

## Gary Rogers, Ph.D.

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March 20, 1996

**REF: 1004.95**

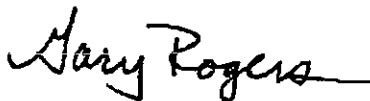
Mr. Barney Chan  
Environmental Health  
Alameda County  
1131 Harbor Bay Pkwy  
Alameda, CA 94502-6577

**SUBJECT: SITE WORK AT 1234 40TH AVE., OAKLAND, CALIFORNIA**

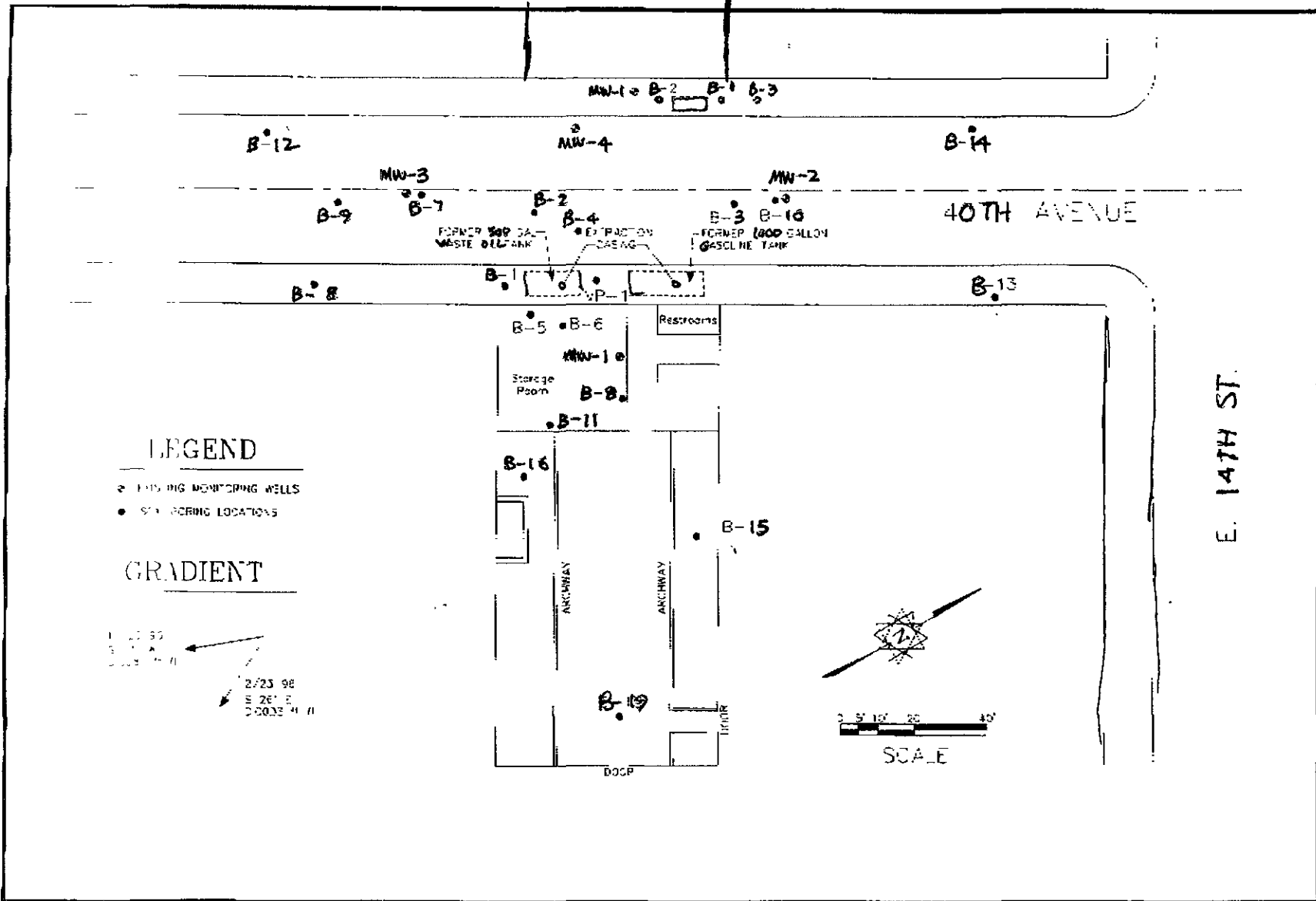
Dear Barney:

I have attached a copy the site layout drawing for the Phase II work at the Motor Partners site. The figure shows the location of all monitoring wells and borings. I have also included summary tables of the soil and groundwater data that has been collected to date. If you have any questions please give me a call.

