KAPREALIAN ENGINEERING
INCORPORATED

April 17, 1995

Alameda County Health Care Services
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Attention: Mr. Scott Seery

RE: Unocal Service Station #7376
4191 - 1st Street
Pleasanton, California

Dear Mr. Seery:

Per the request of Mr. Robert A. Boust of Unocal Corporation, enclosed please find our report dated April 11, 1995, for the above referenced site.

If you should have any questions, please feel free to call our office at (510) 602-5100.

Sincerely,

Kaprealian Engineering, Inc.

Judy A. Dewey
Executive Secretary

jad\82

Enclosure

cc: Robert A. Boust, Unocal Corporation

2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel: 510.602.5100 Fax: 510.687.0602

KAPREALIAN ENGINEERING
INCORPORATED

KEI-P94-0903.R2
April 11, 1995

Unocal Corporation
2000 Crow Canyon Place, Suite 400
P.O. Box 5155
San Ramon, California 94583

Attention: Mr. Robert A. Boust

RE: Soil Disposal for
Unocal Service Station #7376
4191 - 1st Street
Pleasanton, California

Dear Mr. Boust:

This report summarizes the analytical results of the composite soil sample that was collected from the drill cutting soil at the referenced site. The soil analyses were conducted to comply with the local regulatory agency requirements for proper disposal of potentially contaminated soil.

On February 7, 1995, Kaprealian Engineering, Inc., collected a soil sample from approximately 3 cubic yards of soil (designated by Comp S1 on the attached Figure 1) that had been generated during the drilling of monitoring well (MW2B), exploratory boring (EB1), and the destruction of monitoring well (MW2). One composite soil sample (identified as Comp S1) was collected. The composite sample consisted of four individual grab samples taken at a depth of approximately 2 feet into the stockpile. The individual samples were collected in two-inch diameter, clean brass tubes, that were then sealed with Teflon-lined plastic caps, and placed in a cooled ice chest for subsequent delivery to a certified laboratory for analysis. The sample was subsequently composited and analyzed by Sequoia Analytical Laboratory in Concord, California, and was accompanied by properly executed Chain of Custody documentation.

The composite soil sample was analyzed to determine concentrations of total petroleum hydrocarbons (TPH) as gasoline by EPA method 5030/modified 8015, benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8020, and total lead by EPA method 6010. The 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.

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Based on the analytical results of the composite soil sample, approximately 3 cubic yards of soil, represented by sample Comp S1, was profiled for disposal to Forward Landfill, Inc., in Manteca, California (an approved Class II/III disposal facility). The soil was subsequently approved for disposal on March 1, 1995. On March 22, 1995, Manley & Sons in Sacramento, California, transported and disposed of 3 cubic yards of soil to Forward Landfill.

Should you have any questions on this report, please do not hesitate to contact me at (510) 602-5100.

Sincerely,

Kaprealian Engineering, Inc.

