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15 February 1990  
File: 10-1682-03/38

Mr. Dennis Hunt  
District Manager  
Industrial Asphalt  
P.O. Box 636  
Pleasanton, CA 94566

**SUBJECT: January 1990 Monthly Monitoring, Industrial Asphalt, 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 22 January 1990 through 24 January 1990.

Water level and free product thickness data for the six onsite monitoring wells are shown on the attached table. On the sampling days, monitoring well MW-9 was covered with surface water due to a rainstorm, and, therefore, was inaccessible for sampling. The four other wells (MW-1, MW-2, MW-3, and MW-11) were dry on the sampling days. Surface water level elevation in the pond was obtained from the staff gage.

Collected ground water samples were tested for the standard suite of constituents which included total petroleum hydrocarbons (TPH) as diesel/waste oil and polychlorinated biphenyls (PCBs). A summary of the analytical data for the sampled ground water from 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 rose as compared to the previous monitoring round (December 1989). This is likely due to several rainstorms or recharge from surface sources.

A ground water surface contour map has been developed from the data obtained on 22 January 1990. Interpretation of the data indicates that ground water flow was towards the northeast at an approximate hydraulic gradient of 1.2% (Plate 1).

As shown in the attached table, no free product or sheen was noted on the ground water surface in any of the sampled site monitoring wells.

Chemical analyses of ground water samples indicate the presence of dissolved hydrocarbons as diesel and waste oil, at concentrations of 6.6 mg/l and 6.1 mg/l, respectively, only in monitoring well MW-8. Polychlorinated Biphenyls (PCBs) as Aroclor 1260 were found at concentration of 0.6  $\mu$ g/l in a water sample collected from monitoring well MW-8.

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Based upon the analytical results, it appears that disposal of the purge water from wells MW-4, MW-5, MW-6, MW-7, and MW-10 can be on the ground. Purge water from well MW-8 can be recycled in manufacturing processes used by Industrial Asphalt.

### 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 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.


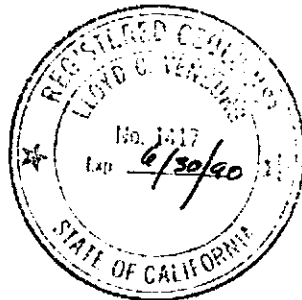
If you have any questions, please call the undersigned.

Sincerely,

KLEINFELDER, INC.



