Mobil Oil Corporation

3800 WEST ALAMEDA AVENUE, SUITE 700
BURBANK, CALIFORNIA 91505-4331

December 3, 1987

File OGT

Ariel G. Bryant
City of Oakland
Fire Prevention Bureau
1 City Hall Plaza
Oakland, California 94612

MOBIL OIL CORPORATION
S/S #10-LVW
5425 GROVE STREET
OAKLAND, CALIFORNIA 94609

Dear Mr. Bryant:

Attached are the laboratory results for the soil that was excavated during the tank replacement project at the referenced location.

Should you have any questions, contact Jane Keith at (818) 953-2519.

Sincerely,

R. A. Miller

for R. J. Edwards
Region Environmental Manager

JMK:ars
attachment
02860

cc: [redacted]
Alameda County
Department of Environmental Health
470 27th Street, Room 324
Oakland, California 94612

Mr. Greg Zetner
Regional Water Quality Control Board
1111 Jackson Street, Room 6040
Oakland, California 94607

RECEIVED
DEC 7 1987
ENVIRONMENTAL HEALTH
ADMINISTRATION

Applied GeoSystems 43255 Mission Blvd. Suite B Fremont, CA 94539 (415) 651-1906

COPY

November 11, 1987
87117-2

Mr. Moody Younger
Mobil Oil Corporation
P.O. Box 127
Richmond, California 94807

Subject: Notification of completion of soil aeration at Mobil Station No. 10-LVW, 5425 Grove Street, Oakland, California

Mr. Younger:

This letter report serves to inform you of the completed soil aeration and soil removal operations at the above-referenced site. the site is located on Grove Street in Oakland, as shown on the Site Vicinity Map, Plate P-1. Approximately 150 cubic yards of soil piled at the site were sampled and analyzed. The soil was excavated during tank replacement operations as discussed in Applied GeoSystems' report No. 87117-1, dated October 23, 1987.

The initial soil sampling was performed on October 26, 1987. The samples were collected by first removing the uppermost soil to a depth of approximately 2 feet then driving laboratory-cleaned brass sleeves into the soil. The sample sleeves were immediately sealed with aluminum foil, plastic caps, and airtight tape. They were then labeled and placed in iced storage for transport to Anametrix, Inc.'s analytical laboratory in San Jose, California for testing. Three samples were collected and later composited in the laboratory for each approximately 50 cubic yards of soil piled at the site.

The soil samples were analyzed for total petroleum hydrocarbons. Results of the analyses showed the majority of the soil samples to have hydrocarbon contamination below the 100 parts per million (ppm) total petroleum hydrocarbon threshold acceptable for Class III landfill disposal. One sample, however, showed a hydrocarbon concentration above 100 ppm. Table 1 presents the analytical results for the October 26 sampling. The Chain of Custody Record and Record of Analysis forms for the collected soil samples are included with this letter report.

TABLE 1

Laboratory Results on Soil Samples
Collected 10/26/87 from Soil at
Mobil Station 10-LVW, Oakland, California

Identifier	TPH	Detection Limit
S-1026-1(ABC)	ND	5
S-1026-2(ABC)	ND	5
S-1026-3(ABC)	82	5
S-1026-4(ABC)	130	5

Note: All results presented in parts per million (ppm)
TPH: Total Petroleum Hydrocarbons

Key: S-1026-1(ABC)

- = Sample 1A, 1B, and 1C (composited)
- = Date collected (October 26)
- = Soil

The soil was left at the site for aeration. Verbal authorization for soil aeration was received from the San Francisco Bay Area Air Quality Management District (BAAQMD) on October 27, 1987.

The soil was spread for aeration on October 28, 1987 as per the BAAQMD's guidelines. The soil was separated into two piles; one of approxiamtely 50 and the other of 100 cubic yards. The hydrocarbon vapor content of the soil was field-evaluated on November 2, 1987 with a Photovac photo-ionization detector. Readings from the instrument showed soil hydrocarbon vapor less than 100 ppm. Three soil samples were collected from the 50 cubic yard soil pile and six samples were collected from the 100 yard soil pile using the procedures described earlier. The soil sample locations are shown on the Generalized Site Plan, Plate P-2. The samples were composited in the laboratory and analyzed for total petroleum hydrocarbons. Table 2 presents the analytical results for aerated soil samples.

