KLEINFELDER

May 5, 1990
File: 10-1682-03/39

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

SUBJECT: Quarterly Report, Industrial Asphalt, Pleasanton, California

Dear Mr. Hunt:

Kleinfelder, Inc., is pleased to submit this quarterly report for the first quarter of 1990 (January through March 1990) for the Industrial Asphalt site in Pleasanton, California (Plate 1). Quarterly progress reports were requested by the Alameda County Department of Health Services in their letter to you dated 13 November 1989.

INTRODUCTION

Ten monitoring wells and one observation well have been installed onsite in order to identify the extent of the contamination plume (Plate 2). All wells have been monitored for depth to water and product thickness on a monthly basis since their installation. Collected ground water samples have been analyzed for the target compounds including total petroleum hydrocarbons (TPH) as diesel/waste oil and polychlorinated biphenyls (PCBs). Additionally, each well was sampled and analyzed once for benzene, toluene, xylenes an ethybenzene (BTXE).

Water samples were collected from the site monitoring wells MW-4, MW-5, MW-6, MW-7, MW-8 and MW-10 on the monthly basis during the first quarter of 1990 (January, February and March). Monitoring well MW-9 was sampled only in March 1990. On the sampling days in January and February 1990 this well was inaccessible for sampling. The other four wells (MW-1, MW-2, MW-3 and MW-11) were dry on the sampling days during the first quarter of 1990.

WATER LEVEL MONITORING DATA

Ground water level hydrographs for monitoring/observation wells MW-1 through MW-11 are presented on Plates 3 through 13. These plates also show free product thickness levels over time.

As indicated by the hydrographs, ground water table elevation at the site rose in January and February 1990, apparently due to rainstorms that occurred during these months. However, ground water table elevations declined in March 1990. This overall pattern of fluctuation in the first quarter of 1990 appears to correlate with the rainy season. It is also possible that ground water levels in the area are affected by water pumping (discharging) in gravel pits or by nearby high yield irrigation/industrial water wells.

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During the first quarter of 1990, sheen was observed only in one well MW-8 on 21 February 1990. These data indicate that free product thickness in the onsite monitoring wells show a consistent decreasing trend regardless of ground water table elevation.

Analytical data are presented in Table 1 and graphically on Plates 3 through 13. Complete analytical laboratory reports along with chain of custody records are available from our project files.

No detectable levels of PCBs have been detected in the ground water samples collected from site monitoring wells with the exception of MW-8 during the first quarter of 1990. Water samples collected from well MW-8 contained PCBs at concentration of 0.6 mg/l and 6.3 mg/l in January 1990 and February 1990, respectively.

Analyses on the water samples collected from wells MW-6, MW-7, MW-8 and MW-10 in February 1990 also revealed the presence of dissolved hydrocarbons as diesel/waste oil in ground water at the sampling locations. Additionally, TPH as diesel/waste oil was detected in a water sample collected from MW-8 in January 1990. Chemical analyses performed on samples obtained from the site wells in March 1990 indicate the presence of TPH as diesel in monitoring well MW-7 at concentration 0.1 mg/l.

Ground water surface contour maps developed from the data obtained during the first quarter of 1990 indicate that ground water flow was toward the northeast in January and March and toward the east in February 1990. However, the ground water gradient of about 1.3% appears to be unchanged. The surface water elevation in the gravel pit located north of the site was approximately 10 to 14 feet higher that the elevation of the ground water surface beneath the site. This may create a natural hydraulic barrier for the movement of free product or dissolved hydrocarbons, assuming the pit is not sealed off.

RI ACTIVITIES

Drilling and sampling of the soil borings at the Industrial Asphalt facility commenced on 28 February 1990. The borings were drilled using a CME-75 truck mounted drilling rig equipped with 8-inch diameter continuous hollow stem augers. However, this drilling technique had to be abandoned due to refusal by cobbles and bolders.

Therefore, it was proposed that the drilling of the soil borings be accomplished with a dual tube percussion drill rig. This rig will arrive at the Industrial Asphalt site at its earliest available date (21 May 1990). A new (updated) project schedule will be developed once the rig commences the drilling.

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

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investigation. No other representations, expressed or implied, and no warranty or guarantee is included or intended.

If you have any questions regarding this report or require additional information, please contact the undersigned.

Sincerely,

KLEINFELDER, INC.

Krzysztof (Krys) S. Jesionek,
Project Manager

Lloyd C. Venburg, R.G.
Senior Hydrogeologist

KSJ:LCV:ttf

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

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TABLE 1
MONITORING PARAMETERS
INDUSTRIAL ASPHALT

Well	Date	Depth to Water[1] (ft)	Ground Water Elevation[2] (ft)	Product Thickness (ft)	TPH as Diesel (mg/l)	TPH as Waste Oil (mg/l)	PCBs (µg/l)
MW-1	06-11-87	75.0	304.41	NE	NT	NT	NT
	07-09-87	75.9	303.51	<0.1	NT	NT	NT
	08-06-87	79.1	300.31	3.2	350	NT	5.7
	09-29-87	79.3	300.11	1.84	510[3]	NT	22[3]
	10-30-87	78.23	301.18	0.95	780[3]	NT	22[3]
	11-30-87	77.68	301.73	1.10	1800[3]	NT	56[3]
	12-21-87	79.53	299.88	2.52	55	NT	1
	01-25-88	77.88	301.53	1.63	96	NT	ND
	02-25-88	79.46	299.95	2.49	120	NT	ND
	03-18-88	81.61	297.80	2.93	3.6	NT	ND
	04-27-88	81.10	298.31	2.26	23	NT	ND
	05-20-88	82.97	296.44	2.29	NT[6]	NT	NT[6]
	06-22-88	83.48	295.93	0.93	NT	NT	NT
	07-26-88	85.78	293.63	0.99	NT	NT	NT
	08-11-88[5]	84.55	294.86	0.05	NT	NT	NT
	08-15-88[5]	87.90	291.51	0.05	NT	NT	NT
	08-26-88	84.80	294.61	0.05	NT	NT	NT
	10-04-88	84.84	294.57	0.11	NT	NT	NT
	10-28-88	84.94	294.47	0.04	NT	NT	NT
	12-22-88	84.92	294.49	TRACE	NT	NT	NT
	01-26-89	DRY	NA	NE	NT	NT	NT
	03-02-89	84.74	294.67	NE	NT	NT	NT
	04-07-89	DRY	NA	NE	NT	NT	NT
	05-08-89	DRY	NA	NE	NT	NT	NT
	06-01-89	DRY	NA	NE	NT	NT	NT
	07-05-89	DRY	NA	NE	NT	NT	NT
	08-15-89	DRY	NA	NE	NT	NT	NT
	09-25-89	68.56	310.85	0.04	130	37	1.6
	10-17-89	DRY	NA	NE	NT	NT	NT
	11-28-89	DRY	NA	NE	NT	NT	NT
	12-27-89	DRY	NA	NE	NT	NT	NT
	01-22-90	DRY	NA	NE	NT	NT	NT
	02-21-90	DRY	NA	NE	NT	NT	NT
	03-21-90	DRY	NA	NE	NT	NT	NT

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TABLE 1 (continued)
MONITORING PARAMETERS
INDUSTRIAL ASPHALT

