RMC LONESTAR

ALCO
HAZMAT
94 JAN 14 AM 11:46

6601 Koll Center Parkway
P.O. Box 5252
Pleasanton, CA 94566
(510) 426-8787

January 10, 1994

Mr. Amir Gholami, R.E.H.S.
Alameda County Health Agency
Division of Hazardous Materials
Department of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Dear Mr. Gholami:

Please find enclosed the sampling report for our aggregate plant located at 6527 Calaveras Road, Sunol.

This semi-annual report was prepared by RMC Lonestar staff and covers sampling performed by RMC Lonestar staff on November 7, 1993 and December 21, 1993.

Should you have any questions or concerns please call Louis Shipper at (510)426-2278 or me at (510) 426-2261.

Sincerely,

Kelly McCarn Simpson

Kelly McCarn Simpson,
Environmental
Records Clerk

SAMPLING REPORT
for
THE DETERMINATION OF BTEX AND DIESEL
at the
RMC LONESTAR SUNOL AGGREGATE PLANT
SUNOL, CALIFORNIA

SEMI-ANNUAL REPORTS
FOR
AUGUST, 1993 - JANUARY, 1994

Prepared for: California Regional Quality Control Board
San Francisco Bay Region

January 10, 1994

INTRODUCTION

RMC Lonestar operates the Santa Clara Sand and Gravel plant located at 6527 Calaveras Road, Sunol. This facility mines and processes sand and gravel for the construction industry. As part of the operation RMC Lonestar maintains a 10,000 gallon, above ground diesel fuel tank. On August 21, 1990 approximately 2,700 gallons of diesel fuel were spilled onto the soil near the tank as part of an act of vandalism during a Labor strike. The perpetrators of this act have never been caught.

Three monitoring wells, designated RMC-2, RMC-3, and RMC-4, were installed to evaluate the effect on the spill on the local ground water in September 1990 by GeoStrategies Inc. (GSI) of Hayward. GSI sampled these wells on a quarterly basis until January 1993. Beginning in January 1993 the sampling and reporting of there wells was assumed by RMC Lonestar personnel. This report includes sampling and reporting for August, 1993 through December, 1994.

SAMPLING PROCEDURES

SCHEDULE

In accordance with the letter from Alameda County Health Care Services Agency dated January 21, 1990, well RMC-4 is sampled quarterly whereas wells RMC-2 and RMC-3 are sampled semiannually. Ground water levels are measured quarterly in all three wells.

SAMPLING

Water Level Measurements

The depth to the static water level is measured in each well using a electronic interface probe. The static water level is measured relative to the top of the PVC well casing to the nearest 0.01 foot. Ground water elevations presented in the attached Tables and Figures are referenced to an assumed project datum and are calculated by assigning the top of casing of RMC-2 the value of 100 foot elevation.

Water Quality Sampling

Ground water samples were collected using a clean teflon bailer after purging three to five casing volumes of water from each well. Samples were stored and transported to the analytical laboratory at ±4°C under strict Chain of Custody protocol. All samples were analyzed by a California state certified laboratory, for TPH-Diesel using EPA Method 3510 and BTEX using EPA Method 8020. Samples taken 11-7-93 and 12-21-93 were analyzed by Priority Environmental Labs, Milpitas.

Quality Control

One quality control sample was included in each sampling event. This consisted of an equipment blank prepared by running a portion of distilled water through all the sampling equipment after normal cleaning in the field. This procedure is useful is assessing not only sampling handling but also the possibility of contamination crossover between wells.

REPORTING

A summary of data collected and analytical results are presented in tabular form on the attached tables. Monitor well information, static water level data and well purging volumes are presented on Table 1. Graphical representations of the static water levels in the form of contour plots shown as Figures 2 through 5. Analytical results for the six month period covered by this report (August 1993 through January 1994) are presented on Table 2. Table 3 presents the historical database of all analytical data collected for wells RMC-2 through RMC-4.

Copies of all original analytical certificates, field data forms and chain-of-custody sheets are included as Appendix A.

SUMMARY OF TEST RESULTS

During this reporting period, no tested constituent was found in the ground water at levels above the analytical detection limits. Because we have found no constituents in the ground water since an incident in December, 1992, when at that time the contaminant that was found was speculated to be an outside source of contamination, we would now like to ask for closure on this site.

TABLE 1

FIELD MONITORING DATA

WELL MONITORING NO.	DATE	CASING DIA. (IN)	TOTAL WELL DEPTH (FT)	WELL ELEV. (FT)	DEPTH TO WATER (FT)	STATIC WATER ELEV. (FT)	PURGED WELL VOLUMES
RMC-2	9-18-92	2	43.50	100.00	35.14	64.86	---
RMC-2	12-29-92	2	43.50	100.00	34.24	65.76	---
RMC-2	3-13-93	2	42.50	100.00	29.13	70.87	---
RMC-2	7-10-93	2	42.50	100.00	31.72	68.28	5.2 gal
RMC-2	11-11-93	2	42.50	100.00	34.50	65.50	---
RMC-2	12-21-93	2	42.50	100.00	33.72	66.28	5.0 gal
RMC-3	9-18-92	2	17.90	69.84	5.90	63.94	---
RMC-3	12-29-92	2	17.90	69.84	5.13	64.71	---
RMC-3	3-13-93	2	18.50	69.84	2.44	67.40	---
RMC-3	7-10-93	2	18.50	69.84	3.46	66.38	7.2 gal
RMC-3	11-11-93	2	18.50	69.84	5.94	63.90	---
RMC-3	12-21-93	2	18.50	69.84	8.78	61.06	7.0 gal
RMC-4	9-18-92	2	42.80	101.38	36.43	64.95	---
RMC-4	12-29-92	2	42.70	101.38	35.51	65.87	---
RMC-4	3-13-93	2	40.40	101.38	30.34	71.04	3.3 gal
RMC-4	7-10-93	2	40.40	101.38	33.06	68.32	3.5 gal
RMC-4	11-7-93	2	40.40	101.38	35.76	65.62	3.0 gal
RMC-4	11-11-93	2	40.40	101.38	35.76	65.62	---
RMC-4	12-21-93	2	40.40	101.38	34.91	66.47	4.0 gal