Sincerely,



Gary Rogers, Ph.D.



GARY ROGERS, PH.D. ENVIRONMENTAL CONSULTANT 2657 BAILEY CT. FREMONT, CA 94536 (510) 791-7157	DRAWN BY GLR	PROJECT NUMBER 1004	DESCRIPTION Sampling Locations	FIGURE (3)	
	DRAWING DATE 2/27 96	FILENAME 1004-PE2.DWG			
	REVIEWED BY	PROJECT MANAGER GLR	PROJECT LOCATION Motor Partners 1234 40th Ave., Oakland		
	REVISION BY	ORDER BY			

Motor Partners, 1234 40th Ave., Oakland CA  
 Phase II Investigation Report

February 27 1996  
 File 1001 PE2.DWG

0 mg N.D. (<dl)

SOIL ANALYTICAL RESULTS -- MOTOR PARTNERS

Sample I.D. Number	Date Collected	X Direction	Y Direction	Depth (ft)	TPH-D (mg/kg)	TPH-C (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)	TPH- Motor Oil (mg/kg)
B-1-2	5-17-94	186	226	9	260	850	0.55	0.63	0.42	3.6	0
D-2-2	6-1-94	194	245	9.5	1,000	1,900	0	5.0	36	29	
B-3-1	5-17-94	249	247	6	0	910	0	0.026	0.049	0.092	0
B-4-1	6-1-94	206	240	3	0	0	0	0	0	0	
B-4-2	6-1-94	206	240	7.5	44	83	0.087	0.20	0.21	0.46	
B-4-3	6-1-94	206	240	11	450	1,000	5.6	8.4	15	71	
B-5-2	5-17-94	193	218	12	2,700	1,100	15	3.7	13	24	9300
B-6-1	5-17-94	202	215	9.5	140	260	0.49	0.53	3.9	13	0
B-7-1	6-1-94	163	250	6	0	3.0	0.01	0	0	0.019	
B-7-2	6-1-94	163	250	10.5	280	1,100	0.38	1.9	3.4	5.9	
B-8-1	6-1-94	219	195	6	0	0	0	0	0	0	
B-8-2	6-1-94	219	195	11	0	0	0	0	0	0	
B-9-1	6-2-94	140	247	6	0	0	0	0	0	0.008	
B-9-2	6-2-94	140	247	11	0	1.8	0	0	0	0.01	
B-10-1	6-2-94	260	248	4	0	0	0	0	0	0	
B-10-2	6-2-94	260	248	9	0	2.3	0	0	0.007	0.01	
B-11-1	6-2-94	199	188	4.5	0	0	0	0	0	0	
B-11-2	6-2-94	199	188	9.5	520	30	0	0	0	0.073	
B-16-3	11-30-95	192	174	11.5	640	190	0.1	0	0	3.2	
B-15-3	11-30-95	239	158	14.5	0	0	0	0	0	0	
B-19-2	11-30-95	218	110	14.5	0	0	0	0	0	0	
B-14-2	2-7-96	314	268	12	0	0	0	0	0	0	

## SOIL ANALYTICAL RESULTS -- MOTOR PARTNERS

Sample I.D. Number	Date Collected	X Direction	Y Direction	Depth (ft)	TPH-D (mg/kg)	TPH-G (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)	TPH- Motor Oil (mg/kg)
B-13-2	2-7-96	321	223	11	0	0	0	0	0	0	
B-12-2	2-7-96	121	266	11	150	200	0	0.084	0.62	0.8	
B-18-2	2-7-96	134	226	11	0	0	0	0	0	0	
MW 4 2	2-1-96	205	268	10	350	470	0.05	0.14	4.3	1.8	
VP 1-1	2-7-96	212	227	2.5	240	31	0.01	0	0.24	0.038	
VP-1-2	2-7-96	212	227	7.5	0	0	0	0	0	0	