Well	Date	Depth to Water[1] (ft)	Ground Water Elevation[2] (ft)	Product Thickness (ft)	TPH as Diesel (mg/l)	TPH as Waste Oil (mg/l)	PCBs (µg/l)
MW-2	08-06-87	NE	NA	14.0	NT	NT	NT
	09-29-87	NE	NA	12.05	NT	NT	NT
	10-30-87	82.67	297.04	5.34	1100[3]	NT	14[3]
	11-30-87	84.12	295.68	7.79	1100[3]	NT	33[3]
	12-21-87	84.28	295.52	7.31	27	NT	2
	01-25-88	84.26	295.54	8.07	150	NT	ND
	02-25-88	84.21	295.59	7.28	15	NT	ND
	03-18-88	86.18	293.62	7.56	3.6	NT	ND
	04-27-88	85.57	294.23	5.64	6.1	NT	ND
	05-20-88	88.48	291.32	6.93	NT[6]	NT	NT[6]
	06-22-88	87.30	292.50	4.52	NT	NT	NT
	07-26-88	NE	NA	5.02[4]	NT	NT	NT
	08-11-88[5]	88.70	291.10	1.40	NT	NT	NT
	08-15-88[5]	88.05	291.75	0.35	NT	NT	NT
	08-26-88	88.35	291.45	0.10	NT	NT	NT
	10-04-88	89.46	290.34	0.03	NT	NT	NT
	11-28-88	NE	NA	NE	NT	NT	NT
	12-22-88	89.10	290.70	NE	NT	NT	NT
	01-26-89	87.83	291.97	SHEEN	NT	NT	NT
	03-02-89	87.55	292.25	0.02	NT	NT	NT
	04-07-89	86.68	293.12	0.01	NT	NT	NT
	05-08-89	DRY	NA	NE	NT	NT	NT
	06-01-89	DRY	NA	NE	NT	NT	NT
	07-05-89	DRY	NA	NE	NT	NT	NT
	08-15-89	DRY	NA	NE	NT	NT	NT
	09-25-89	71.39	308.41	SHEEN	100	43	3.5
	10-17-89	DRY	NA	NE	NT	NT	NT
	11-28-89	DRY	NA	NE	NT	NT	NT
	12-27-89	DRY	NA	NE	NT	NT	NT
	01-22-90	DRY	NA	NE	NT	NT	NT
	02-21-90	DRY	NA	NE	NT	NT	NT
	03-21-90	DRY	NA	NE	NT	NT	NT

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TABLE 1 (continued)
MONITORING PARAMETERS
INDUSTRIAL ASPHALT

Well	Date	Depth to Water[1] (ft)	Ground Water Elevation[2] (ft)	Product Thickness (ft)	TPH as Diesel (mg/l)	TPH as Waste Oil (mg/l)	PCBs (µg/l)
MW-3	08-06-87	75.00	303.54	NE	0.6	NT	ND
	09-29-87	78.77	299.77	1.84	7.6	NT	2.7
	10-30-87	78.44	300.10	2.11	1100[3]	NT	24[3]
	11-30-87	77.76	300.78	2.22	340[3]	NT	62[3]
	12-21-87	77.88	300.66	1.68	46	NT	2
	01-25-88	76.88	301.66	1.21	27	NT	ND
	02-25-88	77.80	300.74	1.60	6	NT	ND
	03-18-88	80.50	298.04	2.59	3.8	NT	ND
	04-27-88	79.40	299.14	1.32	4.5	NT	ND
	05-20-88	81.48	297.06	1.73	14	NT	4.7
	06-22-88	82.14	296.40	0.53	44	NT	4.3
	07-26-88	84.36	294.18	0.54	NT[6]	NT	NT[6]
	08-11-88[5]	86.45	292.09	0.50	NT	NT	NT
	08-15-88[5]	86.74	291.80	0.44	NT	NT	NT
	08-26-88	87.18	291.36	0.28	NT	NT	NT
	10-04-88	88.72	289.82	0.30	NT	NT	NT
	10-28-88	89.49	289.05	0.29	NT	NT	NT
	12-22-88	84.74	293.80	0.02	NT	NT	NT
	01-26-89	86.57	291.97	SHEEN	NT	NT	NT
	03-02-89	86.26	292.28	0.02	NT	NT	NT
	04-07-89	85.31	293.23	SHEEN	NT	NT	NT
	05-08-89	88.35	290.19	SHEEN	NT	NT	NT
	06-01-89	89.67	288.87	SHEEN	NT	NT	NT
	07-05-89	89.52	289.02	SHEEN	NT	NT	NT
	08-15-89	DRY	NA	NE	NT	NT	NT
	09-25-89	70.30	307.24	SHEEN	120	58	3.6
	10-17-89	DRY	NA	NE	NT	NT	NT
	11-28-89	DRY	NA	NE	NT	NT	NT
	12-27-89	DRY	NA	NE	NT	NT	NT
	01-22-90	DRY	NA	NE	NT	NT	NT
	02-21-90	DRY	NA	NE	NT	NT	NT
	03-21-90	DRY	NA	NE	NT	NT	NT

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TABLE 1 (continued)
MONITORING PARAMETERS
INDUSTRIAL ASPHALT

Well	Date	Depth to Water[1] (ft)	Ground Water Elevation[2] (ft)	Product Thickness (ft)	TPH as Diesel (mg/l)	TPH as Waste Oil (mg/l)	PCBs (µg/l)
MW-4	04-08-88	76.59	299.67	NE	ND	NT	ND
	04-27-88	75.96	300.30	NE	NT	NT	NT
	05-20-88	77.71	298.55	NE	ND	NT	NT
	06-22-88	79.41	296.85	NE	ND	NT	ND
	07-26-88	81.74	294.52	NE	ND	NT	ND
	08-11-88[5]	83.80	292.46	NE	NT	NT	NT
	08-15-88[5]	84.06	292.20	NE	NT	NT	NT
	08-26-88	84.62	291.64	NE	ND	NT	ND
	10-04-88	86.16	290.10	NE	ND	NT	ND
	10-28-88	87.02	289.24	NE	0.46	NT	ND
	12-22-88	85.42	290.84	NE	0.6	NT	ND
	01-26-89	84.20	292.06	NE	ND	NT	ND
	03-02-89	84.06	292.20	NE	ND	ND	ND
	04-07-89	83.22	293.04	NE	ND	ND	ND
	05-08-89	86.18	290.08	NE	NT	NT	NT
	06-01-89	87.78	288.48	NE	ND	ND	ND
	07-05-89	89.86	286.40	NE	ND	ND	ND
	08-15-89	90.68	285.58	NE	ND	ND	ND
	09-25-89	69.68	306.58	NE	2.7	ND	ND
	10-17-89	89.69	286.57	NE	ND	0.7	ND
	11-28-89	92.01	284.25	NE	ND	ND	ND
	12-27-89	93.50	282.76	NE	ND	ND	ND
	01-22-90	91.54	284.72	NE	ND	ND	ND
	02-21-90	88.04	288.22	NE	ND	ND	ND
	03-21-90	89.02	287.24	NE	ND	ND	ND
MW-5	04-08-88	86.76	295.79	NE	ND	NT	ND
	04-27-88	82.34	300.21	NE	NT	NT	NT
	05-20-88	84.38	298.17	NE	ND	NT	ND
	07-26-88	88.84	293.71	NE	ND	NT	ND
	08-11-88[5]	91.70	290.85	NE	NT	NT	NT
	08-15-88[5]	91.94	290.61	NE	NT	NT	NT
	08-26-88	92.88	289.67	NE	ND	NT	ND
	10-04-88	95.65	286.90	NE	ND	NT	ND
	10-28-88	97.32	285.23	NE	ND	NT	ND
	12-22-88	90.64	291.91	NE	ND	NT	ND
	01-26-89	91.29	291.26	NE	ND	NT	ND
	03-02-89	88.58	293.97	NE	ND	ND	ND
	04-07-89	87.95	294.60	NE	ND	ND	ND
	05-08-89	91.56	290.99	NE	NT	NT	NT
	06-01-89	94.85	287.70	NE	ND	ND	ND
	07-05-89	96.91	285.64	NE	ND	ND	ND
	08-15-89	98.93	283.62	NE	ND	ND	ND
	09-25-89	66.51	316.04	NE	0.7[7]	ND	ND
	10-17-89	98.83	283.72	NE	ND	ND	ND

