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6 July 1990
File: 10-1682-03/38

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

SUBJECT: May 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 (ACDEH) 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 29 May 1990 through 31 May 1990. Water level monitoring data for the eight onsite monitoring wells are shown on the attached table. Three wells (MW-1, MW-9 and MW-11) were not sampled at this time. Monitoring well MW-1 had an insufficient volume of water to obtain a representative sample, and well MW-9 was inaccessible for sampling since it was covered with surface water. Monitoring well MW-11 was 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-2, MW-3, 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 (April 1990). A ground water surface contour map has been developed from the data obtained on 29 May 1990. Interpretation of the data indicates that ground water flow was toward the north/northeast at an approximate hydraulic gradient of 3.1% (Plate 1).

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As shown in the attached table, sheen was noted on the ground water surface in monitoring wells MW-1, MW-2, MW-3 and MW-8.

Chemical analyses of ground water samples indicate the presence of dissolved hydrocarbons as diesel in monitoring wells MW-2, MW-3, MW-7 and MW-8 at concentrations 65 mg/l, 13 mg/l, 1.1 mg/l and 31 mg/l, respectively. Dissolved hydrocarbons as waste oil were detected in all wells but MW-6 at concentrations ranging from 29 mg/l and 20 mg/l in wells MW-2 and MW-8, respectively, to 0.2 mg/l in wells MW-5 and MW-10. Additionally, polychlorinated biphenyls (PCBs) were found in ground water samples obtained from wells MW-2 and MW-8 at concentrations 0.6 ug/l and 1.6 ug/l, respectively.

Based upon the analytical results, it appears that approximately 50 gallons of purge water from monitoring well MW-6 can be disposed on the ground. The purge water from wells MW-2, MW-3, MW-4, MW-5, MW-7, MW-8 and MW-10 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).

The monitoring frequency at the Industrial Asphalt site was discussed with Mr. Gil Wistar of the ACDEH during a telephone conversation on 28 June 1990. It was concluded, that analytical data collected to date justify bi-monthly sampling of the site monitoring wells. Therefore, the next sampling event is scheduled for August 1990.

RI ACTIVITIES

Drilling and sampling of the soil borings and monitoring well construction with a dual tube percussion drill rig at the Industrial Asphalt facility commenced on 29 May 1990. Ten soil borings were drilled and backfilled and three monitoring wells were installed by Water Development Corp. Since free product was encountered in boring SB-1 at approximate depth of 15 feet, excavation of the overlying fill materials and removal of the free product in this area is planned. These field activities have been scheduled for 14 July 1990. Once this phase of remedial investigation is completed, an extraction well will be constructed in the vicinity of SB-1/MW-1. 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.

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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