TABLE II

GROUND-WATER ANALYSES DATA

WELL NO	SAMPLE DATE	ANALYSIS DATE	BENZENE (PPB)	TOLUENE (PPB)	ETHYLBENZENE (PPB)	XYLENES (PPB)	TPH-DIESEL (PPM)
RMC-2	12-21-93	12-22-93 & 12-23-93	<0.5	<0.5	<0.5	<0.5	<50
RMC-3	12-21-93	12-22-93 & 12-23-93	<0.5	<0.5	<0.5	<0.5	<50
RMC-4	11-7-93	11-8-93 & 11-9-93	<0.5	<0.5	<0.5	<0.5	<50
RMC-4	12-21-93	12-22-93 & 12-23-93	<0.5	<0.5	<0.5	<0.5	<50

TABLE III

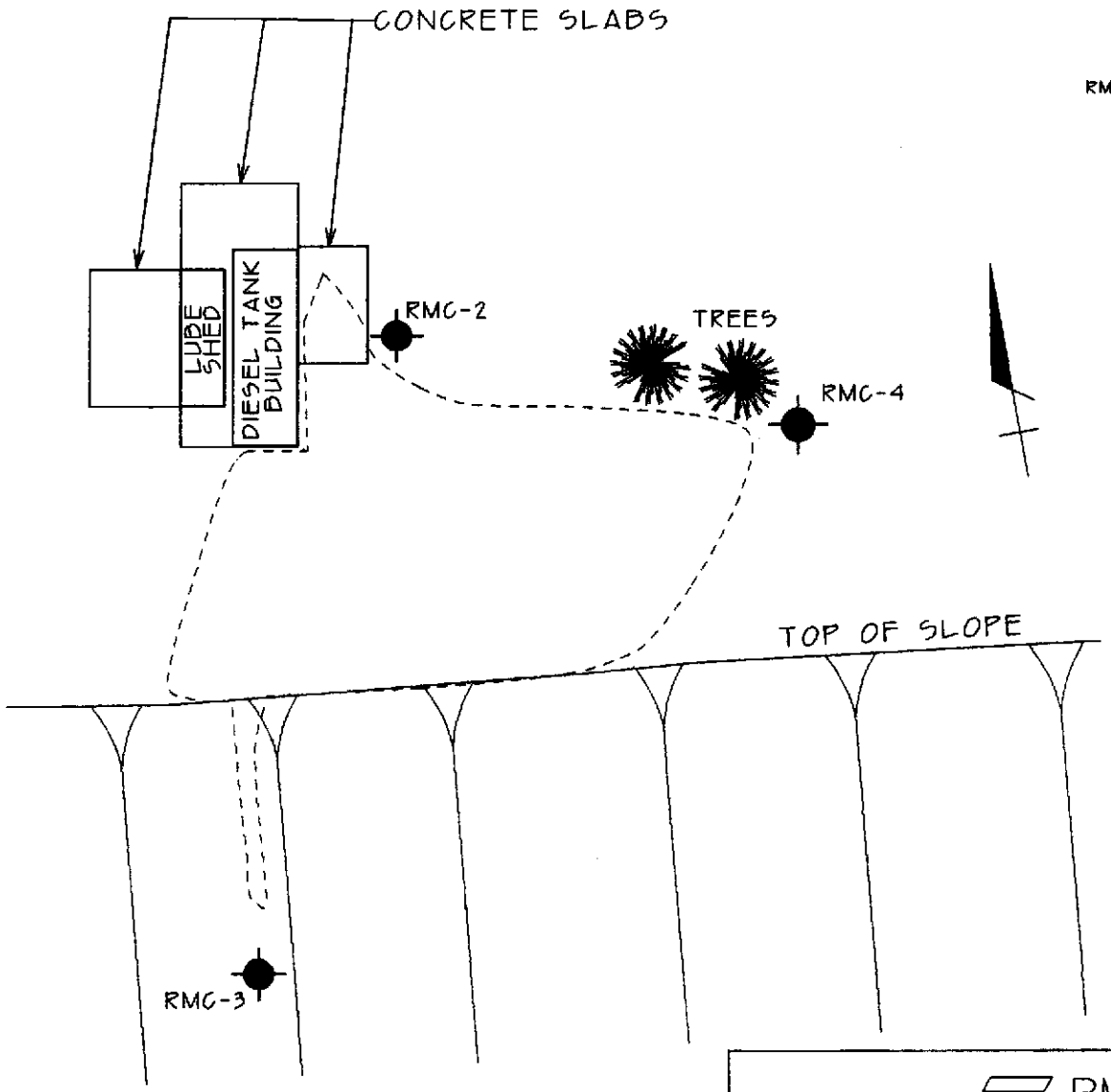
HISTORICAL GROUND-WATER QUALITY DATABASE

SAMPLE DATE	SAMPLE POINT	TPH-D (PPB)	BENZENE (PPB)	TOLUENE (PPB)	ETHYLBENZENE (PPB)	XYLENES (PPB)
10/05/90	RMC-2	<60.	----	----	----	----
01/19/91	RMC-2	<50.	<0.5	<0.5	<0.5	<0.5
02/20/91	RMC-2	<50.	<0.5	<0.5	<0.5	<0.5
03/18/91	RMC-2	<50.	<0.5	<0.5	<0.5	<0.5
06/10/91	RMC-2	<50.	<0.5	<0.5	<0.5	<0.5
09/17/91	RMC-2	<50.	<0.5	<0.5	<0.5	<0.5
12/16/91	RMC-2	<50.	<0.5	<0.5	<0.5	<0.5
03/09/92	RMC-2	Not Sampled				
06/30/92	RMC-2	<50.	<0.5	<0.5	<0.5	<0.5
09/18/92	RMC-2	Not Sampled				
12/29/92	RMC-2	<50.	<0.5	<0.5	<0.5	<0.5
03/13/93	RMC-2	Not Sampled				
07/10/93	RMC-2	<50	<0.5	<0.5	<0.5	<0.5
11/11/93	**RMC-2**	**Not Sampled**				
12-21-93	**RMC-2**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
10/05/90	RMC-3	<50.	----	----	----	----
01/19/91	RMC-3	<50.	<0.5	<0.5	<0.5	<0.5
02/20/91	RMC-3	<50.	<0.5	<0.5	<0.5	<0.5
03/18/91	RMC-3	<50.	<0.5	<0.5	<0.5	<0.5