TABLE 1 (continued)
MONITORING PARAMETERS
INDUSTRIAL ASPHALT

Well	Date	Depth to Water[1] (ft)	Ground Water Elevation[2] (ft)	Product Thickness (ft)	TPH as Diesel (mg/l)	TPH as Waste Oil (mg/l)	PCBs (µg/l)
	11-28-89	98.09	284.46	NE	ND	ND	ND
	12-27-89	98.09	284.46	NE	ND	ND	ND
	12-27-89	>100	<282.55	NE	ND	ND	ND
	01-21-90	101.97	280.58	NE	ND	ND	ND
	02-21-90	86.53	296.02	NE	ND	ND	ND
	03-21-90	99.34	283.21	NE	ND	ND	ND
MW-6	06-22-88	82.11	297.04	NE	17	NT	ND
	07-01-88	82.38	296.77	SHEEN	ND	NT	ND
	07-26-88	84.37	294.78	SHEEN	ND	NT	ND
	08-11-88[5]	86.46	292.69	SHEEN	NT	NT	NT
	08-15-88[5]	86.78	292.37	SHEEN	NT	NT	NT
	08-26-88	87.35	291.80	SHEEN	ND	NT	ND
	10-04-88	88.90	290.25	NE	ND	NT	ND
	10-28-88	89.72	289.43	NE	ND	NT	ND
	12-22-88	87.94	291.21	NE	9.3	NT	ND
	01-26-89	86.95	292.20	NE	ND	NT	ND
	03-02-89	85.91	293.24	NE	ND	ND	ND
	04-07-89	85.57	293.58	NE	ND	ND	ND
	05-08-89	88.60	290.55	NE	NT	NT	NT
	06-01-89	90.30	288.85	NE	ND	ND	ND
	07-05-89	92.35	286.80	NE	ND	ND	ND
	08-15-89	93.28	285.87	NE	ND	ND	ND
	09-25-89	70.24	308.91	NE	ND	0.6	ND
	10-17-89	91.98	287.17	NE	ND	ND	ND
	11-28-89	94.22	284.93	NE	ND	ND	ND
	12-27-89	95.90	283.25	NE	ND	ND	ND
	01-22-90	94.00	285.15	NE	ND	ND	ND
	02-21-90	88.99	290.16	NE	0.5	ND	ND
	03-21-90	91.13	288.02	NE	ND	ND	ND
MW-7	06-22-88	82.20	296.74	NE	140	NT	ND
	07-01-88	82.60	296.34	SHEEN	17	NT	ND
	07-26-88	84.65	294.29	SHEEN	ND	NT	ND
	08-11-88[5]	86.94	292.00	SHEEN	NT	NT	NT
	08-15-88[5]	87.27	291.67	NE	NT	NT	NT
	08-26-88	88.02	290.92	SHEEN	ND	NT	ND
	10-04-88	84.80	294.14	NE	ND	NT	ND
	10-28-88	90.76	288.18	NE	1.4	NT	ND
	12-22-88	88.05	290.89	NE	1.0	NT	ND
	01-26-89	87.21	291.73	NE	ND	NT	ND
	03-02-89	86.49	292.45	NE	22	9	ND
	04-07-89	84.97	293.97	NE	4	ND	ND
	05-08-89	88.39	290.55	NE	NT	NT	NT

TABLE 1 (continued)
MONITORING PARAMETERS
INDUSTRIAL ASPHALT

Well	Date	Depth to Water[1] (ft)	Ground Water Elevation[2] (ft)	Product Thickness (ft)	TPH as Diesel (mg/l)	TPH as Waste Oil (mg/l)	PCBs (µg/l)
	06-01-89	91.56	287.38	NE	ND	ND	ND
	07-05-89	92.75	286.19	NE	1.6	ND	ND
	08-15-89	94.28	284.66	NE	0.5	ND	ND
	09-25-89	67.40	311.54	SHEEN	2	0.9	ND
	10-17-89	93.40	285.54	NE	1.2	ND	ND
	11-28-89	94.90	284.04	NE	0.6	ND	ND
	12-27-89	98.42	280.52	NE	ND	ND	ND
	01-22-90	96.32	282.62	NE	ND	ND	ND
	02-21-90	85.40	293.54	NE	4.7	2.3	ND
	03-21-90	93.23	285.71	NE	0.1	ND	ND
MW-8	06-22-88	81.70	296.86	NE	NT	NT	NT
	07-01-88	82.00	296.56	SHEEN	ND	NT	ND
	07-26-88	86.19	292.37	2.44	87	NT	ND
	08-11-88[5]	87.22	291.34	1.27	NT	NT	NT
	08-15-88[5]	87.02	291.54	2.12	NT	NT	NT
	08-26-88	87.40	291.16	0.75	ND	NT	1.2
	10-04-88	88.93	289.63	0.43	NT[6]	NT	NT[6]
	10-28-88	89.71	288.85	0.37	NT	NT	NT
	12-22-88	87.70	290.86	0.13	NT	NT	NT
	01-26-89	86.52	292.04	SHEEN	NT	NT	NT
	03-02-89	86.30	292.26	0.01	NT	NT	NT
	04-07-89	86.41	292.15	0.01	NT	NT	NT
	05-08-89	88.45	290.11	0.01	NT	NT	NT
	06-01-89	90.29	288.27	0.02	81	ND	5
	07-05-89	92.22	286.34	0.03	8.8	4.2	ND
	08-15-89	93.08	285.48	SHEEN	12	6	0.9
	09-25-89	84.18[8]	294.38[8]	SHEEN	3.3	2	ND
	10-17-90	92.04	286.52	SHEEN	17	6.7	0.7
	11-28-89	94.40	284.16	NE	ND	ND	ND
	12-27-89	95.97	282.59	NE	0.4	ND	ND
	01-22-90	94.03	284.53	NE	6.6	6.1	0.6
	02-21-90	89.92	288.64	SHEEN	130	ND	6.3
	03-21-90	91.35	287.21	NE	ND	ND	ND
MW-9[6]	08-15-89	92.95	284.45	NE	ND	ND	ND
	09-25-89	64.12	313.28	SHEEN	0.3[7]	ND	ND
	10-17-89	92.72	284.68	NE	NT	NT	NT
	11-28-89	NC	NA	NT	NT	NT	NT
	12-27-89	97.17	280.23	NE	ND	ND	ND
	01-22-90	NC	NA	NA	NT	NT	NT
	02-21-90	NC	NA	NA	NT	NT	NT
	03-21-90	92.95	284.45	NE	ND	ND	ND

