BP OIL

BP Oil Company
Aetna Bldg., Suite 360
2868 Prospect Park Drive
Rancho Cordova, California 95670-6020
916/631-0733

91 NOV 21 AM 11:21

November 19, 1991

Ms. Katherine Chesick
Alameda County Hazardous Materials
80 Swan Way, Suite 200
Oakland, CA 94621

RE: BP OIL FACILITY #11270
3255 MC CARTNEY ROAD
ALAMEDA, CALIFORNIA

Dear Ms. Chesick,

Attached please find results of the soil sampling performed at the above referenced facility.

Please call me at 916/631-6919 with any questions regarding this submission.

Respectfully,

Peter J. DeSantis

PJD:lk

Attachment

cc: Rich Hiett - RWQCB, San Francisco Bay Region
Site file

586

KAPREALIAN ENGINEERING, INC.
Consulting Engineers
P.O. BOX 996 • BENICIA, CA 94510
(707) 746-6915 • (707) 746-6916 • FAX: (707) 746-5581

KEI-J90-0514.R1
July 16, 1990

LYNN, FAX Pls copy to Tom SHERFF BRADFORD PROP
- PLS MAKE SURE ALAMEDA CO HEALTH (KATHLENE CHESICK) RECEIVED HER COPY SEE DISTRIBUTION P 4.

Paradiso Construction
P.O. Box 6397
Oakland, CA 94603

Attention: Mr. Paul Paradiso

RE: Soil Sampling Report 1070
BP Service Station
3255 McCartney Road
Alameda, California

Dear Mr. Paradiso:

This report presents the soil sampling performed by Kaprealian Engineering, Inc. (KEI) at the referenced site. All work was performed in compliance with the guidelines established by the Regional Water Quality Control Board (RWQCB), and the Alameda County Health Agency.

The scope of the work performed by KEI consisted of the following:

Coordination with regulatory agencies.

Collection of soil samples from pipe trench sidewalls and beneath the dispensers.

Delivery of samples, including proper Chain of Custody documentation, to a certified analytical laboratory.

Preparation of this report.

SITE DESCRIPTION AND BACKGROUND

The subject site is presently used as a gasoline station. The site is located within a developed shopping center at the north corner of the intersections of Island Drive and McCartney Road on Bay Farm Island in the City of Alameda. The site is situated approximately 4,500 feet south of San Leandro Bay, and approximately 3,500 to 5,400 feet ~~northeast~~ of the present shoreline of San Francisco Bay. A Location Map and Site Plan are attached to this report. No leaks or previous subsurface work performed at the site are known to KEI.

FIELD ACTIVITIES

On May 22, 1990, KEI collected two soil samples from beneath the dispensers during a routine dispenser modification. The samples, labeled P1 and P2, were collected from bulk materials excavated by backhoe at a depth of approximately 4.5 feet below grade. After additional excavation in the area of sample point P1, one soil sample, labeled P1(8), was collected at a depth of approximately 8 feet. Per the direction of Ms. Katherine Chesick of the Alameda County Health Agency, two sidewall samples, labeled SW1 and SW2, were collected from the sidewalls of the trench in the vicinity of sample point P1 at a depth of approximately 4.5 feet. Samples were collected from bulk material excavated by backhoe. Samples were placed in clean, two-inch diameter brass tubes, sealed with aluminum foil, plastic caps and tape, and stored in a cooled ice chest for delivery to a certified laboratory. Sample locations are as shown on the attached Site Plan, Figure 1.

In an attempt to remove as much of the contaminated soil as possible, KEI returned to the site on May 30, 1990, to observe additional soil excavation in the area of sample point SW1, as shown on the attached Site Plan. Soil was excavated 8 feet laterally and to a depth of about 8 feet below grade. Three additional soil samples, labeled SW3, SW4 and SW5, were collected at depths of 8, 4.5 and 4.5 feet, respectively. Ms. Katherine Chesick of Alameda County Health Agency was present during soil sampling. Soil samples were collected and handled as described above. Sample locations are shown on the attached Site Plan. The excavated soil from each area was stockpiled separately on-site. Sample locations are as shown on the attached Site Plan, Figure 2. During excavation, water was observed at a depth of 8 feet. However, after excavating the trench to a depth of 8.5 feet, observed water did not reappear for a period of five days.