06/10/91	RMC-3	<50.	<0.5	<0.5	<0.5	<0.5
09/17/91	RMC-3	<50.	<0.5	<0.5	<0.5	<0.5
12/16/91	RMC-3	<50.	<0.5	<0.5	<0.5	<0.5
03/09/92	RMC-3	Not Sampled				
06/30/92	RMC-3	<50.	<0.5	<0.5	<0.5	<0.5
09/18/92	RMC-3	Not Sampled				
12/29/92	RMC-3	110.	<0.5	<0.5	<0.5	<0.5
03/13/93	RMC-3	Not Sampled				
07/10/93	RMC-3	<50	<0.5	<0.5	<0.5	<0.5
11/11/93	**RMC-3**	**Not Sampled**				
12-21-93	**RMC-3**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**

TABLE III (Continued)

HISTORICAL GROUND-WATER QUALITY DATABASE

SAMPLE DATE	SAMPLE POINT	TPH-D (PPB)	BENZENE (PPB)	TOLUENE (PPB)	ETHYLBENZENE (PPB)	XYLENES (PPB)
10/05/90	RMC-4	<50.	----	----	----	----
01/19/91	RMC-4	<50.	1.0	0.8	3.1	1.2
02/20/91	RMC-4	<50.	<0.5	<0.5	<0.5	<0.5
03/18/91	RMC-4	<50.	0.83	4.4	<0.5	2.3
06/10/91	RMC-4	<50.	<0.5	4.1	<0.5	0.6
09/17/91	RMC-4	<50.	<0.5	<0.5	<0.5	<0.5
12/16/91	RMC-4	<50.	<0.5	<0.5	<0.5	<0.5
03/09/92	RMC-4	<50.	<0.5	<0.5	<0.5	<0.5
06/30/92	RMC-4	<50.	<0.5	<0.5	<0.5	<0.5
09/18/92	RMC-4	<50.	<0.5	<0.5	<0.5	<0.5
12/29/92	RMC-4	<50.	<0.5	<0.5	<0.5	<0.5
03/13/93	RMC-4	<50.	<0.5	<0.5	<0.5	<0.5
07/10/93	RMC-4	<50.	<0.5	<0.5	<0.5	<0.5
11/07/93	**RMC-4**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
11/11/93	**RMC-4**	**Not Sampled**				
12/21/93	**RMC-4**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**