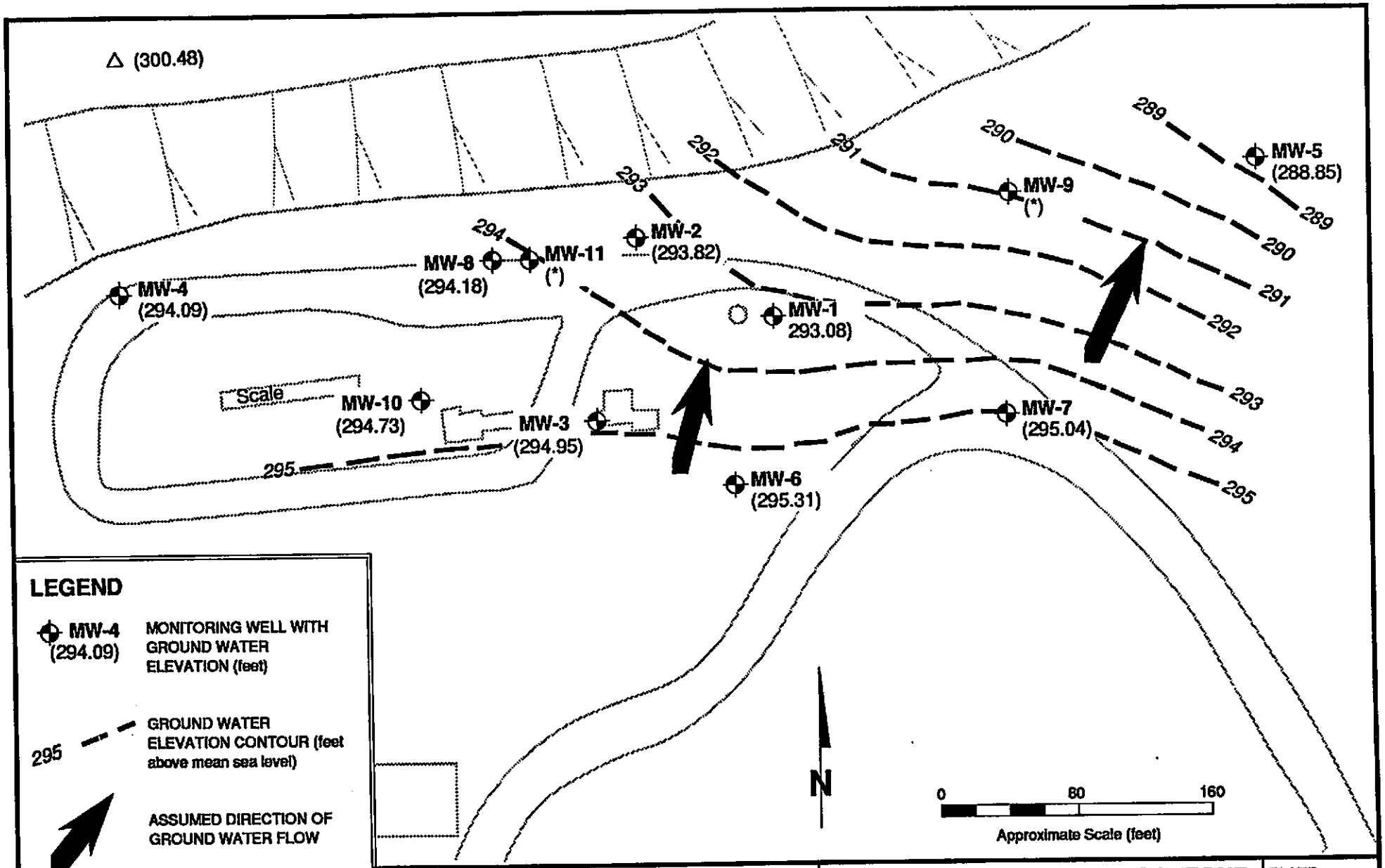
cc: Dwight Beavers, Industrial Asphalt
Gil Wistar, Alameda County Department of Environmental Services
Rico Duazo, California Regional Water Quality Control Board
Jerry Killingstad, Alameda County Flood Control and Water Conservation District

MONITORING PARAMETERS (05/29/90)
INDUSTRIAL ASPHALT

Monitoring Well	Total Depth (feet)	Depth to Water[1] (feet)	Ground Water Elevation[2] (feet)	Product Thickness (feet)	TPH as Diesel[3] (mg/l)	TPH as Waste Oil[4] (mg/l)	PCBs µg/l[5]
MW-1	88	86.33	293.08	SHEEN	NT	NT	NT
MW-2	90	85.98	293.82	SHEEN	65	29	0.6
MW-3	90	83.59	294.95	SHEEN	13	6.1	ND
MW-4	95	82.17	294.09	NE	ND	0.4	ND
MW-5	110	93.70	288.85	NE	ND	0.2	ND
MW-6	109	83.84	295.31	NE	ND	ND	ND
MW-7	109	83.90	295.04	NE	1.1	0.4	ND
MW-8	109	84.38	294.18	SHEEN	31	20	1.6
MW-9	108	NC	NA	NA	NT	NT	NT
MW-10	111	83.31	294.73	NE	ND	0.2	ND
MW-11	75	DRY	NA	NE	NT	NT	NT
SG	NA	0.48[6]	300.48[7]	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 (294.09) — MONITORING WELL WITH GROUND WATER ELEVATION (feet)
- 295 — GROUND WATER ELEVATION CONTOUR (feet above mean sea level)
- ASSUMED DIRECTION OF GROUND WATER FLOW
- (*) — DRY OR NOT ACCESSIBLE WELL
- △ (300.48) — SURFACE WATER ELEVATION (feet, above mean sea level)

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DRAFTED BY: L. Sue DATE: 7-6-90