In response to Alameda County Health Agency's recommendation stated in the Certified Mailer #P062127806 dated June 1, 1990, sent by Ms. Katherine Chesick to Mr. Lou Parisi of BP Oil Company, KEI returned to the site on June 4, 1990 in order to observe additional soil excavation and determine the vertical and lateral extent of the existing soil contamination. Soil was excavated 7 feet laterally to a depth of about 8 feet below grade in the vicinity of sample points SW4 and SW5, as shown on the attached Site Plan, Figure 2. Four soil samples, labeled SW6, SW7, SW8 and SW9, were collected from bulk material excavated by backhoe at a depth of approximately 4.5 feet. Soil materials were not excavated south of sample point SW3 due to the close proximity of the existing underground fuel tank. Ms. Katherine Chesick was present during the excavation and sampling activities. These samples were also collected in clean two-inch diameter brass tubes, and handled as described above.

REGIONAL GEOLOGY AND SUBSURFACE CONDITIONS

Based on review of regional geologic maps (U.S. Geological Survey Professional Paper 943 "Flatland Deposits - Their Geology and Engineering Properties and Their Importance to Comprehensive Planning" by E.J. Helley and K.R. Lajoie, 1979), the subject site is underlain by Holocene-age Bay Mud materials. Bay Mud is considered an estuarine deposit and typically consists of unconsolidated, water-saturated, dark highly expansive clay and silty clay materials rich in organic materials. Bay Mud can also contain lenses and stringers of well-sorted silt and sand, as well as beds of peat. The Bay Mud materials are underlain at depth by older alluvial materials.

In addition, Bay Farm Island and the subject site are immediately underlain by an undetermined thickness of artificial fill materials.

The subsurface soils exposed in the excavations consisted primarily of clay to a depth of 3.5 feet below grade and sand from 3.5 to 8.5 feet below grade.

ANALYTICAL RESULTS

All samples were analyzed by Sequoia Analytical Laboratory in Redwood City, California and were accompanied by properly executed Chain of Custody documentation. All soil samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline using EPA method 5030 in conjunction with modified 8015, benzene, toluene, xylenes and ethylbenzene using EPA method 8020, and total lead. In addition, sample SW7 was also analyzed for organic lead. Analytical results of the soil samples indicate levels of TPH as gasoline ranging from non-detectable to 15 ppm, except for samples P1, SW1 and SW3, which showed levels of TPH as gasoline at 6,900 ppm, 2,000 ppm and 860 ppm, respectively. However, after additional excavation, analyses of the soil sample P1(8), collected beneath the sample P1 at a depth of approximately 8 feet, indicated 7 ppm of TPH as gasoline. Also after additional excavation laterally in the area of sample points SW1 and SW3, analyses of soil samples SW4 and SW6 indicated TPH as gasoline at 1 ppm and 1.5 ppm, respectively. Total lead showed concentrations ranging from 0.71 ppm to 11 ppm, except for sample SW7, which showed 36 ppm. However, organic lead analysis was non-detectable. Results of the soil analyses are summarized in Table 1. Copies of the laboratory analyses and the chain of custody documentation are attached to this report.

DISTRIBUTION

A copy of this report should be sent to Ms. Katherine Chesick of the Alameda County Health Agency, and to the RWQCB, San Francisco Bay Region.

LIMITATIONS

Soil deposits and rock formations may vary in thickness, lithology, saturation, strength and other properties across any site. In addition, environmental changes, either naturally-occurring or artificially-induced, may cause changes in the extent and concentration of any contaminants. Our studies assume that the field and laboratory data are reasonably representative of the site as a whole, and assume that subsurface conditions are reasonably conducive to interpolation and extrapolation.

The results of this study are based on the data obtained from the field and laboratory analyses obtained from a state certified laboratory. We have analyzed this data using what we believe to be currently applicable engineering techniques and principles in the Northern California region. We make no warranty, either expressed or implied, regarding the above, including laboratory analyses, except that our services have been performed in accordance with generally accepted professional principles and practices existing for such work.

Should you have any questions regarding this report, please feel free to call me at (707) 746-6915.

Sincerely,

Kaprealian Engineering, Inc.