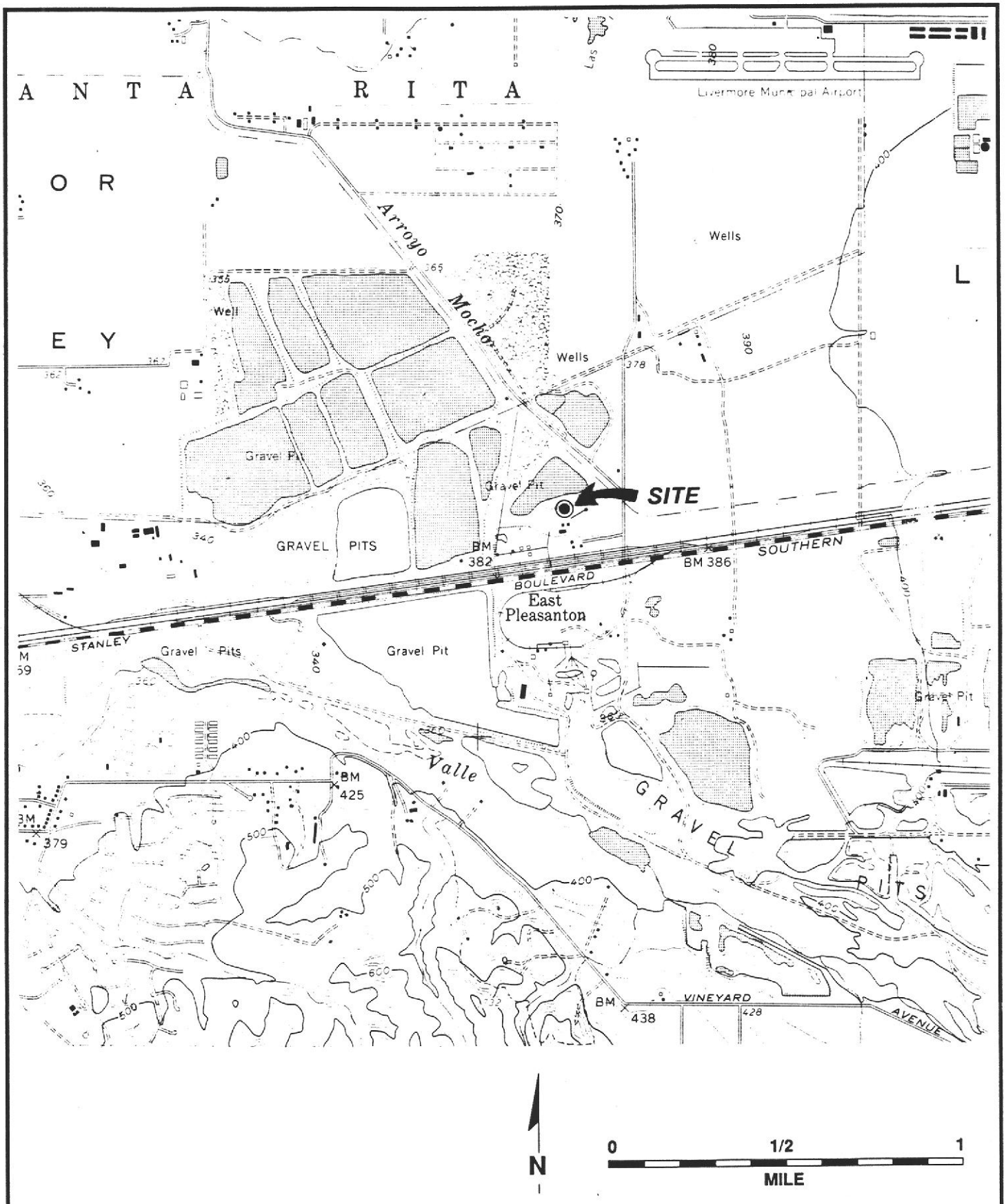
TABLE 1 (continued)
MONITORING PARAMETERS
INDUSTRIAL ASPHALT

Well	Date	Depth to Water[1] (ft)	Ground Water Elevation[2] (ft)	Product Thickness (ft)	TPH as Diesel (mg/l)	TPH as Waste Oil (mg/l)	PCBs (µg/l)
MW-10[7]	08-15-89	92.40	285.64	NE	ND	ND	ND
	09-25-89	70.62	307.42	NE	ND	ND	ND
	10-17-89	91.14	286.90	NE	ND	ND	ND
	11-28-89	93.35	284.69	NE	ND	ND	ND
	12-27-89	94.70	283.34	NE	ND	ND	ND
	01-22-90	92.86	285.18	NE	ND	ND	ND
	02-21-90	89.30	288.74	NE	0.5	ND	ND
	03-21-90	90.36	287.68	NE	ND	ND	ND
MW-11[8]	08-15-89	DRY	NA	NE	NT	NT	NT
	09-25-89	71.35	307.67	SHEEN	5.8	ND	ND
	10-17-89	DRY	NA	NE	NT	NT	NT
	11-28-89	DRY	NA	NE	NT	NT	NT
	12-27-89	DRY	NA	NE	NT	NT	NT
	01-22-90	DRY	NA	NE	NT	NT	NT
	02-21-90	DRY	NA	NE	NT	NT	NT
	03-21-90	DRY	NA	NE	NT	NT	NT
SG	09-25-89	1.10[9]	301.10[10]	NA	NA	NA	NA
	10-17-89	0.40[9]	300.40[10]	NA	NA	NA	NA
	11-28-89	1.50[9]	301.50[10]	NA	NA	NA	NA
	12-27-89	1.60[9]	310.60[10]	NA	NA	NA	NA
	01-22-90	0.65[9]	300.65[10]	NA	NA	NA	NA
	02-21-90	0.11[9]	300.11[10]	NA	NA	NA	NA
	03-21-90	-2.87[9]	297.13[10]	NA	NA	NA	NA

NOTES:

(1) Below top of casing
(2) Feet Above Mean Sea level (USGS Datum)
(3) These samples may have been contaminated; analytical results may therefore be suspect.
(4) Minimum thickness of product based on no water encountered within total depth of well.
(5) Pre- and post- well skimming demonstration; approximately two gallons of product skimmed from wells MW-2 and MW-8 on 08-11-88
(6) Sampling of ground water in wells MW-1, MW-2, MW-3, and MW-8 terminated due to the presence of free product in these wells
(7) "Weathered diesel" (includes higher molecular weight hydrocarbons that those typically contained in a diesel fuel)
(8) Measurement taken on September 18, 1989
(9) Reading on the staff gauge
(10) Surface water elevation in the pit (USGS Datum)

TPH Total Petroleum Hydrocarbons
PCBs Polychlorinated Biphenyls (as Aroclor 1260)
NE Not Encountered
ND Not Detected at or above laboratory detection limits
NA Not Applicable
SG Staff Gauge
NC Not Accessible



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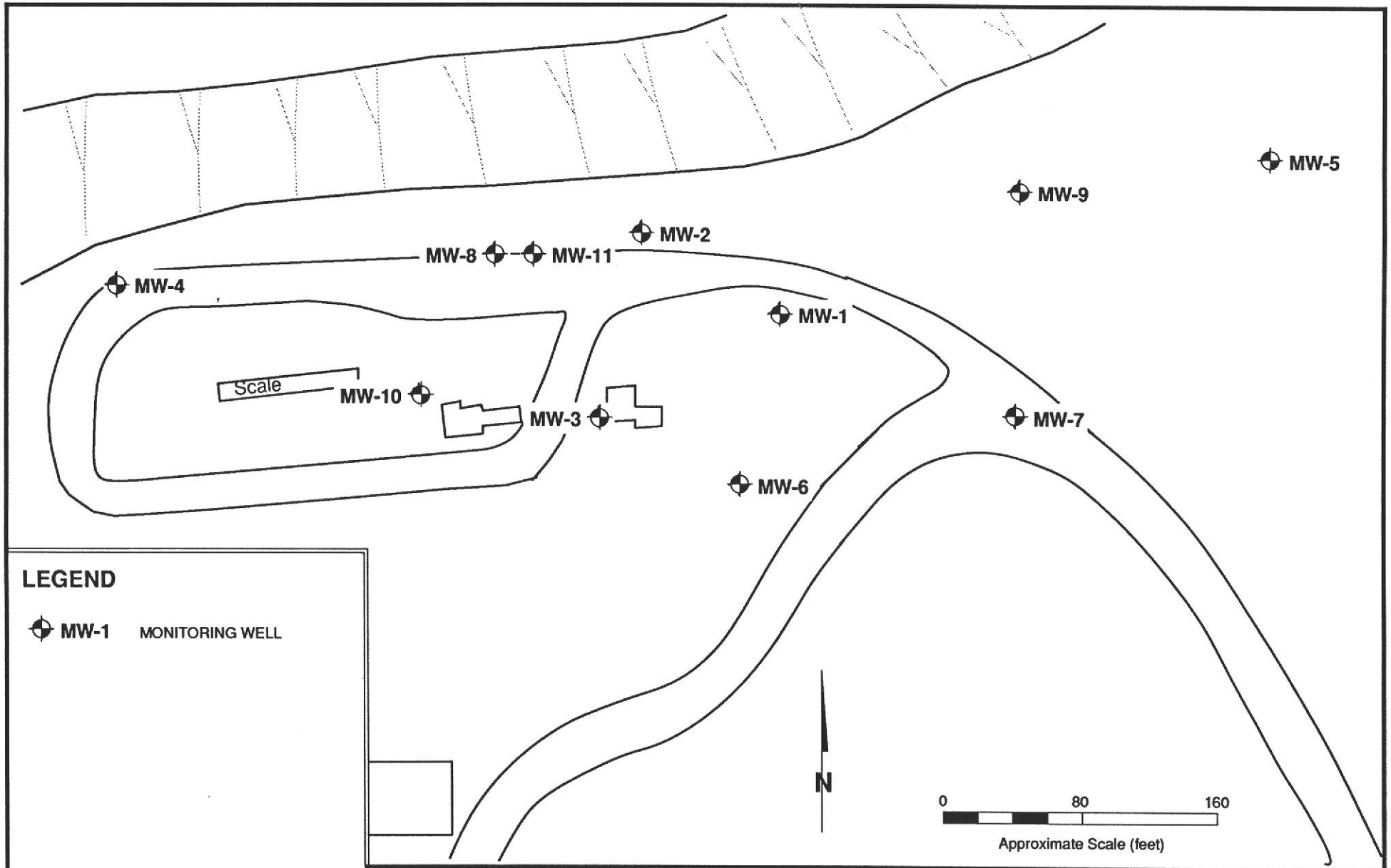
PROJECT NO. 10-1682-03