TABLE 2

Laboratory Results on Soil Samples
Collected 11/2/87 from Aerated Soil
Mobil Station No. 10-LVW, Oakland, California

Identifier	TPH	Detection Limit
S-1102-1(ABC)	34	5
S-1102-2(ABC)	20	5
S-1102-3(ABC)	ND	5

Note: All results presented in parts per million (ppm)
TPH: Total Petroleum Hydrocarbons

Key: S-1102-1(ABC)

- = Sample 1A, 1B, and 1C (composited)
- = Date collected (November 2)
- = Soil

The analytical results from the soil samples show hydrocarbon levels which are generally acceptable by the California Department of Health Services and the San Francisco Bay region of the Regional Water Quality Control Board for Class III landfill disposal. Mobil Oil Corporation directed that the soil be removed to the West Contra Costa County Sanitary Landfill (WCCCSL) in Richmond, California. The WCCCSL Waste Information Form was completed by Applied GeoSystems. On November 4, 1987, the form was given to personnel of R. W. Johnston Construction, the contractor at the site, along with laboratory documentation on October 4, 1987. R. W. Johnston removed the soil to the landfill facility on October 4, 1987. Copies of the WCCCSL Waste Information Form, Chain of Custody Records, and Record of Analysis forms are included with this letter report.

We recommend that copies of this letter report be forwarded to Mr. Greg Zentner of the Regional Water Quality Control Board, San Francisco Bay Region, 1111 Jackson Street, Room 6040, Oakland, California 94607 and Mr. T. M. Gerow, Alameda County Division of Environmental Health, 470 27th Street, Room 324, Oakland, California 94612. Please do not hesitate to call if you have any questions concerning the content of this letter, or if we can be of further assistance.

Sincerely,
Applied GeoSystems

Glenn R. Dembroff
Project Geologist

Michael N. Clark
C.E.G. 1264

Attachments: Site Vicinity Map
Generalized Site Plan
Chain of Custody Record (2)
Laboratory Documents (9)
WCCCSL Waste Information Form

Source: U.S. Geological Survey
Oakland West
7.5-Minute Qaudrangle

N

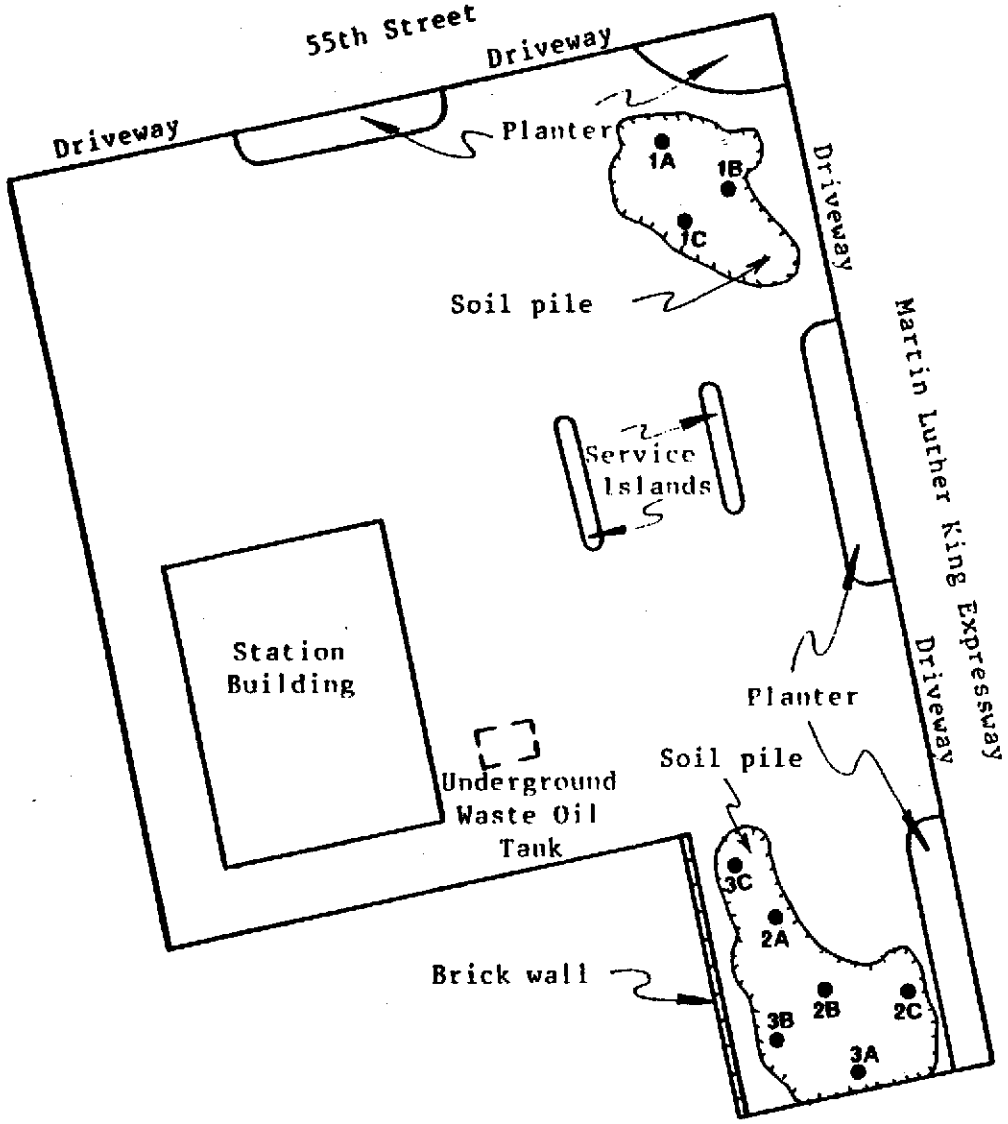
Approximate Scale
2000 1000 0 2000 4000
feet