CHECKED BY: K. Jesionek DATE: 7-6-90

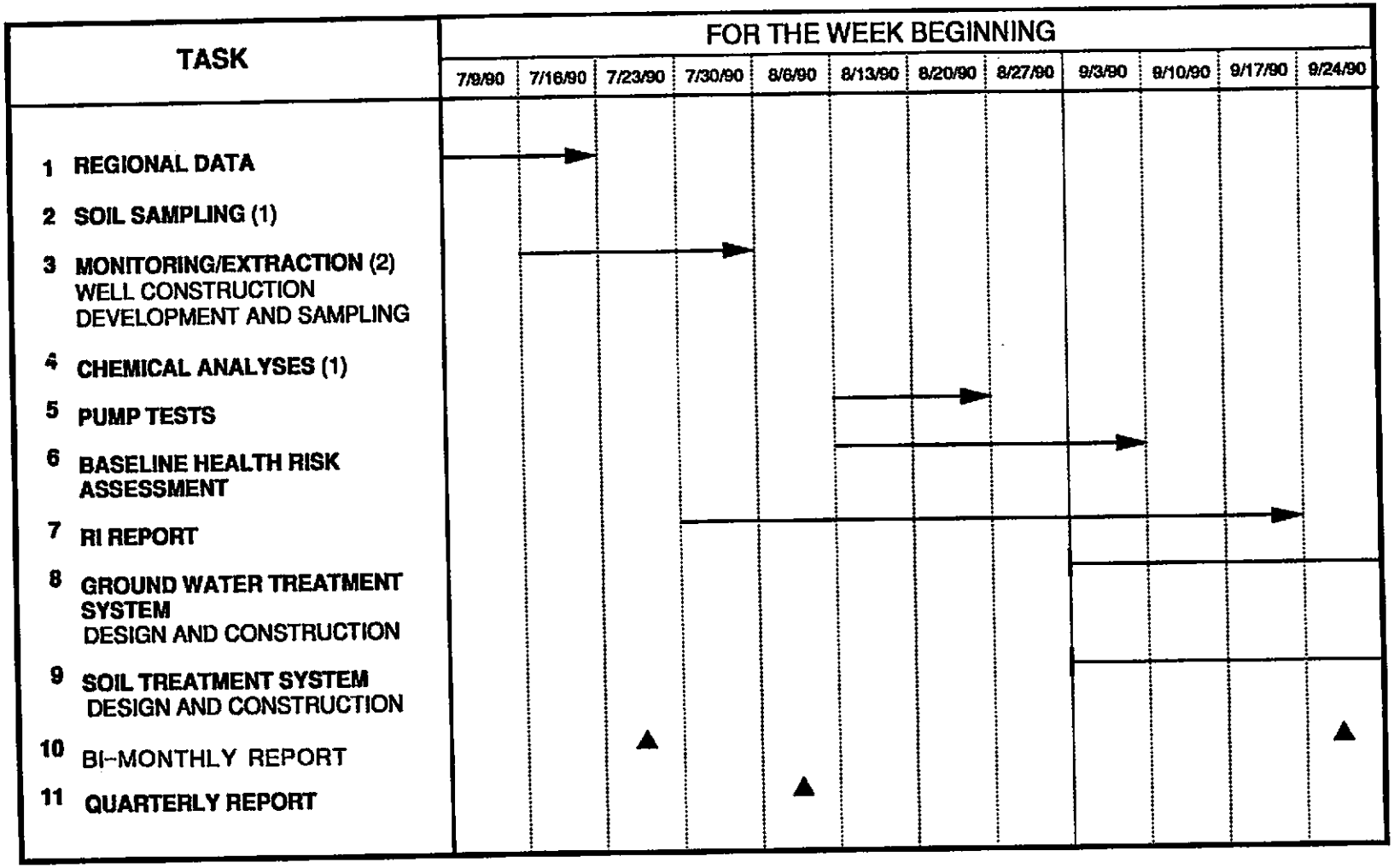
GROUND WATER SURFACE CONTOUR MAP — MAY 29, 1990

INDUSTRIAL ASPHALT
PLEASANTON, CALIFORNIA

PROJECT NO. 10-1682-03

PLATE 1

Revised Project Schedule



(1) Indicates completed task

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

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Project No. 10-1682-06
Industrial Asphalt
6 July 1990