Hagop Kevork
Civil Engineer

Don R. Braun
Certified Engineering Geologist

License No. 1310
Exp. Date 6/30/92

Mardo Kaprealian
President

jad

Attachments: Table 1
Location Map
Site Plans - Figures 1 & 2
Laboratory Analyses
Chain of Custody documentation

KEI-J90-0514.R1
July 16, 1990

TABLE 1

SUMMARY OF LABORATORY ANALYSES
SOIL

(Samples collected on May 22 & 30, and June 4, 1990)

Sample	Depth (feet)	TPH as Gasoline	Benzene	Toluene	Xylenes	Ethyl-benzene	Total Lead
SW1	4.5	2,000	18	56	270	39	6.5
SW2	4.5	8.0	0.31	0.084	1.2	0.26	1.7
SW3	8.0	860	5	2.8	13	7.5	5.7
SW4	4.5	1.0	0.0090	0.017	0.030	0.0099	0.71
SW5	4.5	15	0.035	0.26	0.49	0.14	2.1
SW6	4.5	1.5	0.0079	0.0052	0.069	0.023	2.9
SW7*	4.5	ND	0.034	0.0073	0.076	0.042	36
SW8	4.5	ND	0.010	0.0098	0.035	0.016	5.8
SW9	4.5	ND	0.024	ND	0.026	0.020	11
P1	4.5	6,900	70	260	700	120	0.91
P1(8)	8.0	7.0	1.0	0.025	0.47	0.19	1.7
P2	4.5	ND	0.0058	0.0050	0.023	0.010	1.6
Detection Limits		1.0	0.0050	0.0050	0.0050	0.0050	0.25

Concentrations left in place.

* Organic lead was non-detectable.

ND = Non-detectable.

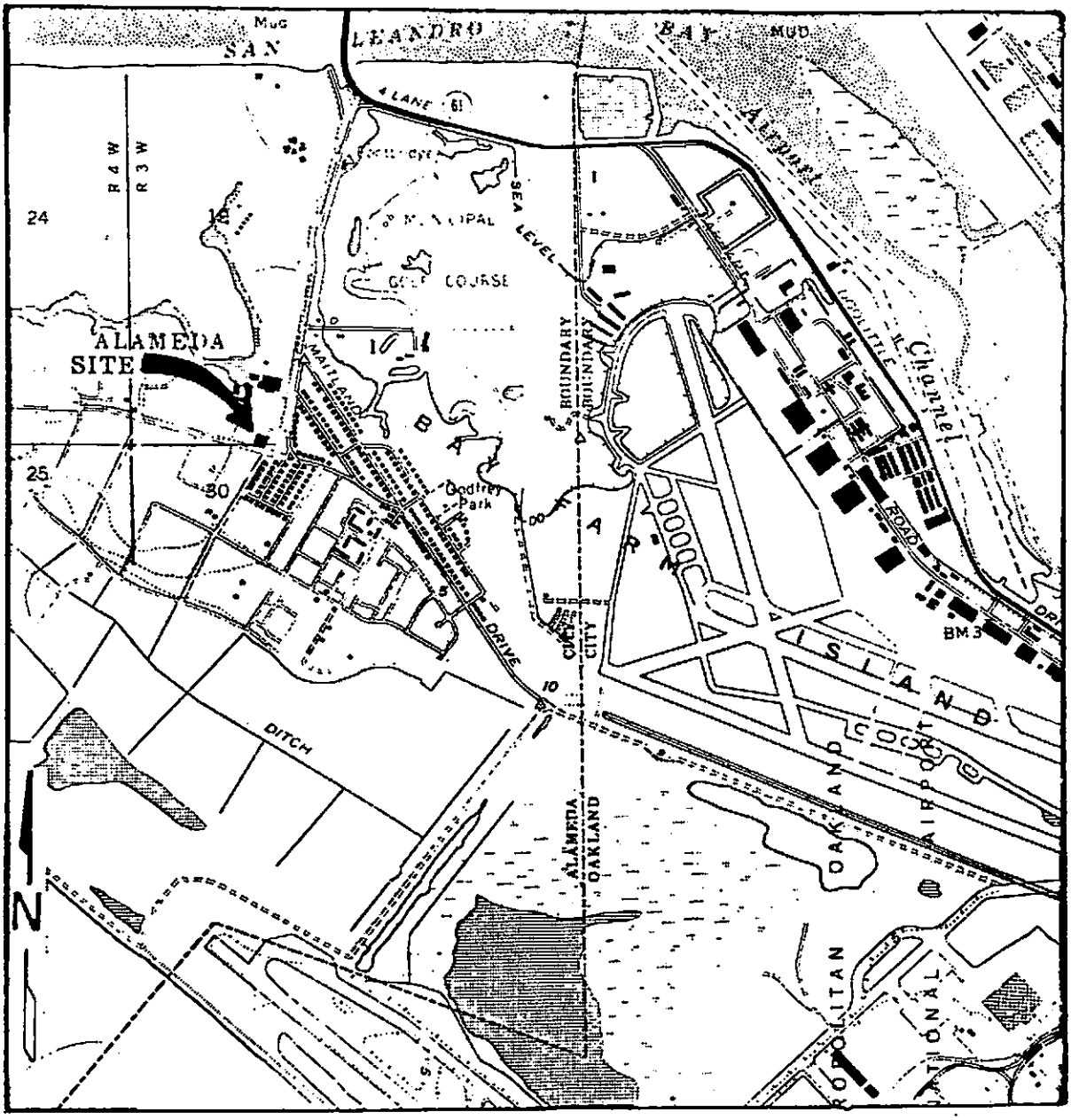
Results are in parts per million (ppm), unless otherwise indicated.

