL	02/14/90	503E	02/22/90	02/22/90	N/A
9002221-01	PIT A	SOIL	02/14/90	503D	02/22/90	02/22/90	N/A

ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: 9126 PIT A	Anametrix I.D.	: 9002221-01
Matrix	: SOIL	Analyst	: GG
Date sampled	: 02/14/90	Supervisor	: AP
Date anl.TPHg	: N/A	Date released	: 02/27/90
Date ext.TOGD	: 02/22/90	Date ext. TOGE	: 02/22/90
Date anl.TOGD	: 02/22/90	Date anl. TOGE	: 02/22/90

CAS #	Compound Name	Reporting Limit (ug/kg)	Amount Found (ug/kg)
	Total Oil & Grease (503E)	30000	120000
	Total Oil & Grease (503D)	30000	220000

TOG(E) - Total Oil & Grease is determined by Standard Method 503E.
TOG(D) - Total Oil & Grease is determined by Standard Method 503D.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANAMETRIX INC
Environmental & Analytical Chem
1961 Concourse Drive, San Jose, CA
(408) 432-8192 • Fax (408) 432-8198

REPORT

Terry Carter
Aqua Terra Technologies
2950 Buskirk Avenue
Suite 120
Walnut Creek, CA 94596

February 15, 1990
Anametrix W.O.#: 9002070
Date Received : 02/07/90
Project Number : 9126

Dear Mr. Carter:

Your samples have been received for analysis. The REPORT SUMMARY lists your sample identifications and the analytical methods you requested. The following sections are included in this report: RESULTS and QUALITY ASSURANCE.

NOTE: 1) Amounts reported are net values, i.e. corrected for method blank contamination.
2) The following footnotes are applicable to Methods 624/8240:

*	A Method 624 priority pollutant compound (Federal Register, 10/26/84)
**	A compound on the U.S. EPA CLP Hazardous Substance List (HSL)
#	An additional compound analyzed for by Anametrix, Inc.
ND:	Not detected at or above the practical quantitation limit for the method.

If there is any more that we can do, please give us a call. Thank you for using ANAMETRIX, INC.

Sincerely,

ANAMETRIX, INC.

Sarah Schoen

Sarah Schoen, Ph.D.
Laboratory Manager

SRS/dmt

ANAMETRIX INC
Environmental & Analytical Chemistry
1961 Concourse Drive, Suite E, San [illegible]
(408) 432-8192 • Fax (408) 432-8198

REPORT

Terry Carter
Aqua Terra Technologies
2950 Buskirk Avenue
Suite 120
Walnut Creek, CA 94596

February 15, 1990
Anametrix W.O.#: 9002070
Date Received : 02/07/90
Project Number : 9126

Dear Mr. Carter:

Your samples have been received for analysis. The REPORT SUMMARY lists your sample identifications and the analytical methods you requested. The following sections are included in this report: RESULTS and QUALITY ASSURANCE.

NOTE: 1) Amounts reported are net values, i.e. corrected for method blank contamination.
2) The following footnotes are applicable to Methods 624/8240:

*	A Method 624 priority pollutant compound (Federal Register, 10/26/84)
**	A compound on the U.S. EPA CLP Hazardous Substance List (HSL)
#	An additional compound analyzed for by Anametrix, Inc.
ND:	Not detected at or above the practical quantitation limit for the method.

If there is any more that we can do, please give us a call. Thank you for using ANAMETRIX, INC.

Sincerely,

ANAMETRIX, INC.

Sarah Schoen

Sarah Schoen, Ph.D.
Laboratory Manager

SRS/dmt

REPORT SUMMARY
ANAMETRIX, INC. (408) 432-8192

Client : Aqua Terra Technologies
Address : 2950 Buskirk Avenue
Suite 120
City : Walnut Creek, CA 94596
Attn. : Terry Carter

Anametrix W.O.#: 9002070
Date Received : 02/07/90
Purchase Order#: N/A
Project No. : 9126
Date Released : 02/15/90

Anametrix I.D.	Sample I.D.	Matrix	Date Sampled	Method	Date Extract	Date Analyzed	Inst I.D.
RESULTS							
9002070-01	PIT 1	SOIL	02/06/90	8240		02/14/90	F1
9002070-02	PIT 2	SOIL	02/06/90	8240		02/14/90	F1
9002070-03	PIT 3	SOIL	02/06/90	8240		02/14/90	F1
9002070-04	A 25%	SOIL	02/06/90	8240		02/14/90	F1
9002070-05	B 25%	SOIL	02/06/90	8240		02/14/90	F1
9002070-06	C 25%	SOIL	02/06/90	8240		02/14/90	F1
9002070-07	D 25%	SOIL	02/06/90	8240		02/14/90	F1
QUALITY ASSURANCE (QA)							
1CB0214V00	METHOD BLANK	SOIL	N/A	8240		02/14/90	F1
9002070-03	PIT 3	SOIL	02/06/90	SPIKE		02/14/90	F1

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 9126 PIT 1
Matrix : SOIL
Date sampled : 02/06/90
Date analyzed: 02/14/90
Dilut. factor: NONE

Anametrix I.D. : 9002070-01
Analyst : [illegible]
Supervisor : PG
Date released : 02/15/90
Instrument ID : F1

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	10	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
76-13-1	# Trichlorotrifluoroethane	5	ND
67-64-1	**Acetone	20	ND
75-15-0	**Carbondisulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	5	ND
78-93-3	**2-Butanone	20	ND
156-59-2	* Cis-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	ND
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	5	ND
110-75-8	* 2-Chloroethylvinylether	5	ND
108-05-4	**Vinyl Acetate	10	ND
10061-02-6	* Trans-1,3-Dichloropropene	5	ND
108-10-1	**4-Methyl-2-Pentanone	10	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
127-18-4	* Tetrachloroethene	5	ND
591-78-6	**2-Hexanone	10	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	5	ND

CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	75-130%	93%
2037-26-5	Toluene-d8	74-121%	103%
460-00-4	p-Bromofluorobenzene	70-124%	102%

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 9126 PIT 2
Matrix : SOIL
Date sampled : 02/06/90
Date analyzed: 02/14/90
Dilut. factor: NONE

Anametrix I.D. : 9002070-02
Analyst : ww
Supervisor : PG
Date released : 02/15/90
Instrument ID : F1

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	10	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
76-13-1	# Trichlorotrifluoroethane	5	ND
67-64-1	**Acetone	20	ND
75-15-0	**Carbondisulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	5	ND
78-93-3	**2-Butanone	20	ND
156-59-2	* Cis-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	ND
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	5	ND
110-75-8	* 2-Chloroethylvinylether	5	ND
108-05-4	**Vinyl Acetate	10	ND
10061-02-6	* Trans-1,3-Dichloropropene	5	ND
108-10-1	**4-Methyl-2-Pentanone	10	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
127-18-4	* Tetrachloroethene	5	ND
591-78-6	**2-Hexanone	10	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	5	ND

CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	75-130%	98%
2037-26-5	Toluene-d8	74-121%	98%
460-00-4	p-Bromofluorobenzene	70-124%	98%

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 9126 PIT 3
Matrix : SOIL
Date sampled : 02/06/90
Date analyzed: 02/14/90
Dilut. factor: NONE

Anametrix I.D. : 9002070-03
Analyst : [illegible]
Supervisor : PG
Date released : 02/15/90
Instrument ID : F1

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	10	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
76-13-1	# Trichlorotrifluoroethane	5	ND
67-64-1	**Acetone	20	ND
75-15-0	**Carbondisulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	5	ND
78-93-3	**2-Butanone	20	ND
156-59-2	* Cis-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	ND
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	5	ND
110-75-8	* 2-Chloroethylvinylether	5	ND
108-05-4	**Vinyl Acetate	10	ND
10061-02-6	* Trans-1,3-Dichloropropene	5	ND
108-10-1	**4-Methyl-2-Pentanone	10	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
127-18-4	* Tetrachloroethene	5	ND
591-78-6	**2-Hexanone	10	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	5	ND

CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	75-130%	95%
2037-26-5	Toluene-d8	74-121%	97%
460-00-4	p-Bromofluorobenzene	70-124%	99%

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 9126 A 25%
Matrix : SOIL
Date sampled : 02/06/90
Date analyzed: 02/14/90
Dilut. factor: NONE

Anametrix I.D. : 9002070-04
Analyst : [illegible]
Supervisor : PG
Date released : 02/15/90
Instrument ID : F1

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	10	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
76-13-1	# Trichlorotrifluoroethane	5	ND
67-64-1	**Acetone	20	170
75-15-0	**Carbondisulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	5	ND
78-93-3	**2-Butanone	20	43
156-59-2	* Cis-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	ND
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	5	ND
110-75-8	* 2-Chloroethylvinylether	5	ND
108-05-4	**Vinyl Acetate	10	ND
10061-02-6	* Trans-1,3-Dichloropropene	5	ND
108-10-1	**4-Methyl-2-Pentanone	10	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
127-18-4	* Tetrachloroethene	5	ND
591-78-6	**2-Hexanone	10	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	5	ND

CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	75-130%	98%
2037-26-5	Toluene-d8	74-121%	100%
460-00-4	p-Bromofluorobenzene	70-124%	93%

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 9126 B 25%
Matrix : SOIL
Date sampled : 02/06/90
Date analyzed: 02/14/90
Dilut. factor: NONE

Anametrix I.D. : 9002070-05
Analyst : [illegible]
Supervisor : PG
Date released : 02/15/90
Instrument ID : F1

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	10	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
76-13-1	# Trichlorotrifluoroethane	5	ND
67-64-1	**Acetone	20	ND
75-15-0	**Carbondisulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	5	ND
78-93-3	**2-Butanone	20	ND
156-59-2	* Cis-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	ND
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	5	ND
110-75-8	* 2-Chloroethylvinylether	5	ND
108-05-4	**Vinyl Acetate	10	ND
10061-02-6	* Trans-1,3-Dichloropropene	5	ND
108-10-1	**4-Methyl-2-Pentanone	10	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
127-18-4	* Tetrachloroethene	5	ND
591-78-6	**2-Hexanone	10	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	5	ND

CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	75-130%	98%
2037-26-5	Toluene-d8	74-121%	100%
460-00-4	p-Bromofluorobenzene	70-124%	102%

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 9126 C 25%
Matrix : SOIL
Date sampled : 02/06/90
Date analyzed: 02/14/90
Dilut. factor: NONE

Anametrix I.D. : 9002070-06
Analyst : [illegible]
Supervisor : PG
Date released : 02/15/90
Instrument ID : F1

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	10	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
76-13-1	# Trichlorotrifluoroethane	5	ND
67-64-1	**Acetone	20	ND
75-15-0	**Carbondisulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	5	ND
78-93-3	**2-Butanone	20	ND
156-59-2	* Cis-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	ND
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	5	ND
110-75-8	* 2-Chloroethylvinylether	5	ND
108-05-4	**Vinyl Acetate	10	ND
10061-02-6	* Trans-1,3-Dichloropropene	5	ND
108-10-1	**4-Methyl-2-Pentanone	10	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
127-18-4	* Tetrachloroethene	5	ND
591-78-6	**2-Hexanone	10	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	5	ND

CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	75-130%	102%
2037-26-5	Toluene-d8	74-121%	104%
460-00-4	p-Bromofluorobenzene	70-124%	100%

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 9126 D 25%
Matrix : SOIL
Date sampled : 02/06/90
Date analyzed: 02/14/90
Dilut. factor: 10

Anametrix I.D. : 9002070-07
Analyst : [illegible]
Supervisor : PG
Date released : 02/15/90
Instrument ID : F1

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	100	ND
75-01-4	* Vinyl Chloride	100	ND
74-83-9	* Bromomethane	100	ND
75-00-3	* Chloroethane	100	ND
75-69-4	* Trichlorofluoromethane	50	ND
75-35-4	* 1,1-Dichloroethene	50	ND
76-13-1	# Trichlorotrifluoroethane	50	ND
67-64-1	**Acetone	200	ND
75-15-0	**Carbondisulfide	50	ND
75-09-2	* Methylene Chloride	50	ND
156-60-5	* Trans-1,2-Dichloroethene	50	ND
75-34-3	* 1,1-Dichloroethane	50	ND
78-93-3	**2-Butanone	200	ND
156-59-2	* Cis-1,2-Dichloroethene	50	ND
67-66-3	* Chloroform	50	ND
71-55-6	* 1,1,1-Trichloroethane	50	ND
56-23-5	* Carbon Tetrachloride	50	ND
71-43-2	* Benzene	50	ND
107-06-2	* 1,2-Dichloroethane	50	ND
79-01-6	* Trichloroethene	50	ND
78-87-5	* 1,2-Dichloropropane	50	ND
75-27-4	* Bromodichloromethane	50	ND
110-75-8	* 2-Chloroethylvinylether	50	ND
108-05-4	**Vinyl Acetate	100	ND
10061-02-6	* Trans-1,3-Dichloropropene	50	ND
108-10-1	**4-Methyl-2-Pentanone	100	ND
108-88-3	* Toluene	50	ND
10061-01-5	* cis-1,3-Dichloropropene	50	ND
79-00-5	* 1,1,2-Trichloroethane	50	ND
127-18-4	* Tetrachloroethene	50	ND
591-78-6	**2-Hexanone	100	ND
124-48-1	* Dibromochloromethane	50	ND
108-90-7	* Chlorobenzene	50	ND
100-41-4	* Ethylbenzene	50	ND
1330-20-7	**Total Xylenes	50	ND
100-42-5	**Styrene	50	ND
75-25-2	* Bromoform	50	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	50	ND
541-73-1	* 1,3-Dichlorobenzene	50	ND
106-46-7	* 1,4-Dichlorobenzene	50	ND
95-50-1	* 1,2-Dichlorobenzene	50	ND

CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	75-130%	96%
2037-26-5	Toluene-d8	74-121%	100%
460-00-4	p-Bromofluorobenzene	70-124%	101%

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK
Matrix : SOIL
Date sampled : N/A
Date analyzed: 02/14/90
Dilut. factor: NONE

Anametrix I.D. : 1CB0214V00
Analyst : [illegible]
Supervisor : [illegible]
Date released : 02/15/90
Instrument ID : F1

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	10	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
76-13-1	# Trichlorotrifluoroethane	5	ND
67-64-1	**Acetone	20	ND
75-15-0	**Carbondisulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	5	ND
78-93-3	**2-Butanone	20	ND
156-59-2	* Cis-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	ND
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	5	ND
110-75-8	* 2-Chloroethylvinylether	5	ND
108-05-4	**Vinyl Acetate	10	ND
10061-02-6	* Trans-1,3-Dichloropropene	5	ND
108-10-1	**4-Methyl-2-Pentanone	10	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
127-18-4	* Tetrachloroethene	5	ND
591-78-6	**2-Hexanone	10	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	5	ND

CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	75-130%	99%
2037-26-5	Toluene-d8	74-121%	101%
460-00-4	p-Bromofluorobenzene	70-124%	100%

CLP VOLATILE MATRIX SPIKE REPORT -- EPA METHOD 8240
ANAMETRIX, INC. (408) 629-1132

Sample I.D. : 9126 PIT 3
Matrix : SOIL
Date sampled : 02/06/90
Date analyzed : 02/14/90

Anametrix I.D. : 9002070-03
Analyst : [illegible]
Supervisor : [illegible]
Date released : 02/15/90
Instrument I.D.: F1

COMPOUND	SPIKE AMT. (UG/KG)	9002070 MS (UG/KG)	%REC MS	9002070 MSD (UG/KG)	%REC MSD	RPD	%REC LIMITS*
1,1-DICHLOROETHENE	50	58	116%	56	112%	-4%	43-161%
FREON 113	50	59	118%	51	102%	-15%	41-180%
METHYLENE CHLORIDE	50	45	90%	45	90%	0%	41-162%
CHLOROFORM	50	48	96%	52	104%	8%	60-158%
1,1,1-TRICHLOROETHANE	50	54	108%	58	116%	7%	48-152%
BENZENE	50	60	120%	64	128%	6%	66-141%
1,2-DICHLOROETHANE	50	54	108%	62	124%	14%	57-144%
TRICHLOROETHENE	50	50	100%	55	110%	10%	58-151%
4-METHYL-2-PENTANONE	50	47	94%	60	120%	24%	34-198%
TOLUENE	50	57	114%	59	118%	3%	40-158%
TETRACHLOROETHENE	50	58	116%	61	122%	5%	57-156%
CHLOROBENZENE	50	54	108%	58	116%	7%	68-143%
1,2-DICHLOROBENZENE	50	50	100%	50	100%	0%	49-161%

* Limits established by Anametrix, Inc.

REPORT SUMMARY
ANAMETRIX, INC. (408) 432-8192

Client : Aqua Terra Technologies
Address : 2950 Buskirk Avenue
Suite 120
City : Walnut Creek, CA 94596
Attn. : Terry Carter

Anametrix W.O.#: 0102070
Date Received : 02/07/90
Purchase Order#: N/A
Project No. : 9126
Date Released : 02/15/90

Anametrix I.D.	Sample I.D.	Matrix	Date Sampled	Method	Date Extract	Date Analyzed	Inst I.D.
RESULTS							
9002070-01	PIT 1	SOIL	02/06/90	TPH	02/09/90	02/12/90	N/A
9002070-02	PIT 2	SOIL	02/06/90	TPH	02/09/90	02/12/90	N/A
9002070-03	PIT 3	SOIL	02/06/90	TPH	02/09/90	02/12/90	N/A
9002070-04	A 25%	SOIL	02/06/90	TPH	02/09/90	02/12/90	N/A
9002070-05	B 25%	SOIL	02/06/90	TPH	02/09/90	02/12/90	N/A
9002070-06	C 25%	SOIL	02/06/90	TPH	02/09/90	02/12/90	N/A
9002070-07	D 25%	SOIL	02/06/90	TPH	02/09/90	02/12/90	N/A
9002070-01	PIT 1	SOIL	02/06/90	T-22		02/09/90	AA1/
9002070-02	PIT 2	SOIL	02/06/90	T-22		02/09/90	AA1/
9002070-03	PIT 3	SOIL	02/06/90	T-22		02/09/90	AA1/
9002070-04	A 25%	SOIL	02/06/90	T-22		02/09/90	AA1/
9002070-05	B 25%	SOIL	02/06/90	T-22		02/09/90	AA1/
9002070-06	C 25%	SOIL	02/06/90	T-22		02/09/90	AA1/
9002070-07	D 25%	SOIL	02/06/90	T-22		02/09/90	AA1/
QUALITY ASSURANCE (QA)							
9002070-05	B 25%	SOIL	02/06/90	SPIKE	02/09/90	02/12/90	N/A
9002070-05	B 25%	SOIL	02/06/90	SPIKE	02/09/90	02/09/90	N/A
MB020890S	METHOD BLANK	SOIL	N/A	T-22		02/09/90	AA1/

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 9126 PIT 1
Matrix : SOIL
Date sampled : 02/06/90
Date ext.TPHd: 02/09/90
Date anl.TPHd: 02/12/90

Anametrix I.D. : 9002070-01
Analyst : mh
Supervisor : TC
Date released : 02/15/90
Date ext. TOG : 02/09/90
Date anl. TOG : 02/09/90

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
	TPH as Diesel	10000	ND
	Total Oil & Grease	30000	ND

ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.
TOG - Total Oil & Grease is determined by Standard Method 503E.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: 9126 PIT 2	Anametrix I.D.	: 9002070-02
Matrix	: SOIL	Analyst	: mh
Date sampled	: 02/06/90	Supervisor	: TC
Date ext.TPHd	: 02/09/90	Date released	: 02/15/90
Date anl.TPHd	: 02/12/90	Date ext. TOG	: 02/09/90
		Date anl. TOG	: 02/09/90

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
	TPH as Diesel	10000	ND
	Total Oil & Grease	30000	ND

ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.
TOG - Total Oil & Grease is determined by Standard Method 503E.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 9126 PIT 3
Matrix : SOIL
Date sampled : 02/06/90
Date ext.TPHd: 02/09/90
Date anl.TPHd: 02/12/90

Anametrix I.D. : 9002070-03
Analyst : MJ
Supervisor : TC
Date released : 02/15/90
Date ext. TOG : 02/09/90
Date anl. TOG : 02/09/90

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
	TPH as Diesel	10000	ND
	Total Oil & Grease	30000	2400000

ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.
TOG - Total Oil & Grease is determined by Standard Method 503E.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: 9126 A 25%	Anametrix I.D.	: 9002070-04
Matrix	: SOIL	Analyst	: mh
Date sampled	: 02/06/90	Supervisor	: TC
Date ext.TPHd	: 02/09/90	Date released	: 02/15/90
Date anl.TPHd	: 02/12/90	Date ext. TOG	: 02/09/90
		Date anl. TOG	: 02/09/90

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
	TPH as Diesel	10000	ND
	Total Oil & Grease	30000	ND

ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.
TOG - Total Oil & Grease is determined by Standard Method 503E.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 9126 B 25%
Matrix : SOIL
Date sampled : 02/06/90
Date ext.TPHd: 02/09/90
Date anl.TPHd: 02/12/90

Anametrix I.D. : 9002070-05
Analyst : mh
Supervisor : TC
Date released : 02/15/90
Date ext. TOG : 02/09/90
Date anl. TOG : 02/09/90

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
	TPH as Diesel	10000	ND
	Total Oil & Grease	30000	ND

ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.
TOG - Total Oil & Grease is determined by Standard Method 503E.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: 9126 C 25%	Anametrix I.D.	: 9002070-06
Matrix	: SOIL	Analyst	: mh
Date sampled	: 02/06/90	Supervisor	: TC
Date ext.TPHd	: 02/09/90	Date released	: 02/15/90
Date anl.TPHd	: 02/12/90	Date ext. TOG	: 02/09/90
		Date anl. TOG	: 02/09/90

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
	TPH as Diesel	10000	ND
	Total Oil & Grease	30000	ND

ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.
TOG - Total Oil & Grease is determined by Standard Method 503E.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 9126 D 25%
Matrix : SOIL
Date sampled : 02/06/90
Date ext.TPHd: 02/09/90
Date anl.TPHd: 02/12/90

Anametrix I.D. : 9002070-07
Analyst : MJ
Supervisor : TC
Date released : 02/15/90
Date ext. TOG : 02/09/90
Date anl. TOG : 02/09/90

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
	TPH as Diesel	10000	20000
	Total Oil & Grease	30000	ND

ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.
TOG - Total Oil & Grease is determined by Standard Method 503E.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - TITLE 22 METALS
ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9002070
Matrix : SOIL
Date Sampled : 02/06/90
Project Number: 9126

Date Prepared : 02/08/90
Date Analyzed : 02/09/90
Date Released : 02/15/90
Instrument I.D.: AA1/ICP1

METALS	EPA Method#	Reporting Limit	Sample I.D.# PIT 1	Sample I.D.# PIT 2	Sample I.D.# PIT 3	Sample I.D.# A 25%	Sample I.D.# B 25%
COMPOUNDS		(mg/Kg)	-01	-02	-03	-04	-05
Silver (Ag)	6010	0.5	ND	ND	ND	ND	ND
Arsenic (As)	7060	0.05	13.5	15.4	13.5	10.0	11.3
Barium (Ba)	6010	0.5	125	149	116	130	111
Beryllium (Be)	6010	0.5	ND	0.53	0.50	ND	ND
Cadmium (Cd)	6010	0.5	ND	ND	ND	ND	ND
Cobalt (Co)	6010	0.5	13.4	12.9	12.4	9.96	11.7
Total Cr	6010	0.5	37.2	35.5	35.9	30.2	32.1
Copper (Cu)	6010	0.5	19.7	24.2	21.1	21.8	18.9
Mercury (Hg)	7471	0.025	ND	0.033	0.037	0.063	ND
Molybdenum (Mo)	6010	0.5	ND	ND	ND	ND	ND
Nickel (Ni)	6010	1.0	36.0	39.7	39.7	32.6	36.5
Lead (Pb)	6010	1.0	5.62	67.9	4.77	21.1	4.05
Antimony (Sb)	6010	2.0	ND	ND	ND	ND	ND
Selenium (Se)	6010	4.0	ND	ND	ND	ND	ND
Thallium (Tl)	6010	2.0	ND	ND	2.02	ND	3.50
Vanadium (V)	6010	0.5	36.6	36.8	35.9	30.1	30.5
Zinc (Zn)	6010	0.5	37.9	64.7	41.3	57.5	35.4

ND : Not detected at or above the practical quantitation limit for the method.

All Metals by EPA Method 6010/7000, Test Method for Evaluating Solid Waste, SW-846 3rd Edition November 1986, and California Administrative Code Title 22, Section 66699.

MK 2/16/90
Analyst Date

R 2/15/90
Supervisor Date

ANALYSIS DATA SHEET - TITLE 22 METALS
ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9002070
Matrix : SOIL
Date Sampled : 02/06/90
Project Number: 9126

Date Prepared : 02/08/90
Date Analyzed : 02/09/90
Date Released : 02/15/90
Instrument I.D.: AA1/ICP1

METALS	EPA Method#	Reporting Limit	Sample I.D.# C 25%	Sample I.D.# D 25%	Sample I.D.# BLANK	Sample I.D.#	Sample I.D.#
COMPOUNDS		(mg/Kg)	-06	-07	MB0208S		
Silver (Ag)	6010	0.5	ND	ND	ND		
Arsenic (As)	7060	0.05	12.7	11.8	ND		
Barium (Ba)	6010	0.5	118	135	ND		
Beryllium (Be)	6010	0.5	ND	ND	ND		
Cadmium (Cd)	6010	0.5	ND	ND	ND		
Cobalt (Co)	6010	0.5	12.0	11.8	ND		
Total Cr	6010	0.5	37.6	34.3	ND		
Copper (Cu)	6010	0.5	25.0	27.9	ND		
Mercury (Hg)	7471	0.025	ND	0.080	ND		
Molybdenum (Mo)	6010	0.5	ND	ND	ND		
Nickel (Ni)	6010	1.0	27.2	37.4	ND		
Lead (Pb)	6010	1.0	4.07	23.5	ND		
Antimony (Sb)	6010	2.0	ND	ND	ND		
Selenium (Se)	6010	4.0	ND	ND	ND		
Thallium (Tl)	6010	2.0	ND	3.49	ND		
Vanadium (V)	6010	0.5	40.6	34.2	ND		
Zinc (Zn)	6010	0.5	41.1	68.8	ND		
					ND		

ND : Not detected at or above the practical quantitation limit for the method.

All Metals by EPA Method 6010/7000, Test Method for Evaluating Solid Waste, SW-846 3rd Edition November 1986, and California Administrative Code Title 22, Section 66699.

MK 2/16/90
Analyst Date

RM 2/15/90
Supervisor Date

TOTAL EXTRACTABLE HYDROCARBON MATRIX SPIKE REPORT
EPA METHOD 3510 WITH GC/FID
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 9126 B 25%
Matrix : SOIL
Date sampled : 02/06/90
Date extracted: 02/09/90
Date analyzed : 02/12/90

Anametrix I.D. :9002070-05
Analyst : mh
Supervisor : TC
Date Released : 02/15/90

COMPOUND	SPIKE AMT. (UG/G)	MS (UG/G)	%REC MS	MSD (UG/G)	%REC MSD	RPD	%REC LIMITS
Diesel	83	69	83%	70	84%	-1%	32-93

* Limits established by Anametrix, Inc.

