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25 April 1990  
File: 10-1682-03/38

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

**SUBJECT: March 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. Additionally, as requested by the Alameda County Department of Environmental Health in their letter dated 9 February 1990, monthly reports now contain a summary of the RI activities and specific plans for the next month activities.

#### MONTHLY MONITORING

Field monitoring activities were performed on 21 March 1990 through 23 March 1990. Water level monitoring data for the seven onsite monitoring wells are shown on the attached table. The other four wells (MW-1, MW-2, MW-3, and MW-11) were dry on the sampling days. Surface water level 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, MW-9 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 (February 1990). A ground water surface contour map has been developed from the data obtained on 21 March 1990. Interpretation of the data indicates that ground water flow was toward the northeast at an approximate hydraulic gradient of 1.3% (Plate 1).

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

Chemical analyses of ground water samples indicate the presence of dissolved hydrocarbons as diesel only in monitoring well MW-7 at concentration 0.1 mg/l. No

dissolved hydrocarbons as waste oil or polychlorinated biphenyls (PCBs) were found in collected water samples.

Based upon the analytical results, it appears that purge water from all the wells can be recycled in manufacturing process used by Industrial Asphalt.

## RI ACTIVITIES

Drilling and sampling of the soil borings with a dual tube percussion drill rig at the Industrial Asphalt facility will commence on 7 May 1990. An updated project schedule is attached to this report. A quarterly report for the first quarter of 1990 will be issued in approximately two weeks.

## 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.

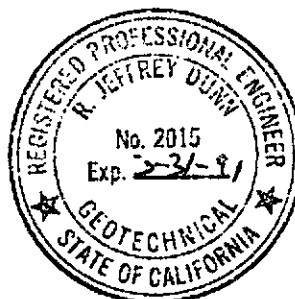
If you have any questions, please call the undersigned.

Sincerely,

KLEINFELDER, INC.

  
Krzysztof (Krys) S. Jesionek  
Project Manager

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



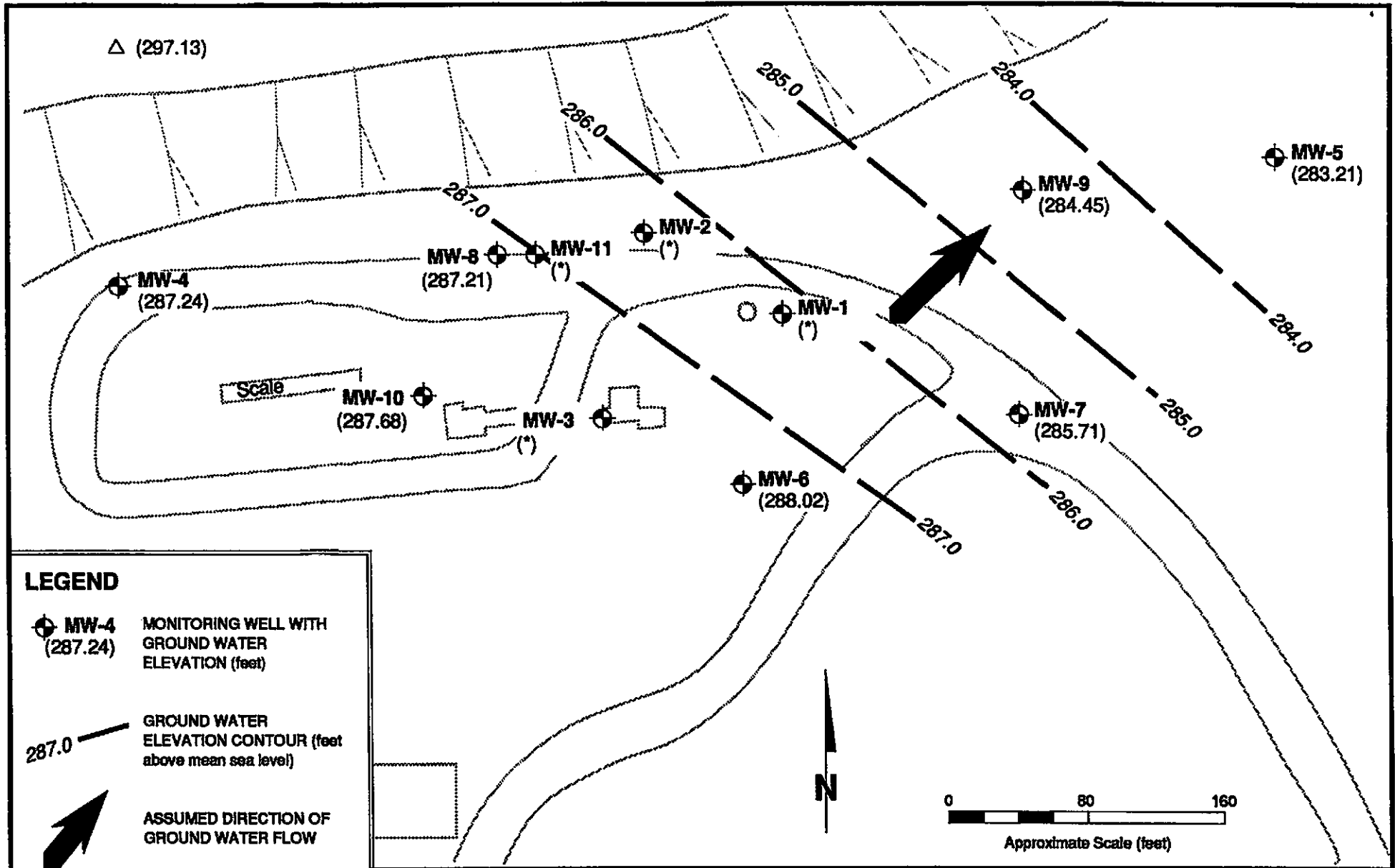
cc: Dwight Beavers, Industrial Asphalt  
Gil Wistar, Alameda County Department of Environmental Services  
Rico Duazo, California Regional Water Quality Control Board  
Jerry Killingstad, Alameda County Flood Control and Water Conservation District