KAPREALIAN ENGINEERING, INC.

Consulting Engineers

P.O. BOX 996 • BENICIA, CA 94510

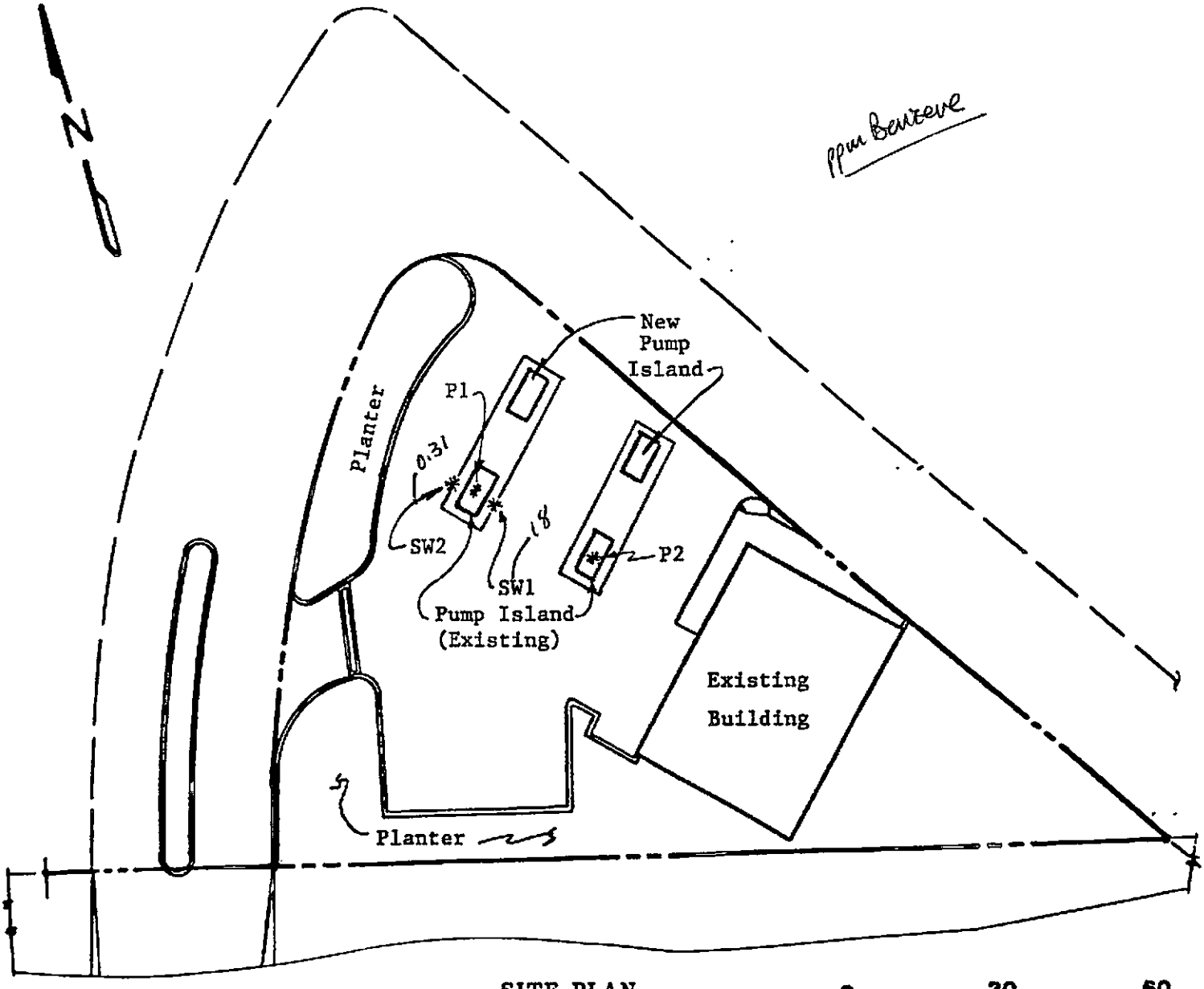
(707) 746-6915 • (707) 746-6916 • FAX: (707) 746-5581