Dennis Royce

Dennis Royce
Technical Assistant

/dr

Attachments: Table 1
Figure 1
Laboratory Analyses
Chain of Custody documentation

TABLE 1

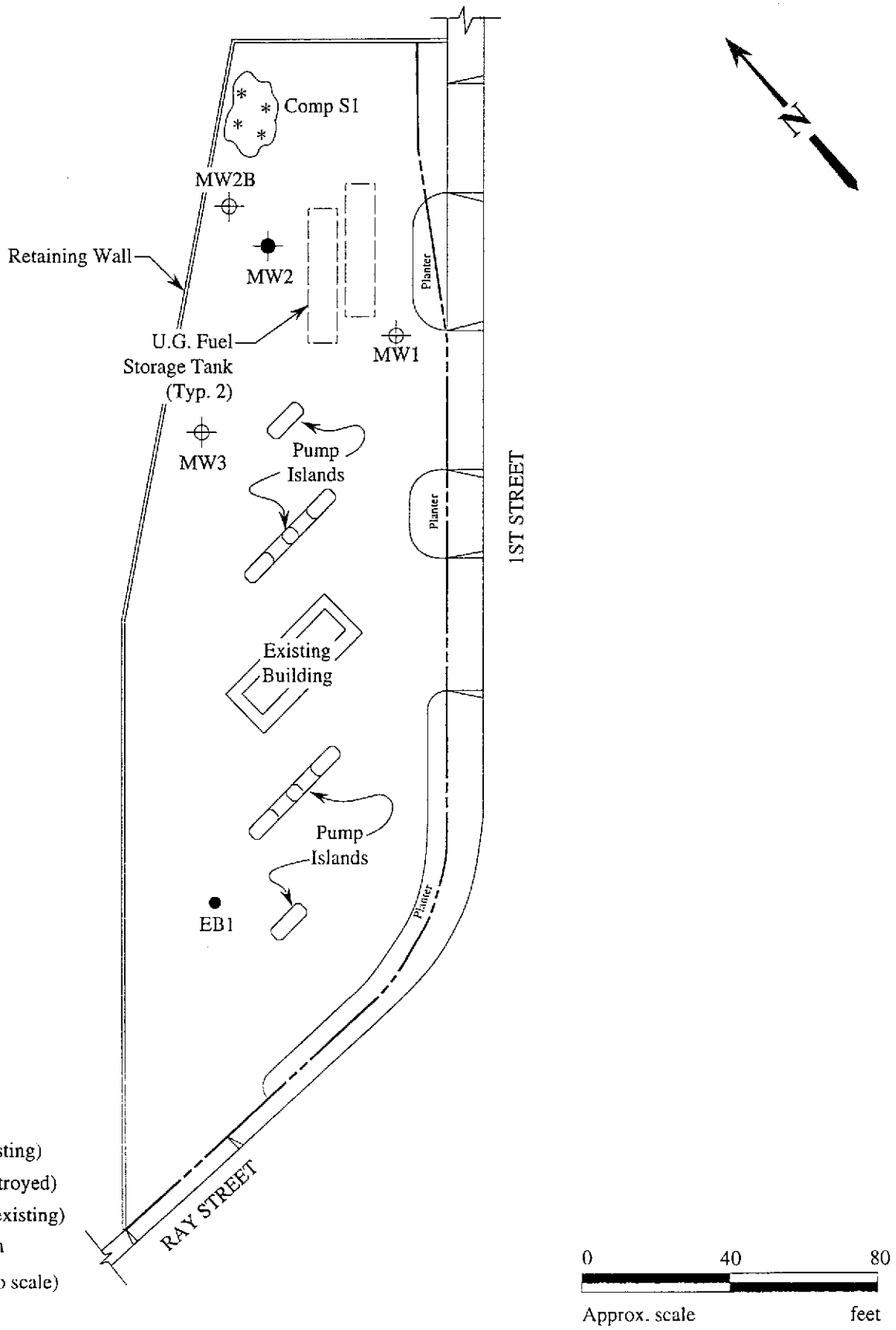
SUMMARY OF LABORATORY ANALYSES

(Collected on February 7, 1995)

Sample	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes	Total Lead
Comp S1	250	0.61	0.74	1.0	5.9	5.9

ND = Non-detectable.

Results are in milligrams per kilogram (mg/kg), unless otherwise indicated.



STOCKPILED SOIL MAP

KAPREALIAN ENGINEERING
INCORPORATED

UNOCAL SERVICE STATION #7376
4191 1ST STREET
PLEASANTON, CALIFORNIA

FIGURE
1

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.	Client Project ID:	Unocal #7376, 4191 1st Street, Pleasanton	Sampled:	Feb 7, 1995
2401 Stanwell Dr., Ste. 400	Sample Matrix:	Soil	Received:	Feb 8, 1995
Concord, CA 94520	Analysis Method:	EPA 5030/8015/8020	Reported:	Feb 9, 1995
Attention: Avo Avedissian	First Sample #:	502-0489		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 502-0489 Comp. S1
Purgeable Hydrocarbons	1.0	250
Benzene	0.0050	0.61
Toluene	0.0050	0.74
Ethyl Benzene	0.0050	1.0
Total Xylenes	0.0050	5.9
Chromatogram Pattern:		Gasoline and Unidentified Hydrocarbons >C9

