

ENVIRONMENTAL SERVICES

1181 Quarry Lane
Bldg. 350
Pleasanton, CA 94566
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Suite 105
Fresno, CA 93706
Tel: 209/485-2429
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April 23, 1992
Job No. R92013

Mr. Bradd Statley
RMC Lonestar
6601 Koll Center Parkway
Pleasanton, California 94566

Subject: Monitor Well Sampling at Tracy, Union City,
Pleasanton and Santa Clara, California
RMC Lonestar Facilities

Dear Mr. Statley:

At your authorization and request, Remediation Services, Inc. (RS) has performed well sampling services at your Union City, Tracy, Pleasanton and Santa Clara, California properties (Site Vicinity Maps, Figures 1,3,5,7, and 9). The following report includes a description of sampling activities, sample logs, and chain-of-custody records.

On April 16, 20, 21, and 22 1992, eighteen of the monitoring wells were sampled. The nineteenth well, MW-3 in Santa Clara, was not found. Figures 2,4,6,8, and 10 present well location maps for each site.

Prior to sampling, water levels were measured from top of casing and at least three well volumes of water were purged from the wells. Deep wells were purged with a four-inch Grundfos stainless-steel submersible pump; a Well Wizard bladder pump or a teflon bailer were used to purge the shallower wells. Purge water was drummed and left on-site for disposal by RMC Lonestar. Equipment was decontaminated after use in each well. During purging, the pH, electrical conductivity (EC) and temperature of discharge groundwater were monitored and recorded at regular intervals. Samples for chemical analyses were collected after pH, EC, and temperature readings remained stable during purging. Samples were refrigerated until picked up by GeoChem Labs on April 23, 1992.

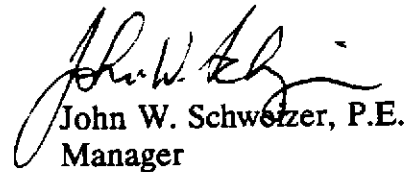
April 23, 1992
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Page 2

Sample Logs, which show data taken during purging for samples, are presented in Appendix A. Chain-of-Custody/Request for Analysis documentation is presented in Appendix B.

We trust this information meets your present needs. Please call Ms. Anne Cahn or the undersigned if you have questions.

Sincerely,

REMEDATION SERVICES, INC.