GROUNDWATER ANALYTICAL RESULTS - MOTOR PARTNERS										
Sample I.D Number	Date Collected	X Direction	Y Direction	TPE-D ( $\mu\text{g}/\text{kg}$ )	TPE-G ( $\mu\text{g}/\text{kg}$ )	Benzene ( $\mu\text{g}/\text{kg}$ )	Toluene ( $\mu\text{g}/\text{kg}$ )	Ethyl Benzene ( $\mu\text{g}/\text{kg}$ )	Total Xylenes ( $\mu\text{g}/\text{kg}$ )	TPE- Motor Oil ( $\mu\text{g}/\text{kg}$ )
B-1-W-1	5/17/94	186	226	16000	16000	210	46	150	190	16000
B-2-W	6/1/94	194	245	7000	8100	220	34	220	60	
B-3-W-4	6/1/94	249	247	620	910	5.3	2.5	3	5	ND
B-4-W	6/1/94	206	240	4900	38000	3200	1800	2000	7100	
B-5-W-2	5/17/94	193	218	2100	3700	370	25	180	160	7400
B-6-W-3	5/17/94	202	215	8600	64000	2900	5200	3800	13000	430
B-7-W	6/1/94	163	250	4500	12000	380	36	520	170	
B-8-W	6/1/94	219	195	470	570	6.8	3.2	1.7	5.7	
B-9-W	6/2/94	140	247	ND	160	2.8	0.62	ND	0.61	
B-10-W	6/2/94	260	248	1700	6100	28	29	14	62	
B-11-W	6/2/94	199	188	94	750	6.8	3.2	1.7	5.7	
B-16	11/30/95	192	174	300	2000	ND	2	ND	65	
B-15	11/30/95	239	158	80	ND	ND	ND	ND	ND	
B-19	11/30/95	218	110	ND	ND	ND	ND	ND	ND	
B-14	2/7/96	314	268	ND	ND	ND	ND	ND	ND	
B-13	2/7/96	321	223	ND	400	3	ND	2	3	
B-12	2/7/96	121	266	16000	22000	250	7	210	120	
B-18	2/7/96	134	226	ND	ND	ND	ND	ND	ND	
MW-1	6/17/94	218	207	2,400	17,000	1,200	220	1,000	2,600	
MW-1	11/29/95	218	207	53,000	67,000	860	180	1,300	3,100	
MW-1	2/23/96	218	207	25,000	16,000	360	ND	370	740	
MW-2	6/17/94	263	249	370	990	ND	1.3	2.3	4.4	

<b>GROUNDWATER ANALYTICAL RESULTS – MOTOR PARTNERS</b>										
Sample I.D. Number	Date Collected	X Direction	Y Direction	TPH-D ( $\mu\text{g/kg}$ )	TPH-G ( $\mu\text{g/kg}$ )	Benzene ( $\mu\text{g/kg}$ )	Toluene ( $\mu\text{g/kg}$ )	Ethyl Benzene ( $\mu\text{g/kg}$ )	Total Xylenes ( $\mu\text{g/kg}$ )	TPH- Motor Oil ( $\mu\text{g/kg}$ )
MW-2	12/07/94	263	249	ND	170	2.1	0.70	0.60	1.7	
MW-2	11/29/95	263	249	200	400	ND	ND	ND	3	
MW-2	2/23/96	263	249	ND	500	ND	ND	ND	ND	
MW-3	6/17/95	159	250	2,200	9,500	330	40	100	74	
MW-3	12/07/94	159	250	1,700	7,500	380	42	130	72	
MW-3	11/29/95	159	250	14,000	9,000	300	49	300	16	
MW-3	2/23/96	159	250	14,000	13,000	270	83	260	67	
MW-4	2/23/96	205	268	3,000	6,000	58	36	6	28	