Applied Geosystems
43255 Mission Blvd Suite B Fremont, CA 94539 (415) 651-1906

PROJECT NO. 87117-2

SITE VICINITY MAP
Mobil Station No. 10-LVW
5425 Grove Street
Oakland, California

PLATE
P-1



Source: Measured by Tape and Compass

● = Soil Sample Location
3C

N

Approximate Scale

30 15 0 30 60

feet

Applied BioSystems

PROJECT NO. 87117-2

GENERALIZED SITE PLAN
Mobil Station No. 10-LVW
5425 Grove Street
Oakland, California

PLATE
P-2

CHAIN OF CUSTODY RECORD

Applied GeoSystems
43255 Mission Blvd. Suite B Fremont, CA 94539 (415) 651-1906

SAMPLER (signature): Dan Kirkman

Phone: 651-1906

LABORATORY: Anametrix

(408) 629-1132

TURNAROUND TIME: 24 hrs

Project Leader: Glenn Dembroff

Phone No. 651-1906

SHIPPING INFORMATION:

Shipper

Address

Date Shipped

Service Used

Airbill No. Cooler No.

Relinquished by: (signatures)	Received by: (signatures)	Date	Time
Dan Kirkman			
	Received for laboratory by: Paul Silva	10/26/87	16:45

LABORATORY SHOULD SIGN UPON RECEIPT AND RETURN A COPY OF THIS FORM WITH THE LABORATORY RESULTS

	Sample No.	Site Identification	Date Sampled	Analyses Requested	Sample Condition Upon Receipt
composite	S-1026-1a	87117-2	10-26-87	TVH	iced
	S-1026-1b				
	S-1026-1c				
composite	S-1026-2a				
	S-1026-2b				
	S-1026-2c				
composite	S-1026-3a				
	S-1026-3b				
	S-1026-3c				
composite	S-1026-4a				
	S-1026-4b				
	S-1026-4c				

ANAMETRIX, INC.
LABORATORY SERVICES
ENVIRONMENTAL • ANALYTICAL CHEMISTRY
2754 AIELLO DRIVE • SAN JOSE CA 95111 • (408) 629-1132

October 27, 1987
Work Order Number 8710104
Date Received 10/26/87
Project No. 87117-2

Glenn Dembroff
Applied Geosystems
43255 Mission Blvd., Suite B
Fremont, CA 94539

Four soil samples were received for analysis of gasoline by gas chromatography, using the following EPA method(s):

ANAMETRIX I.D.	SAMPLE I.D.	METHOD(S)
8710104-01	S-1026-1 COMP	8015 (GAS)
-02	S-1026-2 COMP	"
-03	S-1026-3 COMP	"
-04	S-1026-4 COMP	"

RESULTS

See enclosed data sheets, Forms 3-1 thru 3-4.