Krzysztof (Krys) S. Jesionek  
Project Manager



Lloyd C. Venburg, R.G.  
Senior Project Manager

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

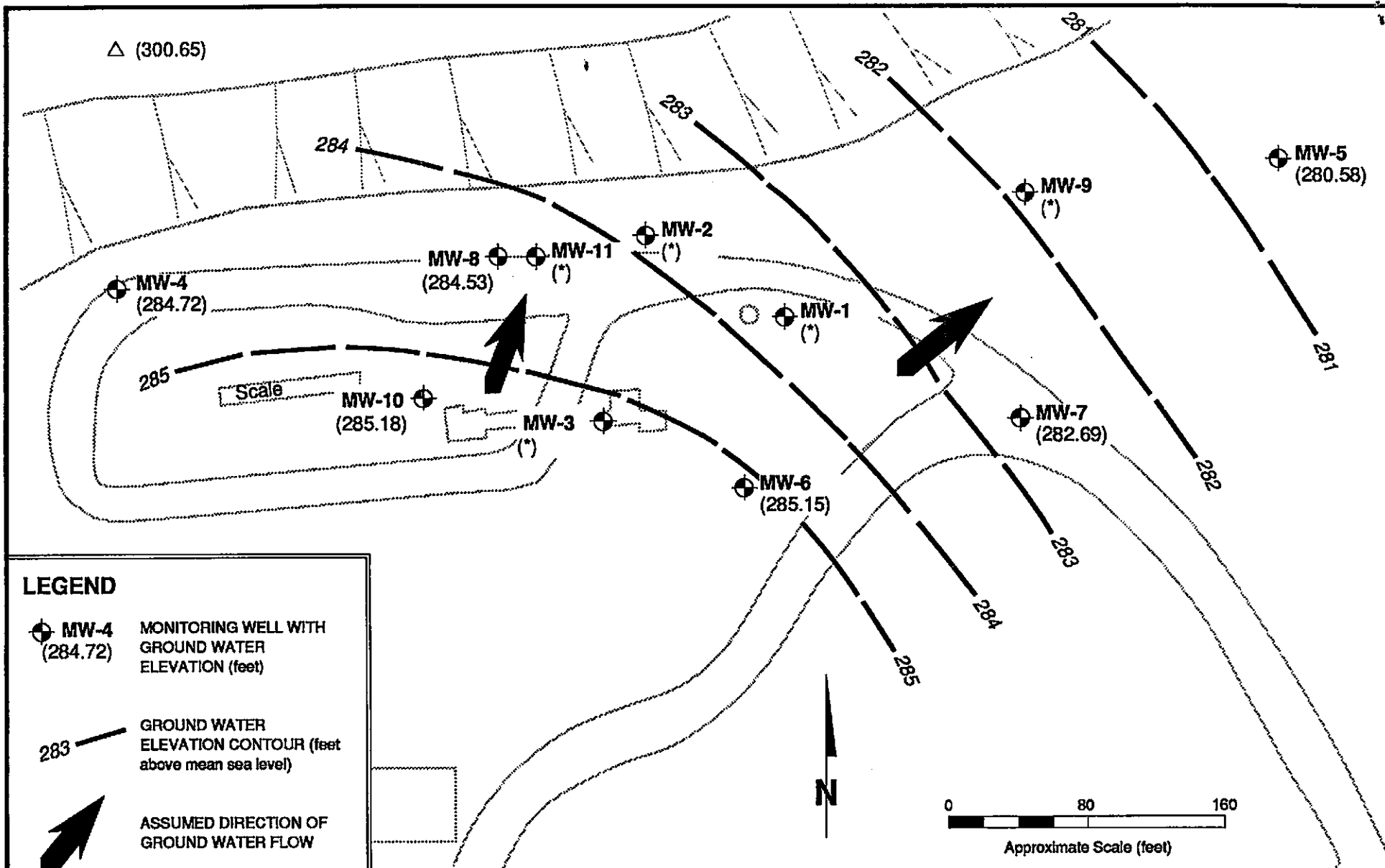
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MONITORING PARAMETERS (01/22/90)  
INDUSTRIAL ASPHALT

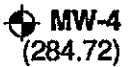
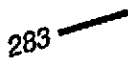



Monitoring Well	Total Depth (feet)	Depth to Water <sup>(1)</sup> (feet)	Ground Water Product Elevation <sup>(2)</sup> (feet)	Thickness (feet)	TPH as Diesel (mg/l)	TPH as Waste Oil (mg/l)	PCBs ( $\mu\text{g/l}$ )
MW-1	88	DRY	NA	NE	NT	NT	NT
MW-2	90	DRY	NA	NE	NT	NT	NT
MW-3	90	DRY	NA	NE	NT	NT	NT
MW-4	95	91.54	284.72	NE	ND	ND	ND
MW-5	110	101.97	280.58	NE	ND	ND	ND
MW-6	109	94.00	285.15	NE	ND	ND	ND
MW-7	109	96.32	282.62	NE	ND	ND	ND
MW-8	109	94.03	284.53	NE	6.6	6.1	0.6
MW-9	108	NC	NA	NA	NT	NT	NT
MW-10	111	92.86	285.18	NE	ND	ND	ND
MW-11	75	DRY	NA	NE	NT	NT	NT
SG	NA	0.65 <sup>(3)</sup>	300.65 <sup>(4)</sup>	NA	NA	NA	NA


NOTES:

- (1) Below top of casing
- (2) Feet above mean sea level (USGS Datum)
- (3) Reading on the staff gage
- (4) 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 Gage
- NC Not Accessible
- NT Not Tested



**LEGEND**

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**MW-4 (284.72)** MONITORING WELL WITH GROUND WATER ELEVATION (feet)
  
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**283** GROUND WATER ELEVATION CONTOUR (feet above mean sea level)
  
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 ASSUMED DIRECTION OF GROUND WATER FLOW
  
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 (\*) DRY OR NOT ACCESSIBLE WELL
  
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**△ (300.65)** SURFACE WATER ELEVATION (feet, above mean sea level)

 <b>KLEINFELDER</b>	<b>GROUND WATER SURFACE CONTOUR MAP ON JANUARY 22, 1990</b>		PLATE  <b>1</b>
	DRAFTED BY: L. Sue	DATE: 2-7-90	<b>INDUSTRIAL ASPHALT PLEASANTON, CALIFORNIA</b>
CHECKED BY: K. Jesionek	DATE: 2-7-90	PROJECT NO. 10-1682-03	