**MONITORING PARAMETERS (03/21/90)**  
**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 <sup>(3)</sup> (mg/l)	TPH as Waste Oil <sup>(4)</sup> (mg/l)	PCBs $\mu$ g/l <sup>(5)</sup>
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	89.02	287.24	NE	ND	ND	ND
MW-5	110	99.34	283.21	NE	ND	ND	ND
MW-6	109	91.13	288.02	NE	ND	ND	ND
MW-7	109	93.23	285.71	NE	0.1	ND	ND
MW-8	109	91.35	287.21	NE	ND	ND	ND
MW-9	108	92.95	284.45	NE	ND	ND	ND
MW-10	111	90.36	287.68	NE	ND	ND	ND
MW-11	75	DRY	NA	NE	NT	NT	NT
SG	NA	-2.87 <sup>(6)</sup>	297.13 <sup>(7)</sup>	NA	NA	NA	NA

**NOTES:**

- (1) Below top of casing
- (2) Feet above mean sea level (USGS Datum)
- (3) Laboratory detection limits - 0.05 mg/l
- (4) Laboratory detection limit - 0.5 mg/l
- (5) Laboratory detection limit - 0.5 ug/l
- (6) Reading on the staff gage
- (7) 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**


**MW-4**  
 (287.24) MONITORING WELL WITH  
 GROUND WATER  
 ELEVATION (feet)


 287.0  
 GROUND WATER  
 ELEVATION CONTOUR (feet  
 above mean sea level)


 ASSUMED DIRECTION OF  
 GROUND WATER FLOW

(\*) DRY OR NOT ACCESSIBLE  
 WELL


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



**GROUND WATER SURFACE CONTOUR  
MAP ON MARCH 21, 1990**

**INDUSTRIAL ASPHALT  
PLEASANTON, CALIFORNIA**

**PROJECT NO. 10-1682-03**

DRAFTED BY: L. Sue DATE: 4-25-90

CHECKED BY: K. Jesionek DATE: 4-26-90

PLATE

1

Revised Project Schedule

TASK	FOR THE WEEK BEGINNING											
	5/7/90	5/14/90	5/21/90	5/28/90	6/4/90	6/11/90	6/18/90	6/25/90	7/2/90	7/9/90	7/16/90	7/23/90
1 REGIONAL DATA	→											
2 SOIL SAMPLING		→										
3 MONITORING/EXTRACTION WELL CONSTRUCTION DEVELOPMENT AND SAMPLING		→				→						
4 CHEMICAL ANALYSES		→						→				
5 PUMP TESTS							→	→				
6 BASELINE HEALTH RISK ASSESSMENT						→			→			
7 RI REPORT				→							→	
8 GROUND WATER TREATMENT SYSTEM DESIGN AND CONSTRUCTION									→			
9 SOIL TREATMENT SYSTEM DESIGN AND CONSTRUCTION									→			
10 MONTHLY REPORT				▲					▲			▲
11 QUARTERLY REPORT	▲											▲