



Miller Environmental Company, Inc.

Engineering • Geology • Construction

January 13, 1992

Department of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

Attn: Mr. Gil Wistar

Re: European Motors, 2915 Broadway, Oakland 94618

Dear Mr. Wistar:

Enclosed are the laboratory results for the fourth quarterly sampling interval for the above-mentioned site.

Prior to well sampling, ground water level data was collected and a visual observation for floating product was made using a clear teflon bailer. No product was observed in any of the monitoring wells. Each well was purged of 4 well volumes of ground water and allowed to completely recover prior to sampling. The water samples were collected in 40 ml VOA bottles and 1 Qt jars, placed on ice and transported under chain-of-custody protocol to National Environmental Testing, Inc. (NET), a state-certified laboratory, for analysis. A copy of the chain-of-custody is attached.

The water samples were analyzed for Total Petroleum Hydrocarbons (TPH) as gasoline, TPH as diesel, Total Recoverable Petroleum Hydrocarbons (TRPH) and benzene, toluene, ethylbenzene and xylene (BTEX).

No detectable hydrocarbon contamination was detected in any of the tests run.

For ease of reference, a summary of laboratory results, including results of previous sampling episodes, is presented in Table 1 on page 2.

European Motors, Oakland - 4th quarter monitoring results 12/09/91

TABLE 1
Summary of Laboratory Results

Well #	Date	TPH gas	TRPH(TOG) w.o.	TPH dsl	B	T	E	X
MW1	03/06/90	ND	ND	ND	ND	ND	ND	ND
	01/15/91	ND	ND	ND	ND	ND	ND	ND
	05/16/91	ND	0.8	ND	ND	ND	ND	ND
	08/15/91	ND	ND	ND	ND	ND	ND	ND
	12/09/91	ND	ND	ND	ND	ND	ND	ND
MW2	03/06/90	ND	ND	ND	ND	ND	ND	ND
	01/15/91	ND	ND	ND	ND	ND	ND	ND
	05/16/91	ND	ND	ND	ND	ND	ND	ND
	08/15/91	ND	ND	ND	ND	ND	ND	ND
	12/09/91	ND	ND	ND	ND	ND	ND	ND
MW3	03/06/90	ND	ND	0.06	ND	ND	ND	ND
	01/15/91	ND	ND	ND	ND	ND	ND	ND
	05/16/91	ND	ND	ND	ND	ND	ND	ND
	08/15/91	ND	ND	ND	ND	ND	ND	ND
	12/09/91	ND	ND	ND	ND	ND	ND	ND

- a) TPH results are expressed in milligrams per liter (mg/L) which is equivalent to parts per million (ppm).
- b) BTEX results expressed in micrograms per liter (ug/L) which is equivalent to parts per billion (ppb).
- c) ND = not detected

Water level readings were obtained prior to well purging. Table 2 is a summary of ground water elevations.

TABLE 2
Summary of Ground Water Elevations

	MW1	MW2	MW3	DATE
TOC ELEVATION	44.63	43.60	43.71	03/02/90
DEPTH TO H2O	12.42	10.84	10.40	03/07/90
	12.46	10.93	10.53	03/22/90
	14.49	14.15	13.49	01/15/91
	13.20	12.80	11.76	05/16/91
	14.28	13.99	12.25	08/15/91
	14.47	14.09	13.61	12/09/91

- a) elevations are given in feet.
- b) TOC elevation based on mean seal level (MSL) datum.

Ground water flow direction at this site on December 9, 1991 was in a **southeast** direction. The calculated ground water flow direction is shown on the attached site plan.

Discussion of Results to Date

Ground water samples from monitoring well MW2, which is in the downgradient direction, indicate five successive monitoring periods with no detectable hydrocarbons based on laboratory results. In addition, samples from MW3 indicate four successive periods when non-detectable levels of hydrocarbons were reported in the lab results.

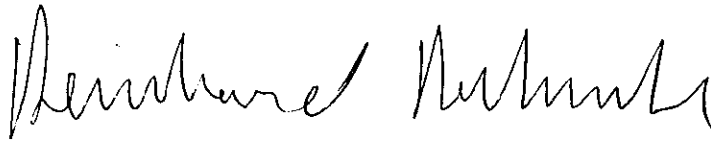
Ground water samples from MW1 indicate one sampling period when a small concentration of waste oil was indicated. This reading, which was recorded in May 1991, may be attributed to cross-contamination. The lab results from all other sampling periods have shown non-detectable levels of hydrocarbons.