TOTAL OIL AND GREASE MATRIX SPIKE
STANDARD METHOD 503E
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 9126 PIT 3
Matrix : SOIL
Date Sampled : 02/06/90
Date extracted: 02/09/90
Date analyzed : 02/09/90

Anametrix I.D. : 9002070-03
Analyst : mh
Supervisor : TC
Date Released : 02/15/90

COMPOUND	SPIKE AMT. (UG/Kg)	9002070 MS (UG/Kg)	%REC MS	9002070 MSD (UG/Kg)	%REC MSD	RPD	%REC LIMITS
Motor Oil	300000	260000	87%	290000	97%	11%	45-115%

Aqua Terra Technologies
2950 Buskirk Avenue Ste. 120
Walnut Creek, CA 94596
Tel. (415) 934-4884
Fax. (415) 934-0418

Anametrix 9002221

ATT

CHAIN OF SAMPLE CUSTODY RECORD

(original document, please return) Page 1 of 1

Sampled By: Terry Carter

Date Sampled: 02/14/90

Signature: Terry Carter

Job Number: 512 6

Results To Be Sent To: T. Carter

Laboratory Name: Anametrix

Results Needed By: 24 hr

Contact:

Sampling Location:

Phone #:

Sample Identification						Analysis/EPA Method No.							
Sample Collection			Number of Containers	Preserved	Containers								
Sample ID	Time (24 hr)	Matrix			Glass							503.1E	Remarks
P:T A	:	Soil	1		X							X	
	:												
	:												
	:												
	:												
	:												
	:												
	:												
	:												
	:												

Notes:

Relinquished By	Date	Time
Terry Carter	02/22/90	9:21
		:
		:

Received By	Date	Time
Jeh. Menuhin	02/22/90	9:21
		:
		:

ATTACHMENT E

Nonhazardous Waste Data Forms

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: Dreyers Grand Ice Cream

ADDRESS: 3675 Mt. Diablo Blvd., Suite 300

EPA I.D. NO.: E P A E X E M P T

CITY, STATE, ZIP: Lafayette, California 94549

PHONE NO.: (415) 283-9400

CONTAINERS: No. 100970 VOLUME 184 WEIGHT

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Soil with waste oil

GENERATING PROCESS: Tank Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Waste Oil	290	0.1	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Approval #021490-092

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Terry Carter Terry Carter 2/20/90
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: Dillard Trucking, Inc.

EPA I.D. NO.: C A D 9 8 1 6 9 2 8 0 9

ADDRESS: Route 1 Box 73

SERVICE ORDER NO.

CITY, STATE, ZIP: Byron, California 94544

PICK UP DATE: 8-20-90

PHONE NO.: (415) 634-0567

TRUCK, UNIT, I.D. NO.: 13

J. Rogers J Rogers 2-20-90
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME: Liquid Waste Management, Inc.

EPA I.D. NO.: C A D 9 8 0 6 3 6 8 3 1

DISPOSAL METHOD

ADDRESS: Star Route Box 4

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP: McKittrick, Ca. 93251

PHONE NO.: 805 762-~~7007~~ 7366

MARTHA DOLE Martha Dole 2-20-90
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	22.39
C/Q		RT/CD	HWDF NONE

DISCREPANCY

Ph. 6.0

1295

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Dreyers Grand Ice Cream

ADDRESS 3675 Mt. Diablo Blvd., Suite 300

EPA I.D. NO. E P A E X E M P T

CITY, STATE, ZIP Lafayette, California 94549

PHONE NO. (415) 283-9400

CONTAINERS: No. 100969 VOLUME 184 WEIGHT

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil with waste oil

GENERATING PROCESS Tank Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Waste Oil	290	0.1	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Approval #021490-092

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Tom Carter Tom Carter 2/20/90

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking, Inc.

EPA I.D. NO. C A D 9 8 1 6 9 2 8 0 9

ADDRESS Route 1 Box 73

SERVICE ORDER NO.

CITY, STATE, ZIP Byron, California 94544

PICK UP DATE

PHONE NO. (415) 634-0567

TRUCK, UNIT, I.D. NO. 8

Jim Payne Jim Payne 2-20-90

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Liquid Waste Management, Inc.

EPA I.D. NO. C A D 9 8 0 6 3 6 8 3 1

DISPOSAL METHOD

ADDRESS Star Route Box 4

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP McKittrick, Ca. 93251

PHONE NO. 805 762-~~7007~~ 7366

MARTHA DOLF Martha Dolf 2-20-90

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS	1	S B	23.93
C/O		RT/CD	HWDF NONE

DISCREPANCY

Ph. 6.0

1294

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Dreyers Grand Ice Cream

ADDRESS 3675 Mt. Diablo Blvd., Suite 300

EPA I.D. NO. EPA EXEMPT

CITY, STATE, ZIP Lafayette, California 94549

PHONE NO. (415) 283-9400

CONTAINERS: No. 100 966 VOLUME 18 y WEIGHT

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil with waste oil

GENERATING PROCESS Tank Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Waste Oil	290	0.1	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Approval #021490-092

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Terry Carter Terry Carter 2/20/90

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking, Inc.

EPA I.D. NO. CAD981692809

ADDRESS Route 1 Box 73

SERVICE ORDER NO.

CITY, STATE, ZIP Byron, California 94544

PICK UP DATE

PHONE NO. (415 634-0567

TRUCK, UNIT, I.D. NO. 1918-80

PAT MERKLIN Pat Merklin 2-20-90

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Liquid Waste Management, Inc.

EPA I.D. NO. CAD980636831

DISPOSAL METHOD

ADDRESS Star Route Box 4

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP McKittrick, Ca. 93251

PHONE NO. 805 762-~~7607~~ 7366

MARTHA DOLE Martha Dole 2-20-90

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS 21.99	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

Ph. 6.0

1296

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Dreyers Grand Ice Cream

ADDRESS 3675 Mt. Diablo Blvd., Suite 300

EPA I.D. NO. E P A E X E M P T

CITY, STATE, ZIP Lafayette, California 94549

PHONE NO. (415) 283-9400

CONTAINERS: No. 100973 VOLUME 184 WEIGHT

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil with waste oil

GENERATING PROCESS Tank Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Waste Oil	290	0.1	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Approval #021490-092

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Terri Carter Terri Carter 2/20/90

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking, Inc.

EPA I.D. NO. C A D 9 8 1 6 9 2 8 0 9

ADDRESS Route 1 Box 73

SERVICE ORDER NO.

CITY, STATE, ZIP Byron, California 94544

PICK UP DATE 2/20/90

PHONE NO. (415) 634-0567

TRUCK, UNIT, I.D. NO. 1648

Douglas Stephens Douglas Stephens

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Liquid Waste Management, Inc.