John W. Schweizer, P.E.
Manager

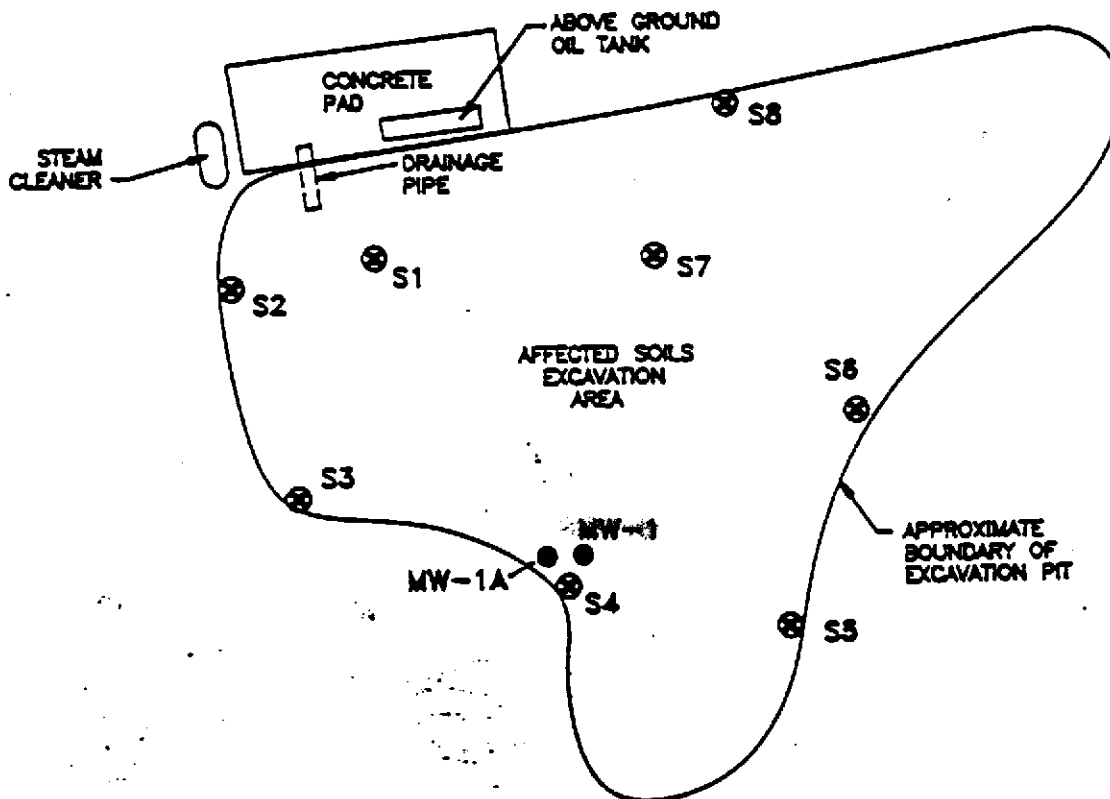
JWS:AC/kw

Enclosures: Figures 1-10
Appendices A and B

TRUCK
MAINTENANCE
FACILITY

DIESEL
FUEL
TANK

ACCESS ROAD



EXPLANATION

- S1 ⊕ Soil sample location
- MW1 ● Monitoring well location



DATE	BY	DATE	REVISION	 REMIEDIATION SERVICES, INC.	WELL LOCATIONS		JOB NUMBER
DRAWN	ED	4-29-94			1544 STANLEY BLVD. PLEASANTON, CA	R82013	
CHECKED	HC	4/26/94				SCALE: AS SHOWN	
APPROVED	AC	4/26/94				FIGURE 6	

DATE	04	21	92
TIME	1	6	30
PAGE	OF		
PAGE			
PROJ. NO.	202013		

SAMPLE COLLECTION LOG

PROJECT NAME Time LOWESTAR

SAMPLE NO. 04211630

SAMPLE LOCATION MW-1A (Pleasanton)

SAMPLE TYPE WATER

CONTAINERS USED

AMOUNT COLLECTED

COMPOSITE YES NO

COMPOSITE TYPE _____

DEPTH OF SAMPLE _____

WEATHER Sunny

WELL DEPTH (FT) 57'

PURGE METHOD BLANDER PUMP

NOMINAL CASING DIA (IN) 4"

PURGE RATE (GPM) _____

WELL CASING VOLUME (GAL) 8.5

DATE SAMPLED 4.21.92

WELL CASING VOLUME REMOVED (GAL) 20.0

TIME SAMPLED 16:30

INITIAL WATER ELEVATION (FT) 43.90

SAMPLING METHOD TEPM BAILER

FINAL WATER ELEVATION (FT) 43.90

SAMPLE TYPE WATER

DATES PURGED 4-21-92

WEATHER CONDITIONS Sunny

PURGED/SAMPLED BY E. URBANO / G. ZAMORA

PURGE RATE (GPM) _____

WATER SAMPLING DATA

TIME	VOLUME REMOVED (GAL)	ELECTRICAL CONDUCTIVITY (µMHO/CM)	PH	TEMPERATURE (°C)	TURBIDITY (NTU)
16:10	5.0	1000	7.7	19.6	
16:20	10.0	950	7.9	19.6	
16:22	15.0	950	7.8	19.8	
16:25	20.0	950	7.8	20.5	
16:28	20.0	950	7.8	20.2	
16:30	Sampled				

DATE	042292
TIME	1130
PAGE	OF
PAGE	
PROJ. NO.	RJ2013

SAMPLE COLLECTION LOG

PROJECT NAME PMC LOWESTAR

SAMPLE NO. 04221130

SAMPLE LOCATION MW-1 (PLEASANTON)

SAMPLE TYPE	CONTAINERS USED	AMOUNT COLLECTED
<u>WATER</u>	<u>2 - 50 ml VOA'S</u>	<u>FULL</u>
COMPOSITE <u>YES</u> <input checked="" type="checkbox"/> <u>NO</u> <input type="checkbox"/>	<u>2 - 1 LITER B. VOD'S</u>	<u>FULL</u>

COMPOSITE TYPE _____

DEPTH OF SAMPLE _____

WEATHER Sunny

WELL DEPTH (FT)	PURGE METHOD
<u>96.0</u>	<u>BRANDER PUMP</u>
NOMINAL CASING DIA (IN)	PURGE RATE (GPM)
<u>4"</u>	
WELL CASING VOLUME (GAL)	DATE SAMPLED
<u>33</u>	<u>4-22-92</u>
WELL CASING VOLUME REMOVED (GAL)	TIME SAMPLED
<u>90.0</u>	<u>11:30</u>
INITIAL WATER ELEVATION (FT)	SAMPLING METHOD
<u>45.0</u>	<u>TEKOR BRAND</u>
FINAL WATER ELEVATION (FT)	SAMPLE TYPE
<u>45.0</u>	<u>WATER</u>
DATE(S) PURGED	WEATHER CONDITIONS
<u>4-22-92</u>	
PURGED/SAMPLED BY	PURGE RATE (GPM)
<u>E. URBANO / O. ZAMORA</u>	

