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8 November 1989  
File: 10-1682-03/38

Mr. Dennis Hunt  
Industrial Asphalt  
P.O. Box 636  
52 El Charro Road  
Pleasanton, CA 94566

**SUBJECT: October 1989 Monthly Monitoring, Environmental Engineering Services, Industrial Asphalt Facility, Pleasanton, California**

Dear Mr. Hunt:

Kleinfelder, Inc., is pleased to submit the results of our monthly monitoring and sampling activities at the Industrial Asphalt facility in Pleasanton, California. Field activities were performed on 17 October 1989 through 25 October 1989.

Water level and free product thickness data for the six onsite monitoring wells are presented in the attached table. On the sampling day, monitoring well MW-9 was covered with several feet of water due to a rainstorm and; therefore, was unaccessible for sampling. The four other wells (MW-1, MW-2, MW-3, and MW-11) were dry or had an insufficient volume of water to obtain a representative sample.

Collected ground water samples were tested for the standard suite of constituents which included total petroleum hydrocarbons (TPH) as diesel and waste oil and polychlorinated biphenyls (PCBs). A summary of the analytical data for the sampled ground water monitoring wells MW-4, MW-5, MW-6, MW-7, MW-8, and MW-10 is also included in the attached table.

As indicated by the data, the ground water table beneath the project site dropped as compared to the previous monitoring round. This drop in ground water elevation is likely associated with decreased flow in the Arroyo Mocho creek as discussed in our previous monitoring report dated 25 October 1989.

A ground water potentiometric map has been developed from the data obtained on 17 October 1989. Interpretation of the data indicates that ground water flowed towards the north and northeast, towards the creek, at an approximate hydraulic gradient of 1% (Plate 1).

As shown by the attached table, sheen was found on the ground water surface in well MW-8 only. No free product was detected in any monitoring well.

Chemical analyses of ground water samples indicate the presence of dissolved hydrocarbons as diesel or waste oil in monitoring wells MW-4, MW-7 and MW-8.

Polychlorinated Biphenyls (PCBs) as Alocor 1260 were found in a water sample obtained from well MW-8.

Based on the analytical results, it appears that purge water from wells MW-5, MW-6, and MW-10 can be disposed of on the ground. Purge water from wells MW-4 and MW-7 can be recycled in manufacturing process used by Industrial Asphalt. However, purge water contained in a drum marked MW-8 contains PCBs and, therefore, should be disposed of according to applicable regulations.

#### LIMITATIONS

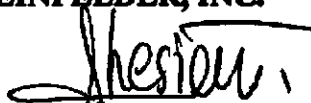
This report was prepared in general accordance with the accepted standard of practice which exists in Northern California at the time the investigation was performed. It should be recognized that definition and evaluation of environmental conditions is a difficult and inexact art. Judgements leading to conclusions and recommendations are generally made with an incomplete knowledge of the conditions present. More extensive studies, including additional environmental investigations, can tend to reduce the inherent uncertainties associated with such studies. If the Client wishes to reduce the uncertainty beyond the level associated with this study, Kleinfelder, Inc., should be notified for additional consultation.


Our firm has prepared this report for the Client's exclusive use for this particular project and in accordance with generally accepted engineering practices within the area at the time of our investigation. No warranties, expressed or implied, as to the professional advice provided are made.

If you have any questions, please contact the undersigned.

Sincerely,

**KLEINFELDER, INC.**

  
Krzysztof (Krys) S. Jesionek  
Project Manager

  
R. Jeffrey Dunn, Ph.D., G.E.  
Assistant Regional Manager



cc: Mr. Dwight Beavers, Industrial Asphalt  
Mr. Gil Wistar, Alameda County Department of Environmental Health  
Mr. Lester Feldman, California Regional Water Quality Control Board  
Mr. Jerry Killingstad, Alameda County Flood Control and Water Conservation District