SITE LOCATION MAP

INDUSTRIAL ASPHALT
PLEASANTON, CALIFORNIA

PLATE
1



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DRAFTED BY: L. Sue DATE: 5-15-90

CHECKED BY: K. Jesionek DATE: 5-15-90

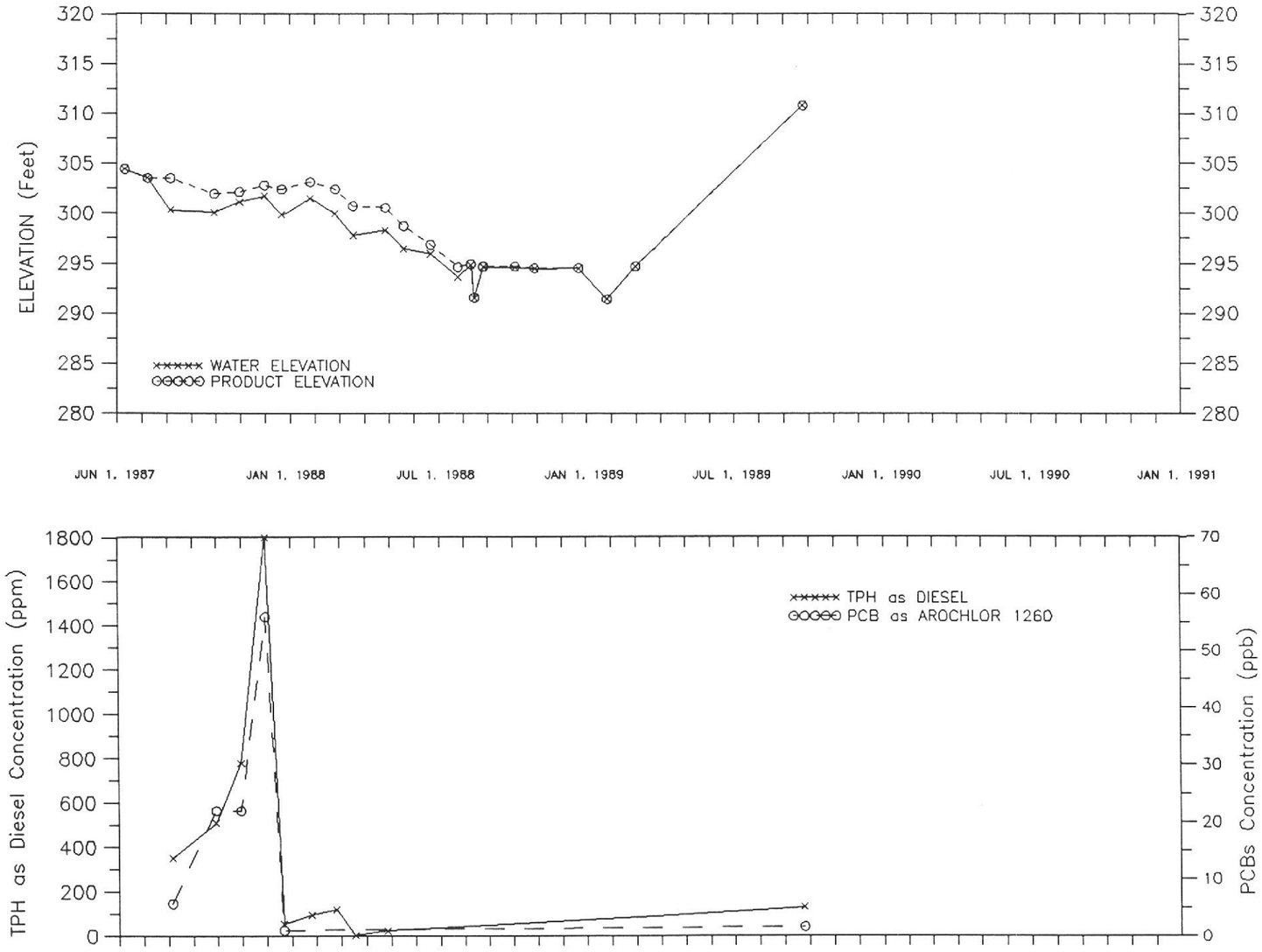
MONITORING WELL LOCATIONS

INDUSTRIAL ASPHALT
PLEASANTON, CALIFORNIA

PROJECT NO. 10-1682-03

PLATE

2