LEGEND

RMC-4 — Ground Water Monitoring Well

Extent of Original Spill

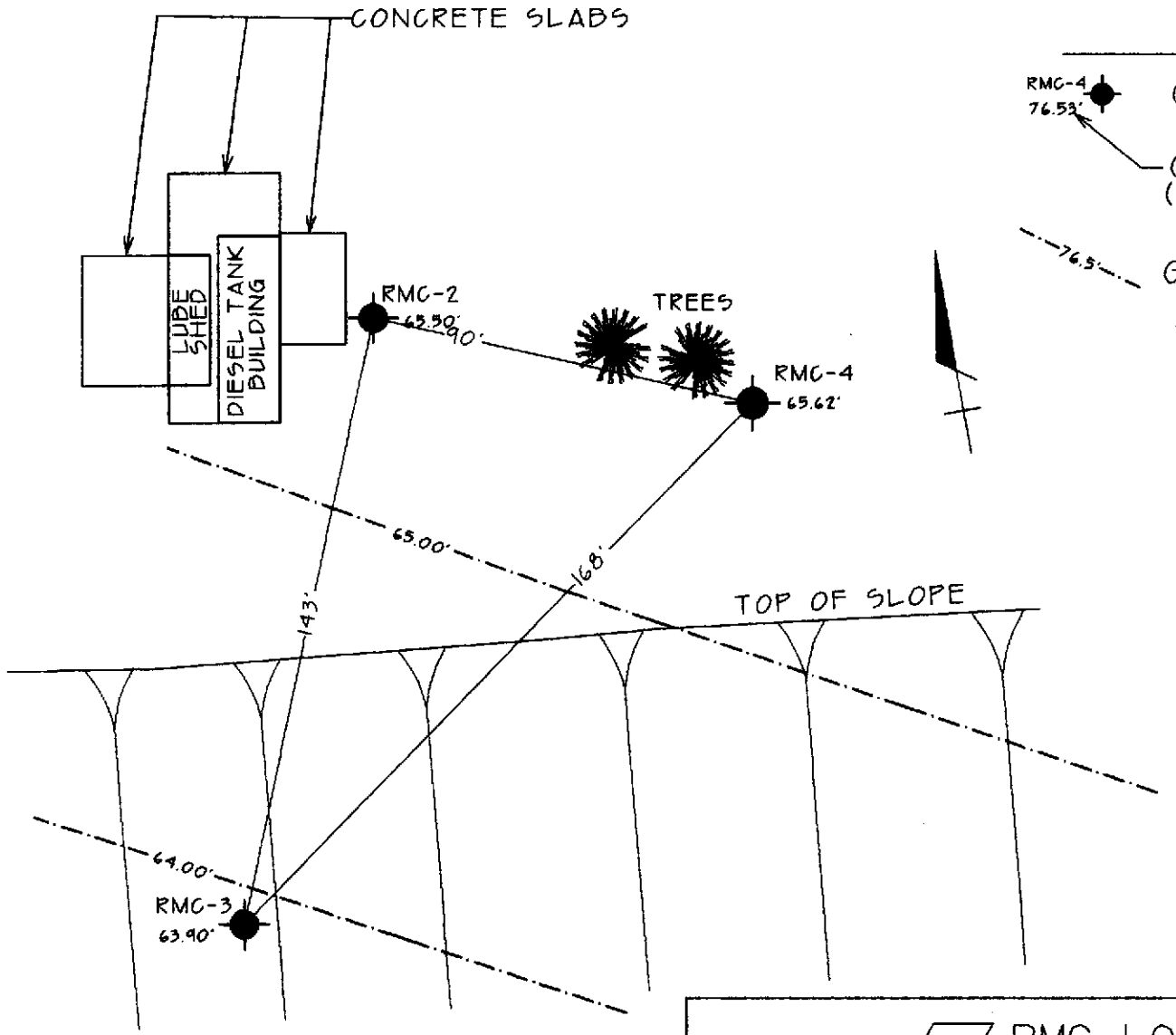
FIGURE 1

RMC LONESTAR

6601 KOLL CENTER PARKWAY-P.O. BOX 5252-PLEASANTON, CALIFORNIA 94586

SANTA CLARA SAND AND GRAVEL
PLOT PLAN OF SPILL AREA

DATE	SCALE	DRAWN	FILE	DRAWING NUMBER	REV
4-2-93	1:480	LBS		SUNOLBAS	0



LEGEND

RMC-4 76.53' — Ground Water Monitoring Well

Ground Water Elevation (project datum)