EPA I.D. NO. C A D 9 8 0 6 3 6 8 3 1

DISPOSAL METHOD

ADDRESS Star Route Box 4

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP McKittrick, Ca. 93251

PHONE NO. 805 762-~~7607~~7366

MARTHA DOLE Martha Dole 2-20-90

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	22.41
C/Q		RT/CD	HWDF NONE

DISCREPANCY Ph. 6.0

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: Dreyers Grand Ice Cream
ADDRESS: 3675 Mt. Diablo Blvd., Suite 300
EPA I.D. NO.: E P A E X E M P T
CITY, STATE, ZIP: Lafayette, California 94549
PHONE NO.: (415) 283-9400

CONTAINERS: No. 100967 VOLUME 20 4 WEIGHT

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Soil with waste oil
GENERATING PROCESS: Tank Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Waste Oil	290	0.1	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Approval #021490-092

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Terry Carter Terry Carter 2/20/90
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: Dillard Trucking, Inc.
EPA I.D. NO.: C A D 9 8 1 6 9 2 8 0 9
ADDRESS: Route 1 Box 73
SERVICE ORDER NO.:
CITY, STATE, ZIP: Byron, California 94544
PICK UP DATE:
PHONE NO.: (415) 634-0567
TRUCK, UNIT, I.D. NO.: 367

David Ramsey David Ramsey 2-20-90
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME: Liquid Waste Management, Inc.
EPA I.D. NO.: C A D 9 8 0 6 3 6 8 3 1
DISPOSAL METHOD
ADDRESS: Star Route Box 4
☒ LANDFILL ☐ OTHER
CITY, STATE, ZIP: McKittrick, Ca. 93251
PHONE NO.: 805 762-~~7609~~ 7366

MARTHA DOLE Martha Dole 2-20-90
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS 23.43	Ph. 6.0
TRANS		S B		
C/Q		RT/CD	HWDF NONE	DISCREPANCY

1297

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Dreyers Grand Ice Cream

ADDRESS 3675 Mt. Diablo Blvd., Suite 300

EPA I.D. NO. E P A E X E M P T

CITY, STATE, ZIP Lafayette, California 94549

PHONE NO. (415) 283-9400

CONTAINERS: No. 002441 1 VOLUME 18 yd WEIGHT

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil with waste oil

GENERATING PROCESS Tank Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Waste Oil	290	0.1	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS Approval #021490-092

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Terri Carter Terri Carter 2/20/90

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking, Inc.

EPA I.D. NO. C A D 9 8 1 6 9 2 8 0 9

ADDRESS Route 1 Box 73

SERVICE ORDER NO.

CITY, STATE, ZIP Byron, California 94544

PICK UP DATE 2-20-90

PHONE NO. (415) 634-0567

TRUCK, UNIT, I.D. NO. 1 1A

Todd Acklam Todd Acklam 2-20-9

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Liquid Waste Management, Inc.

EPA I.D. NO. C A D 9 8 0 6 3 6 8 3 1

DISPOSAL METHOD

ADDRESS Star Route Box 4

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP McKittrick, Ca. 93251

PHONE NO. 805 762-7607 7366

MARTHA DOLE Martha Dole 2-20-90

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L	A	TONS 22.95	
TRANS		S	B		
C/O		RT/CD		HWDF NONE	DISCREPANCY Ph. 6.0

1298

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: Dreyers Grand Ice Cream

ADDRESS: 3675 Mt. Diablo Blvd., Suite 300

EPA I.D. NO.: EPA EXEMPT

CITY, STATE, ZIP: Lafayette, California 94549

PHONE NO.: (415) 283-9400

CONTAINERS: No. 002131-132 VOLUME: 18 yds WEIGHT:

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION: Soil with waste oil

GENERATING PROCESS: Tank Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Waste Oil	290	0.1	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: Approval #021490-092

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Terry Carter Terry Carter 2/20/90

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME: Dillard Trucking, Inc.

EPA I.D. NO.: CAD981692809

ADDRESS: Route 1 Box 73

SERVICE ORDER NO.:

CITY, STATE, ZIP: Byron, California 94544

PICK UP DATE: 2-20-90

PHONE NO.: (415) 634-0567

TRUCK, UNIT, I.D. NO.: 8

LEON W FLANDERS Leon W Flanders 2-20-90

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME: Liquid Waste Management, Inc.

EPA I.D. NO.: CAD980636831

DISPOSAL METHOD: ☒ LANDFILL ☐ OTHER

ADDRESS: Star Route Box 4

CITY, STATE, ZIP: McKittrick, Ca. 93251

PHONE NO.: 805 762-~~7607~~ 7366

MARTHA DOLE Martha Dole 2-20-90

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD/NEW	L A	TONS 23.89	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

Ph. 6.0

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Drewers Grand Ile Cream

ADDRESS 3675 Mt. Diablo Blvd. Suite 300

EPA I.D. NO. EPA EXEMPT

CITY, STATE, ZIP Lafayette, CA 94549

PHONE NO. 415 283-9400

CONTAINERS: No. 100969 VOLUME 184 WEIGHT

TYPE: ☐ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Solid with Waste Oil GENERATING PROCESS

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Solid Soil		99.9	5.		
2. Waste Oil	290	0.1	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Approval # 021490-092

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Terry Carter Terry Carter 2/20/90
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking

EPA I.D. NO. CAD981692809

ADDRESS Route 1 Box 73

SERVICE ORDER NO.

CITY, STATE, ZIP Byron, CA 94544

PICK UP DATE

PHONE NO. 415 634-0567

TRUCK, UNIT, I.D. NO. 8

Jim Payne Jim Payne 2-21-90
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Liquid Waste Management Inc

EPA I.D. NO. CAD980636831

DISPOSAL METHOD

ADDRESS Star Route Box 4

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP McKittrick, CA 93251

PHONE NO. 805-762-7366

MARTHA DOLE Martha Dole 2-21-90
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS 23.36	
TRANS		S B		
C/Q		RT/CD	HWDF NONE	DISCREPANCY

Ph. 6.0

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Dreyers Grand Ice Cream

ADDRESS 3675 Mt. Diablo Blvd. Suite 300

EPA I.D. NO. EPA EXEMPT

CITY, STATE, ZIP Lafayette, CA 94549

PHONE NO. 415 283-9400

CONTAINERS: No. 100973 VOLUME 184 WEIGHT

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Solid with Waste Oil

GENERATING PROCESS

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Soil		99.9	5.		
2. Waste Oil	290	0.1	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTUCTIONS: Approval # 021490-092

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Terry Carter Terry Carter 2/21/90
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Dillard Trucking

EPA I.D. NO. CAD981692809

ADDRESS Route 1 Box 73

SERVICE ORDER NO.

CITY, STATE, ZIP Byron, CA 94514

PICK UP DATE

PHONE NO. 415 634-0567

TRUCK, UNIT, I.D. NO. 1648

Douglas Stephens Douglas Stephens 2/21/90
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Liquid Waste Management, Inc.