WATER SAMPLING DATA

TIME	VOLUME REMOVED (GAL)	ELECTRICAL CONDUCTIVITY (micro/cm)	pH	TEMPERATURE (C)	TURBIDITY (NTU)
9:00	10	800	7.0	17.2	
9:20	20	820	7.4	17.6	
9:40	30	810	7.6	17.4	
9:55	35	820	7.6	17.6	
10:40	40	800	7.6	18.2	
11:00	50	820	7.6	18.0	
11:20	60	800	7.7	18.0	
11:25	80	800	7.6	18.0	
11:30	<u>Sampled</u>				

GEOCHEM LABS

GCL # 0492047

PO # 98561193

INV # 22787

Chain of Custody

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

DATE: 4/16/92 PAGE: 1 OF 2

PROJECT MOR: <u>A. CAIN</u>			ANALYSIS REPORT														NUMBER OF CONTAINERS	
COMPANY: <u>DEMOLITION SERVICES</u>			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	TDS	ALKALINITY	CHLORIDE	SULFATE	SULFIDE	NITRATE as N	TOC		DISSOLVED IONS
04160950	4-16-92	9:50	✓	✓														4
04161030	4-16-92	10:30	✓	✓														4
04161145	4-16-92	11:45	✓	✓														4
04211200	4-21-92	12:00							✓	✓	✓	✓	✓	✓	✓	✓	✓	3
04211245	4-21-92	12:45							✓	✓	✓	✓	✓	✓	✓	✓	✓	3
04211330	4-21-92	13:30							✓	✓	✓	✓	✓	✓	✓	✓	✓	3
04201120	4-20-92	11:20	✓	✓														4
04201210	4-20-92	12:10	✓	✓														4
04201245	4-20-92	12:45	✓	✓														4
04201320	4-20-92	13:20	✓	✓														4
04201415	4-20-92	14:15	✓	✓														4
04201445	4-20-92	14:45	✓	✓														4

PROJECT INFORMATION		SAMPLE RECEIPT		RELINQUISHED BY: 1	RECEIVED BY: 1	RELINQUISHED BY: 2	RECEIVED BY: 2
PROJECT NAME: <u>ZMC LONESTAR</u>	TOTAL # OF CONTAINERS	REC'D. GOOD COND./COLD		SIGNATURE: <u>[Signature]</u> Date: <u>4/16/92</u>	SIGNATURE: <u>[Signature]</u> Date: <u>8:05 PM</u>	SIGNATURE:	SIGNATURE:
PROJECT NUMBER: <u>R92013</u>				NAME: <u>DAVID DUONG</u> Time: <u>04/16/92</u>	NAME:	NAME:	NAME:
INSTRUCTIONS & COMMENTS:				COMPANY: <u>Geochem Labs, Inc</u>	COMPANY:	COMPANY:	COMPANY:



GEOCHEM LABS

Precision Environmental Analytical Laboratory

GCL # 0492047

Date: Apr. 27, 1992

RMC LONESTAR

Attn: Bradd Statley

Re: Fifteen water samples for Gasoline/BTEX and Diesel analyses.

Project name: RMC LONESTAR

Project number: R92013

Date sampled: Apr. 16-22, 1992

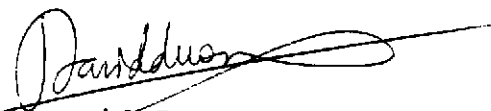
Date submitted: Apr. 23, 1992

Date extracted: Apr. 23-26, 1992

Date analyzed: Apr. 23-26, 1992

RESULTS:

SAMPLE I.D.	Gasoline (ug/L)	Diesel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
04160950	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
04161030	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
04161145	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
04201120	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
04201210	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
04201245	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
04201320	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
04201415	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
04201445	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
04201515	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
04211630	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
04221130	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
04221310	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
04221345	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
04221350	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	102.7%	88.4%	100.9%	96.9%	104.4%	93.2%
Duplicate Spiked Recovery	98.1%	104.2%	92.6%	101.4%	94.2%	97.7%
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