76.5 — Ground water Contour

FIGURE 2

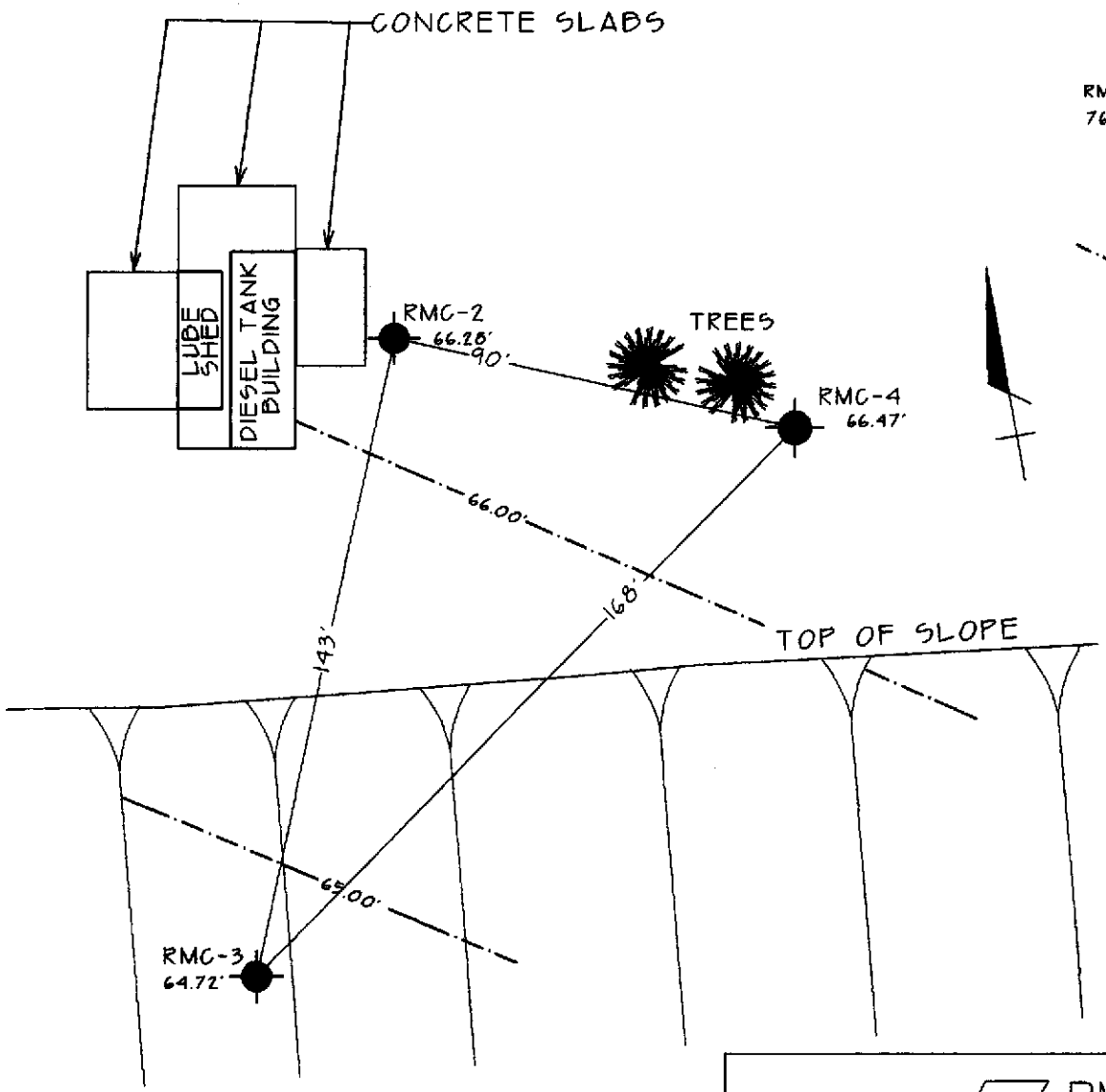
RMC LONESTAR

8601 KOLL CENTER PARKWAY-P.O. BOX 5252-PLEASANTON, CALIFORNIA 94566

SANTA CLARA SAND AND GRAVEL

Static Water Levels on November 11, 1993

DATE	SCALE	DRAWN	FILE	DRAWING NUMBER	REV
12-30-93	1:480	LBS		SWL1193	0



LEGEND

RMC-4 76.53' — Ground Water Monitoring Well

Ground Water Elevation (project datum)

76.5 — Ground water Contour

FIGURE 3

RMC LONESTAR

6601 KOLL CENTER PARKWAY-P.O. BOX 5252-PLEASANTON, CALIFORNIA 94566

SANTA CLARA SAND AND GRAVEL

Static Water Levels on December 21, 1993

DATE	SCALE	DRAWN	FILE	DRAWING NUMBER	REV
12-30-93	1:480	LBS		SWL1293	0

RMC LONESTAR

WATER QUALITY SAMPLE

COLLECTION LOG

SITE LOCATION: Sanal
SAMPLING DATE: 11-1-93 **SAMPLERS NAME:** Kelly Simpson
WELL ID.: RMC-2 **SAMPLE ID.:** —
PURGING METHOD: —
SAMPLING METHOD: Water Levels
CONTAINER TYPE/SIZE: —
NUMBER OF CONTAINERS: —
WEATHER CONDITION: Cloudy / Cool
WELL CASING DIAMETER (in): —
WELL CASING ELEVATION (ft): —
WELL CASING DEPTH (ft): 42.5
TOTAL WELL DEPTH MEASURED (FT): —
FLOATING PRODUCT (in): —
DEPTH TO WATER (ft): 34.50
HEIGHT OF WATER IN WELL (ft): 8.0
VOLUME OF WATER IN WELL (gal): 1.3

2-inch casing = 0.16 gal/ft
4-inch casing = 0.65 gal/ft
6-inch casing = 1.47 gal/ft

TIME	VOLUME REMOVED (gal)	CONDUCT. (micro-mhos/cm)	TEMP. (deg. C)	pH	REMARKS
11:50	—	—	—	—	—

DID WELL DEWATER? YES/NO
Additional remarks by sampler: —
SAMPLE CONTAINERS DELIVERED TO: _____
Sampler's Signature: Kelly J Simpson

RMC LONESTAR

WATER QUALITY SAMPLE

COLLECTION LOG

SITE LOCATION: Sunol
SAMPLING DATE: 11-11-93 **SAMPLERS NAME:** Kelly Simpson
WELL ID.: RMC-3 **SAMPLE ID.:** —
PURGING METHOD: water levels
SAMPLING METHOD: water levels
CONTAINER TYPE/SIZE: —
NUMBER OF CONTAINERS: —
WEATHER CONDITION: Cloudy/cool
WELL CASING DIAMETER (in): —
WELL CASING ELEVATION (ft): —
WELL CASING DEPTH (ft): 18.5
TOTAL WELL DEPTH MEASURED (FT): —
FLOATING PRODUCT (in): —
DEPTH TO WATER (ft): 5.94 2-inch casing = 0.16 gal/ft
HEIGHT OF WATER IN WELL (ft): 12.56 4-inch casing = 0.65 gal/ft
VOLUME OF WATER IN WELL (gal): 2 6-inch casing = 1.47 gal/ft

TIME	VOLUME REMOVED (gal)	CONDUCT. (micro-mhos/cm)	TEMP. (deg. C)	pH	REMARKS
11:55	—	—	—	—	—

DID WELL DEWATER? YES/NO
Additional remarks by sampler: —
SAMPLE CONTAINERS DELIVERED TO: —
Sampler's Signature: Kelly J. Simpson