Quality Control Data

Report Limit Multiplication Factor:	50
Date Analyzed:	2/8/95
Instrument Identification:	HP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	108

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

5020489.KEI <1>

Sequoia Analytical

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Kaprealian Engineering, Inc.
2401 Stanwell Dr., Ste. 400
Concord, CA 94520
Attention: Avo Avedissian

Client Project ID: Unocal #7376, 4191 1st Street, Pleasanton
Matrix: Solid
QC Sample Group: 502-0489
Reported: Feb 9, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	A. Tuzon	A. Tuzon	A. Tuzon	A. Tuzon
MS/MSD Batch#:	5011376	5011376	5011376	5011376
Date Prepared:	2/8/95	2/8/95	2/8/95	2/8/95
Date Analyzed:	2/8/95	2/8/95	2/8/95	2/8/95
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg
Matrix Spike % Recovery:	103	105	113	113
Matrix Spike Duplicate % Recovery:	93	100	103	106
Relative % Difference:	10	4.9	9.3	6.4
LCS Batch#:	1LCS020895	1LCS020895	1LCS020895	1LCS020895
Date Prepared:	2/8/95	2/8/95	2/8/95	2/8/95
Date Analyzed:	2/8/95	2/8/95	2/8/95	2/8/95
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
LCS % Recovery:	102	103	112	110
% Recovery Control Limits:	55-145	47-149	47-155	56-140

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

UNOCAL 76

☐ 680 Chesapeake Drive • Redwood City, CA 94063 • (415) 364-9600
☐ 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600
☐ 1900 Bates Ave., Suite LM • Concord, CA 94520 • (510) 686-9600
☐ 18939 120th Ave., N.E., Suite 101 • Bothell, WA 98011 • (206) 481-9200
☐ East 11115 Montgomery, Suite B • Spokane, WA 99206 • (509) 924-9200
☐ 15055 S.W. Sequoia Pkwy, Suite 110 • Portland, OR 97222 • (503) 624-9800

Company Name: Kaprealian Engineering, Inc.	Project Name: 4191 - 1st Street, Pleasanton
Address: 2401 Stanwell Dr., Suite 400	UNOCAL Project Manager: Bob Barat
City: Concord State: CA Zip Code: 94520	Release #:
Telephone: (510) 602-5100 FAX #: (510) 687-0602	Site #: 7376
Report To: Avo Sampler: Tom Seeliger	QC Data: ☒ Level D (Standard) ☐ Level C ☐ Level B ☐ Level A

Turnaround Time: ☐ 10 Work Days ☐ 5 Work Days ☐ 3 Work Days ☐ 2 Work Days ☒ 1 Work Day ☐ 2-8 Hours

CODE: ☐ Misc. ☒ Detect. ☐ Eval. ☐ Remed. ☐ Demol. ☐ Closure

☐ Drinking Water ☐ Waste Water ☒ Other

Analyses Requested: TPH-G, BTEX

	Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Laboratory Sample #	TPH-G	BTEX							Comments
1.	Comp. S1	2/7/95	soil	4	tube	5020489 AD	X	X							
2.															
3.															
4.															
5.															
6.															
7.															
8.															
9.															
10.															

Relinquished By: Tom Seeliger	Date: 2/8/95	Time: 11:45	Received By: [signature]	Date: 2/8/95	Time: 11:45 Am
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab:	Date:	Time:

Were Samples Received in Good Condition? ☐ Yes ☐ No Samples on Ice? ☐ Yes ☐ No Method of Shipment _____ Page 1 of 1

To be completed upon receipt of report:
1) Were the analyses requested on the Chain of Custody reported? ☐ Yes ☐ No If no, what analyses are still needed?
2) Was the report issued within the requested turnaround time? ☐ Yes ☐ No If no, what was the turnaround time?

Approved by: _____ Signature: _____ Company: _____ Date: _____

Pink - Client
Yellow - Laboratory
White - Laboratory

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.	Client Project ID:	Unocal #7376, 4191 1St Street, Pleasanton	Sampled:	Feb 7, 1995
2401 Stanwell Dr., Ste. 400	Sample Descript:	Soil	Relogged:	Feb 10, 1995
Concord, CA 94520	Analysis for:	Lead	Extracted:	Feb 22, 1995
Attention: Dennis Royce	First Sample #:	502-0489	Analyzed:	Feb 22, 1995
			Reported:	Mar 1, 1995

LABORATORY ANALYSIS FOR: Lead

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg
502-0489	Comp. S1	1.0	5.9

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

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.
2401 Stanwell Dr., Ste. 400
Concord, CA 94520
Attention: Dennis Royce

Client Project ID: Unocal #7376, 4191 1St Street, Pleasanton
Matrix: Solid
QC Sample Group: 502-0489
Reported: Mar 1, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	Lead
Method:	EPA 6010
Analyst:	K. Anderson
MS/MSD Batch#:	5020489
Date Prepared:	2/22/95
Date Analyzed:	2/22/95
Instrument I.D.#:	Liberty-100
Conc. Spiked:	50 mg/kg
Matrix Spike % Recovery:	96
Matrix Spike Duplicate % Recovery:	96
Relative % Difference:	0.0
LCS Batch#:	BLK022295
Date Prepared:	2/21/95
Date Analyzed:	2/22/95
Instrument I.D.#:	Liberty-100
LCS % Recovery:	102
% Recovery Control Limits:	75-125

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Please Note:
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SEQUOIA ANALYTICAL/UNOCAL RELOG SHEET

CLIENT:	KEI	DATE RELOG:	2/10/95
PROJECT ID:	Unocal #7376, Pleasanton	DATE DUE:	2/27/95
PROJ. MANAGER:	Alan Kemp	DATE SAMP:	2/7/95
DATE REC'D: 2/8/95	MATRIX: Soil	T.A.T.	10d

PREVIOUSLY LOGGED SAMPLES

[ ] TAT Change status to: 0

Change status as of Day: 2/10/95 Time: 11:10 AM

[X] CHANGE ANALYSES

Add Analyses [X]
Cancel Analyses [ ]

Sequoia Project ID: 9502109

Sample Number	Analyses
5020489	Total Pb
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA

SAMPLES ON HOLD

Add analyses

Sample Description	Analyses
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA
NA	NA

TAT 0

Client Authorization (Person/Date/Time): Dennis 2/10/95 11:10 AM

Project Manager:

(Please submit to Sample Control with a copy of the COC & log-in sheets)

To be completed upon receipt of report:

1) Were the analyses requested on the Chain of Custody reported? ___Yes ___No If no, what analyses are still needed?

2) as the report issued within the requested turnaround time? ___Yes ___No If no, what was the turnaround time?

Approved by: Signature: Company:

UNOCAL 76

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1900 Bates Ave., Suite LM • Concord, CA 94520 • (510) 686-9600
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Company Name: Kaprealian Engineering, Inc.	Project Name: 4191 - 1st Street, Pleasanton
Address: 2401 Stanwell Dr., Suite 400	UNOCAL Project Manager: Bob Baust
City: Concord State: CA Zip Code: 94520	Release #:
Telephone: (510) 602-5100 FAX #: (510) 687-0602	Site #: 7376
Report To: AVO Sampler: Tom Seeliger	QC Data: ☒ Level D (Standard) ☐ Level C ☐ Level B ☐ Level A

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1.	Comp. S1	2/7/95	soil	4	tube	5020489 AD	X	X	
2.									
3.									
4.									
5.									
6.									
7.									
8.									
9.									
10.									

Relinquished By: Tom S. Seeliger	Date: 2/8/95	Time: 11:45	Received By: [signature]	Date: 2/8/95	Time: 11:45 AM
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab:	Date:	Time:

Were Samples Received in Good Condition? ☐ Yes ☐ No Samples on Ice? ☐ Yes ☐ No Method of Shipment _____ Page 1 of 1

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2) Was the report issued within the requested turnaround time? ☐ Yes ☐ No If no, what was the turnaround time? _____

Approved by: _____ Signature: _____ Company: _____ Date: _____

Pink - Client
Yellow - Laboratory
White - Laboratory