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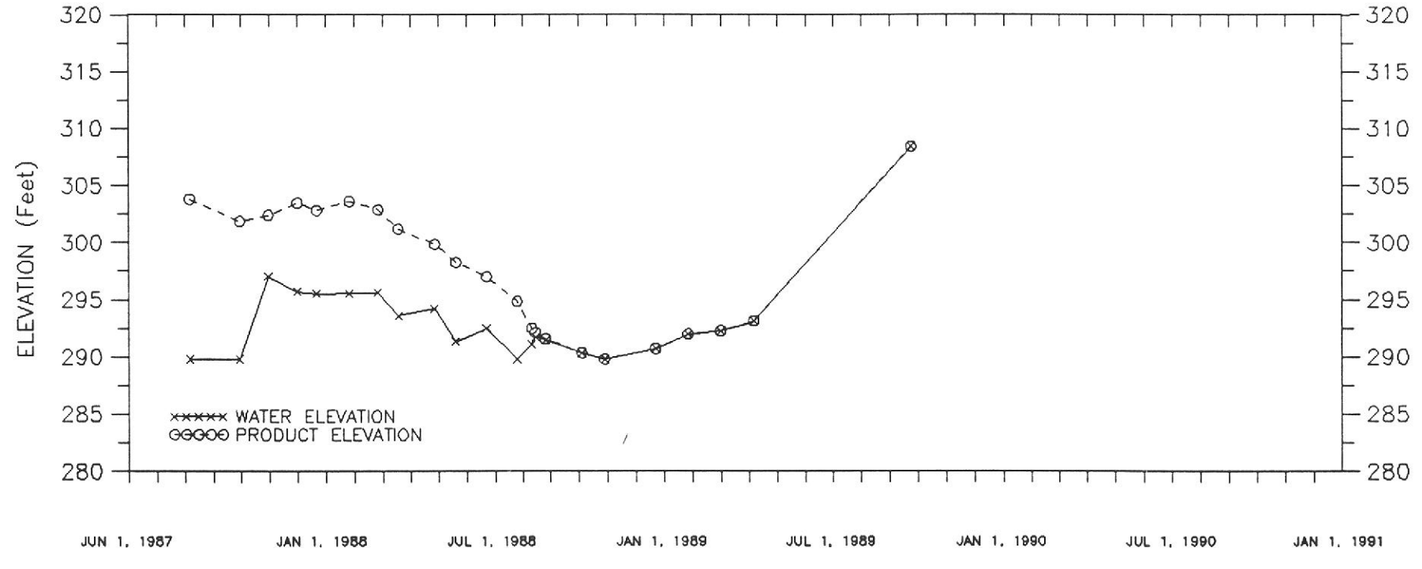
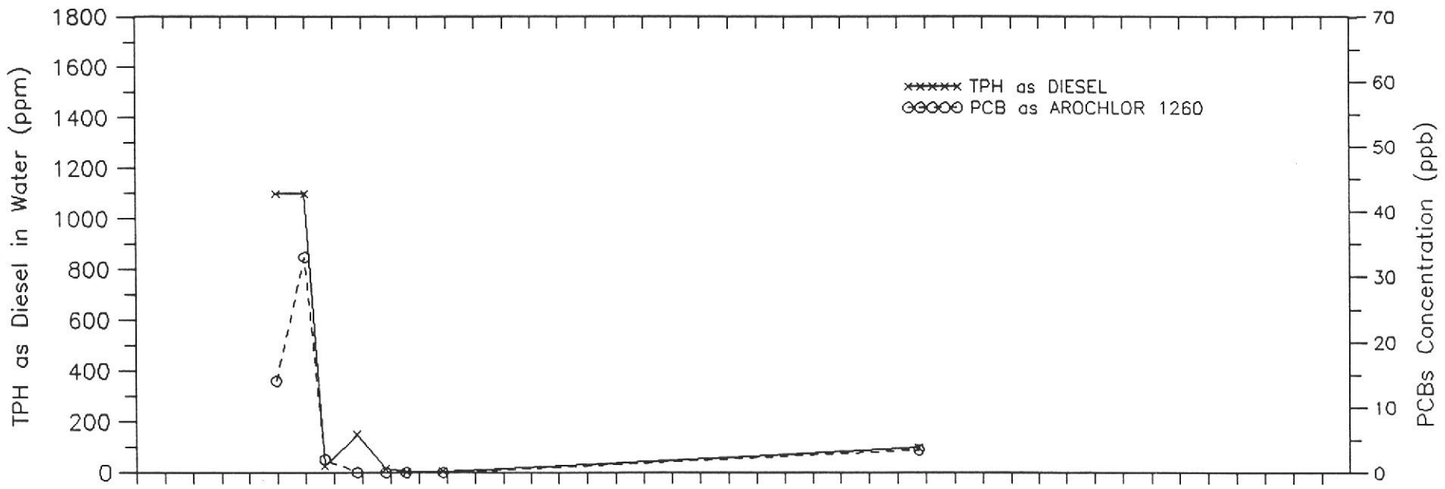
MONITORING DATA FOR WELL MW-1

INDUSTRIAL ASPHALT
PLEASANTON, CALIFORNIA

PLATE 3





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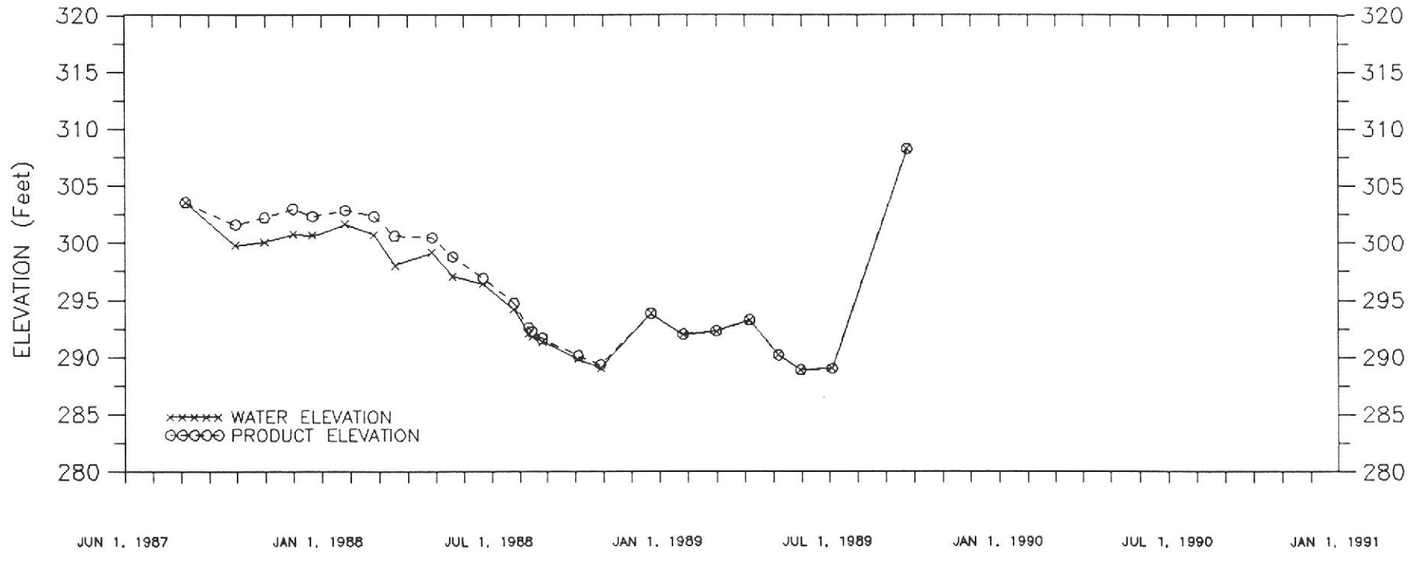
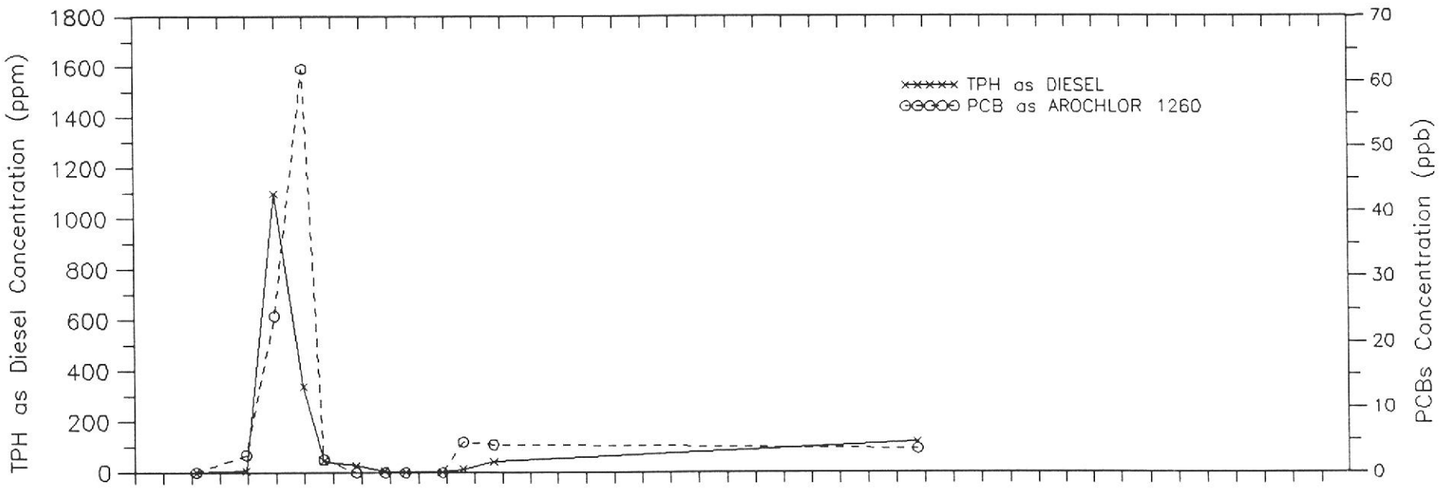
MONITORING DATA FOR WELL MW-2