RMC LONESTAR

WATER QUALITY SAMPLE

COLLECTION LOG

SITE LOCATION: Sunol
SAMPLING DATE: 11-11-93 **SAMPLERS NAME:** Kelly Simpson
WELL ID.: RMC-4 **SAMPLE ID.:** —
PURGING METHOD: —
SAMPLING METHOD: water levels
CONTAINER TYPE/SIZE: —
NUMBER OF CONTAINERS: —
WEATHER CONDITION: Cloudy/cool
WELL CASING DIAMETER (in): —
WELL CASING ELEVATION (ft): —
WELL CASING DEPTH (ft): 40.4
TOTAL WELL DEPTH MEASURED (FT): —
FLOATING PRODUCT (in): —
DEPTH TO WATER (ft): 35.76 2-inch casing = 0.16 gal/ft
HEIGHT OF WATER IN WELL (ft): 4.64 4-inch casing = 0.65 gal/ft
VOLUME OF WATER IN WELL (gal): 0.7 6-inch casing = 1.47 gal/ft

TIME	VOLUME REMOVED (gal)	CONDUCT. (micro-mhos/cm)	TEMP. (deg. C)	pH	REMARKS
11:45	—	—	—	—	—

DID WELL DEWATER? YES/NO
Additional remarks by sampler: —
SAMPLE CONTAINERS DELIVERED TO: —
Sampler's Signature: Kelly J. Simpson

RMC LONESTAR

WATER QUALITY SAMPLE

COLLECTION LOG

SITE LOCATION: Sunol
SAMPLING DATE: 11-7-93 **SAMPLERS NAME:** Kelly McCann Simpson
WELL ID.: RMC-2 **SAMPLE ID.:** RMC-2
PURGING METHOD:
SAMPLING METHOD: water levels
CONTAINER TYPE/SIZE:
NUMBER OF CONTAINERS:
WEATHER CONDITION:
WELL CASING DIAMETER (in):
WELL CASING ELEVATION (ft):
WELL CASING DEPTH (ft):
TOTAL WELL DEPTH MEASURED (FT):
FLOATING PRODUCT (in):
DEPTH TO WATER (ft): 2-inch casing = 0.16 gal/ft
HEIGHT OF WATER IN WELL (ft): 4-inch casing = 0.65 gal/ft
VOLUME OF WATER IN WELL (gal): 6-inch casing = 1.47 gal/ft

TIME	VOLUME REMOVED (gal)	CONDUCT. (micro-mhos/ cm)	TEMP. (deg. C)	pH	REMARKS

DID WELL DEWATER? YES/NO
Additional remarks by sampler: Level not Taken - NO Key to well
SAMPLE CONTAINERS DELIVERED TO:
Sampler's Signature: Kelly J. Simpson

RMC LONESTAR

WATER QUALITY SAMPLE

COLLECTION LOG

SITE LOCATION: Sunol
SAMPLING DATE: 11-7-93 **SAMPLERS NAME:** Kelly McCann Simpson
WELL ID.: Rmc-3 **SAMPLE ID.:** —
PURGING METHOD: —
SAMPLING METHOD: Water Levels
CONTAINER TYPE/SIZE: —
NUMBER OF CONTAINERS: —
WEATHER CONDITION: Warm / Sunny / Clear
WELL CASING DIAMETER (in): _____
WELL CASING ELEVATION (ft): _____
WELL CASING DEPTH (ft): 18.5
TOTAL WELL DEPTH MEASURED (FT): _____
FLOATING PRODUCT (in): _____
DEPTH TO WATER (ft): 5.92 2-inch casing = 0.16 gal/ft
HEIGHT OF WATER IN WELL (ft): 12.5 4-inch casing = 0.65 gal/ft
VOLUME OF WATER IN WELL (gal): 2 6-inch casing = 1.47 gal/ft

TIME	VOLUME REMOVED (gal)	CONDUCT. (micro-mhos/cm)	TEMP. (deg. C)	pH	REMARKS
10:30	—	—	—	—	—

DID WELL DEWATER? YES/NO
Additional remarks by sampler: _____
SAMPLE CONTAINERS DELIVERED TO: _____
Sampler's Signature: Kelly / Simpson

RMC LONESTAR

WATER QUALITY SAMPLE

COLLECTION LOG

SITE LOCATION: Sunol
SAMPLING DATE: 11-7-93 **SAMPLERS NAME:** Kelly McCarv Simpson
WELL ID.: Rmc-4 **SAMPLE ID.:** Rmc-4
PURGING METHOD: Plastic Bailer
SAMPLING METHOD: Plastic Bailer
CONTAINER TYPE/SIZE: Liter + VOA - GLASS
NUMBER OF CONTAINERS: 3
WEATHER CONDITION: Warm / Sunny / Clear
WELL CASING DIAMETER (in):
WELL CASING ELEVATION (ft):
WELL CASING DEPTH (ft): 40.4
TOTAL WELL DEPTH MEASURED (FT):
FLOATING PRODUCT (in):
DEPTH TO WATER (ft): 35.76 2-inch casing = 0.16 gal/ft
HEIGHT OF WATER IN WELL (ft): 4.64 4-inch casing = 0.65 gal/ft
VOLUME OF WATER IN WELL (gal): .24 6-inch casing = 1.47 gal/ft

TIME	VOLUME REMOVED (gal)	CONDUCT. (micro-mhos/cm)	TEMP. (deg. C)	pH	REMARKS
11:30	3	—	—	—	1 VOA CAP Broken.