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

Sincerely,

Sarah Schoen

Sarah Schoen, Ph.D.
GC Supervisor

SRS/lar

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 629-1132

Sample I.D.	: S-1026-1 COMP	Anametrix I.D.	: 8710104-01
Matrix	: SOIL	Analyst	:
Date sampled	: 10-26-87	Supervisor	:
Date anl. TVH	: 10-26-87	Date released	: 10-27-87
Date ext. TEH	: NA	Date ext. TOG	: NA
Date anl. TEH	: NA	Date anl. TOG	: NA

CAS #	Compound Name	Det. Limit (ug/kg)	Amt. Found (ug/kg)	Q
71-43-2	Benzene	200		NR
108-88-3	Toluene	200		NR
	Total Xylenes	200		NR
	TVH as Gasoline	5000		U
	TEH as Diesel	10,000		NR
	Total Oil & Grease	30,000		NR

For reporting purposes, the following qualifiers (Q) are used:
+ : A value greater than or equal to the method detection limit.
U : The compound was analyzed for but was not detected.
NR: Not requested.

TVH - Total Volatile Hydrocarbons are determined by modified EPA 8015 with either headspace or purge and trap.
TEH - Total Extractable Hydrocarbons are determined by modified EPA 8015 with direct injection.
TOG - Total Oil & Grease are determined by Standard Method 503E.

All testing procedures follow CRWQCB Region 2 guidelines.

Form 3-1.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
[redacted]AMETRIX, INC. (408) 629-1[redacted]

Sample I.D.	: S-1026-2 COMP	Anametrix I.D.	: 8710104-02
Matrix	: SOIL	Analyst	: dlp
Date sampled	: 10-26-87	Supervisor	: FeS
Date anl. TVH	: 10-26-87	Date released	: 10-27-87
Date ext. TEH	: NA	Date ext. TOG	: NA
Date anl. TEH	: NA	Date anl. TOG	: NA

CAS #	Compound Name	Det. Limit (ug/kg)	Amt. Found (ug/kg)	Q
71-43-2	Benzene	200		NR
108-88-3	Toluene	200		NR
	Total Xylenes	200		NR
	TVH as Gasoline	5000		U
	TEH as Diesel	10,000		NR
	Total Oil & Grease	30,000		NR

For reporting purposes, the following qualifiers (Q) are used:
+ : A value greater than or equal to the method detection limit.
U : The compound was analyzed for but was not detected.
NR: Not requested.

TVH - Total Volatile Hydrocarbons are determined by modified EPA 8015 with either headspace or purge and trap.
TEH - Total Extractable Hydrocarbons are determined by modified EPA 8015 with direct injection.
TOG - Total Oil & Grease are determined by Standard Method 503E.

All testing procedures follow CRWQCB Region 2 guidelines.

Form 3-2.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 629-1132

Sample I.D.	: S-1026-3 COMP	Anametrix I.D.	: 8710104-03
Matrix	: SOIL	Analyst	: DD
Date sampled	: 10-26-87	Supervisor	: BJS
Date anl. TVH	: 10-26-87	Date released	: 10-27-87
Date ext. TEH	: NA	Date ext. TOG	: NA
Date anl. TEH	: NA	Date anl. TOG	: NA

CAS #	Compound Name	Det. Limit (ug/kg)	Amt. Found (ug/kg)	Q
71-43-2	Benzene	200		NR
108-88-3	Toluene	200		NR
	Total Xylenes	200		NR
	TVH as Gasoline	5000	82000	+
	TEH as Diesel	10,000		NR
	Total Oil & Grease	30,000		NR

For reporting purposes, the following qualifiers (Q) are used:
+ : A value greater than or equal to the method detection limit.
U : The compound was analyzed for but was not detected.
NR: Not requested.

TVH - Total Volatile Hydrocarbons are determined by modified EPA 8015 with either headspace or purge and trap.
TEH - Total Extractable Hydrocarbons are determined by modified EPA 8015 with direct injection.
TOG - Total Oil & Grease are determined by Standard Method 503E.