INDUSTRIAL ASPHALT
PLEASANTON, CALIFORNIA

PLATE 4





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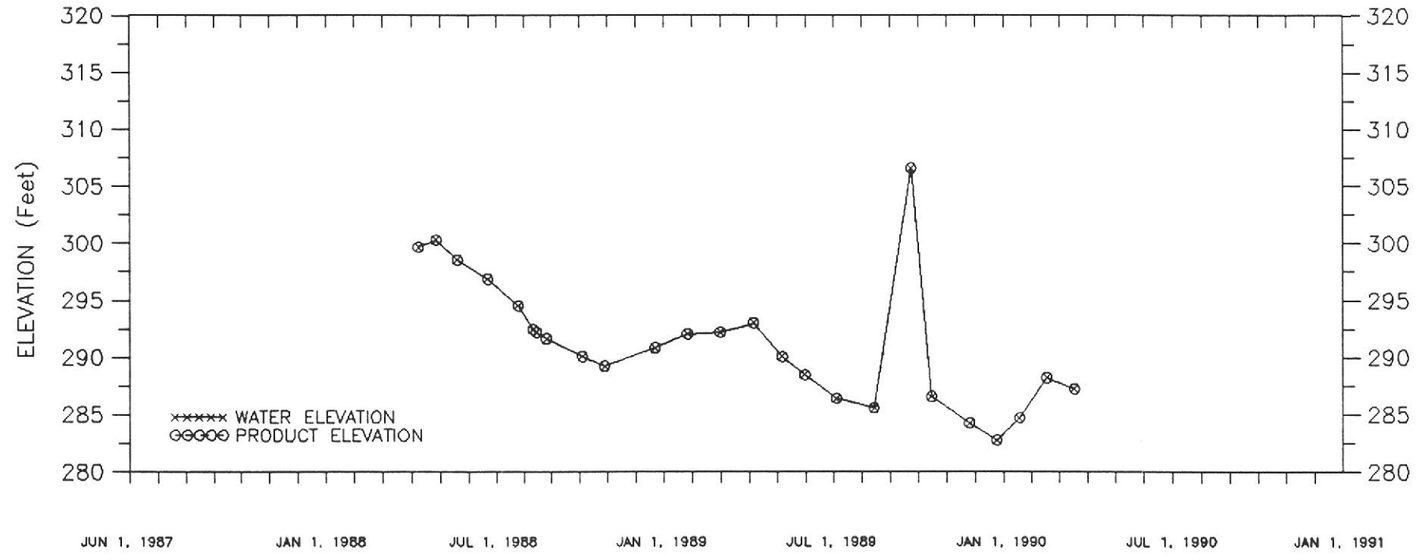
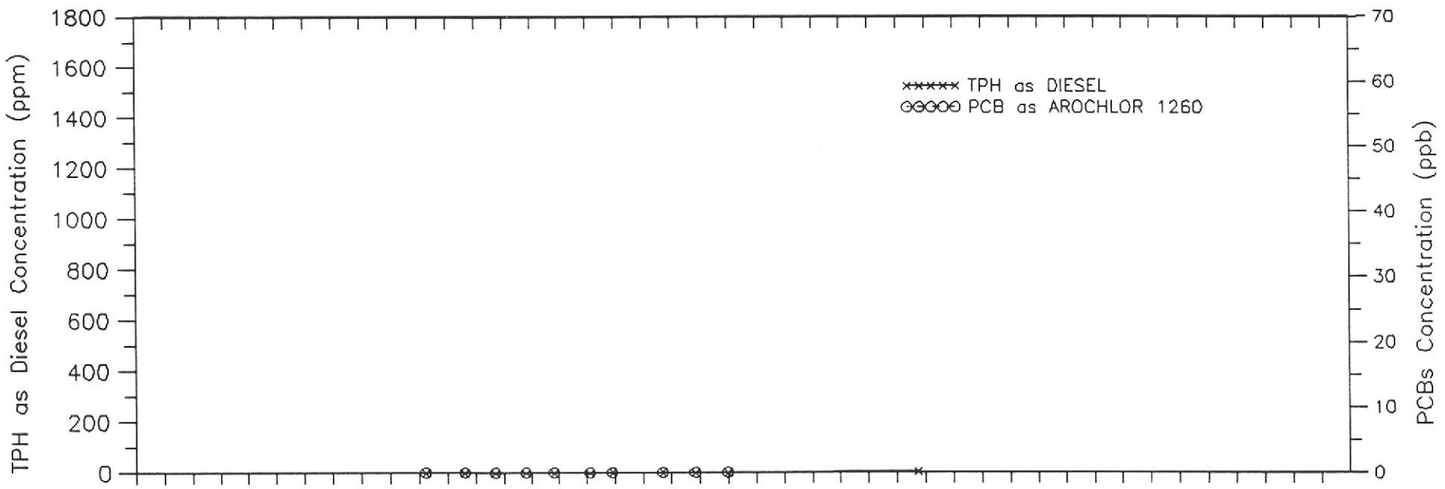
MONITORING DATA FOR WELL MW-3