DID WELL DEWATER? YES NO
Additional remarks by sampler: Water Brown / Turbid
SAMPLE CONTAINERS DELIVERED TO: Picked up By Priority Labs
Sampler's Signature: Kelly J. Simpson

Priority Environmental Labs
1764 Houret Court
Milpitas, CA 95035
(408) 946-9636

1764 Houret Ct. Milpitas,CA.95035 Tel:408-946-9636 Fax:408-946-9663

Chain of Custody

DATE: 11/8/93 PAGE: 1 OF: 1

PROJECT MGR.:
COMPANY: RMC Lonestar
ADDRESS: P.O. Box 5252, 6601 Koll Center : Pleasanton, CA 94566
PHONE: 510-426-2261 FAX: 510-426-2231
SIGNATURE: Kelly J Simpson

ANALYSIS REPORT

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TPH-Gasoline (EPA 5030,8015)	TPH-Gasoline(5030,8015) w/BTEX(EPA 602.8020)	TPH-Diesel (EPA 3510/3550.8015)	PURGEABLE AROMATICS BTEX (EPA 602.8020)	TOTAL OIL & GREASE (EPA 5520 E&F)	PESTICIDES/PCB (EPA 608.8080)	TOTAL RECOVERABLE HYDROCARBONS EPA 418.1	NUMBER OF CONTAINERS
RMC-4	11/7/93	11:30				✓	✓					

PROJECT INFORMATION
PROJECT NAME: Sunol
PROJECT NUMBER:

SAMPLE RECEIPT
TOTAL # OF CONTAINERS: 3
RECD. GOOD COND./COLD:

INSTRUCTIONS & COMMENTS: Due of the VOA Caps is Broken, Please use Other if Possible, ~~Bot~~ Broken Bottle is Marked.

RELINQUISHED BY: 1	RECEIVED BY: 1	RELINQUISHED BY: 2	RECEIVED BY: 2
Kelly J Simpson			
SIGNATURE: Date: Kelly J Simpson 11-8-93	SIGNATURE: 11/8/93 Date:	SIGNATURE: Date:	SIGNATURE: Date:
NAME: Time: 12:00	NAME: Time: 1205PM	NAME: Time:	NAME: Time:
COMPANY: RMC Lonestar	COMPANY: PEL	COMPANY:	COMPANY:

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

November 10, 1993 PEL # 9311023

RMC LONESTAR, INC.

Attn: Bradd Statley
Re: One water sample for Gasoline/BTEX and Diesl analyses.

Project name: Sunol

Date sampled: Nov 07, 1993 Date submitted: Nov 08, 1993
Date extracted: Nov 08-09, 1993 Date analyzed: Nov 08-09, 1993

RESULTS:

SAMPLE I.D.	Gasoline (ug/L)	Diesel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
RMC-4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	86.8%	92.1%	81.8%	84.3%	80.5%	93.6%
Detection limit	50	50	0.5	0.5	0.5	0.5
Method of Analysis	5030 / 8015	3510 / 8015	602	602	602	602

David Duong
Laboratory Director

1764 Houret Court Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

RMC LONESTAR

WATER QUALITY SAMPLE

COLLECTION LOG

SITE LOCATION: Sunol
SAMPLING DATE: 10-31-95 **SAMPLERS NAME:** Kelly McFarland Simpson
WELL ID.: RMC-2 **SAMPLE ID.:** RMC-2
PURGING METHOD: Plastic Bailer
SAMPLING METHOD: Plastic Bailer
CONTAINER TYPE/SIZE: 1-Liter, VOA Glass
NUMBER OF CONTAINERS: 3
WEATHER CONDITION: Foggy / cold
WELL CASING DIAMETER (in): 2
WELL CASING ELEVATION (ft): 42.5 MSL
WELL CASING DEPTH (ft): 42.5
TOTAL WELL DEPTH MEASURED (FT): _____
FLOATING PRODUCT (in): _____
DEPTH TO WATER (ft): 33.72 2-inch casing = 0.16 gal/ft
HEIGHT OF WATER IN WELL (ft): 8.78 4-inch casing = 0.65 gal/ft
VOLUME OF WATER IN WELL (gal): 1.4 6-inch casing = 1.47 gal/ft

TIME	VOLUME REMOVED (gal)	CONDUCT. (micro-mhos/cm)	TEMP. (deg. C)	pH	REMARKS
Started @ 11:10	5 gal	-	-	-	Water Brown / Turbid

DID WELL DEWATER? YES/NO
Additional remarks by sampler: Samples Taken @ 11:40
SAMPLE CONTAINERS DELIVERED TO: Priority
Sampler's Signature: Kelly McFarland Simpson

RMC LONESTAR

WATER QUALITY SAMPLE

COLLECTION LOG

SITE LOCATION: Sunol
SAMPLING DATE: 12-21-93 **SAMPLERS NAME:** Kelly McAdam Simpson
WELL ID.: Rmc-3 **SAMPLE ID.:** Rmc-3
PURGING METHOD: Plastic Bailer
SAMPLING METHOD: Plastic Bailer
CONTAINER TYPE/SIZE: Glass/ 1-Liter VOA
NUMBER OF CONTAINERS: 3
WEATHER CONDITION: Foggy/cold
WELL CASING DIAMETER (in): 2
WELL CASING ELEVATION (ft):
WELL CASING DEPTH (ft): 18.5
TOTAL WELL DEPTH MEASURED (FT):
FLOATING PRODUCT (in):
DEPTH TO WATER (ft): 5.12 2-inch casing = 0.16 gal/ft
HEIGHT OF WATER IN WELL (ft): 13.38 4-inch casing = 0.65 gal/ft
VOLUME OF WATER IN WELL (gal): 2.14 6-inch casing = 1.47 gal/ft

