



**KLEINFELDER**

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19 September 1990  
File: 10-1682-03/38

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

**SUBJECT: August 1990 Bi-monthly Monitoring, Industrial Asphalt, Pleasanton, California**

Dear Mr. Hunt:

Kleinfelder, Inc., is pleased to submit the results of our bimonthly monitoring and sampling activities at the Industrial Asphalt facility in Pleasanton, California. Additionally, as requested by the Alameda County Department of Environmental Health (ACDEH) in their letter to Industrial Asphalt dated 9 February 1990, bi-monthly reports now contain a summary of the RI activities and specific plans for the next month activities.

#### **BI-MONTHLY MONITORING**

Field monitoring activities were performed on 20 August 1990 through 28 August 1990. Monitoring data for the ten onsite monitoring wells and one extraction well (MW-13) are shown on the attached table. Three wells (MW-1, MW-2 and MW-3) were not sampled at this time due to insufficient volumes of water in these wells to obtain representative samples. Monitoring well MW-11 was abandoned on 8 August 1990, prior to this round of sampling. 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 wells MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-13, MW-14, MW-15 and MW-16 is also included in the attached table.

As indicated by the data, the ground water table beneath the project site dropped by approximately 5 to 6 feet as compared to the previous monitoring round (June 1990). A ground water surface contour map has been developed from the data obtained on 20 August 1990. The data indicate that ground water flow was toward the north and northeast at an approximate hydraulic gradient of 4% (Plate 1).

Chemical analyses of ground water samples indicate the presence of dissolved hydrocarbons as diesel in monitoring wells MW-9, MW-10, MW-13 and MW-15 at low concentrations 0.1 mg/l, 0.1 mg/l, 0.3 mg/l and 0.6 mg/l, respectively. Dissolved hydrocarbons as waste oil were detected only in well MW-14 at concentration 0.6 mg/l. No polychlorinated biphenyls (PCBs) were detected at or above laboratory detection limits in any well at the project site. During this round of sampling, sheen of hydrocarbons was noted only on the water surface in monitoring well MW-8.

Based upon the analytical results, it appears that approximately 216 gallons of purge water from monitoring wells MW-4, MW-5, MW-6, MW-7, MW-8 and MW-16 can be disposed on the ground. The purge water from wells MW-9, MW-10, MW-13, MW-14 and MW-15 may be recycled in manufacturing process used by Industrial Asphalt. This recommendation is in accordance with the California Regional Water Quality Control Board (CRWQCB) decision to waive waste discharge requirements for purge water disposal on the ground at the project site (letter from S.R. Ritchie of the CRWQCB to K.S. Jesionek dated 22 May 1990).

Monitoring at the Industrial Asphalt site has been rescheduled to occur every other month; therefore, the next sampling event is scheduled for October 1990.

## **RI ACTIVITIES**

Drilling and installation of the extraction well was performed in August 1990. Observation well MW-11 was abandoned. A pumping test in well MW-13 was performed in September 1990. Once the data from the test are evaluated, a Health Risk Assessment will be performed. Monitoring wells MW-14, MW-15 and MW-16 will be analyzed once for BTXE (benzene, toluene, xylenes and ethylbenzene) during the October sampling event. An updated project schedule is attached to this report.

## **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.

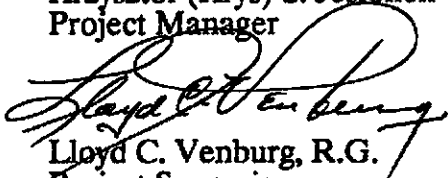
If you have any questions, please call the undersigned.

Sincerely,

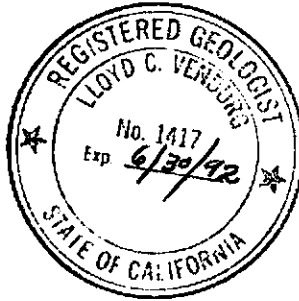
KLEINFELDER, INC.