Future Work

Due to the fact that laboratory analyses of water samples from the three wells are non-detect at the fourth and final quarterly monitoring period (December, 1991), MEC intends to submit a site closure request for your approval.

If you have any questions please do not hesitate to call me.

Sincerely,

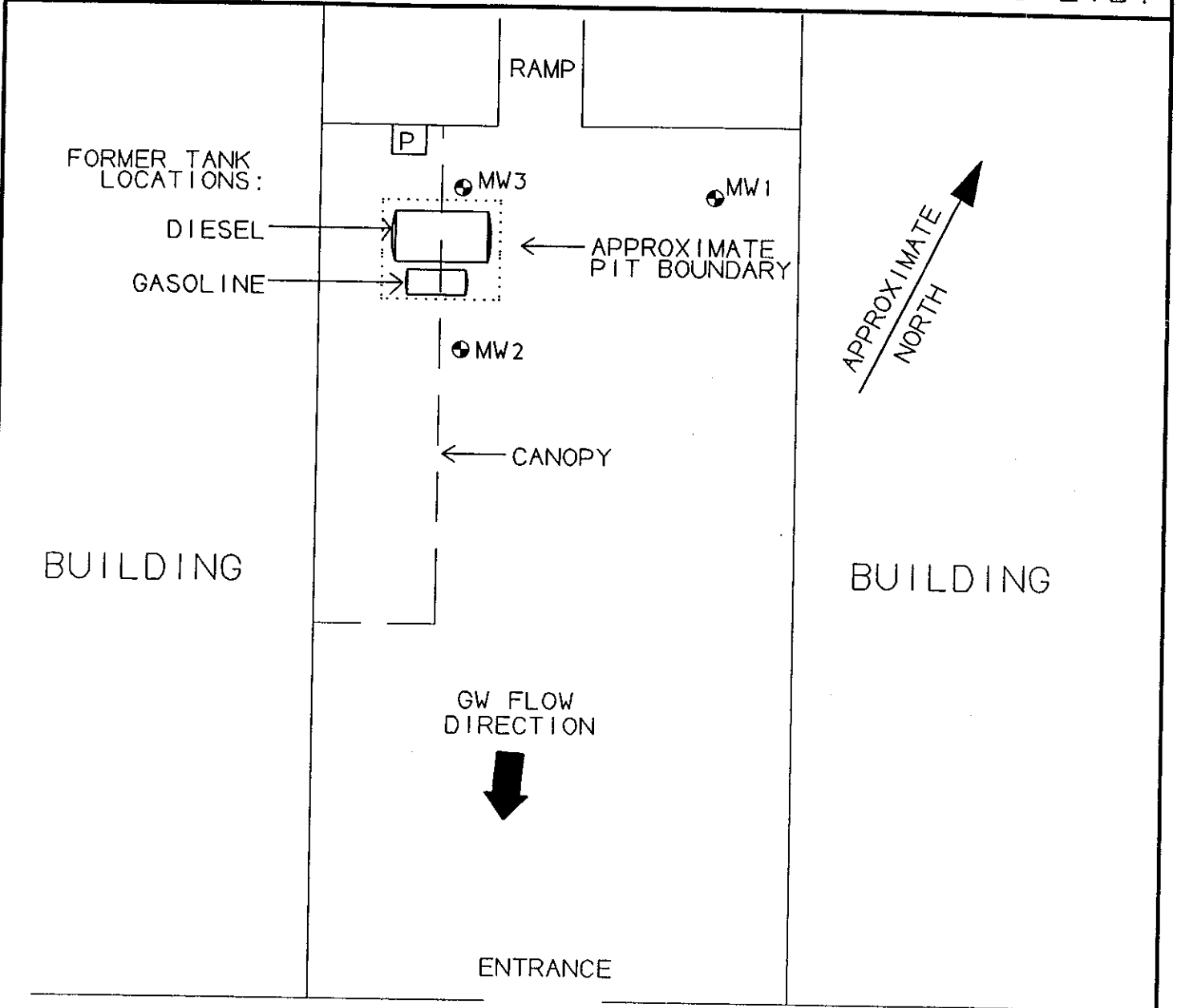


Reinhard Ruhmke
Project Geologist

Enc: Laboratory results, site plan

cc: RWQCB
Jules Barsotti - European Motors
file

FIGURE 1: SITE PLAN FOR EUROPEAN MOTORS LTD.



● = MONITORING WELL LOCATION 0 25 50 APPROXIMATE SCALE IN FEET □ = PRODUCT PUMP LOCATION

MILLER ENVIRONMENTAL COMPANY
385 PITTSBURG AVENUE, RICHMOND, CA 94801