



ENVIRONMENTAL  
PROTECTION  
96 NOV 19 AM 9:37

November 12, 1996

**ENV - STUDIES, SURVEYS & REPORTS**

**Former Texaco Service Station**  
1127 Lincoln Avenue, Alameda, CA  
EBMUD Account No. 502-74621

Mr. Raymond Maxwell  
East Bay Municipal Utility District  
Source Control Division, M.S. 702  
P.O. Box 24055  
375 11th Street  
Oakland, California 94623

*Discontinuation  
of extract; Sept  
& approved in County  
Sept 11 1996  
letter.*

Dear Mr. Maxwell:

Enclosed is the *Semi-Annual Self-Monitoring Report Summary* for the subject site. Texaco has obtained permission in a letter from the Alameda County Health Care Services Agency to cease operation of the remediation system which produces the wastewater discharge, and the system has not operated since August 8, 1996. At this time Texaco does not intend to resume operation of the system or to discharge water to the EBMUD sanitary sewers. **Therefore, we request that our discharge permit be rescinded.**

Regarding the above-referenced report, I certify under penalty of law that, to the best of my knowledge, this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Any questions regarding this report may be directed to me at (510) 236-9139.

Best Regards,  
Texaco Refining and Marketing, Inc.

Karen E. Petryna, P.E.  
Project Manager  
Environment Health & Safety

KEP:hs  
U 1127 WWCNCLRM

Mr. Raymond Maxwell  
November 12, 1996  
Page 2

Enclosure

cc: Ms. Juliet Shin (w/ enclosure)  
Senior Hazardous Materials Specialist  
Alameda County Health Care Services  
1131 Harbor Bay Pkwy., #250  
Alameda, CA 94502-6577

Mr. Sarkis Soghomonian (w/o enclosure)  
Kaprealian Engineering, Inc.  
2401 Stanwell Dr., Suite 400  
Concord, CA 94520

RRZielinski (w/o enclosure)  
RAOFile-UCPFile(w/ enclosure)

PR RD

1127 LINCOLN AVENUE  
ALAMEDA, CALIFORNIA

**PERMIT INFORMATION**

EBMUD Permit Number: 502-74621

Sampling Frequency: Quarterly

Constituents Analysed: TPH-g & BTEX

Reporting Period: 7/1/96 - 11/30/96

Report Due: 12/31/96

**PERMITTEE**

Texaco Environmental Services  
108 Cutting Boulevard  
Richmond, California 94804

Contact: Karen E. Petryna  
Telephone: (510) 236-9139  
Faximile: (510) 237-7821

**CONSULTANT**

Kaprealian Engineering, Inc. (KEI)  
2401 Stanwell Drive, Suite 400  
Concord, California 94520

Contact Sarkis A Soghomonian  
Telephone (510) 602-5106  
Faximile (510) 687-0602

1127 Lincoln Avenue, Alameda, CA

Summary of Laboratory Analyses  
Water

Sample Date	Sample Identification	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes
7/17/96	Influent	<50	1.1	<0.5	<0.5	0.90
	Midfluent	<50	<0.5	<0.5	<0.5	<0.5
	Effluent	<50	<0.5	<0.5	<0.5	<0.5

Remedial System Effluent Discharge Summary

Date	Flow Rate (gpm)	Flow Totalizer gallons	Cumulative gallons
8/6/96	*	*	*
7/31/96	6	2,191,394	1,729,123
7/22/96	6	2,191,146	1,728,875
7/17/96	4	2,191,021	1,728,627
7/8/96	6.3	2,184,350	1,728,502
7/2/96	5.5	2,184,350	1,721,831
6/25/96	6.5	2,180,029	1,721,831
6/18/96	6	2,172,993	1,717,510
Total discharged to date			1,710,474

Average Flow Rate This Period	0.29 gpm
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Volume Discharged This Period	18,401 gal.
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\* System was off upon arrival.