TIME	VOLUME REMOVED (gal)	CONDUCT. (micro-mhos/ cm)	TEMP. (deg. C)	pH	REMARKS
Started @ 11:55	7	—	—	—	Water light Brown / Turbid

DID WELL DEWATER? YES/NO
Additional remarks by sampler: Samples taken @ 12:10
SAMPLE CONTAINERS DELIVERED TO: Priority
Sampler's Signature: Kelly McAdam Simpson

RMC LONESTAR

WATER QUALITY SAMPLE

COLLECTION LOG

SITE LOCATION: Sunol
SAMPLING DATE: 10-21-93 **SAMPLERS NAME:** Kelly McCann Simpson
WELL ID.: RMC-4 **SAMPLE ID.:** RMC-4
PURGING METHOD: Plastic Bailer
SAMPLING METHOD: Plastic Bailer
CONTAINER TYPE/SIZE: Glass 1 Liter VOA
NUMBER OF CONTAINERS: 3
WEATHER CONDITION: Foggy/cold
WELL CASING DIAMETER (in): 2
WELL CASING ELEVATION (ft): 404.731
WELL CASING DEPTH (ft): 42.4
TOTAL WELL DEPTH MEASURED (FT): _____
FLOATING PRODUCT (in): _____
DEPTH TO WATER (ft): 34.91
HEIGHT OF WATER IN WELL (ft): 5.79
VOLUME OF WATER IN WELL (gal): .88

2-inch casing = 0.16 gal/ft
4-inch casing = 0.65 gal/ft
6-inch casing = 1.47 gal/ft

TIME	VOLUME REMOVED (gal)	CONDUCT. (micro-mhos/cm)	TEMP. (deg. C)	pH	REMARKS
Started purge @ 12:35	4	—	—	—	Water light Brown Turbid

DID WELL DEWATER? YES/~~NO~~
Additional remarks by sampler: Samples taken @ 1:10
SAMPLE CONTAINERS DELIVERED TO: Priority
Sampler's Signature: Kelly McCann Simpson

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

December 26, 1993 PEL # 9312070

RMC LONESTAR, INC.

Attn: Louis Schipper
Re: Three water samples for Gasoline/BTEX and Diesel analyses.

Project name: Sunol

Date sampled: Dec 21, 1993 Date submitted: Dec 22, 1993
Date extracted: Dec 22-23, 1993 Date analyzed: Dec 22-23, 1993

RESULTS:

SAMPLE I.D.	Gasoline (ug/L)	Diesel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
RMC-2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
RMC-3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
RMC-4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	80.7%	91.3%	82.5%	87.9%	85.4%	93.0%
Duplicate Spiked Recovery	94.2%	87.6%	90.8%	94.2%	93.1%	100.8%
Detection limit	50	50	0.5	0.5	0.5	0.5
Method of Analysis	5030 / 8015	3510 / 8015	602	602	602	602

David Duong
Laboratory Director

1764 Houret Court Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

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PEL # 9312070

INV # 24321

Chain of Custody

DATE: 12 / 21 / 93 **PAGE:** 1 **OF:** 1

PROJECT MGR.: Louis Schipper
COMPANY: RMC Lonestar
ADDRESS: 6601 Koll Center Parkway
Pleasanton, CA 94566
PHONE: 510 - 426 - 2261 **FAX:** 510 - 426 - 2231
SIGNATURE: Kelly McClain

ANALYSIS REPORT

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TPH-Gasoline (EPA 5030.8015)	TPH-Gasoline(5030.8015) w/BTEX(EPA 602.8020)	TPH-Diesel (EPA 3510/3550.8015)	PURGEABLE AROMATICS BTEX (EPA 602.8020)	TOTAL OIL & GREASE (EPA 5520 E&F)	PESTICIDES/PCB (EPA 608.8080)	TOTAL RECOVERABLE HYDROCARBONS EPA 418.1	NUMBER OF CONTAINERS
RMC-2	12/21/93	11:40				✓	✓					
RMC-3	12/21/93	12:10				✓	✓					
RMC-4	12/21/93	1:10				✓	✓					
Blank	12/21/93	1:25				✓	✓					

PROJECT INFORMATION
PROJECT NAME: Sunol
PROJECT NUMBER:

SAMPLE RECEIPT
TOTAL # OF CONTAINERS: 12
RECD. GOOD COND./COLD:

INSTRUCTIONS & COMMENTS: Only Test Blank if A Sample is positive

RELINQUISHED BY: 1	RECEIVED BY: 1	RELINQUISHED BY: 2	RECEIVED BY: 2
Kelly McClain-Simpson			
SIGNATURE: Kelly McClain-Simpson Date: 12/21/93	SIGNATURE: Date: 12/22/93	SIGNATURE: Date:	SIGNATURE: Date:
NAME: Kelly McClain-Simpson Time: 1:49	NAME: Time: 1:50	NAME: Time:	NAME: Time:
COMPANY: RMC Lonestar	COMPANY: PEL	COMPANY:	COMPANY: