

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



R095

May 12, 1998

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700

ATTN: Sir Or Madam

Volvo G M Heavy Truck Cor
P O Box 26115
Greensboro NC 27402

RE: Project # 4034B - Type A
at 5050 Coliseum Way in Oakland 94601

Dear Property Owner/Designee:

Our records indicate the deposit/refund account for the above project has fallen below the minimum deposit amount. To replenish the account, please submit an additional deposit of \$734.40, payable to Alameda County, Environmental Health Services, within two weeks of receipt of this letter.

It is expected that the amount requested will allow the project to be completed with a zero balance. Otherwise, more money will be requested or any unused monies will be refunded to you or your designee.

The deposit refund mechanism is authorized in Section 6.92.040L of the Alameda County Ordinance Code. Work on this project will be debited at the Ordinance specified rate, currently \$94 per hour.

Please be sure to write the following identifying information on your check:

- project #
- type of project and
- site address

(see RE: line above).

If you have any questions, please contact Amir Gholami at (510) 567-6876.

Sincerely,

Tom Peacock, Manager
Environmental Protection

c: files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0#95

March 5, 1997

Mr. Robert Whelan
Volvo GM Heavy Truck Corp.
P.O. Box 26115
Greensboro, NC 27402

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

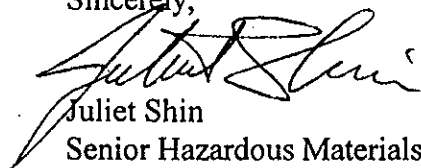
Re: Request for an additional deposit for oversight costs for the site located at 5050 Coliseum Way, Oakland, CA 94601

Dear Mr. Whelan,

Per our conversation on February 25, 1997, Volvo GM will be covering the County's oversight costs for the above site until ~April 1997. Since the last deposit was submitted in November 1993, for \$1,500.00, a great deal of oversight work has been conducted by the County (as outlined in the attached work summary sheet). Therefore, Volvo GM currently owes the County a balance of ~\$2,200.00. Per our conversation, this office is requesting that Volvo GM submit an additional deposit for \$2,500.00 to cover the overdue oversight costs and anticipated oversight costs for March 1997.

If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,



Juliet Shin
Senior Hazardous Materials Specialist

ATTACHMENT

cc: Dwight R. Hoenig
Clayton Environmental Consultants
P.O. Box 9019
Pleasanton, CA 94566

Acting Chief

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



12095

STID 584

January 27, 1997

Mr. Robert Whelen
Environmental Services
Volvo GM Heavy Truck
7900 National Service Road
P. O. Box 26115
Greensboro, NC 27402-6115

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

RE: 5050 COLISEUM WAY AND 750 - 50TH AVENUE, OAKLAND, CA 94601

Dear Mr. Whelen:

This office is in receipt of and has completed review of the case file for this site including the Levine-Fricke Recon "Addendum to the November 12, 1996 Work Plan to Evaluate Possible Groundwater Migration Pathways Downgradient from 5050 Coliseum Way and 750-50th Avenue", dated December 13, 1996.

This work plan is approved. It is my understanding that field work will commence sometime in February 1997, contingent on receipt of encroachment permits.

Please contact me at 510/567-6880 should you have any questions about the content of this letter.

Sincerely,

Dale Klettke, CHMM
Hazardous Materials Specialist

c: Dale Klettke--files
Kathleen Isaacson, Levine-Fricke, 1900 Powell St., 12th Floor, Emeryville, CA
94608-1811
Lawrence S. Bazel, c/o Beveridge & Diamond, Suite 3400, One Sansome Street, San
Francisco, CA 94104-4438
Sum Arigala, RWQCB

0584wpok.pez

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



✓ RO# 95 (5050 Coliseum)

STID 584

October 10, 1996

Mr. Robert Whelen
Environmental Services
Volvo GM Heavy Truck
7900 National Service Road
P. O. Box 26115
Greensboro, NC 27402-6115

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

RE: 5050 COLISEUM WAY AND 750 50TH AVENUE, OAKLAND, CA 94601

Dear Mr. Whelen:

This letter is a follow-up to the July 31, 1996 and September 10, 1996 meetings which were held at the Alameda County Department of Environmental Health at 1331 Harbor Bay Parkway in Alameda, CA.

It was mutually agreed upon at the September 10, 1996 meeting, that the work plan documenting additional investigations required to perform a CA-Modified ASTM Risk-Based Corrective Action (RBCA), Tier 2 risk assessment is due within 60 days of our meeting, or no later than November 10, 1996.

In addition, due to the nature of the site assessments being performed at the 5050, 5051 and 5200 Coliseum Way properties, coordinated groundwater monitoring for the four adjoining properties is being requested by this office. You are being requested to coordinate groundwater elevation measurements (used to calculate groundwater gradients) to include all groundwater monitoring wells which are located at the 4930, 5050, 5051 and 5200 Coliseum Way properties. **This office requests that the coordination of groundwater monitoring efforts results in depth-to-groundwater measurements for all wells on the four adjoining properties to occur within a one-hour time period.**

Finally, groundwater level measurements are to be collected during the new moon at the corresponding low and high tides. The next new moon will occur at the end of October (see enclosed tide summaries for October, November and December 1996). Also, enclosed is a tidal differences chart used to correct tides calculated for the Golden Gate Bridge. Please use the location "Bay Farm Island, San Leandro Bay" for tidal corrections. **The requested groundwater monitoring is to be completed within the calendar year 1996, including a report submitted to this office within 90 days of the date of this letter, or no later than January 10, 1997.**

Please be advised that this letter constitutes a formal request for technical reports pursuant to California Water Code Section 13267(b) and Health and Safety Code Sections 25299.37 and 25299.78.

Mr. Robert Whelen
RE: 5050 Coliseum Way and 750 50th Avenue, Oakland, CA
October 10, 1996
Page 2 of 2

If you have any questions, you may reach me directly at (510) 567-6880.

Sincerely,

A handwritten signature in cursive script that reads "Dale Klettke". The signature is written in black ink and has a long horizontal flourish extending to the right.

Dale Klettke, CHMM
Hazardous Materials Specialist

enclosure

c: Thomas Peacock, LOP manager--files
Kathleen Isaacson, Levine-Fricke, 1900 Powell St., 12th Floor, Emeryville, CA
94608-1811
Lawrence S. Bazel, c/o Beveridge & Diamond, Suite 3400, One Sansome Street, San
Francisco, CA 94104-4438
Sum Arigala, RWQCB

0584moon.new

OCTOBER
TIDES AT GOLDEN GATE, SAN FRANCISCO 1996
 Heights in feet *Pacific Daylight Saving Time Ends October 27 at 0200 Hrs.

Moon	Day	Time	Ht.	Time	Ht.	Time	Ht.	Time	Ht.
N O	1 Tue	0346	4.8	0844	2.4	1503	5.7	2133	0.4
	2 Wed	0453	4.6	0942	2.8	1551	5.5	2231	0.7
	3 Thu	0606	4.5	1054	3.1	1646	5.2	2335	0.9
	4 Fri	0718	4.5	1213	3.1	1748	5.0		
A O	5 Sat	0040	1.0	0817	4.7	1323	2.9	1855	4.9
	6 Sun	0139	1.0	0903	4.8	1419	2.6	2000	4.9
	7 Mon	0229	0.9	0939	5.0	1506	2.2	2058	4.9
	8 Tue	0312	0.9	1010	5.1	1547	1.7	2149	5.0
E O	9 Wed	0350	0.9	1038	5.2	1623	1.3	2236	5.0
	10 Thu	0425	1.0	1105	5.4	1657	0.9	2321	5.0
	11 Fri	0458	1.1	1132	5.6	1731	0.6		
	12 Sat	0005	5.0	0530	1.4	1201	5.7	1805	0.3
S O	13 Sun	0049	4.9	0603	1.7	1231	5.8	1841	0.1
	14 Mon	0134	4.9	0638	2.0	1304	5.9	1921	-0.1
	15 Tue	0224	4.8	0716	2.3	1341	5.9	2005	-0.1
	16 Wed	0319	4.7	0800	2.7	1423	5.9	2055	-0.1
P O	17 Thu	0420	4.6	0855	3.0	1513	5.8	2152	0.0
	18 Fri	0528	4.7	1005	3.1	1613	5.6	2255	0.1
	19 Sat	0635	4.8	1128	3.0	1724	5.4		
	20 Sun	0003	0.2	0735	5.1	1249	2.7	1841	5.3
E O	21 Mon	0107	0.3	0827	5.4	1357	2.1	1957	5.2
	22 Tue	0206	0.3	0912	5.7	1455	1.4	2108	5.3
	23 Wed	0259	0.5	0954	6.0	1547	0.7	2212	5.3
	24 Thu	0348	0.7	1033	6.2	1634	0.1	2311	5.4
O N	25 Fri	0433	1.0	1112	6.4	1719	-0.3		
	26 Sat	0006	5.3	0517	1.3	1149	6.4	1803	-0.6
	27 Sun	0059	5.2	0500	1.7	1126	6.3	1745	-0.6
	28 Mon	0051	5.1	0544	2.1	1202	6.2	1828	-0.5
N O	29 Tue	0143	5.0	0629	2.5	1240	5.9	1911	-0.2
	30 Wed	0238	4.8	0718	2.9	1319	5.6	1957	0.1
	31 Thu	0335	4.7	0816	3.2	1403	5.3	2047	0.4

LUNAR DATA

- = NEW MOON
- = LAST QUARTER
- N = FARTHEST NORTH OF EQUATOR
- = FIRST QUARTER
- A = IN APOGEE
- E = ON EQUATOR
- = FULL MOON
- P = IN PERIGEE
- S = FARTHEST SOUTH OF EQUATOR

NOVEMBER
TIDES AT GOLDEN GATE, SAN FRANCISCO 1996
 Heights in feet Pacific Standard Time

Moon	Day	Time	Ht.	Time	Ht.	Time	Ht.	Time	Ht.
A O	1 Fri	0435	4.7	0925	3.3	1454	5.0	2141	0.7
	2 Sat	0533	4.7	1043	3.2	1554	4.7	2239	0.9
	3 Sun	0624	4.8	1154	2.9	1703	4.4	2337	1.1
	4 Mon	0706	5.0	1252	2.5	1816	4.3		
E O	5 Tue	0030	1.2	0741	5.1	1340	2.0	1925	4.3
	6 Wed	0118	1.3	0813	5.3	1421	1.4	2027	4.4
	7 Thu	0200	1.4	0844	5.6	1458	0.9	2121	4.5
	8 Fri	0240	1.6	0914	5.8	1533	0.4	2211	4.6
S O	9 Sat	0318	1.8	0946	6.0	1608	0.0	2259	4.7
	10 Sun	0355	2.0	1019	6.2	1644	-0.4	2346	4.8
	11 Mon	0433	2.2	1054	6.3	1723	-0.7		
	12 Tue	0034	4.9	0513	2.5	1132	6.4	1804	-0.8
P O	13 Wed	0123	4.9	0557	2.7	1213	6.3	1849	-0.8
	14 Thu	0215	5.0	0647	2.9	1259	6.2	1937	-0.7
	15 Fri	0310	5.0	0747	3.0	1352	5.9	2031	-0.4
	16 Sat	0407	5.1	0859	3.0	1455	5.5	2129	-0.1
E O	17 Sun	0504	5.3	1021	2.8	1607	5.1	2231	0.2
	18 Mon	0559	5.5	1141	2.3	1728	4.8	2333	0.6
	19 Tue	0649	5.8	1249	1.6	1850	4.7		
	20 Wed	0033	0.9	0736	6.1	1348	0.9	2007	4.7
O N	21 Thu	0128	1.2	0820	6.3	1440	0.2	2115	4.8
	22 Fri	0220	1.5	0901	6.5	1526	-0.3	2215	4.9
	23 Sat	0308	1.8	0941	6.6	1610	-0.6	2309	5.0
	24 Sun	0354	2.1	1019	6.6	1650	-0.7		
N O	25 Mon	0000	5.0	0439	2.4	1056	6.4	1730	-0.7
	26 Tue	0048	5.0	0523	2.7	1132	6.2	1808	-0.6
	27 Wed	0135	5.0	0607	2.9	1208	6.0	1847	-0.4
	28 Thu	0220	4.9	0654	3.1	1244	5.7	1926	-0.1
A O	29 Fri	0306	4.9	0746	3.2	1324	5.3	2008	0.2
	30 Sat	0351	4.8	0846	3.3	1409	4.9	2052	0.5

LUNAR DATA

- = NEW MOON
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- N = FARTHEST NORTH OF EQUATOR
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- = FULL MOON
- P = IN PERIGEE
- S = FARTHEST SOUTH OF EQUATOR

DECEMBER
TIDES AT GOLDEN GATE, SAN FRANCISCO 1996
 Heights in feet Pacific Standard Time

Moon	Day	Time	Ht.	Time	Ht.	Time	Ht.	Time	Ht.
A O	1 Sun	0435	4.9	0955	3.2	1502	4.5	2140	0.8
	2 Mon	0518	5.0	1107	2.9	1607	4.2	2232	1.2
	3 Tue	0559	5.1	1210	2.4	1725	3.9	2325	1.5
	4 Wed	0637	5.3	1303	1.9	1847	3.8		
E O	5 Thu	0018	1.7	0715	5.6	1349	1.3	2003	3.9
	6 Fri	0108	2.0	0752	5.9	1429	0.7	2107	4.2
	7 Sat	0155	2.2	0829	6.1	1508	0.1	2202	4.4
	8 Sun	0240	2.4	0907	6.4	1546	-0.4	2252	4.7
S O	9 Mon	0324	2.5	0946	6.6	1625	-0.8	2339	4.9
	10 Tue	0409	2.6	1027	6.7	1706	-1.1		
	11 Wed	0025	5.0	0454	2.7	1110	6.8	1749	-1.3
	12 Thu	0111	5.2	0543	2.7	1156	6.7	1834	-1.2
P O	13 Fri	0158	5.3	0637	2.7	1246	6.4	1921	-1.0
	14 Sat	0246	5.4	0737	2.7	1340	6.0	2010	-0.6
	15 Sun	0336	5.5	0847	2.6	1442	5.4	2103	-0.1
	16 Mon	0427	5.7	1004	2.3	1554	4.9	2200	0.5
E O	17 Tue	0518	5.9	1122	1.8	1717	4.5	2300	1.0
	18 Wed	0610	6.2	1234	1.2	1846	4.3		
	19 Thu	0001	1.5	0700	6.4	1336	0.6	2008	4.3
	20 Fri	0101	1.9	0748	6.5	1430	0.1	2118	4.5
N O	21 Sat	0157	2.2	0833	6.6	1517	-0.3	2217	4.7
	22 Sun	0250	2.5	0916	6.6	1559	-0.5	2308	4.9
	23 Mon	0338	2.6	0956	6.6	1638	-0.6	2354	5.0
	24 Tue	0424	2.8	1034	6.4	1714	-0.6		
A O	25 Wed	0035	5.0	0506	2.9	1110	6.2	1749	-0.5
	26 Thu	0114	5.0	0548	2.9	1145	6.0	1824	-0.4
	27 Fri	0151	5.0	0630	3.0	1220	5.7	1858	-0.2
	28 Sat	0225	5.0	0714	3.0	1257	5.3	1933	0.1
N O	29 Sun	0259	5.0	0803	3.0	1337	4.9	2010	0.5
	30 Mon	0334	5.0	0859	2.9	1424	4.5	2049	0.9
	31 Tue	0411	5.1	1004	2.7	1522	4.1	2132	1.3

Solstice = December 21

LUNAR DATA

- = NEW MOON
- = LAST QUARTER
- N = FARTHEST NORTH OF EQUATOR
- = FIRST QUARTER
- A = IN APOGEE
- E = ON EQUATOR
- = FULL MOON
- P = IN PERIGEE
- S = FARTHEST SOUTH OF EQUATOR

(OVER)

TIDAL DIFFERENCES FROM THE GOLDEN GATE

HIGH WATER		LOCATION	LOW WATER	
TIME	HEIGHT		TIME	HEIGHT
OUTER COAST				
-1.08	-0.5	Monterey, Monterey Bay	-0.47	0.0
-1.08	-0.6	General Fish Company Pier	-0.46	-0.1
-1.10	-0.7	Moss Landing, Ocean Pier	-0.48	-0.1
-1.06	-0.7	Elkhorn Slough, Highway 1 Bridge	-0.49	-0.1
-0.54	-0.5	Pacific Mariculture Dock	-0.40	0.0
-0.43	-0.4	Kirby Park, Elkhorn Slough	-0.39	-0.1
-0.36	-0.4	Elkhorn Slough Railroad Bridge	-0.39	-0.1
-1.16	-0.6	Santa Cruz, Monterey Bay	-0.58	0.0
-1.06	-0.3	Princeton, Halfmoon Bay	-0.50	0.0
-0.49	+0.1	Ocean Beach, Outer Coast	-0.35	0.0
-0.11	-1.6	Bollinas Lagoon	+0.37	-0.4
-0.50	-0.1	Point Reyes	-0.28	0.0
-0.12	*0.87	Tomales Bay Entrance	+0.20	*0.91
+0.32	-0.7	Blakes Landing, Tomales Bay	+1.15	-0.2
+0.38	-0.6	Marshall, Tomales Bay	+1.16	-0.1
+0.40	-0.6	Inverness, Tomales Bay	+1.24	-0.2
-0.38	-0.2	Bodega Harbor Entrance	-0.16	+0.1
-0.51	-0.2	Fort Ross	-0.30	0.0
-0.40	0.0	Arena Cove	-0.17	0.0
-0.42	-0.1	Point Arena	-0.21	0.0
-0.31	-0.1	Albion	-0.19	0.0
-0.31	-0.1	Little River Harbor	-0.19	0.0
-0.38	-0.1	Mendocino, Mendocino Bay	-0.21	0.0
-0.30	0.0	Fort Bragg Landing	-0.20	0.0
-0.31	+0.1	Noyo River	-0.12	+0.1
-0.31	-0.1	Westport	-0.22	0.0
-0.39	+0.2	Shelter Cove	-0.17	+0.1
-0.28	-0.1	Cape Mendocino	+0.01	0.0
SAN FRANCISCO BAY (Central)				
-0.17	-0.3	Point Bonita, Cove	-0.10	0.0
+0.14	0.0	Alcatraz Island	+0.18	0.0
+0.13	+0.2	San Francisco, North Point, Pier #41	+0.11	0.0
+0.23	+0.4	Rincon Point, Pier #22½	+0.25	0.0
+0.32	+0.3	Yerba Buena Island	+0.40	0.0
+0.28	+0.3	Oakland, Matson Wharf	+0.36	0.0
+0.33	+0.2	Oakland Pier	+0.46	0.0
+0.37	+0.5	Oakland Inner Harbor	+0.41	0.0
+0.32	+0.6	Alameda	+0.41	0.0
+0.33	+0.4	Oakland Harbor, Grove Street	+0.42	0.0
+0.38	+0.6	Oakland Harbor, Park Street Bridge	+0.44	0.0
+0.49	+0.8	Bay Farm Island, San Leandro Bay	+0.59	0.0
+0.47	+0.8	Oakland Airport	+0.52	0.0
+0.33	+0.5	Potrero Point	+0.46	0.0
+0.25	+0.9	Hunters Point	+0.39	0.0

NOTE: When an asterisk (*) precedes a difference, that difference given is a ratio, and the height of high or low water at the Golden Gate is multiplied by the ratio to determine the height at the station.

TIDAL DIFFERENCES FROM THE GOLDEN GATE

HIGH WATER		LOCATION	LOW WATER	
TIME	HEIGHT		TIME	HEIGHT
SAN FRANCISCO BAY (South)				
+1.01	+1.4	San Leandro Channel	+1.29	0.0
+0.22	+1.4	Roberts Landing, 1.3 mi West of	+1.28	+0.1
+0.38	+1.2	South San Francisco	+0.56	0.0
+0.48	+1.1	Oyster Point Marina	+1.07	0.0
+0.38	+1.1	Point San Bruno	+1.10	+0.1
+0.42	+1.4	Seaplane Harbor	+1.03	0.0
+0.42	+1.5	Coyote Point Marina	+1.08	0.0
+0.52	+1.8	San Mateo Bridge, west end	+1.20	+0.1
+0.48	+1.8	San Mateo Bridge, east end	+1.19	0.0
+1.03	+0.3	Alameda Creek	+2.31	-0.8
+1.02	+0.9	Coyote Hill Slough entrance	+2.28	-0.8
+1.06	+2.1	Redwood Creek, entrance (inside)	+1.38	+0.1
+0.53	*1.41	Redwood Creek Marker #8	+1.28	*1.05
+1.02	+2.2	South Bay Wreck	+1.37	+0.1
+1.03	+2.2	Corkscrew Slough	+1.42	+0.1
+0.58	+2.2	Redwood City, Wharf #5	+1.32	+0.1
+1.03	+2.2	West Point Slough	+1.36	+0.1
+1.15	+2.2	Smith Slough	+1.59	0.0
+1.11	+2.6	Newark Slough	+1.58	+0.1
+1.03	+2.2	Granite Rock	+1.38	+0.1
+1.09	+2.5	Palo Alto Yacht Harbor	+2.09	0.0
+1.12	+2.6	Mowry Slough	+2.07	0.0
+1.05	+2.8	Calaveras Point, west of	+1.49	+0.1
+1.19	+1.7	Mud Slough Railroad Bridge	+2.59	-0.1
+1.14	+2.7	Guadalupe Slough	+2.15	0.0
+1.23	+3.4	Upper Guadalupe Slough	+2.21	+0.2
+1.13	+3.1	Coyote Creek, Alviso Slough	+2.08	+0.2
+1.15	+3.4	Gold Street Bridge, Alviso Slough	+2.34	+0.1
+1.21	+2.6	Coyote Creek, Tributary #1	+2.45	-0.3
SAN FRANCISCO BAY (North)				
+0.10	-0.3	Sausalito	+0.14	0.0
+0.11	-0.2	Sausalito, Corps of Engineers Dock	+0.21	0.0
+0.13	-0.2	Angel Island, west side	+0.21	0.0
+0.16	+0.1	Angel Island, East Garrison	+0.20	0.0
+0.21	+0.1	Berkeley	+0.38	0.0
+0.23	+0.1	Point Isabel	+0.33	0.0
+0.25	0.0	Richmond Inner Harbor	+0.36	0.0
+0.29	0.0	Chevron Oil Company Pier	+0.36	0.0
+0.47	0.0	Point Orient	+0.52	0.0
+0.37	-0.1	Corte Madera Creek	+0.52	0.0
SAN PABLO BAY				
+0.59	+0.1	Point San Pedro	+1.01	0.0
+1.12	*1.04	Pinote Point	+1.26	*0.92
+1.25	-0.1	Hercules	+1.49	-0.2
+1.22	+0.1	Petaluma River Entrance	+2.11	-0.1
+1.59	*1.11	Lakeville, Petaluma River	+2.50	*.81
+2.10	*1.16	Upper Drawbridge, Petaluma River	+3.10	*.81
+1.11	+0.1	Gallinas Creek	+1.30	-0.1

*See note, page 6.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY



DAVID J. KEARS, Agency Director

5050
✓ 2095
STID: 584

5051
202751
STID: 6207

5200
202752
STID: 6072

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, #250
Alameda, CA 94502-6577
(510) 567-6700 FAX (510) 337-9335

September 13, 1996

Clayton Environmental
1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
Attn: Dwight R. Hoenig

RE: 5050, 5051 & 5200 COLISEUM WAY, OAKLAND, CA 94601

Dear Mr. Hoenig,

This letter is a follow-up to the September 12, 1996 meeting which was held at the Regional Water Quality Control Board at 2101 Webster Street in Oakland, CA.

All interested parties are being requested to provide funding to Alameda County-Department of Environmental Protection for expenses incurred for the review of technical reports, meetings, consultations, etc. This office is requesting that you please remit \$1200.00 to establish a deposit-refund account. This deposit is authorized by Alameda County ordinance code section 3-141.6 to cover expenses incurred by county personnel for their oversight duties. Records are maintained for the time County employees commit to a project and the deposit will be debited at the rate of \$94.00 per hour for any time dedicated to your project. Any money remaining in your account at the end of the project will be refunded. Additional monies may be needed if the project exhausts the fund. Please submit a check payable to "Treasurer, County of Alameda" with the words "Site Mitigation" written on the check for proper credit. Also, please make sure to include the complete address of the site for which the deposit- refund account is being established.

If you have any questions, you may reach me at (510) 567-6880.

Sincerely,

Dale Klettke, CHMM
Hazardous Materials Specialist

c: Thomas Peacock, LOP Manager--files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



2095

Alameda County CC4580
Environmental Health Services
1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
(510)567-6700 FAX(510)337-9335

STID 584

August 1, 1996

Mr. Robert Whelen
Environmental Services
Volvo GM Heavy Truck
7900 National Service Road
P. O. Box 26115
Greensboro, NC 27402-6115

RE: 5050 COLISEUM WAY AND 750 50TH AVENUE, OAKLAND, CA 94601

Dear Mr. Whelen:

This letter is in response to the July 31, 1996 meeting which was held at the Alameda County Health Care Services Agency (ACHCSA) office located at 1131 Harbor Bay Parkway in Alameda, CA. In attendance at this meeting were representatives from GMC-Volvo (Robert Whelen), PG & E (Nancy Hendrickson and Attorney Juan M. Jayo, Levine-Fricke (Kathleen Isaacson), Beveridge & Diamond (Attorney Lawrence Bazel) and Geomatrix (Sally Goodin).

In a June 20, 1996 ACHCSA requested that a Corrective Action Plan (CAP) be submitted to this office which evaluates a variety of alternative cleanup technologies to effectively address the metal contamination found in both the unsaturated and saturated zones. This Corrective Action Plan was to be submitted to this office by September 19, 1996.

It was mutually agreed upon at the July 31, 1996 meeting that the submittal of the CAP would be postponed until 90 days from the date of our next meeting. This meeting will be held in order for Sum Arigala of the Regional Water Quality Control Board (RWQCB), Madhulla Logan of this office and representatives of Coliseum Storage (5200 Coliseum Way) to be in attendance. **I would like to tentatively schedule the next meeting for the week of Monday, September 9, 1996.**

I would like to thank all the interested parties for their participation in this meeting. Please feel free to contact me directly at (510)567-6880 so that we can schedule this meeting at a date which is convenient for all interested parties.

Sincerely,

Dale Klettke, CHMM
Hazardous Materials Specialist

Mr. Robert Whelen

RE: 5050 Coliseum Way and 750 50th Avenue, Oakland, CA

August 1, 1996

Page 2 of 2

c: Thomas Peacock, LOP manager--files

Kathleen Isaacson, Levine-Fricke, 1900 Powell St., 12th Floor, Emeryville, CA
94608-1811

Juan M. Jayo/Nancy Hendrickson, c/o PG & E, 77 Beale Street, P.O. Box 7442, San
Francisco, CA 94120

Sally E. Goodin, c/o Geomatrix, 100 Pine Street, 10th Floor, San Francisco, CA 94111

Lawrence S. Bazel, c/o Beveridge & Diamond, Suite 3400, One Sansome Street, San
Francisco, CA 94104-4438

Sum Arigala, RWQCB

Madhulla Logan, ACHCSA

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ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



Ro#95

Alameda County CC4580
Environmental Health Services
1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
(510)567-6700 FAX(510)337-9335

STID 584

June 20, 1996

Mr. Robert Whelen
Environmental Services
Volvo GM Heavy Truck
7900 National Service Road
P. O. Box 26115
Greensboro, NC 27402-6115

RE: 5050 COLISEUM WAY AND 750 50TH AVENUE, OAKLAND, CA 94601

Dear Mr. Whelen:

This office is in receipt of and has completed review of the case file for this site including the Levine-Fricke "Quarterly Ground-Water Monitoring Report for the Period from January 1 to March 31, 1996", dated April 30, 1996.

Analytical results for Title 22 metals in ground-water samples collected from the 22 wells has consistently detected elevated levels for a number of these metal contaminants. Comparison of these numerical groundwater concentrations to the water quality goals (maximum contaminant levels or MCLs) indicates that primary drinking water standards are exceeded for the metals antimony, arsenic, beryllium, cadmium, copper, lead, nickel, selenium, thallium and zinc. In addition, total threshold limit concentrations (TTLs) are exceeded for the metals barium, copper, lead and zinc as documented in the March 22, 1995, Subsurface Consultants, Inc. "Limited Soil and Groundwater Contamination Investigation".

Therefore, this office requires that a Corrective Action Plan (CAP) be submitted to this office which evaluates a variety of alternative cleanup technologies to effectively address the metal contamination found in both the unsaturated and saturated zones. As part of the CAP, an acceptable risk management plan should be submitted which should include provisions in the event that hazardous waste levels of Title 22 metals are to be "left in place" at this site.

The distribution of the Title 22 metals have been detected in two primary phases: adsorbed in the soils and dissolved in the groundwater. As part of the CAP, a feasibility study should be performed to determine the best technology to be used for remediation of the soil and groundwater contamination. Source removal, including additional excavation of metal impacted soils should be addressed in the feasibility study. The CAP should also address possible migration of contaminants along preferred pathways such as those associated with the drainage channel which is located directly across Coliseum Way on the PG& E property. This drainage channel discharges directly to the surface waters of the east slough of San Leandro Bay.

Mr. Robert Whelen

RE: 5050 Coliseum Way and 750 50th Avenue, Oakland, CA

June 20, 1996

Page 2 of 2

In addition, a health and ecological-based risk assessment should be performed by a qualified individual using accepted and peer-reviewed risk assessment methodologies. The risk assessment should consider all the necessary exposure pathways, the exposed target population and should be based on the current and any known future uses of the property.

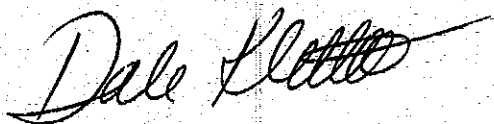
This Corrective Action Plan and risk assessment is due within 90 days of the date of this letter, or by September 19, 1996.

Please be advised that this directive is a **Legal Request for the Furnishing and Transmittal of Information Relating to Hazardous Substances** pursuant to Health and Safety Code Section 25185.6, and an **Order to Conduct Monitoring, Testing, Analysis and Reporting** pursuant to Health and Safety Code Section 25187.1. Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by the Alameda County Department of Environmental Health.

Failure to undertake the required corrective action, including the submittal of a technical report after the date specified in this request, may result in fines of up to \$25,000 per day per violation pursuant to Health and Safety Code Sections 25189 and 25189.2. All submittal pursuant to this directive must be signed by the parties named herein and sent to Dale Klettke at the Alameda County Department of Environmental Health.

For your information, I have recently taken over management of this case from Madhulla Logan of this office. Please feel free to contact me directly at (510)567-6880 with any questions or concerns about the content of this letter.

Sincerely,



Dale Klettke, CHMM
Hazardous Materials Specialist

c: Thomas Peacock, LOP manager--files
Gil Jensen, Alameda County District Attorneys Office
Kathleen Isaacson, Levine-Fricke, 1900 Powell St., 12th Floor, Emeryville, CA 94608-1811

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BL

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



(5050 Coliseum Way)

R095

RAFAT A. SHAHID, Assistant Agency Director

September 28, 1993

Mr. Robert Whelen
Environmental Services
Volvo GM Heavy Truck
7900 National Service Road
P.O. Box 26115
Greensboro, NC 27402-6115

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

**Re: Amendment to January 15, 1993 Work Plan Approval of
Remedial Investigation Work Plan, 5050 Coliseum Way
and 750 50th Ave., Oakland, CA 94601**

Dear Mr. Whelen:

This note documents a point of agreement reached during our meeting today with Kathleen Isaacson of Levine Fricke and you.

As discussed, the requirement for a monitoring well within ten feet downgradient of the former waste oil tank, during the next phase of work, can be disregarded. This requirement was set forth in the August 26, 1993 correspondence from my office.

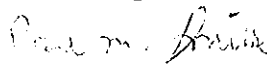
At this time a monitoring well in this location is not required for the following reasons:

- 1) Due to the difficulty in drilling through cement obstacles adjacent to the tank excavation
- 2) The intended collection of monitoring data from existing and proposed wells on the above sites to screen for the presence of each pollutant previously detected in soil associated with the former waste oil tank.

If it becomes apparent that ground water impacts are associated with the former waste oil tank area, further investigative work will then be required.

If you have any questions regarding the content of this letter please feel free to contact me at (510) 271-4320.

Sincerely,


Paul M. Smith
Senior Hazardous Materials Specialist

c:

Kathleen Isaacson, Levine-Fricke, 1900 Powell St., 12th
Floor, Emeryville, CA 94608
Lawrence Bazel Esq., Beveridge & Diamond, Suite 3400, 1
Sansome St., San Francisco, CA 94104-7703

ENVIRONMENTAL SERVICES

AGENCY

Agency Director



RO95

RAFAT A. SHAHID, Assistant Agency Director

August 26, 1993

Mr. Robert Whelen
Environmental Services
Volvo GM Heavy Truck
7900 National Service Road
P.O. Box 26115
Greensboro, NC 27402-6115

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

**Re: Review and Conditional Approval of Remedial
Investigation Work Plan, 5050 Coliseum Way and 750 50th
Ave., Oakland, CA 94601**

Dear Mr. Whelen:

Alameda County has received and reviewed the above noted work plan, dated January 15, 1993, prepared by Levine-Fricke.

Four underground storage tanks; three motor oil and one waste oil were removed on March 18, 1991. During sampling associated with the tank removals it became apparent that, in addition to petroleum contamination, contamination from metals was present from the site. This contamination was thought to be from a source unrelated to the tanks but related to a paint manufacturing facility at the premises before Volvo GM Truck Service occupied the site.

The above work plan is based upon results of a Report of Soil and Ground-Water Investigation White GMC Truck, dated June 25, 1992. In that report 24 soil samples were collected at depths ranging from 2 to 21 feet bgs. The highest concentrations for soil samples indicated the presence of Total Oil and Grease at 2200 ppm, Total Petroleum Hydrocarbons at 1700 ppm, Chlorinated hydrocarbons 1,2-dichlorobenzene at 6 ppm and 2-methylnapthalene at 0.66 ppm, Arsenic at 270 ppm, Barium at 92,000 ppm, Cadmium at 110 ppm, Total Chromium at 67 ppm, Nickel at 130 ppm.

Seven groundwater monitoring wells were installed at 5050 Coliseum Way property. Four monitoring wells were installed at 750 50th Avenue. Groundwater gradients were determined to be south west and north east respectively. Highest ground water results indicated 0.3 mg/l Total Oil and Grease, 0.59 mg/l Total Petroleum Hydrocarbons as gasoline, 130 mg/l Cd, 1.9 mg/l Cu, 20.0 mg/l Ni, 0.5 mg/l Pb and 40,000 mg/l Zn. Levels of 2,900 mg/l Fe, 350 mg/l and 860 mg/l Mg were attributed to elements contained in sediments which leached under acidic conditions.

The work plan outlines 14 tasks involving: a survey of the neighboring properties, a survey of local deep water wells, a survey of underground lines and obstacles, discrete and grid

Mr. Whelan
August 26, 1993
page 2 of 3

generated shallow and deeper soil borings which will more adequately define on site contamination, install and sample 6 monitoring wells, conduct hydraulic and tidal influence testing, evaluate all reports and recommend remedial options, keep the local community informed of the progress and plans at the site, collect quarterly ground water samples, analyze and prepare reports, conduct additional soil and ground water investigations in the area of the former waste oil tank and clean and inspect sewer lines suspected of contributing to a perched water condition at the site.

The work plan as proposed is acceptable with the following inclusions:

- 1) Provide a revised Site Safety Plan specifying site security measures, site safety officer, personal protective equipment, monitoring equipment and emergency medical facility.
- 2) Provide a field sampling plan outlining QA/QC procedures.
- 3) When delineating contamination from metals you are required to collect and analyze samples at a minimum of one sample per five feet or change in lithology. As specified in the work plan also use field data of previously sampled adjacent strata and any other field observations to determine the location and number of additional samples necessary to allow the delimitation of any previously identified contaminant on site.

It is anticipated that results of the thirty nine borings will determine the lateral and vertical extent of contamination on site. It is assumed that the delineation of off site contamination, if applicable, will be completed in a separate scope of work.

- 4) When performing soil/ground water investigation you are required to locate one monitoring well down gradient of the former waste oil tank location. The work plan mentions a possible perched ground water situation created by leakage from plumbing. Based on this information it is not clear whether the existing well placed 50 feet from the former waste oil tank is down gradient or not. Also, you should be aware that the Tri-Regional Guidelines for Underground Storage Tank Investigations (SFRWQCB; August 10, 1990) require a monitoring well be placed within 10 feet in the verified down gradient direction of a former tank which indicated contamination.
- 5) Have your Consultant contact this office with as much advance notice as is feasible of the scheduling of the next phase of work at the site.

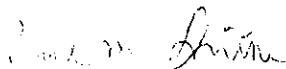
Mr. Whelan
August 25, 1993
page 3 of 3

Finally, the funding mechanism for Departmental regulatory oversight of this project initially began at the time of the tank removals with a deposit refund (\$ 966.00) submitted with the tank closure application. When contamination from petroleum hydrocarbons was discovered this case was transferred to another Division of this Department called Local Oversight Program (LOP) which uses a different funding mechanism for case review. At that time the deposit refund account was closed and the unused balance was refunded to you and an LOP account was initiated. The LOP account is billed by the State of California Water Quality Control Board for work performed post facto at regular intervals. State funds are available to Local Implementing Agencies (LIAs) **only** for the review of underground storage tank cases exclusively. When it became apparent that the contaminants from this project do not appear to be primarily petroleum related the case was transferred back to the deposit refund mechanism.

The reason for the above discussion is to explain the current lack of any funding mechanism for the above project. You are requested to remit a check of \$ 1,500 made payable to Alameda County Treasurer. The deposit refund mechanism is authorized under the Alameda County Ordinance Code section 3-140.5. Regulatory review of this project will be billed upon at the rate of \$ 75.00 per hour. Any unused portion of these funds will be refunded to you at the completion of this project. Please be aware that it is not inconceivable that after submitting a deposit/refund check to my office, due to the lag time in billing for the LOP program, it is possible that you could still be receiving a bill from that program. If so, the bill should specify the date which work was performed.

If you have any questions regarding the content of this letter please feel free to contact me at (510) 271-4320.

Sincerely,



Paul M. Smith
Senior Hazardous Materials Specialist

c:

Kathleen Isaacson, Levine-Fricke, 1900 Powell St., 12th
Floor, Emeryville, CA 94608
Lawrence Bazel Esq., Beveridge & Diamond, Suite 3400, 1
Sansome St., San Francisco, CA 94104-7703

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R095
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program

RAFAT A. SHAHID, Assistant Agency Director

August 5, 1992
STID # 584

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

Mr. Denis Delehanty
White GMC Volvo
7900 National Service Rd.
P.O. Box 26115
Greensboro, NC 27402-6115

Re: Comment on Report of Soil and Groundwater Investigation
for White GMC Trucks of Oakland, Inc, 5050 Coliseum Way,
Oakland, CA 94601

Dear Mr. Delehanty:

Please be aware that the oversight of the remediation of the above referenced site has been transferred to the undersigned Hazardous Materials Specialist within our office. All further correspondences and communications should be directed to him. Our office has reviewed the June 25, 1992 report by your consultant, Levine-Fricke, detailing the installation of monitoring wells on this site and the groundwater level measurements and analysis of soil and water samples from these wells in addition to four monitoring wells on the 750-50th Ave site.

The analytical results indicate that the impact on the groundwater samples taken from the wells onsite have had little hydrocarbons impact as evidenced by the Total Petroleum Hydrocarbons, BTEX (benzene, toluene, ethylbenzene, xylenes) and Total Oil and Grease results. You should include the analysis of Method 8270 for well LF-1 since two semi-volatile compounds were found in the soil sample taken from the waste oil excavation.

It appears that the most significant contamination at this site is the high levels of the heavy metals: barium, lead, cadmium and zinc. High levels exceeding the Total Threshold Limit Concentration (TTLIC) were found in soil borings at this site. In addition, groundwater samples from monitoring well LF-1 and MW-2 and MW-3 from the offsite wells had soluble metals detected exceeding the Soluble Threshold Limit Concentration (STLC). Clearly, the groundwater has been impacted severely in these areas. The results do support the theory that the previous activities associated with paint related materials could have been responsible for such contamination. You are encouraged to identify those individuals so that we may add them to the list of potential responsible parties. Please be aware, however, that

Mr. Denis Delehanty
White GMC Volvo, STID # 584
August 5, 1992
Page 2.

the current property owner, unless otherwise stated, remains the ultimate responsible party. You should continue to monitor the wells on and off-site for the same parameters as mentioned in the report as well as the additional parameter, Method 8270, for well LF-1, previously mentioned.

In regards to the hazardous levels of soil and groundwater existing at this site, you should provide to our office within forty-five (45) days of receipt of this letter, a detailed remediation plan to address such contamination. Particular concern should be given to define, control and remediate the groundwater which has been impacted with hazardous waste levels of dissolved metals ie cadmium and zinc. Note that MCL (maximum contaminant levels) as promulgated by the Cal EPA Department of Toxic Substance Control (DTSC) are the recommended clean-up levels. Should you choose to leave the levels of heavy metals contamination currently existing in the soil on-site without any remediation you may need to contact the following agencies:

1. The DTSC Division of Cal EPA. Since the levels remaining on-site are at hazardous material levels you must seek a variance from the normal treatment of such material from DTSC.
2. The Regional Water Quality Control Board, RWQCB, is concerned with the protection of groundwater and will require active remediation to reduce the soluble metals to the previously mentioned MCL concentrations. Our office will work with the RWQCB to provide guidance in your remediation.

The other County concerns are:

3. It is true that barium sulfate is exempted from hazardous waste classification. Please state how this will be verified in the soil samples which had extremely high total barium concentrations. pH adjustment should be considered as a temporary means of reducing the leaching of heavy metals from the soil. This will require permission by the RWQCB and possibly Cal EPA DTSC.

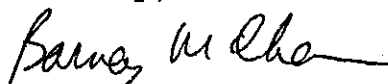
4. There has been data provided which states that a number of wells contain TDS (total dissolved solids) exceeding 3000 parts per million and thus may not be considered a drinking water source. Be aware that the SWQCB has reconfirmed State Board Resolution No. 68-16 which states the policy of maintaining the high quality of the Waters in California. You will need to confer with the RWQCB for any variance to this policy.

Mr. Denis Delehanty
White GMC Volvo, STID # 584
August 5, 1992
Page 3.

You are reminded that this is a formal request for technical reports pursuant to the Californai Water Code Section 13267 (b). All workplans, analytical results or reports should also be sent to the RWQCB to the attention of Mr. Rich Hiett. Failure to submit the requested document may subject White GMC Volvo to civil liabilities.

You may contact me at (510) 271-4530 should you have any questions regarding this letter.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: M. Thomson, Alameda County District Attorney Office
R. Hiett, RWQCB
Ms. K. Isaacson, Levine-Fricke, 1900 Powell St., 12th Floor
Emeryville, CA 94608
H. Hatayama, DOHS
E. Howell III, files

WP-5050Coli

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R095

RAFAT A. SHAHID, Assistant Agency Director

March 27, 1992

STID # 584

White GMC Volvo
7900 National Service Rd.
PO Box 26115
Greensboro NC 27402-6115
Attn: Denis Delehanty

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

RE: Work Plan submittal
White GMC Volvo Corporation
5050 Coliseum Way
Oakland CA 94601

Dear Mr. Delehanty,

This office is in receipt of your Work Plan for a Proposed Environmental Investigation dated September 3, 1991, for the above referenced address. This case has been reassigned to Jennifer Eberle, Hazardous Materials Specialist. Future correspondence should be directed to her attention.

Upon a review of the Work Plan, the following issues were raised:

- o Page 3, paragraph 1: The results of metals analysis have not been submitted.
- o Page 3, paragraph 2: Benzene was detected at 0.0096 ppm, and ethylbenzene was detected at 0.0074 ppm. The detection limit of BTEX was 0.005 ppm, not 0.05 ppm. The statement that "Benzene and ethylbenzene were detected in one soil sample at concentrations of less than 0.001 ppm" does not coincide with the laboratory report which states that the detection limit was 0.005 ppm. Therefore, toluene and total xylenes were not present in concentrations below the detection limit.
- o Page 4, paragraph 3: Groundwater elevations of the monitoring wells on the adjoining property were not given.
- o Page 5, last paragraph: The locations of proposed monitoring wells may change depending on the groundwater gradient. Each proposed monitoring well must be located within 10 feet of the waste oil tank pit. (Figure 3 shows the location of LF-1 at approximately 30 feet from the waste oil tank pit).

Denis Delehanty

RE: 5050 Coliseum Way
Oakland CA 94601

March 27, 1992
Page 2 of 2

- o Page 7, paragraph 4: Groundwater must also be sampled for BTEX, chlorinated hydrocarbons, PCBs, PCP, PNA, and creosote.

Once these issues are addressed to the agreement of this office, the work plan may be approved and field activities may begin.

The workplan must adhere to the technical requirements outlined in the Regional Water Quality Control Board (RWQCB) Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks and the SWRCB LUFT manual. A report documenting the results from work performed is due to this office within 45 days of completion of field activities.

All reports and proposals must be submitted under seal of a California-Registered Geologist, -Certified Engineering Geologist, or -Registered Civil Engineer. Please submit copies of all reports and proposals to Rich Hiett at the RWQCB.

If you have any questions, please contact Jennifer Eberle, Hazardous Materials Specialist, at 510-271-4320.

Sincerely,



Susan Hugo
Senior Hazardous Materials Specialist

cc: Levine-Fricke, Kathleen Isaacson, 1900 Powell St., 12th
Floor, Emeryville CA 94608
Rich Hiett, RWQCB
Mark Thomson, DA's office
File (JE)

je

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R095

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

April 10, 1991

Mr. Denis L. Delehanty, CPM
Volvo GM Heavy Truck
201 N. Murrow Boulevard
PO Box 26115
Greensboro, NC 27401-6115

RE: Tank removal at 5050 Coliseum Way, Oakland

Dear Mr. Delehanty:

Our office has received the sampling analyses results for the tank removal at the above referenced site. On March 18, 1991, four underground tanks were removed from this facility: a 4,000 gallon tank, two 1,000 gallon tanks, and a 500 gallon waste oil tank. The waste oil tank appears to have serviced the clarifier that was located next to this tank. This tank had a large hole in the seam end of it, and there was obvious soil and groundwater contamination. The soil and water analyses confirm this: 320 ppm for TPH gasoline, 470 ppm for TPH diesel, 960 ppm oil & grease, 1,900 ppm lead, 5,300 ppm zinc, and 580 ppm for cadmium. The stockpiled soils from this excavation also had very high values of these metals. The analyses for the product tanks indicate minimal values of TPH.

On March 19, I met with you and Mr. Robert Ware, President of WhiteGMC Trucks of Oakland, to discuss the use of the clarifier that was next to the waste oil tank. You will need to contact East Bay Municipal Utility District for their discharge requirements for oil and grease with regards to constructing a new clarifier. At this meeting, I also informed you that WhiteGMC Volvo would be required to perform a soil and groundwater investigation around the waste oil tank.

The sample analyses do indeed confirm that this is the case. You are required to complete a workplan that provides information on how the subsurface investigation will proceed. **Please submit this workplan to our office within 45 days of the date of this letter.** Our office will be the lead agency overseeing the soil and groundwater investigation at this site. The San Francisco Bay Regional Water Quality Control Board (RWQCB) has delegated the handling of this case to our Division. We will be in contact with the RWQCB in order to provide you with guidance concerning the RWQCB's investigation requirements. However, you are

WhiteGMC Volvo
April 10, 1991
Page 2

responsible for diligent actions to protect the waters of the State. If at any time free product is encountered, it must be removed. If your investigation indicates that the plume is migrating, interim remedial measures are to be taken to contain it onsite, or to prevent the migration.

A format for the workplan and items to address is outlined below.

I. INTRODUCTION

- A. Statement of Scope of Work
- B. Site location
- C. Background
- D. Site History

Provide a brief description of the historic site use and ownership information, type of business and associated activities that take place at the site, and provide a history of the use of the underground tank, its contents, and include the date of installation.

II. SITE DESCRIPTION

- A. Provide a map which shows streets, site buildings, underground tank locations, subsurface conduits and utilities, on-site and nearby wells, and nearby streams or water bodies.
- B. Provide a description of the hydrogeologic setting of the site and surrounding area. Include a description of any subsurface work previously done at the site.

III. PLAN FOR DETERMINING EXTENT OF SOIL CONTAMINATION ON SITE

- A. Describe how the extent of soil contamination associated with the former underground tank will be determined.
- B. Describe the sampling methods and procedures to be used. If soil samples are to be collected for contamination delineation, consult the RWQCB guidelines for soil sampling protocols. During drilling of all boreholes and monitoring wells, undisturbed soil samples are to be collected at a minimum of every five feet in the

WhiteGMC Volvo
April 10, 1991
Page 3

unsaturated zone and at any changes in lithology for logging and analytical purposes. Borings and wells are to be permitted through Alameda County Flood Control and Water Conservation District, Zone 7. Their number is 415/484-2600. Borings and wells are to be logged from undisturbed soil samples. Logs shall include observed soil odors; blow counts shall be expressed in blows per 6 inches of drive. If a soil gas survey is planned, the location of survey points must be identified along with the analytical methods and techniques to be used. A quality assurance plan for field analyses must be submitted.

- C. Soil samples are to be analyzed by a California State Certified Laboratory for the appropriate constituents.

IV. DETERMINATION OF GROUNDWATER QUALITY

- A. A minimum of three monitoring wells must be installed to determine the groundwater gradient. If the verified down-gradient location has been established, then complete gradient data must be submitted and one monitoring well will be required in the down-gradient direction.
- B. Monitoring wells shall be designed and constructed to be consistent with the RWQCB guidelines and to permit entrance of any free product into the wells. Filter pack and slot sizes for all wells should be based on particle analysis from each stratigraphic unit in at least one boring on the site and on the types of groundwater contaminants present. The well screen must be situated to intercept any floating product from both the highest and lowest ground water levels. All wells shall be surveyed to mean sea level to an established benchmark to 0.01 foot.
- C. Monitoring wells must be sampled for dissolved and floating constituents. Any free product is to be measured with an optical probe or by another method shown to have equivalent accuracy.
- D. A groundwater gradient map shall be developed for every water level data set. If the gradient fluctuates, water level measurements must continue to be made monthly until a gradient pattern is established.
- E. Sample monitoring wells monthly for three consecutive

WhiteGMC Volvo
April 10, 1991
Page 4

months. Free product thicknesses and water levels shall be measured in all wells for each sampling event before any purging or sampling activities are begun. After three consecutive months of sampling, all monitoring wells must be sampled at least quarterly for one year. Groundwater levels and quality must be monitored quarterly for a minimum of one year, even if no contamination is identified. At this point, the case will be evaluated to determine if additional monitoring is necessary.

F. Groundwater samples are to be analyzed by a California State Certified Laboratory for the appropriate constituents.

V. INTERPRETATION OF HYDROGEOLOGIC DATA

A. Water level contour maps showing groundwater gradient direction and free and dissolved product plume definition maps of each contaminant constituent should be prepared routinely and submitted with other sampling results.

B. The hydrogeologic characteristics of the aquifer must be described. An estimate of vertical transmissivity, based on a laboratory permeability test or a pump test, is required for any unit identified as a clay. Identification of the clay should be verified by particle analysis (ASTM D-422).

C. The cross sections, groundwater gradients (horizontal and vertical) should be interpreted to explain pollution migration patterns.

VI. DETERMINATION OF THE TYPES OF BENEFICIAL USES OF THE GROUNDWATER

The State has defined all San Francisco Bay Area water as having beneficial uses; however, the types of beneficial uses vary and must be determined in order to establish appropriate cleanup levels. Beneficial uses include drinking water, irrigation, groundwater recharge, wild life habitat, contact and non-contact recreation, fish migration, etc. A drinking-water beneficial use "aquifer" is defined as an aquifer yielding water of less than 3,000 units of total dissolved solids and yielding water at a rate of at least 200 gallons per day.

VII. SITE SAFETY PLAN

WhiteGMC Volvo
April 10, 1991
Page 5

VIII. REPORTING

- A. A technical report must be submitted, within 30 days of completion of the investigation, which presents and interprets the information generated during the initial subsurface site investigation. At a minimum, the report must include the following items: Site history information, boring and well construction logs, records of field observations and data, chain-of-custody forms, water level data, water level contour map showing groundwater gradient direction, contaminant plume maps, tabulations of soil and groundwater contaminant concentrations, status of soil contamination characterization, description of any remedial work performed, laboratory-originated analytical results for all soil and groundwater samples analyzed, copies of TSDF-to-Generator manifests for any hazardous wastes hauled off-site, a description on where non-hazardous contaminated soils went, and any recommendations for additional investigative or remedial work.
- B. All reports and proposals must be signed by a California-Certified Engineering Geologist, California-Registered Geologist or a California-Registered Civil Engineer. A statement of qualifications should be included in all reports. Borehole and monitoring well installation and logging, and impact assessments will require the signature of such a professional.
- C. The technical report must be submitted with a cover letter from an authorized representative of WhiteGMC Volvo and received in this office by the established due date. The letter must be signed by a principal executive officer or by an authorized representative of the company.

Any stockpiled soil associated with tank removal activities or investigation activities must be sampled to determine the proper disposition of the soil. The number of samples collected from the stockpile(s) must be adequate to characterize the soil for the appropriate soil handling method.

All proposals, reports and analytical results pertaining to this

WhiteGMC Volvo
April 10, 1991
Page 6

investigation and remediation must be sent to our office and to the RWQCB to the attention of Lester Feldman. The address is:

Regional Water Quality Control Board
2101 Webster Street, Fifth Floor
Oakland, CA 94612

You should be aware that this Division is working in conjunction with the RWQCB and that this is a formal request for technical reports pursuant to California Water Code Section 13267 (b). Any extensions of agreed upon time deadlines must be confirmed in writing by either this Division or the RWQCB.

Should you have any questions concerning the contents of this letter or the status of this case, please feel free to contact me at 415/271-4320.

Sincerely,

Cynthia Chapman

Cynthia Chapman
Hazardous Materials Specialist

c: Mr. Lester Feldman, RWQCB
Mr. Robert Ware, WhiteGMC Volvo

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



R095

September 19, 1990

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

Earl Wallis
Volvo White Truck Corporation
5050 Coliseum Way
Oakland, CA 94621

Re: Waste Minimization Assessment

Dear Earl Wallis:

Your business has been selected to receive a hazardous waste minimization assessment. As you are probably aware, hazardous waste reduction has become a statewide, if not a national, issue. To address this issue at a county level, Alameda County is establishing its own Hazardous Waste Minimization Program and is planning to conduct waste minimization assessments for all hazardous waste generating facilities in the County.

We have chosen businesses in the auto repair industry to receive the first round of waste minimization assessments. It is our hope that these assessments will assist participating businesses in minimizing their hazardous wastes - and will give us further information on the best way to structure our minimization program.

One of our Hazardous Materials Specialists will be contacting you during the week of September 24 to arrange a meeting with you for an assessment of your business. During this meeting and assessment, the Specialist will work with you in examining your business's hazardous waste generating practices. The Specialist will then provide you with materials on waste reduction technology and assist you in setting up appropriate hazardous waste minimization practices.

We look forward to working with you in reducing the amount of hazardous waste your business generates. Of course, your comments and suggestions are encouraged; we need your input in order to best serve you! Please direct any comments and questions to Katherine Chesick at 415/271-4320.

Sincerely,

Edgar B. Howell, Chief,
Alameda County Hazardous Materials Division

EBH:kac

cc: Fire Department
Files



September 12, 1989

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

Mr. Al Williams
White GMC Trucks
5050 Coliseum Way
Oakland, CA 94601

E: NOTICE OF VIOLATION

Dear Mr. Williams:

On August 15, 1989, an inspection was performed at the above facility by Katherine Chesick & Larry Seto, from our office, in your presence. During the course of the inspection, the following violations were noticed:

- Section 66472, California Code of Regulations, Title 22, for not having an EPA identification number.
- Section 66508(a), California Code of Regulations, Title 22, for storing hazardous waste on-site for greater than ninety (90) days without a permit or variance.
- Section 66508(4)(c) California Code of Regulations, Title 22, for not labeling your nonstationary containers properly.
- Section 25189.5, Chapter 6.95, California Health and Safety Code, for the disposal of hazardous waste at an unauthorized point.
- Section 25284(a), Chapter 6.7, California Health and Safety Code, for operating underground storage tanks without a permit.

Please submit to this office within thirty (30) days of the receipt of this letter, your plan of corrections. Your plan should include, but shall not be limited to the following:

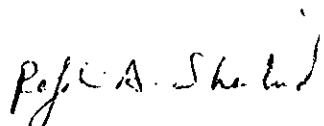
1. Your EPA identification number
2. Name of your licensed hazardous waste hauler

Mr. Al Williams
White GMC Trucks
5050 Coliseum Way
Oakland, CA 94601
September 12, 1989
Page 2 of 2

3. Name of disposal site
4. Date that your hazardous waste will be disposed of
5. Completed application forms A & B to register your underground tank(s).

If you have any questions, please contact Larry Seto, Sr. Hazardous Materials Specialist, at 271-4320.

Sincerely,



Rafat A. Shahid, Chief,
Hazardous Materials Program

RAS:LS:mnc

cc: Capt. Wayne Gaskin, Oakland Fire
Gil Jensen, Alameda County District Attorney, Consumer and
Environmental Protection Agency

RWQCB
Doug Krause, DOHS
Larry Seto, Alameda County Hazardous Materials
File