801 Western Avenue  
 Glendale, CA 91201  
 818/247-5737  
 Fax: 818/247-9797

LOG NO: G96-07-455

Received: 17 JUL 96

Mr. John Giddings  
 Kaprelian Engineering, Inc.  
 2401 Stanwell Drive, Suite 400  
 Concord, California 94520

Purchase Order: 94-1446346+4370

Requisition: 624881450  
 Project: FKEP1001L

REPORT OF ANALYTICAL RESULTS

Page 2

AQUEOUS

SAMPLE DESCRIPTION	DATE SAMPLED	TPH/BTEX (CADHS/8020)	ANALYTICAL DATA							
			Date Analyzed Date	Dilution Factor Times	TPH-g ug/L	Benzene ug/L	Toluene ug/L	Ethyl- Benzene ug/L	Total Xylenes Isomers ug/L	Carbon Range
RDI				1	50	0.5	0.5	0.5	0.5	
3*A-Inf	07/17/96	07/18/96		1	<50	1.1	<0.5	<0.5	0.90	C6-C12
4*B-B1-L	07/17/96	07/18/96		1	<50	<0.5	<0.5	<0.5	<0.5	C6-C12
5*C-Lff	07/17/96	07/18/96		1	<50	<0.5	<0.5	<0.5	<0.5	C6-C12

*Greta G. Toustian*  
 Greta G. Toustian, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

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AQUEOUS SAMPLES

	----- METHOD BLANK -----				----- LAB CONTROL -----								----- MATRIX QC -----									
	UNITS	RESULT	RDL	FLG	LCS		LCS D		RPD		RPD		MS		MSD		RPD RPD					
					%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG	%REC	FLG	%REC	FLG	LCL	UCL	RPD	UCL	FLG
Batch: GAS*96596 Method: 8015M.IX - Modified 8015																						
Benzene	ug/L	0	0.5	-	105	-	-	-	76	141	-	-	-	110	-	105	-	71	125	5	29	-
Toluene	ug/L	0	0.5	-	101	-	-	-	73	122	-	-	-	101	-	98	-	63	126	4	33	-
Ethylbenzene	ug/L	0	0.5	-	100	-	-	-	72	133	-	-	-	99	-	98	-	65	126	0	34	-
Total Xylene Isomers	ug/L	0	0.5	-	103	-	-	-	64	117	-	-	-	99	-	100	-	69	128	1	35	-
IPH (Gasoline Range)	ug/L	0	50	-	98	-	-	-	64	152	-	-	-	105	-	105	-	53	166	0	21	-
[a,a,a-Trifluorotoluene]	Percent	101	-	-	116	-	-	-	75	117	-	-	-	113	-	117	-	78	126	-	-	-



: ORDER PLACED FOR CLIENT: Kaprealian Engineering, Inc. 9607455 :  
: BC ANALYTICAL : GLEN LAB : 12:00:38 22 JUL 1996 - P. 1 :  
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SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE.....	METHOD.....	EQUIP.	BATCH..	ID.NO
			ANALYZED				
9607455*1	Inf	GAS.BTX.TES.VA	07.18.96	8015M	536-36	966101	8171
9607455*2	Eff	GAS.BTX.TES.VA	07.18.96	8015M	536-36	966101	8171
9607455*3	A-Inf	GAS.BTX.TESNC	07.18.96	8015M.TX	536-23	96596	8171
9607455*4	B-BT-1	GAS.BTX.TESNC	07.18.96	8015M.TX	536-23	96596	8171
9607455*5	C-Eff	GAS.BTX.TESNC	07.18.96	8015M.TX	536-23	96596	8171

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Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.



: SURROGATE RECOVERIES :  
: BC ANALYTICAL : GLEN LAB : 12:01:43 22 JUL 1996 - P. 1 :  
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METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
9607455*1							
8015M	a,a,a-Trifluorotoluene	Re966101	07/18/96	50.2	50.0	100	
9607455*2							
8015M	a,a,a-Trifluorotoluene	Re966101	07/18/96	49.1	50.0	98	
9607455*3							
8015M.TXa	a,a,a-Trifluorotoluene	Re96596	07/18/96	51.2	50.0	102	
9607455*4							
8015M.TXa	a,a,a-Trifluorotoluene	Re96596	07/18/96	50.8	50.0	102	
9607455*5							
8015M.TXa	a,a,a-Trifluorotoluene	Re96596	07/18/96	51.1	50.0	102	

: SURROGATE RECOVERIES :  
: BC ANALYTICAL : GLEN LAB : 12:01:53 22 JUL 1996 - P. 1 :  
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METHOD	ANALYTE	BATCH	ANALYZED	REPORTED	TRUE	%REC	FLAG
9607455*3*R1							✓
8015M.TXa	a,a,a-Trifluorotoluene	Re96596	07/18/96	51.2	50.0	102	
9607455*3*S1							
8015M.TXa	a,a,a-Trifluorotoluene	Re96596	07/18/96	56.4	50.0	113	
9607455*3*S2							
8015M.TXa	a,a,a-Trifluorotoluene	Re96596	07/18/96	58.3	50.0	117	
9607455*3*T							
8015M.TXa	a,a,a-Trifluorotoluene	Re96596	07/18/96	50.0	50.0	100	
B6071488*1*MB							
8015M.TXa	a,a,a-Trifluorotoluene	Re96596	07/18/96	50.4	50.0	101	
B6071500*1*MB							
8015M	a,a,a-Trifluorotoluene	Re966101	07/18/96	46.4	50.0	93	
C6072520*1*LC							
8015M.TXa	a,a,a-Trifluorotoluene	Re96596	07/18/96	57.9	50.0	116	
C6072520*1*LT							
8015M.TXa	a,a,a-Trifluorotoluene	Re96596	07/18/96	50.0	50.0	100	
C6072542*1*LC							
8015M	a,a,a-Trifluorotoluene	Re966101	07/18/96	49.7	50.0	99	
C6072542*1*LT							
8015M	a,a,a-Trifluorotoluene	Re966101	07/18/96	50.0	50.0	100	
C6072543*1*LC							
8015M	a,a,a-Trifluorotoluene	Re966101	07/19/96	51.5	50.0	103	
C6072543*1*LT							
8015M	a,a,a-Trifluorotoluene	Re966101	07/19/96	50.0	50.0	100	

CHAIN OF CUSTODY

SAMPLER		SITE NAME & ADDRESS							ANALYSES REQUESTED					TURN AROUND TIME:		
J. Giddings		Texaco / Alameda 1127 Lincoln Ave												Kaprealian		
WITNESSING AGENCY		SAMPLE ID NO.	DATE	TIME	AW SEPT	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	TPH-6	BTX-E				REMARKS
		L-1	7/17		X				1		✓	✓	-1			69607455
		EFP	"		X				1		✓	✓	-2			
		A-WF	"			X			2		✓	✓	-3			
		B-DT-1	"			X			2		✓	✓	-4			
		C-EFP	"			X			2		✓	✓	-5			
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? 2. Will samples remain refrigerated until analyzed? 3. Did any samples received for analysis have head space? 4. Were samples in appropriate containers and properly packaged? _____ Signature Title Date					
Relinquished by: (Signature)		Date/Time		Received by: (Signature)												
Relinquished by: (Signature)		Date/Time		Received by: (Signature)												
Relinquished by: (Signature)		Date/Time		Received by: (Signature)												

FORMER TEXACO/CURRENT EXXON  
1127 LINCOLN AVENUE  
ALAMEDA, CALIFORNIA

NAME	J. Giddings
DATE	8-6-96
TIME	14:30

### GROUND WATER EXTRACTION SYSTEM

1.  UPON ARRIVAL, SYSTEM WAS ON  OFF
2.  SECONDARY CONTAIN. FLOAT OPERATIONAL YES  NO
3.  EFFLUENT TOTALIZER  GALLONS  
    WELL MW-5 TOTALIZER  GALLONS  
    WELL W-1 TOTALIZER  GALLONS  
    WELL W-2 TOTALIZER  GALLONS
4.  EFFLUENT FLOW RATE  GPM
5.  AERATION PRESSURE  PSI
6.  FILTER INFL PRESSURE  PSI
7.  CARBON VESSEL #2 PRESSURE  PSI
8.  SAMPLING CONDUCTED YES /  NO
9.  AT DEPARTURE, SYSTEM WAS ON /  OFF

NOTES:

System down due to recirc.  
Dump failure  
replaced totalizer

FORMER TEXACO/CURRENT EXXON  
 1127 LINCOLN AVENUE  
 ALAMEDA, CALIFORNIA

NAME	A. Giddings
DATE	7-31-98
TIME	13:20

**GROUND WATER  
 EXTRACTION SYSTEM**

1.  UPON ARRIVAL, SYSTEM WAS

ON / OFF

2.  SECONDARY CONTAIN. FLOAT OPERATIONAL

YES / NO

3.  EFFLUENT TOTALIZER

2191394 GALLONS

WELL MW-5 TOTALIZER

773372 GALLONS

WELL W-1 TOTALIZER

N/A GALLONS

WELL W-2 TOTALIZER

143022 GALLONS

4.  EFFLUENT FLOW RATE

6 \* GPM

5.  AERATION PRESSURE

2 PSI

6.  FILTER INFL PRESSURE

12 \* PSI

7.  CARBON VESSEL #2 PRESSURE

N/A PSI

8.  SAMPLING CONDUCTED

YES / NO

9.  AT DEPARTURE, SYSTEM WAS

ON / OFF

NOTES:

"Inf-Tank high" level on.  
 backflushed system.  
 \* After back flushing.  
 Effluent flowmeter not functioning.  
 repaired flowmeter.

FORMER TEXACO/CURRENT EXXON  
1127 LINCOLN AVENUE  
ALAMEDA, CALIFORNIA

NAME	J. Giddins
DATE	7-22-96
TIME	12:27

### GROUND WATER EXTRACTION SYSTEM

- 1.  UPON ARRIVAL, SYSTEM WAS ON /  OFF
- 2.  SECONDARY CONTAIN. FLOAT OPERATIONAL YES /  NO
- 3.  EFFLUENT TOTALIZER  
2191146 GALLONS  
WELL MW-5 TOTALIZER  
223288 GALLONS  
WELL W-1 TOTALIZER  
N/A GALLONS  
WELL W-2 TOTALIZER  
142510 GALLONS
- 4.  EFFLUENT FLOW RATE 6 GPM
- 5.  AERATION PRESSURE 3 PSI
- 6.  FILTER INFL PRESSURE 12 PSI
- 7.  CARBON VESSEL #2 PRESSURE N/A PSI
- 8.  SAMPLING CONDUCTED YES /  NO
- 9.  AT DEPARTURE, SYSTEM WAS ON /  OFF

NOTES:

"Aeration Tank High" Alarm on  
due to bio-fouling. Back flushed  
system

FORMER TEXACO/CURRENT EXXON  
1127 LINCOLN AVENUE  
ALAMEDA, CALIFORNIA

NAME	J. Giddens
DATE	7-17-96
TIME	17:53

### GROUND WATER EXTRACTION SYSTEM

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> UPON ARRIVAL, SYSTEM WAS             | ON / <input checked="" type="radio"/> OFF    |
| 2. <input checked="" type="checkbox"/> SECONDARY CONTAIN. FLOAT OPERATIONAL | <input checked="" type="radio"/> YES / NO    |
| 3. <input checked="" type="checkbox"/> EFFLUENT TOTALIZER                   | <input type="text" value="2191021"/> GALLONS |
| WELL MW-5 TOTALIZER   | <input type="text" value="273196"/> GALLONS  |
| WELL W-1 TOTALIZER  | <input type="text" value="NA"/> GALLONS      |
| WELL W-2 TOTALIZER  | <input type="text" value="14767.7"/> GALLONS |
| 4. <input checked="" type="checkbox"/> EFFLUENT FLOW RATE                   | <input type="text" value="4"/> GPM           |
| 5. <input checked="" type="checkbox"/> AERATION PRESSURE                    | <input type="text" value="2"/> PSI           |
| 6. <input checked="" type="checkbox"/> FILTER INFL PRESSURE                 | <input type="text" value="70"/> PSI          |
| 7. <input checked="" type="checkbox"/> CARBON VESSEL #2 PRESSURE            | <input type="text" value="N/A"/> PSI         |
| 8. <input checked="" type="checkbox"/> SAMPLING CONDUCTED                   | <input checked="" type="radio"/> YES / NO    |
| 9. <input checked="" type="checkbox"/> AT DEPARTURE, SYSTEM WAS             | <input checked="" type="radio"/> ON / OFF    |

NOTES:

System down due to  
"Aeration tank high level"  
Backflushed system

FORMER TEXACO/CURRENT EXXON  
1127 LINCOLN AVENUE  
ALAMEDA, CALIFORNIA

NAME	J. Geddins
DATE	7-8-96
TIME	12:20

### GROUND WATER EXTRACTION SYSTEM

1.  UPON ARRIVAL, SYSTEM WAS ON /  OFF
2.  SECONDARY CONTAIN. FLOAT OPERATIONAL YES /  NO
3.  EFFLUENT TOTALIZER  
7184350 GALLONS \* \*  
WELL MW-5 TOTALIZER 770603 GALLONS  
WELL W-1 TOTALIZER 210 GALLONS  
WELL W-2 TOTALIZER 143341 GALLONS
4.  EFFLUENT FLOW RATE 6.3 GPM
5.  AERATION PRESSURE 2 PSI
6.  FILTER INFL PRESSURE 10 PSI
7.  CARBON VESSEL #2 PRESSURE NA PSI
8.  SAMPLING CONDUCTED YES /  NO
9.  AT DEPARTURE, SYSTEM WAS ON /  OFF

NOTES:

System down due to effluent  
bio-fouling  
Back flushed system  
\* \* Effluent totalizer not functioning  
upon arrival; repaired unit



FORMER TEXACO/CURRENT EXXON  
1127 LINCOLN AVENUE  
ALAMEDA, CALIFORNIA

NAME	A. Giddings
DATE	7-7-96
TIME	9:05

### GROUND WATER EXTRACTION SYSTEM

1.  UPON ARRIVAL, SYSTEM WAS ON /  OFF
2.  SECONDARY CONTAIN. FLOAT OPERATIONAL YES / NO
3.  EFFLUENT TOTALIZER  
WELL MW-5 TOTALIZER 7184350 GALLONS  
WELL W-1 TOTALIZER 216446 GALLONS  
WELL W-2 TOTALIZER N/A GALLONS  
WELL W-2 TOTALIZER 109864 GALLONS
4.  EFFLUENT FLOW RATE 5.5 GPM
5.  AERATION PRESSURE 7 PSI
6.  FILTER INFL PRESSURE 17 PSI
7.  CARBON VESSEL #2 PRESSURE N/A PSI
8.  SAMPLING CONDUCTED YES / NO
9.  AT DEPARTURE, SYSTEM WAS ON /  OFF

NOTES:

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FORMER TEXACO/CURRENT EXXON  
1127 LINCOLN AVENUE  
ALAMEDA, CALIFORNIA

NAME	J. Giddings
DATE	8-25-96
TIME	16:30

### GROUND WATER EXTRACTION SYSTEM

- |   |                 |
|---|-----------------|
| 1. <input type="checkbox"/> UPON ARRIVAL, SYSTEM WAS                        | ON / OFF        |
| 2. <input checked="" type="checkbox"/> SECONDARY CONTAIN. FLOAT OPERATIONAL | YES / NO        |
| 3. <input checked="" type="checkbox"/> EFFLUENT TOTALIZER                   | 7180029 GALLONS |
| WELL MW-5 TOTALIZER   | 714244 GALLONS  |
| WELL W-1 TOTALIZER  | N/A GALLONS     |
| WELL W-2 TOTALIZER  | 101277 GALLONS  |
| 4. <input checked="" type="checkbox"/> EFFLUENT FLOW RATE                   | 6.5 GPM         |
| 5. <input type="checkbox"/> AERATION PRESSURE                               | 2 PSI           |
| 6. <input checked="" type="checkbox"/> FILTER INFL PRESSURE                 | 8 PSI           |
| 7. <input checked="" type="checkbox"/> CARBON VESSEL #2 PRESSURE            | N/A PSI         |
| 8. <input checked="" type="checkbox"/> SAMPLING CONDUCTED                   | YES / NO        |
| 9. <input checked="" type="checkbox"/> AT DEPARTURE, SYSTEM WAS             | ON / OFF        |

NOTES:

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FORMER TEXACO/CURRENT EXXON  
1127 LINCOLN AVENUE  
ALAMEDA, CALIFORNIA

NAME	J. Giddings
DATE	8-18-96
TIME	17:30

### GROUND WATER EXTRACTION SYSTEM

1.  UPON ARRIVAL, SYSTEM WAS ON /  OFF
2.  SECONDARY CONTAIN. FLOAT OPERATIONAL  YES / NO
3.  EFFLUENT TOTALIZER  GALLONS  
WELL MW-5 TOTALIZER  GALLONS  
WELL W-1 TOTALIZER  GALLONS  
WELL W-2 TOTALIZER  GALLONS
4.  EFFLUENT FLOW RATE  GPM
5.  AERATION PRESSURE  PSI
6.  FILTER INFL PRESSURE  PSI
7.  CARBON VESSEL #2 PRESSURE  PSI
8.  SAMPLING CONDUCTED YES /  NO
9.  AT DEPARTURE, SYSTEM WAS  ON / OFF

NOTES:

\* After back flushing.

System down due to "High Aeration  
Pressure" Tank level  
Back flushed System