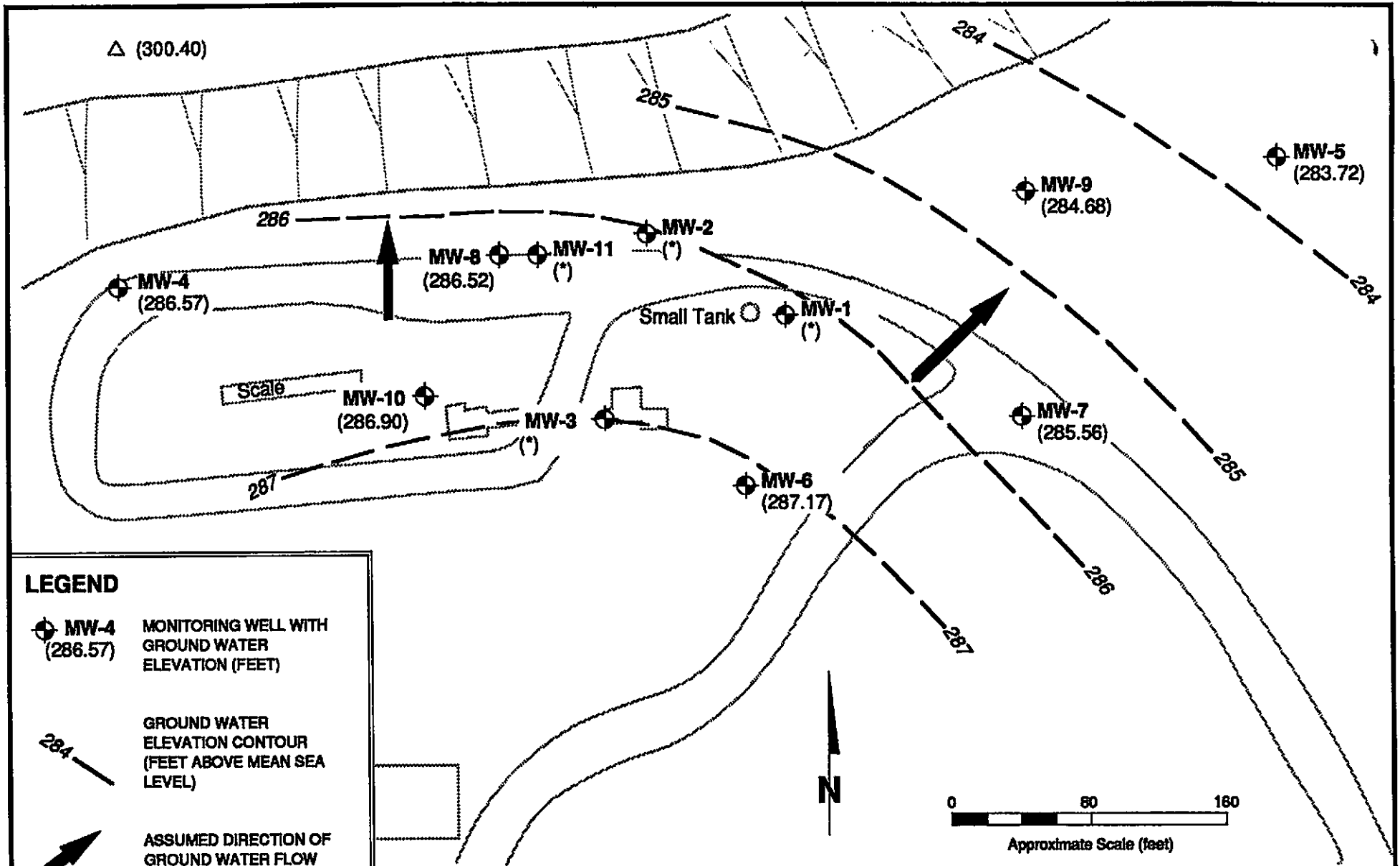
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**MONITORING PARAMETERS (10/17/89)  
INDUSTRIAL ASPHALT**

Monitoring Well	Total Depth (feet)	Depth to Water <sup>(1)</sup> (feet)	Ground Water Elevation <sup>(2)</sup> (feet)	Product Thickness (feet)	TPH as Diesel (mg/l)	TPH as Waste Oil (mg/l)	PCBs (µg/l)
MW-1	88	DRY	NA	NE	NT	NT	NT
MW-2	90	DRY	NA	NE	NT	NT	NT
MW-3	90	DRY	NA	NE	NT	NT	NT
MW-4	95	89.69	286.57	NE	ND	0.7	ND
MW-5	110	98.83	283.72	NE	ND	ND	ND
MW-6	109	91.98	287.17	NE	ND	ND	ND
MW-7	109	93.40	285.54	NE	1.2	ND	ND
MW-8	109	92.04	286.52	SHEEN	17	6.7	0.7
MW-9	108	92.72	284.68	NE	NT	NT	NT
MW-10	111	91.14	286.90	NE	ND	ND	ND
MW-11	75	DRY	NA	NE	NT	NT	NT
SG	NA	0.40 <sup>(3)</sup>	300.40 <sup>(4)</sup>	NA	NA	NA	NA

**NOTES:**

- <sup>(1)</sup> Below top of casing
- <sup>(2)</sup> Feet above mean sea level (USGS Datum)
- <sup>(3)</sup> Reading on the staff gauge
- <sup>(4)</sup> Surface water elevation in the pit
- TPH Total Petroleum Hydrocarbons
- PCBs Polychlorinated Biphenyls (Aroclor 1260)
- NE Not Encountered
- ND Not Detected at or above laboratory detection limits
- NA Not Applicable
- SG Staff Gauge



**LEGEND**

MW-4 (286.57) MONITORING WELL WITH GROUND WATER ELEVATION (FEET)

284 GROUND WATER ELEVATION CONTOUR (FEET ABOVE MEAN SEA LEVEL)

ASSUMED DIRECTION OF GROUND WATER FLOW

(\*) DRY WELL

(300.40) SURFACE WATER ELEVATION (feet, above mean sea level)

**KLEINFELDER**

**GROUND WATER POTENTIOMETRIC MAP ON OCTOBER 17, 1989**

**INDUSTRIAL ASPHALT PLEASANTON, CALIFORNIA**

PROJECT NO. 10-1682-03

DRAFTED BY: L. Sue DATE: 11-3-89

CHECKED BY: K. Jeslonek DATE: 11-3-89

PLATE

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