EPA I.D. NO. CAD980631831

DISPOSAL METHOD

ADDRESS Star Route Box 4

☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP McKittrick, CA 93251

PHONE NO. 805 762 7366

MARTHA DOLE Martha Dole 2-21-90
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B	23.75	
C/Q		RT/CD	HWDF NONE	DISCREPANCY

Ph. 6.0

ATTACHMENT F

Soil & Groundwater Sample Collection & Handling Protocol

ATTACHMENT F

SOIL & GROUNDWATER SAMPLE COLLECTION & HANDLING PROTOCOL

INTRODUCTION & PURPOSE

Because reliable and representative test results must be generated from soil and groundwater samples, it is essential to establish a sampling procedure which assures that all samples are:

- Collected by approved and repeatable methods
- Representative of the materials(s) at the desired location and depth
- Uncontaminated by container and sampling equipment

The following sampling protocol is designed to be a guide to the sampling and handling procedures for soil and groundwater samples to be collected. Based on conditions which may be encountered in the field, some modifications to this protocol may be required to fit the needs of an individual site.

SAMPLING PROCEDURES

Groundwater Sampling

Prior to collecting groundwater samples, monitoring wells will be purged by bailing until pH, conductivity, and temperature levels stabilize. Wells will be purged and groundwater samples will be obtained using a Teflon bailer and nylon rope. New nylon rope is used for each well.

The appropriate number of sample containers and type will be used for each sample collected, in accordance with the analytical laboratory requirements and EPA protocol. The bottles will be filled using the bailer. All sample bottles will be pre-cleaned by the supplier according to EPA protocols.

To prevent cross contamination of groundwater samples by the sampling equipment, all equipment used in sampling will be washed with a trisodium phosphate solution, triple rinsed with distilled water, and allowed to air dry prior to each use. A sample of the distilled water

used in the final rinse will be retained for analysis as part of sample quality assurance.

Soil Sampling

After the soil sampler is driven to the desired depth and the samples are retrieved, each end of the ring containing the soil sample to be retained for laboratory analysis will be sealed with Teflon sheeting, covered with plastic end caps, and sealed with PVC tape. All sample containers (tubes and end caps) will be steamed cleaned and air dried prior to use. The soil sample recovered in the ring just above the sample retained for chemical analysis will be examined in the field for visual and olfactory indications of chemical contamination and used for lithologic description.

The Unified Soil Classification System (USCS) will be used to log and describe the soil by the on-site geologist. These logs will also include details of the sampling process such as depth, apparent odors, discoloration, and any other factors which may be required to evaluate the presence of contamination at the site.

POST SAMPLING PROCEDURES

One field/travel blank consisting of one sample bottle filled with distilled water will accompany soil and groundwater sample containers at all times, including during transport to and from the site. Distilled water field/travel blanks will be analyzed according to the appropriate EPA Methods corresponding to the soil/groundwater sample analyses.

Sample containers will be labeled with sample number, project number, date, and the initials of the person collecting the sample. A separate sample collection record will be maintained for each groundwater sample collected.

Soil and groundwater samples collected will be analyzed by an analytical laboratory certified by the California Department of Health Services (DHS) for complete chemical analysis of hazardous waste as well as drinking water samples. Quality assurance documentation will accompany all analytical reports generated by the laboratory.

The samples will be placed in an ice cooler immediately following collection, and will remain in the ice cooler until refrigerated at the analytical laboratory. The samples will be delivered to the laboratory direct by

courier or overnight freight within 48 hours of time of collection. Appropriate chain of custody forms will be used for all samples.

ATTACHMENT G

Drilling Procedures & Groundwater Monitoring Well Construction/Design

ATTACHMENT G

DRILLING PROCEDURES & GROUNDWATER MONITORING WELL CONSTRUCTION/DESIGN

DRILLING AND SAMPLING PROCEDURES

All borings for well construction will be drilled using eight-inch diameter or larger hollow stem auger equipment. A California Registered Geologist will direct the collection of undisturbed samples of the soils encountered and the preparation of detailed logs of each boring.

Soil sampling will be conducted using a modified California drive sampler, a standard penetration sampler, or a five-foot continuous sampler. Representative samples of each soil type will be retained in either Ziploc bags or two-inch to three-inch diameter, six-inch long, clean, brass tubes. The samples will be retained for verification of soil classification and for chemical laboratory analytical testing, as appropriate. Teflon sheeting will be placed between the soil sample and the cap, and the cap will be sealed with PVC tape.

When access limitations do not allow drilling with truck mounted equipment, either a trailer mounted drilling rig, portable power driven, or manually operated soil sampling equipment will be utilized. If soil samples are to be retained for analysis, they will be collected in clean brass tubes fitted within a thin walled drive sampler. The soil samples will be capped and sealed as described above.

All down hole sampling, drilling, and well construction equipment and materials, including augers, casing, and screens will be steam cleaned prior to their initial use. The sampling equipment will be cleaned prior to each assembly by washing with a trisodium phosphate solution, rinsing with distilled water, and allowing to air dry. The auger flights, drill bit, and sampler will be steam cleaned at each boring location.

MONITORING WELL CONSTRUCTION

Monitoring wells will be constructed in accordance with applicable local water district or California Department of Water Resources guidelines. The specific completion details for each well will be determined in the field at the time of drilling by a California Registered Geologist experienced in groundwater monitoring system design and installation.

Monitoring wells consist of two or four-inch diameter, Schedule 40 PVC casing and screens with flush, threaded joints. No PVC glue was used. The screened sections will be machine slotted with either 0.010-inch (0.255 mm) 0.020-inch (0.51 mm) openings. The smaller slot size will be used where the wells are screened within fine-grained sandy soils, and the larger slots will be used where coarse sand or gravels are encountered. The slotted sections will be fitted with a slip-on cap and placed opposite the water-bearing strata in the boring. The blank pipe will be connected to the perforated pipe and will extend to just below the ground surface.

The annulus between the side of the borehole and the slotted section will be filled with a clean sand pack to variable depths, but not less than one or two feet above the perforated pipe. The annulus will be packed with either Lonestar No. 1/20 (where 0.010-inch slotted pipe is used) or No. 3 (where 0.020-inch slotted pipe is used) washed sand filter material. The gradation of the filter material is summarized below:

U.S. Sieve No.	Opening (mm)	Percent Passing (No. 3)	Percent Passing (No. 1/20)
6	3.35	100	
8	2.36	99 - 100	
12	1.70	62 - 78	
16	1.18	15 - 33	100
20	0.85	0 - 8	90 - 100
30	0.60	0 - 4	14 - 40
40	0.425		0 - 5

A seal of bentonite pellets approximately 24-inches thick will be placed above the sand pack to reduce the risk of grout penetration into the sand. The bentonite pellets will be hydrated with distilled water to form a tight plug. A cement/bentonite grout will be placed above the bentonite plug to a depth of approximately two feet below the ground surface. The grout will be pumped into the boreholes using a tremie pipe. Concrete will be placed from the top of the cement/bentonite mixture to the ground surface.