1) no [B] missed gales  
 2) gradient (?) southerly

**Table 3**  
**Summary of Soil and Groundwater Sampling Results**  
**For New Genico Site**  
**40th Ave., Oakland, California**

Soil Sampling								
Sample I.D. Number	Date Collected	Depth (ft)	TPH-D (mg/kg)	TPH-G (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)
B-1-1	9-9-93	4		ND	ND	ND	ND	1.2
B-1-2	9-9-93	7		180	ND	0.022	0.43	3.5
B-2-1	9-9-93	4		6.7	ND	ND	0.24	0.82
B-2-2	9-9-93	7		360	ND	0.58	2.8	9.9
B-3-5	3-3-94	5	ND	ND	ND	ND	ND	ND
B-3-9.5	3-3-94	9.5	31	800	ND	1.8	1.4	5.8
MW-1 5	3-3-94	5	ND	110	ND	ND	0.19	0.16
MW-1-10	3-3-94	10	33	1000	ND	2.8	6.9	11
Detection Limit			1	10	20	0.005	0.005	0.005
Groundwater Sampling								
Sample I.D. Number	Date Collected	Depth (ft)	TPH-D (µg/L)	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)
MW-1	3-7-94		4600	64000	3200	740	1800	2100
MW-1	6-17-94		3300	10000	1500	170	99	570
MW-1	3-15-95		3200	14000	2000	250	590	930
MW-1	9-14-95		3200	13000	1100	76	480	390
California Drinking Water MCL (µg/L)			None Listed	None Listed	1.0	1000	680	1750
Detection Limit			50	50	0.5	0.5	0.5	0.5

on 1234-  
 404m  
 MW 1  
 17, 1.2

**Notes:**

- All soil results in mg/kg (ppm)
- All groundwater results in µg/L (ppb)
- ND = Not Detected
- NA = Not Analyzed

**Summary of Soil and Groundwater Sampling Results  
For New Genico Site (From John Cummings' Reports)  
40th Ave., Oakland, California**

<b>Soil Sampling</b>								
Sample I.D. Number	Date Collected	Depth (ft)	TPH-D (mg/kg)	TPH-C (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)
B-1-1	9-9-93	4		ND	ND	ND	ND	1.2
B-1-2	9-9-93	7		180	ND	0.022	0.43	3.5
B-2-1	9-9-93	4		6.7	ND	ND	0.24	0.82
B-2-2	9-9-93	7		360	ND	0.58	2.8	9.9
B-3-5	3-3-94	5	ND	ND	ND	ND	ND	ND
B-3-9.5	3-3-94	9.5	31	800	ND	1.8	1.4	5.8
MW-1-5	3-3-94	5	ND	110	ND	ND	0.19	0.16
MW-1-10	3-3-94	10	33	1000	ND	2.8	6.9	11
Detection Limit			1	10	20	0.005	0.005	0.005
<b>Groundwater Sampling</b>								
Sample I.D. Number	Date Collected	Depth (ft)	TPH-D ( $\mu\text{g/L}$ )	TPH-G ( $\mu\text{g/L}$ )	Benzene ( $\mu\text{g/L}$ )	Toluene ( $\mu\text{g/L}$ )	Ethyl Benzene ( $\mu\text{g/L}$ )	Total Xylenes ( $\mu\text{g/L}$ )
MW-1	3-7-94		4600	64000	3200	740	1800	2100
MW-1	6-17-94		3300	10000	1500	170	99	570
MW-1	3-15-95		3200	14000	2000	250	590	930
MW-1	9-14-95		3200	13000	1100	76	480	390
California Drinking Water MCL ( $\mu\text{g/L}$ )			None Listed	None Listed	1.0	1000	680	1750
Detection Limit			50	50	0.5	0.5	0.5	0.5

**Notes:**

All soil results in mg/kg (ppm)

All groundwater results in  $\mu\text{g/L}$  (ppb)

ND = Not Detected

NA = Not Analyzed