LOCATION MAP

BP Service Station
3255 McCartney Road
Alameda, California

KAPREALIAN ENGINEERING, INC.
Consulting Engineers
P.O. BOX 996 • BENICIA, CA 94510
(707) 746-6915 • (707) 746-6916 • FAX: (707) 746-5581



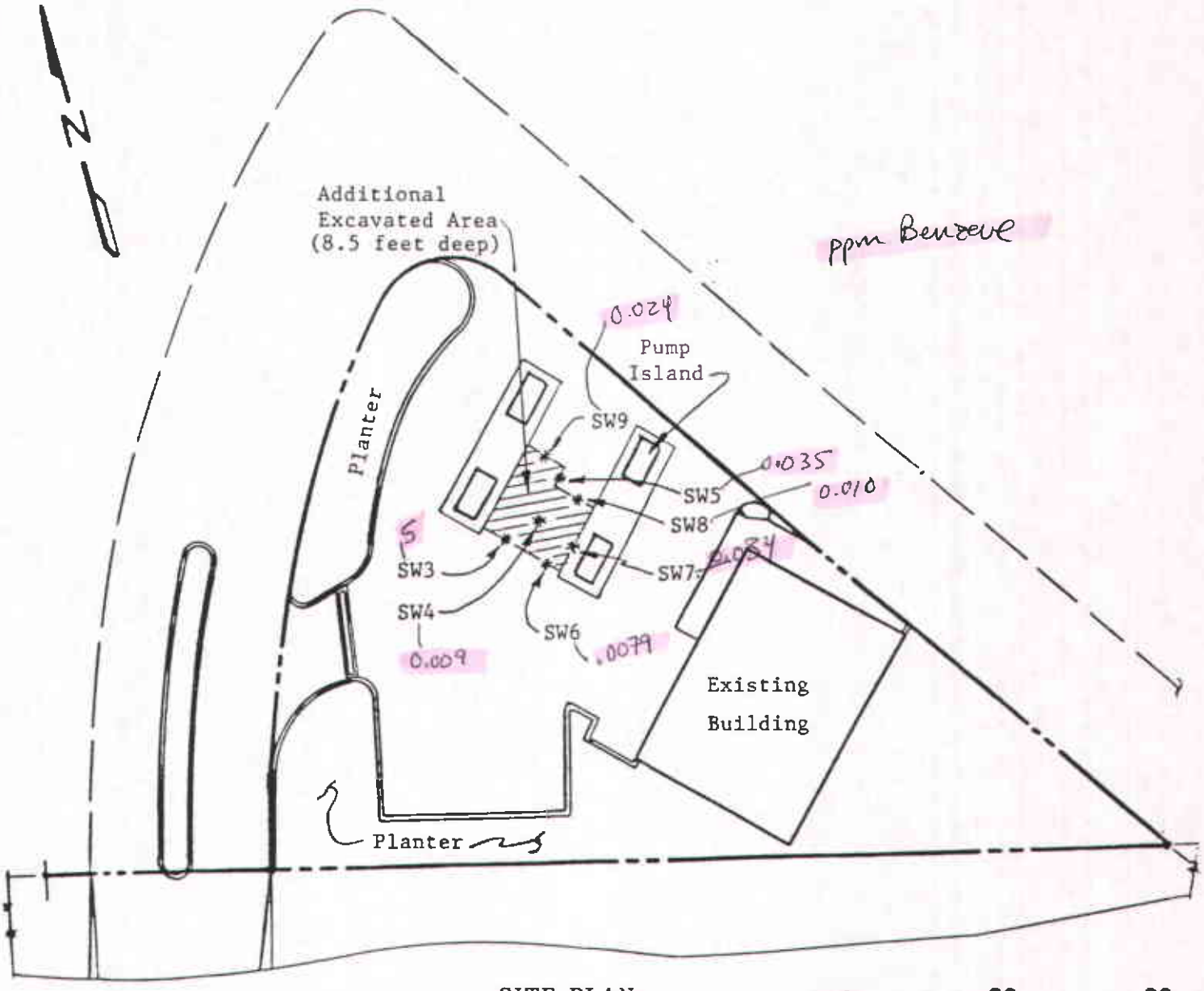
SITE PLAN
Figure 1

LEGEND

* Soil Sample Point Location

BP Service Station
3255 McCartney Road
Alameda, California

KAPREALIAN ENGINEERING, INC.
Consulting Engineers
P.O. BOX 996 • BENICIA, CA 94510
(707) 746-6915 • (707) 746-6916 • FAX: (707) 746-5581



SITE PLAN
Figure 2

0 30 60
Approx. Scale feet

LEGEND

* Soil Sample Point Location

BP Service Station
3255 McCartney Road
Alameda, California

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Kaprealian Engineering, Inc.	Client Project ID:	BP, Alameda, 3255 McCartney Rd	Sampled:	May 22, 1990
P.O. Box 996	Matrix Descript:	Soil	Received:	May 22, 1990
Benicia, CA 94510	Analysis Method:	EPA 5030/8015/8020	Analyzed:	May 23, 1990
Attention: Mardo Kaprealian, P.E.	First Sample #:	005-3515	Reported:	May 24, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
005-3515	P1	6,900	70	260	120	700
005-3516	P2	N.D.	0.0058	0.0050	0.010	0.023
005-3517	P1 (8)	7.0	1.0	0.025	0.19	0.47
005-3518	SW1	2,000	18	56	39	270
005-3519	SW2	8.0	0.31	0.084	0.26	1.2
Detection Limits:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.0050**

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Belinda C. Vega
Project Manager

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Kaprealian Engineering, Inc.	Client Project ID:	BP, Alameda, 3255 McCartney Rd	Sampled:	May 22, 1990
P.O. Box 996	Sample Descript:	Soil	Received:	May 22, 1990
Benicia, CA 94510	Analysis for:	Lead	Extracted:	May 22, 1990
Attention: Mardo Kaprealian, P.E.	First Sample #:	005-3515	Analyzed:	May 23, 1990
			Reported:	May 24, 1990

LABORATORY ANALYSIS FOR: Lead

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg
005-3515	P1	0.25	0.91
005-3516	P2	0.25	1.6
005-3517	P1 (8)	0.25	1.7
005-3518	SW1	0.25	6.5
005-3519	SW2	0.25	1.7

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Belinda C. Vega
Project Manager

KAPREALIAN ENGINEERING, INC.

CHAIN OF CUSTODY

SAMPLER: Haig

WITNESSING AGENCY:

SITE NAME & ADDRESS: BP Station – Alameda, 3255 McCartney Rd

ANALYSES REQUESTED: TPH-D; BTEX; Total Lead

TURN AROUND TIME: 24 Hrs

SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	REMARKS
P1	5/22/90		✓		✓		1	Beneath dispenser	005351S
P2	5/22/90		✓		✓		1	Beneath dispenser	005351G
P1(8)	5/22/90		✓		✓		1	Beneath dispenser	005351T
SW1	5/22/90		✓		✓		1	Sidewall	005351S
SW2	5/22/90		✓		✓		1	Sidewall	005351S

	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
1	Haig P. Kevorkian	5/23/5:10	
2	Relinquished by: (Signature)	Date/Time 5.22.90 7:00P	Received by: (Signature)
3	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
4	Relinquished by: (Signature)	Date/Time	Received by: (Signature)

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? yes
2. Will samples remain refrigerated until analyzed? yes
3. Did any samples received for analysis have head space? no
4. Were samples in appropriate containers and properly packaged? yes

Signature | Title | Date: 5/22/90

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Kaprealian Engineering, Inc.	Client Project ID:	BP, Alameda, 3255 McCartney Rd.	Sampled:	May 30, 1990
P.O. Box 996	Matrix Descript:	Soil	Received:	May 30, 1990
Benicia, CA 94510	Analysis Method:	EPA 5030/8015/8020	Analyzed:	May 31, 1990
Attention: Mardo Kapreallan, P.E.	First Sample #:	005-4614	Reported:	Jun 1, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
005-4614	SW3	860	5.0	2.8	7.5	13
005-4615	SW4	1.0	0.0090	0.017	0.0099	0.030
005-4616	SW5	15	0.035	0.26	0.14	0.49
Detection Limits:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.0050**