All testing procedures follow CRWQCB Region 2 guidelines.

Form 3-3.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 629-1[illegible]2

Sample I.D.	: S-1026-4 COMP	Anametrix I.D.	: 8710104-04
Matrix	: SOIL	Analyst	: [illegible]
Date sampled	: 10-26-87	Supervisor	: [illegible]
Date anl. TVH	: 10-26-87	Date released	: 10-27-87
Date ext. TEH	: NA	Date ext. TOG	: NA
Date anl. TEH	: NA	Date anl. TOG	: NA

CAS #	Compound Name	Det. Limit (ug/kg)	Amt. Found (ug/kg)	Q
71-43-2	Benzene	200		NR
108-88-3	Toluene	200		NR
	Total Xylenes	200		NR
	TVH as Gasoline	5000	120000	+
	TEH as Diesel	10,000		NR
	Total Oil & Grease	30,000		NR

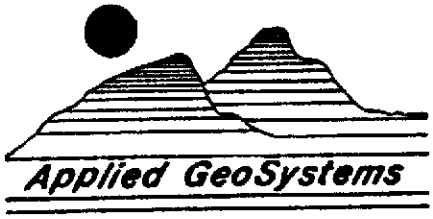
For reporting purposes, the following qualifiers (Q) are used:
+ : A value greater than or equal to the method detection limit.
U : The compound was analyzed for but was not detected.
NR: Not requested.

TVH - Total Volatile Hydrocarbons are determined by modified EPA 8015 with either headspace or purge and trap.
TEH - Total Extractable Hydrocarbons are determined by modified EPA 8015 with direct injection.
TOG - Total Oil & Grease are determined by Standard Method 503E.

All testing procedures follow CRWQCB Region 2 guidelines.

Form 3-4.

CHAIN OF CUSTODY RECORD



43255 Mission Blvd Suite B Fremont, CA 94539 (415) 651-1906

SAMPLER (signature): Tim O'Brien

Phone: 415 651 1906

LABORATORY: Anametrix

TURNAROUND TIME: 24 hours

Project Leader: Glenn Dambcatt

Phone No. 415 651 1906

SHIPPING INFORMATION:

Shipper

Address

Date Shipped

Service Used

Airbill No. Cooler No.

Relinquished by: (signatures)	Received by: (signatures)	Date	Time
Tim O'Brien		11-2-87	17:45
	Received for laboratory by: Darlene Sylva	11-2-87	14:45

LABORATORY SHOULD SIGN UPON RECEIPT AND RETURN A COPY OF THIS FORM WITH THE LABORATORY RESULTS

Sample No.	Site Identification	Date Sampled	Analyses Requested	Sample Condition Upon Receipt
S-1102-1A	87117-2	11-2-87	TPH (gasoline) 8015	iced
S-1102-1B				
S-1102-1C				
S-1102-2A				
S-1102-2B				
S-1102-2C				
S-1102-3A				
S-1102-3B				
S-1102-3C				

ANAMETRIX, INC.
LABORATORY SERVICES
ENVIRONMENTAL • ANALYTICAL CHEMISTRY
2754 AIELLO DRIVE • SAN JOSE, CA 95111 • (408) 629-1132

November 3, 1987
Work Order Number 8711005
Date Received 11/02/87
Project No. 87117-2

Glenn Dembrott
Applied GeoSystems
43255 Mission Blvd, Suite B
Fremont, CA 94539

Three soil samples were received for analysis of total volatile hydrocarbons by gas chromatography, using the following EPA method(s):

ANAMETRIX I.D.	SAMPLE I.D.	METHOD(S)
8711005-01	87117-2 S-1102-1 COMP.	8015 (Gasoline)
-02	" -2 COMP.	"
-03	" -3 COMP.	"

RESULTS

See enclosed data sheets, Forms 3-1 thru 3-3.