At most sites in sedimentary formations, it is not practical to "rationally design" a filter pack based on sieve analyses. From experience, Lonestar No. 1/20 or No. 3 washed sand as a filter material has been selected for use in the proposed wells. The 0.010-inch and 0.020-

inch slot sizes were selected to retain 100 percent of the filter material.

The completed wells will be enclosed in a traffic rated enclosure placed flush with grade or in an above-ground metal enclosure, and will be fitted with a locking cap. If a groundwater level contour map is to be prepared, well head elevations will be determined by a level survey, and well coordinates will be determined by a traverse survey. The level/traverse survey will be referenced to a bench mark of known elevation and coordinates. Once water levels have stabilized, water levels in all wells will be measured.

After the wells have been completed, they will be developed by pumping and surging to clean and stabilize the soils around the screens. A manually operated, positive displacement surge pump and Teflon bailer, surge block, and/or centrifugal pump will be used for development. A minimum of 10 well casing volumes of water will be removed during development; however, development will continue until water flows clear and pH, temperature, and conductivity have stabilized. All development equipment will be steam cleaned prior to its initial use in each well. A well development log will be maintained which will include 1) a record of development water parameters at frequent intervals, 2) the quantity of water removed during development, and 3) flow rates during development.

Soil cuttings generated during drilling will be wrapped in plastic sheeting, and water generated during well development will be retained in secured 55-gallon drums until chemical analytical data from samples are received.

ATTACHMENT H

Site Safety Plan

ATT

AQUA TERRA TECHNOLOGIES SITE SAFETY PLAN

A. GENERAL INFORMATION

Site: Former Dreyer's Grand Ice Cream facility

Location: 5929 College Avenue
Oakland, CA 94618

Plan Prepared By: William E. Motzer
Senior Hydrogeologist
Date: March 7, 1990

Plan Approved By: Terrance E. Carter
Senior Environmental Engineer
Date: March 7, 1990

Objectives:

1) Excavation and offhaul of waste oil and grease contaminated soil.
2) Onsite aeration of gasoline contaminated soil.
3) Installation of three groundwater monitoring wells.

Proposed Date of Investigation: March, 1990 and upon approval of work plan by the Alameda County Health Care Services Agency and San Francisco Bay Region, Regional Water Quality Control Board

Background Review: Complete: X Preliminary:

Documentation/Summary: Aqua Terra Technologies, Inc.(ATT) workplan of March, 1990 (attached)

Overall Hazard: Serious: Moderate:
Low: X Unknown:

B. SITE/WASTE CHARACTERISTICS

Waste Type(s): Liquid: Solid: X Sludge: Gas:

Characteristic(s): Corrosive: Ignitable: Radioactive:
Volatile:X Toxic: Reactive: Unknown: Other(name):

Facility Description: Vacant and graded lot, currently undergoing preparation for active building construction.

Principal Disposal Method (type and location): Disposal of excavated soil by truck offhaul to a Class II or Class III landfill as per regulatory agency requirements. Storage of groundwater monitoring well cuttings in 17-H, 55-gallon drums. Final destination of drill cuttings to be determined from soil sample analyses. Storage of monitoring well development and sampling water in 55-gallon drums; disposal to be determined upon

receipt of California Department of Health Services (DHS) certified laboratory.

Unusual Features (power lines, terrain, utilities, etc.): none

Status: Active: X Inactive: Unknown:
Property currently undergoing active construction of a new Dreyer's facility.

History (agency action, complaints, injuries, etc.): None noted

C. HAZARD EVALUATION

Parameter:	TLV (ppm)	IDLH (ppm)	LEL (%)	HEALTH skin/eyes/inge./inha.
	_____	_____	X	X

Special Precautions and Comments: Use NIOSH approved gloves when handling soil samples. Sampling to be conducted in open air. Excavated soils, to be treated via aeration, to be covered during periods of precipitation.

D. SITE SAFETY WORK PLAN

Perimeter Establishment: Map/Sketch Attached: see work plan
Site Secured: via gated, chain link fence

Perimeter Identified: Yes; via building plans and perimeter fence.

Zone(s) of Contamination Identified: Zones of contamination identified during underground fuel and waste oil storage tank removal (see work plan)

Personal Protection:

Level of Protection: A_____B_____C_____D__X__

Modifications: If necessary, tyvek suits will be used with NIOSH approved face masks. All personnel collecting soil samples will wear gloves. Hard hats and steel toed shoes will be worn at all times.

Surveillance Equipment & Materials:
Instrument: LEL Meter Action Level: 20%

Site Entry Procedures: Permission of property owner and onsite building contractor. Hard hats and steel toed shoes will be worn at all times.

Decontamination Procedures:

Personal: Wash hands, face, clothes. Smoking or eating not permitted onsite during active excavation or drilling.

Equipment: Steel toed boots, gloves, hard hat, NIOSH approved respirator.

First Aid (type of equipment available): Fully stocked first aid kit and emergency eyewash with company vehicles.

Work Limitations (time of day, weather, heat/cold stress):

Work limitations: winds less than 10 mph; no work during periods of precipitation; work hours: 8:00 A.M to 5:00 P.M. Monday through Friday.

Investigation-Derived Material Disposal: Excavated soil from the former waste oil tank area to be offhauled to a Class II landfill. Soil removed from the former gasoline tank excavation to be aerated onsite and removed to an appropriate landfill upon receipt of final soil analyses. Three monitoring wells to be installed onsite.

Team Composition:

Team Member	Responsibility
Terrance E. Carter	Project Manager/Engineer
William E. Motzer	Project Hydrogeologist
Michael Deschenes	Project Geologist
Bruce L. Berman	Project Safety Manager

E. EMERGENCY INFORMATION

Local Resources:

Ambulance: 911
Hospital Emergency Room: 911
Poison Control Center: 1-800-523-2222
Police: 911
Fire Department: 911
Explosives Unit: 911
Agency Contact: National Response Center (NAC)
Toxic Chemical and Oil Spills: 1-800-424-8802

Site Resources:

Water Supply: on site
Telephone: 415 601-0179
Radio: unknown
Other: none

Emergency Contacts:

Name: Mr. William C. Collett, Treasurer Phone: 415 283-9400
Dreyer's Grand Ice Cream, Inc.

Mr. Terry Carter, Senior Env. Eng. Phone: 415 934-4884
Aqua Terra Technologies, Inc.

Emergency Routes:

Hospital: Alta Bates-Herrick Hospital
3001 Colby and Ashby
Berkeley, California

From site north on College Avenue (approximately 0.65 miles) to Ashby Avenue. Left turn (west) onto Ashby approximately 0.20 miles to hospital entrance (on left) south side of Ashby Avenue.

ATTACHMENT H

Site Safety Plan