Krzysztof (Krys) S. Jesionek  
Project Manager



Lloyd C. Venburg, R.G.  
Project Supervisor



KSJ:LCV:dwl

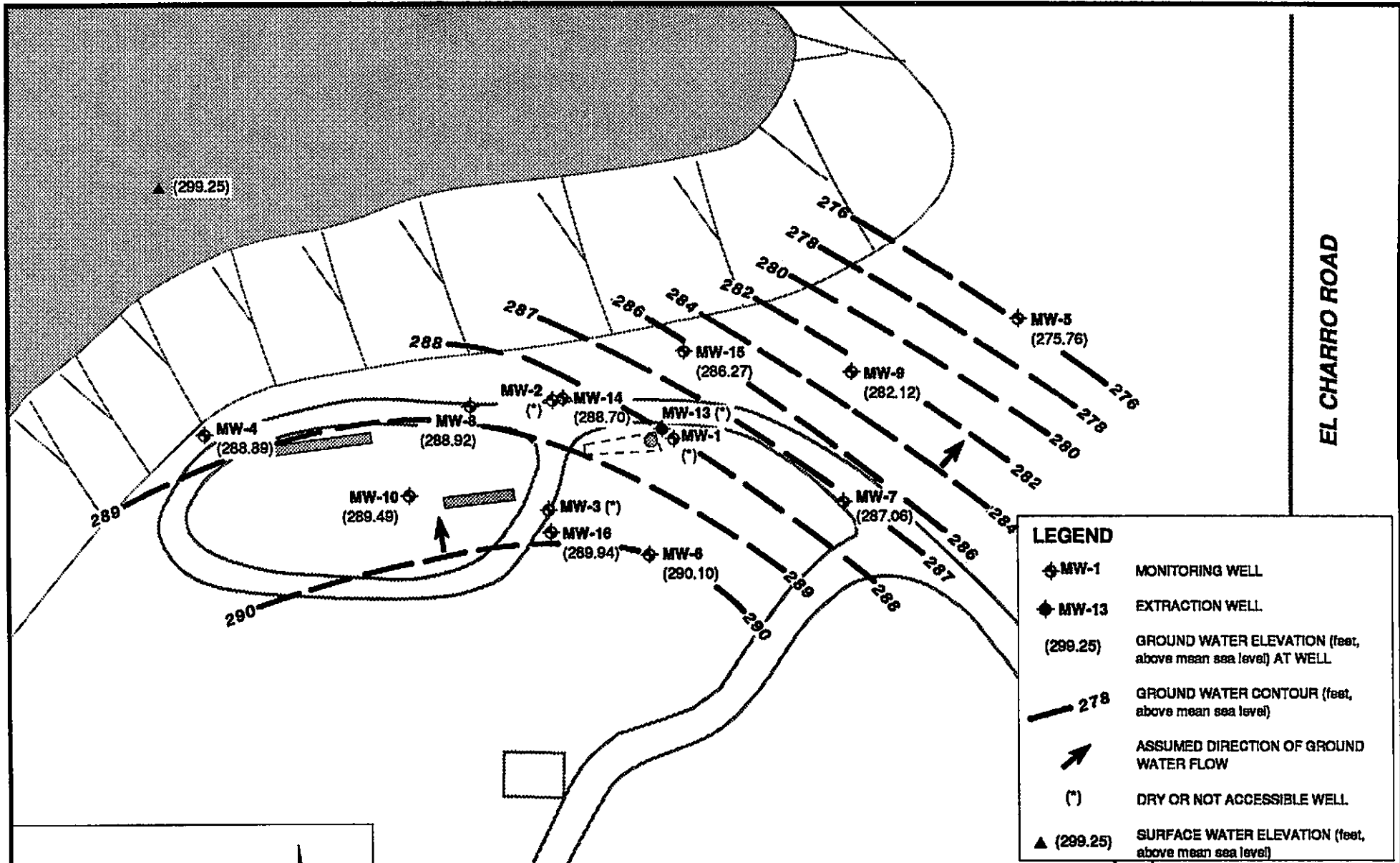
cc: Dwight Beavers, Industrial Asphalt  
Gil Wistar, Alameda County Department of Environmental Services  
Rico Duazo, California Regional Water Quality Control Board  
Jerry Killingstad, Alameda County Flood Control and Water Conservation District