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

Sincerely,

Sarah Schoen

Sarah Schoen, Ph.D.
GC Supervisor

SRS/da

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 629-1132

Sample I.D.	: 87117-2 S-1102-1 COMP.	Anametrix I.D.	: 8711005-01
Matrix	: SOIL	Analyst	: mh
Date sampled	: 11-02-87	Supervisor	: RWS
Date anl. TVH	: 11-02-87	Date released	: 11-03-87
Date ext. TEH	: NA	Date ext. TOG	: NA
Date anl. TEH	: NA	Date anl. TOG	: NA

CAS #	Compound Name	Det. Limit (ug/kg)	Amt. Found (ug/kg)	Q
71-43-2	Benzene	200		NR
108-88-3	Toluene	200		NR
100-41-4	Ethylbenzene	200		NR
	Total Xylenes	200		NR
	TVH as Gasoline	5000	34000	+
	TEH as Diesel	10,000		NR
	Total Oil & Grease	30,000		NR

For reporting purposes, the following qualifiers (Q) are used:
+ : A value greater than or equal to the method detection limit.
U : The compound was analyzed for but was not detected.
NR: Not requested.

TVH - Total Volatile Hydrocarbons are determined by modified EPA 8015 with either headspace or purge and trap.
TEH - Total Extractable Hydrocarbons are determined by modified EPA 8015 with direct injection.
TOG - Total Oil & Grease is determined by Standard Method 503E.
BTEX- Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow CRWQCB Region 2 guidelines.

Form 3-1.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 629-1132

Sample I.D.	: 87117-2 S-1102-2 COMP.	Anametrix I.D.	: 8711005-02
Matrix	: SOIL	Analyst	: mh
Date sampled	: 11-02-87	Supervisor	: RHJ
Date anl. TVH	: 11-02-87	Date released	: 11-03-87
Date ext. TEH	: NA	Date ext. TOG	: NA
Date anl. TEH	: NA	Date anl. TOG	: NA

CAS #	Compound Name	Det. Limit (ug/kg)	Amt. Found (ug/kg)	Q
71-43-2	Benzene	200		NR
108-88-3	Toluene	200		NR
100-41-4	Ethylbenzene	200		NR
	Total Xylenes	200		NR
	TVH as Gasoline	5000	20000	+
	TEH as Diesel	10,000		NR
	Total Oil & Grease	30,000		NR

For reporting purposes, the following qualifiers (Q) are used:
+ : A value greater than or equal to the method detection limit.
U : The compound was analyzed for but was not detected.
NR: Not requested.

TVH - Total Volatile Hydrocarbons are determined by modified EPA 8015 with either headspace or purge and trap.
TEH - Total Extractable Hydrocarbons are determined by modified EPA 8015 with direct injection.
TOG - Total Oil & Grease is determined by Standard Method 503E.
BTEX- Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow CRWQCB Region 2 guidelines.

Form 3-2.

ANALYSIS DA[redacted] SHEET - PETROLEUM HYDROC[redacted]ON COMPOUNDS
ANAMETRIX, INC. (408) 629-1[redacted]

Sample I.D.	: 87117-2 S-1102-3 COMP.	Anametrix I.D.	: 8711005-03
Matrix	: SOIL	Analyst	: mh
Date sampled	: 11-02-87	Supervisor	: RHS
Date anl. TVH	: 11-02-87	Date released	: 11-03-87
Date ext. TEH	: NA	Date ext. TOG	: NA
Date anl. TEH	: NA	Date anl. TOG	: NA

CAS #	Compound Name	Det. Limit (ug/kg)	Amt. Found (ug/kg)	Q
71-43-2	Benzene	200		NR
108-88-3	Toluene	200		NR
100-41-4	Ethylbenzene	200		NR
	Total Xylenes	200		NR
	TVH as Gasoline	5000		U
	TEH as Diesel	10,000		NR
	Total Oil & Grease	30,000		NR

For reporting purposes, the following qualifiers (Q) are used:
+ : A value greater than or equal to the method detection limit.
U : The compound was analyzed for but was not detected.
NR: Not requested.

TVH - Total Volatile Hydrocarbons are determined by modified EPA 8015 with either headspace or purge and trap.
TEH - Total Extractable Hydrocarbons are determined by modified EPA 8015 with direct injection.
TOG - Total Oil & Grease is determined by Standard Method 503E.
BTEX- Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow CRWQCB Region 2 guidelines.

Form 3-3.

WEST CONTRA COSTA SANITARY LANDFILL
P. O. BOX 5006
RICHMOND, CA 94805

SAMPLE COLLECTION INFORMATION FORM

Instructions: In order for the WCCSL to evaluate the wastes for disposal it is necessary for the staff to evaluate the representativeness of sample(s) collected for analysis. Please complete this form after collecting a sample of waste.