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Belinda C. Vega
Project Manager

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Kaprealian Engineering, Inc.	Client Project ID:	BP, Alameda, 3255 McCartney Rd.	Sampled:	May 30, 1990
P.O. Box 996	Sample Descript:	Soil	Received:	May 30, 1990
Benicia, CA 94510	Analysis for:	Lead	Extracted:	May 31, 1990
Attention: Mardo Kaprealian, P.E.	First Sample #:	005-4614	Analyzed:	May 31, 1990
			Reported:	Jun 1, 1990

LABORATORY ANALYSIS FOR: Lead

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg
005-4614	SW3	0.25	5.7
005-4615	SW4	0.25	0.71
005-4616	SW5	0.25	2.1

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Belinda C. Vega
Project Manager

KAPREALIAN ENGINEERING, INC.

CHAIN OF CUSTODY

SAMPLER: [signature]

WITNESSING AGENCY

SITE NAME & ADDRESS: B.P. - Alameda - 3255 McCartney Rd.

ANALYSES REQUESTED: TPH-G; BTXE; Total Lead

TURN AROUND TIME: 24 Hrs.

SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	TPH-G	BTXE	Total Lead	REMARKS
SW3	5/30	8:45	x		x		1	Side Wall	x	x	x	0054614
SW4	5/30	8:55	x		x		1	Side wall	x	x	x	615
SW5	5/30	9:11	x		x		1	Side wal	x	x	x	616

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	5/30/1990	
[signature]	5-30-90 12:15	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time 5/30 5:25	Received by: (Signature) [signature]

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? ✓
2. Will samples remain refrigerated until analyzed? ✓
3. Did any samples received for analysis have head space? NO
4. Were samples in appropriate containers and properly packaged? ✓

[signature] — Signature; SR — Title; 5/30 — Date

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Kaprealian Engineering, Inc.	Client Project ID:	BP, Alameda, 3255 McCartney	Sampled:	Jun 4, 1990
P.O. Box 996	Matrix Descript:	Soil	Received:	Jun 4, 1990
Benicia, CA 94510	Analysis Method:	EPA 5030/8015/8020	Analyzed:	Jun 5, 1990
Attention: Mardo Kaprealian, P.E.	First Sample #:	006-0223	Reported:	Jun 6, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
006-0223	SW6	1.5	0.0079	0.0052	0.023	0.069
006-0224	SW7	N.D.	0.034	0.0073	0.042	0.076
006-0225	SW8	N.D.	0.010	0.0098	0.016	0.035
006-0226	SW9	N.D.	0.024	N.D.	0.020	0.026

Detection Limits:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.0050**

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Belinda C. Vega
Project Manager

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Kaprealian Engineering, Inc.	Client Project ID:	BP, Alameda, 3255 McCartney	Sampled:	Jun 4, 1990
P.O. Box 996	Sample Descript:	Soil	Received:	Jun 4, 1990
Benicia, CA 94510	Analysis for:	Total Lead		
Attention: Mardo Kaprealian, P.E.	First Sample #:	006-0223	Analyzed:	Jun 5, 1990
			Reported:	Jun 6, 1990

LABORATORY ANALYSIS FOR: Total Lead

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg
006-0223	SW6	0.25	2.9
006-0224	SW7	0.25	36
006-0225	SW8	0.25	5.8
006-0226	SW9	0.25	11

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Belinda C. Vega
Project Manager

KAPREALIAN ENGINEERING, INC.

CHAIN OF CUSTODY

SAMPLER: [signature]

WITNESSING AGENCY:

SITE NAME & ADDRESS: B.P. - Alameda - 5255 McCartney Rd.

ANALYSES REQUESTED: TPH G; BTEX; TOTAL LEAD

TURN AROUND TIME: 24 HRS.

SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION		REMARKS
SW6	6/4	8:20	X		X		1	Sidewalls (Pipetrench)	0006223	Please have results by 1:00 p.m. on 6/5/90. Thanx.
SW7	6/4	8:25	X		X		1	Sidewalls (")	0006224	
SW8	6/4	8:35	X		X		1	Sidewalls (")	0006225	
SW9	6/4	9:25	X		X		1	Sidewalls (")	0006226	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	6/4/90 1:15	[signature]
[signature]	6/4/90 1555	[signature]

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? YES
2. Will samples remain refriperated until analyzed? YES
3. Did any samples received for analysis have head space? ~~YES~~ NO
4. Were samples in appropriate containers and properly packaged? YES

[signature] — Signature; Title; 6/4/90 — Date

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Kaprealian Engineering, Inc.	Client Project ID:	BP, Alameda, 3255 McCartney	Sampled:	Jun 4, 1990
P.O. Box 996	Sample Descript:	Soil	Received:	Jun 4, 1990
Benicia, CA 94510	Analysis Method:	California LUFT Manual, 12/87		
Attention: Mardo Kaprealian, P.E.	First Sample #:	006-0224	Analyzed:	Jun 6, 1990
			Reported:	Jun 7, 1990

ORGANIC LEAD

Sample Number	Sample Description	Sample Results mg/kg (ppm)
006-0224	SW7	N.D.

Detection Limits:	2.5

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Belinda C. Vega
Project Manager

KAPREALIAN ENGINEERING, INC.

CHAIN OF CUSTODY

SAMPLER: [illegible]

WITNESSING AGENCY

SITE NAME & ADDRESS: D.P. - Alameda - 5255 McCartney Rd.

ANALYSES REQUESTED: TPH G; BTEX; TOTAL LEAD

TURN AROUND TIME: 24 HRS.

SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION		REMARKS
SW6	6/4	8:20	X		X		1	Sidewalls (Pipetrench)	0060223	Please have results by 1:00 p.m. on 6/5/90. Thanx.
SW7	6/4	8:25	X		X		1	Sidewalls (")	0060224	
SW8	6/4	8:35	X		X		1	Sidewalls (")	0060225	
SW9	6/4	9:25	X		X		1	Sidewalls (")	0060226	

	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
1	[signature]	6/4/90 1155	[signature] Adam
2	[signature] Adam	6/4/90 1555	[signature]
3			
4			

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? YES
2. Will samples remain refrigerated until analyzed? YES
3. Did any samples received for analysis have head space? ~~YES~~ NO
4. Were samples in appropriate containers and properly packaged? YES

[signature] — Signature; Title; 6/4/90 — Date

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Kaprealian Engineering, Inc.	Client Project ID:	BP, Alameda, 3255 McCartney	Sampled:	Jun 4, 1990
P.O. Box 996	Sample Descript:	Soil, SW7	Received:	Jun 4, 1990
Benicia, CA 94510			Extracted:	Jun 7, 1990
Attention: Mardo Kaprealian, P.E.	Lab Number:	006-0224	Analyzed:	Jun 7, 1990
			Reported:	Jun 7, 1990

LABORATORY ANALYSIS

Analyte	Detection Limit mg/L	Sample Results mg/L
Lead (STLC)	0.0050	1.2

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Belinda C. Vega
Project Manager

KAPREALIAN ENGINEERING, INC.

CHAIN OF CUSTODY

SAMPLER: [signature]

WITNESSING AGENCY

SITE NAME & ADDRESS: B.P. - Alameda - 3255 McCartney Rd.

ANALYSES REQUESTED: TPH G; BTEX; TOTAL LEAD

TURN AROUND TIME: 24 HRS.

SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	
SW6	6/4	8:20	X		X		1	Sidewalls (Pipetrench)	00060223
SW7	6/4	8:25	X		X		1	Sidewalls (")	00060224
SW8	6/4	8:35	X		X		1	Sidewalls (")	00060225
SW9	6/4	9:25	X		X		1	Sidewalls (")	00060226

REMARKS: Please have results by 1:00 p.m. on 6/5/90. Thank.

Relinquished by: (Signature) [signature]	Date/Time 6/4/90 12:15	Received by: (Signature) [signature]
Relinquished by: (Signature) [signature]	Date/Time 6/4/90 15:55	Received by: (Signature) [signature]
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
: (Signature)	Date/Time	Received by: (Signature)

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? YES
2. Will samples remain refrigerated until analyzed? YES
3. Did any samples received for analysis have head space? NO
4. Were samples in appropriate containers and properly packaged? YES

[signature] — Signature; Title; 6/4/90 — Date