**MONITORING PARAMETERS (20 August 1990)**  
**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 <sup>(5)</sup> µg/l
MW-1	88	DRY	NA	NE	NT	NT	NT
MW-2	90	DRY	NA	NE	NT	NT	NT
MW-3	90	NC	NA	NA	NT	NT	NT
MW-4	95	87.37	288.89	NE	ND	ND	ND
MW-5	110	106.79	275.76	NE	ND	ND	ND
MW-6	109	89.05	290.10	NE	ND	ND	ND
MW-7	109	91.88	287.06	NE	ND	ND	ND
MW-8	109	89.64	288.92	SHEEN	ND	ND	ND
MW-9	108	95.28	282.12	NE	0.1	ND	ND
MW-10	111	88.55	289.49	NE	0.1	ND	ND
MW-11 <sup>(8)</sup>	NA	NA	NA	NA	NA	NA	NA
MW-13 <sup>(9)</sup>	116	91.19	NS	NE	0.3	ND	ND
MW-14	114.5	91.39	288.70	NE	ND	0.6	ND
MW-15	117	91.85	286.27	NE	0.6	ND	ND
MW-16	110	89.71	289.94	NE	ND	ND	ND
SG	NA	-0.75 <sup>(6)</sup>	299.25 <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 - 0.1 mg/l
- (5) Laboratory detection limit - 0.5 µg/l
- (6) Reading on the staff gage
- (7) Surface water elevation in the pit
- (8) Well abandoned on 8 August 1990
- (9) Extraction Well
- TPH Total Petroleum Hydrocarbons
- PCBs Polychlorinated Biphenyls (Aroclor 1260)
- NE Not Encountered
- ND Not Detected at or above laboratory detection limits
- NA Not Applicable
- NS Not Surveyed
- SG Staff Gage
- NC Not Accessible
- NT Not Tested



**BASE MAP SOURCE:**

Wells surveyed by Associated Professions Inc., April 7, 1990.  
Site details from 1987 photo (No. HAP-753), Pacific Aerial Surveys.



**KLEINFELDER**

**GROUND WATER SURFACE CONTOUR  
MAP — 20 AUGUST 1990**

**INDUSTRIAL ASPHALT  
PLEASANTON, CALIFORNIA**

**PROJECT NO. 10-1682-03/38**

PLATE

**1**

DRAFTED BY: L. Sue

DATE: 9-11-90

CHECKED BY: K. Jesionek

DATE: 9-12-90

### Revised Project Schedule

TASK	FOR THE WEEK BEGINNING														
	9/3/90	9/10/90	9/17/90	9/24/90	10/1/90	10/8/90	10/15/90	10/22/90	10/29/90	11/5/90	11/12/90	11/19/90	11/26/90	12/3/90	12/10/90
<b>1. REGIONAL DATA</b> <b>2. SOIL SAMPLING (1)</b> <b>3. MONITORING/EXTRACTION (1,2)</b> <b>WELL CONSTRUCTION</b> <b>DEVELOPMENT AND SAMPLING</b> <b>4. CHEMICAL ANALYSES (1)</b> <b>5. PUMPING TESTS</b> <b>6. BASELINE HEALTH RISK</b> <b>ASSESSMENT</b> <b>7. RI REPORT</b> <b>8. GROUND WATER TREATMENT</b> <b>SYSTEM</b> <b>DESIGN AND CONSTRUCTION</b> <b>9. SOIL TREATMENT SYSTEM</b> <b>DESIGN AND CONSTRUCTION</b> <b>10. BIMONTHLY REPORT</b> <b>11. SEMI-ANNUAL REPORT</b>															
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(1) Indicates completed task

(2) Includes soil excavation and free product removal from vicinity of boring SB-1