Recommended procedures for collecting a representative sample are found in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, U.S. EPA, SW 846." Equivalent methods may also be used.

Generator: Mobil Oil Corporation

Address: P.O. Box 127 Richmond, CA 94807

Contact: mr. Moody Younger Telephone: 415-237-3168

Sampler Name: Tim O'Brien/Applied GeoSystems

Signature: _____

Witness of Sampling: Edward Westphal

1. Date and time of sample collection: 11/2/87 10:30 AM

2. Description of sample collection point: 3 collection points per approx. 50 cu yds of soil. Approx. 150 cu yds at site. Three composites analy

3. Sampling equipment: Percussion sampler with brass sleeves

4. Sampling method: driven into soil material

5. Amount of sample collected: 3 brass sleeves collected per ~50 cu yd.

6. Type of container: Brass sleeves with aluminum foil, teflon slip caps, and tap

7. Method(s) of sample preservation: ICED

8. Was sampling equipment used, and the container into which the sample was placed, themselves uncontaminated before use. Yes....[X] No....[ ]

(Over)

WEST CONTRA COSTA SANITARY LANDFILL
P. O. BOX 5006
RICHMOND, CA 94805

REVIEW OF WASTE PROPOSED FOR DISPOSAL AT THE LANDFILL

The West Contra Costa Sanitary Landfill restricts the types of waste disposed at the facility.

The landfill normally accepts only solid wastes which contain less than 50% moisture by weight. NO high moisture; ignitable or reactive wastes; solvents and pesticides are allowed for disposal. Specific industrial waste disposal requests are evaluated on a case-by-case basis.

There are other limitations governing the treatment, storage, and disposal of wastes established by federal and state law that apply to the landfill.

A review of the information submitted will be made promptly for completeness and acceptability for disposal of the waste at the West Contra Costa Sanitary Landfill.

GENERAL DIRECTIONS: In order for the company to determine whether your waste can lawfully and safely be disposed of at the landfill, submittal of certain information about your waste is necessary. Information will be confidential. Leave no blanks; if not applicable, indicate as "NA". Use additional space as necessary for any answers. The landfill personnel may perform on-site identification tests on waste shipments. Samples may be collected during disposal operations at the landfill and certain samples sent to contracting laboratories for analysis. The analyses selected will be determined by the nature of the waste to screen for hazardous constituents which are present or absent. If a discrepancy is encountered, this will be reported, as required by law, to the EPA, DOHS, and the waste generator.

WEST CONTRA COSTA SANITARY LANDFILL

WASTE INFORMATION FORM

Suggested procedures for waste analysis include those in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, U.S. EPA, SW 846"; those procedures approved by the California Department of Health Services for waste analysis; and those equivalent to EPA or California DOHS waste analysis procedures.

TWO COPIES OF THIS FORM AND ADDITIONAL SHEETS CONTAINING SUPPLEMENTAL INFORMATION SHOULD BE RETURNED TO:

West Contra Costa Sanitary Landfill
P. O. Box 5006
Richmond, CA 94805

1. Generator Name: Mobil Oil Corporation

2. Generating Facility Name/Address: Mobil Station #10LVW
5425 Grove St. Oakland, CA

3. Company Contacts:

Name: Applied GeoSystems Title: Glenn Dembroff DIRECTOR Phone: 651-1906

Name: R.W. Johnston Title: Dick Burge Phone: 261-9424

4. Waste Name: Gasoline-contaminated Soil

5. Description of Process and Circumstances Producing Waste: Tank removal and replacement operations. Soil was excavated from tank pit.

6. List all materials and chemicals used in the production process: NA

7. Describe the process by which the waste is collected: NA

8. Waste Characteristics:

A. Physical Description: Solid...(X) Sludge...( )

Liquid...() Powder...( ) Color: Brown Odor: none (Describe)

B. Free Liquids: Yes...( ) No...(X)

C. Percent: 100 Solids ____ Water ____ Oil

D. pH: _____ How Measured: _____

E. Flash Point NA F (Closed Cup Test)

9. Waste Composition:

A. Is this waste produced in the manufacture of pesticide or herbicide products, or does it contain pesticide or herbicide compounds?

NO

B. Toxic Metals:

Concentration (mg/kg or mg/l)

	Total	Extractable*
Arsenic	_____	_____
Antimony	_____	_____
Barium	_____	_____
Beryllium	_____	_____
Cadmium	_____	_____
Chromium	_____	_____
Chromium (Hexavalent)	_____	_____
Cobalt	_____	_____
Copper	_____	_____
Lead	_____	_____
Mercury	_____	_____
Molybdenum	_____	_____
Nickel	_____	_____
Selenium	_____	_____
Silver	_____	_____
Thallium	_____	_____
Vanadium	_____	_____

not analysed

	Total	Extractable*
Organic Lead	____ not analyzed	_____
Zinc	____	_____

*Indicate reference for extraction method:

C. Reactive Constituents: Other:

Total Cyanide	____ppm	_____	____ppm
Free Cyanide	____ppm	N/A	____ppm
Sulfide as:	____ppm	_____	____ppm

D. Does this waste contain halogenated organic compounds (such as PCB's, Trichloroethylene, Chlorobenzene, etc.)? no

If yes, please list compound(s) and concentration(s):

N/A

Does the process generating this waste use halogenated organic compounds in any part of the process? Yes...[ ] No...[X]

If yes, please explain: N/A

E. Does this waste contain non-halogenated organic solvents (such as toluene, hexane, acetone) or similar such compounds (such as petroleum naphtha, gasoline)? Yes...[X] No...[ ]

If yes, please list compound(s) and concentration(s):

Gasoline concentration at an average concentration of approximately 20 ppm.

Does the process generating this waste use non-halogenated organic solvents or similar compounds in any part of the process? Yes...[ ] No...[X]

If yes please explain: N/A

10. List any other hazardous constituents not mentioned above and concentrations:

N/A

11. Hazardous Characteristics:

Reactive	Yes_____	No_____
Ignitable	Yes_____	No_____
Corrosive	Yes N/A	No_____
Radioactive	Yes_____	No_____
Etiological	Yes_____	No_____

12. List all known or suspected hazards not otherwise disclosed in this document:

13. USEPA Hazardous Waste? Yes____ No X USEPA Codes:_____

Calif Hazardous Waste? Yes____ No X California Codes_____

14. Is the information provided in Sections 8-11 based upon laboratory analysis of the waste? Yes If so, please give the date of the most recent analysis: 11-3-87 If not, specify source: _____

15. Enclose two (2) copies of the lab report for the wastes including test methods used and Sample Collection Information Form.

16. Quantity proposed to be disposed at West Contra Costa Sanitary Landfill:

Anticipated Volume: approx. 150 cu yds. Period: one-time
(Per day, one-time, etc.)

17. Transportation Method: Bulk Solid...[X] Containerized Solid...[ ]

18. Is the waste stream homogeneous? Yes...[X] No...[ ]

Explain basis of answer: Soil was permitted for aeration through Bay Area Air Quality & tilled daily as part of the active aeration process.

19. To generators having submitted a fully completed Waste Information Form on this waste within the last year:

Have any significant changes occurred in this waste material or the process producing this waste since the most recent Waste Information Form was prepared? Yes...[ ] No...[X] If yes, fully describe:

_____

_____

_____

(Use additional sheets if necessary)

*Changes would also include contamination of the waste by materials not normally present in the waste.

20. **GENERATOR'S CERTIFICATION:** I hereby declare that all information submitted in this and all attached documents is true, complete and accurate, and that the contents of this consignment are fully and accurately described above, and the contents of the consignment meet neither the U.S. Environmental Protection Agency Resource Conservation and Recovery Act criteria for a hazardous waste as specified in 40 CFR, Part 261, nor the California Department of Health Services criteria for a hazardous waste or extremely hazardous waste as specified in Title 22, California Administrative Code, Chapter 30.

Print Name: Moody Younger/Mobil Title: Env. Geologist

Signature: Moody Younger grd Date: 11/3/87

For WCCSL Use Only

Form: Partial Complete

Satisfactory: Yes...[ ] No...[ ]

Name:_____

Date:_____

Comment:_____

Compatibility Evaluation
(Circle Appropriate)

Compatible; Incompatible;

Potentially Incompatible;

Accept: Yes...[ ] No...[ ]

Name/Date:_____