INDUSTRIAL ASPHALT
PLEASANTON, CALIFORNIA

PLATE 5





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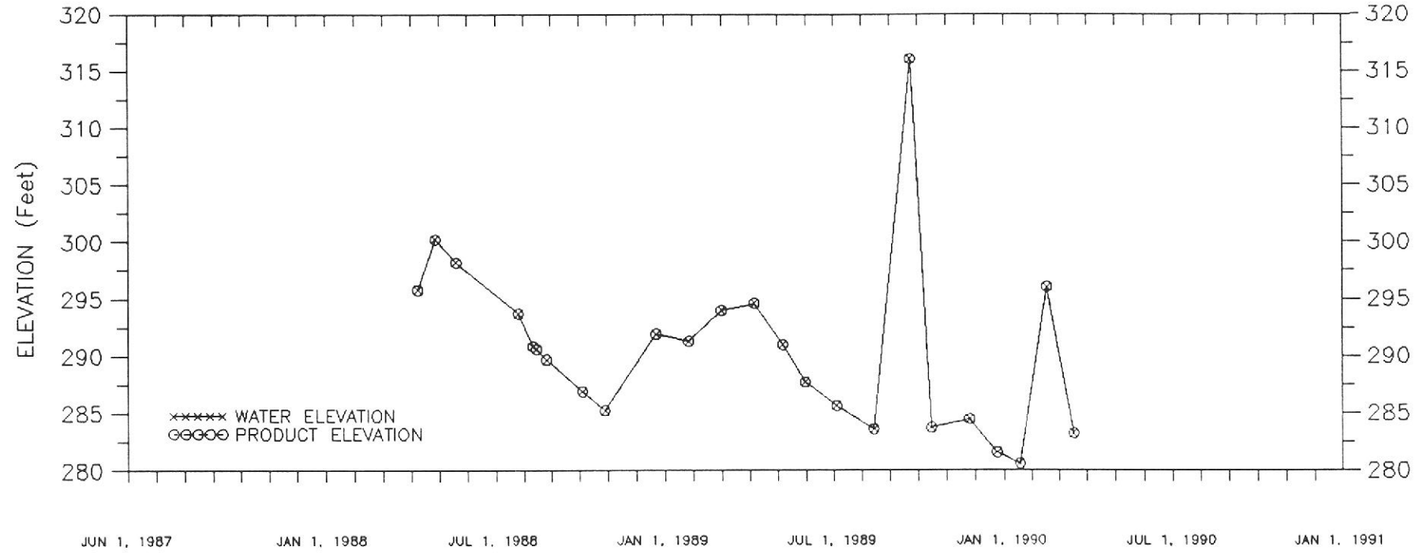
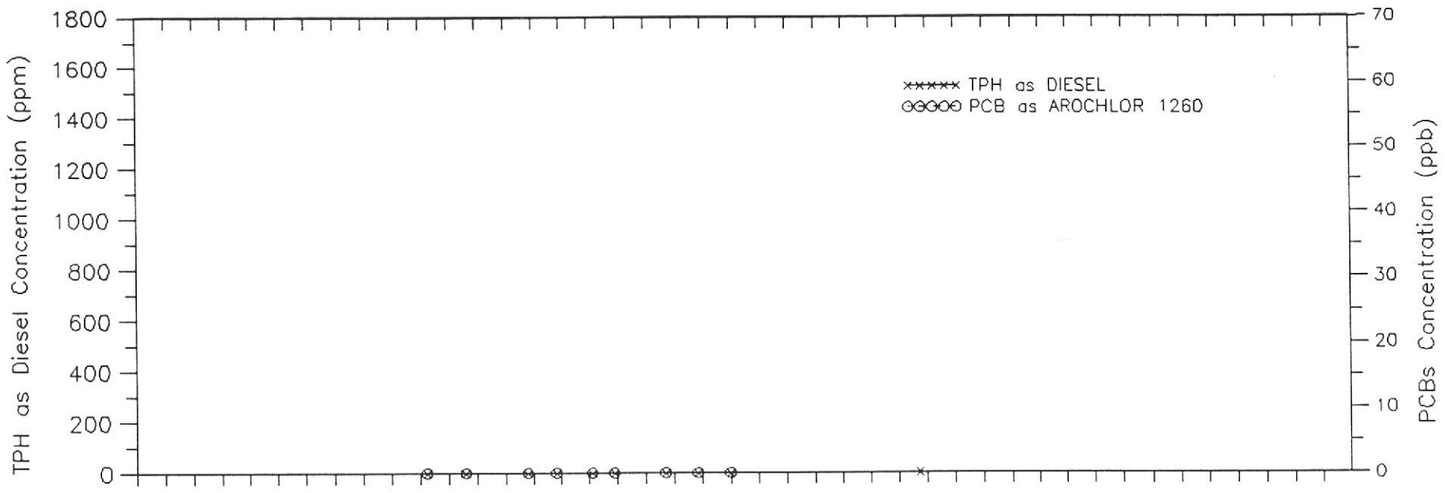
MONITORING DATA FOR WELL MW-4

INDUSTRIAL ASPHALT
PLEASANTON, CALIFORNIA

PLATE 6





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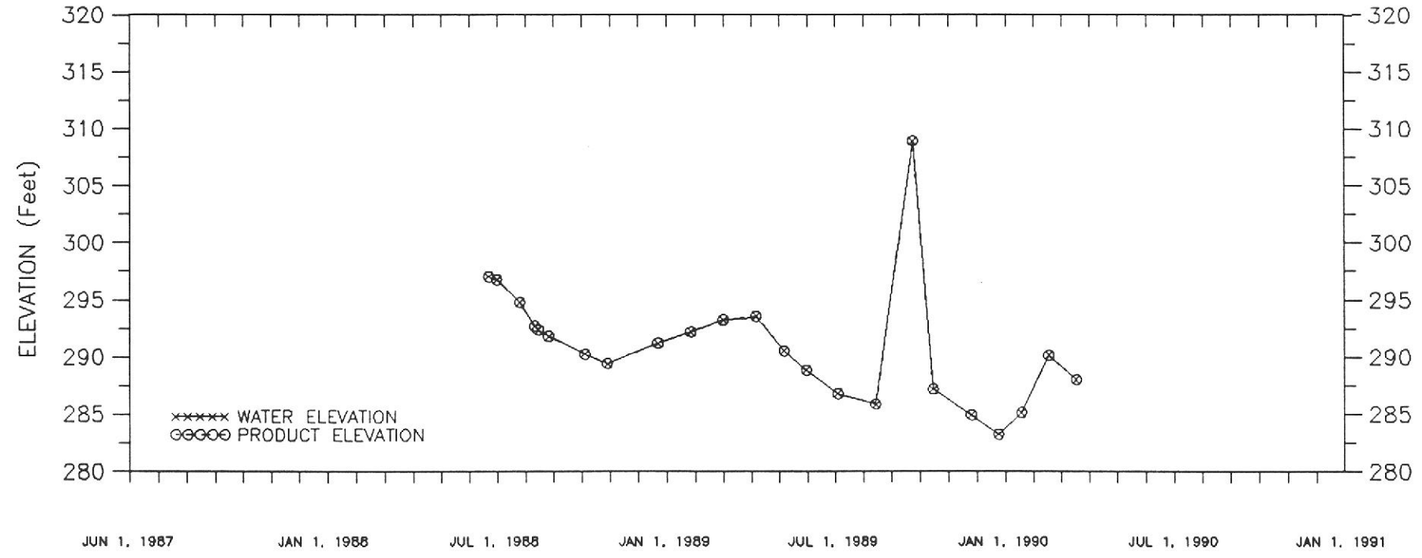
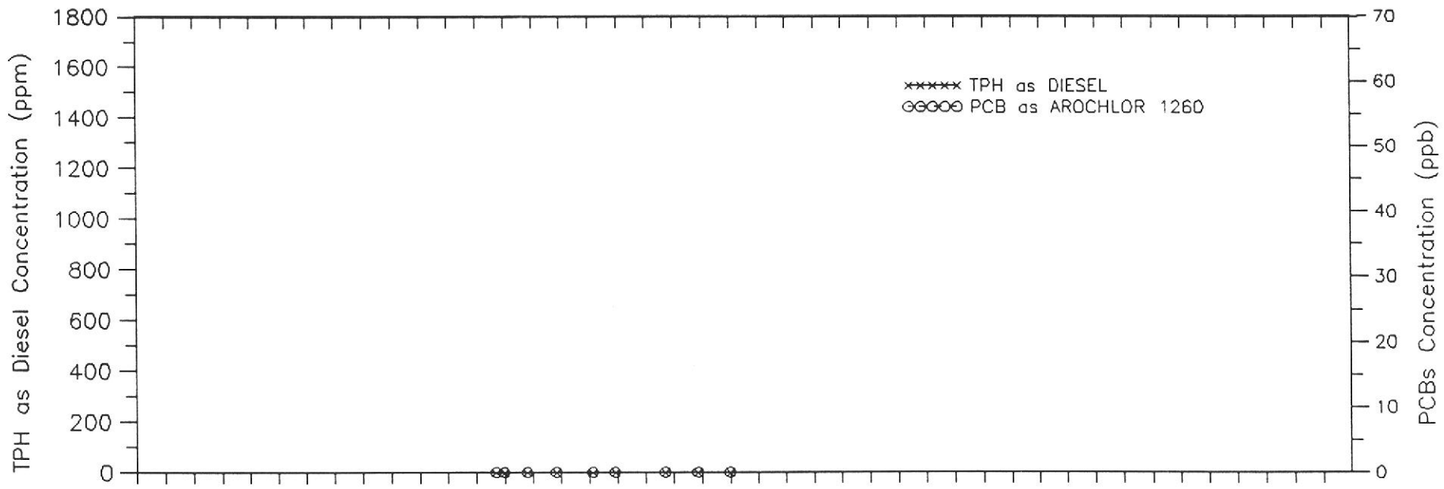
MONITORING DATA FOR WELL MW-5

INDUSTRIAL ASPHALT
PLEASANTON, CALIFORNIA

PLATE 7





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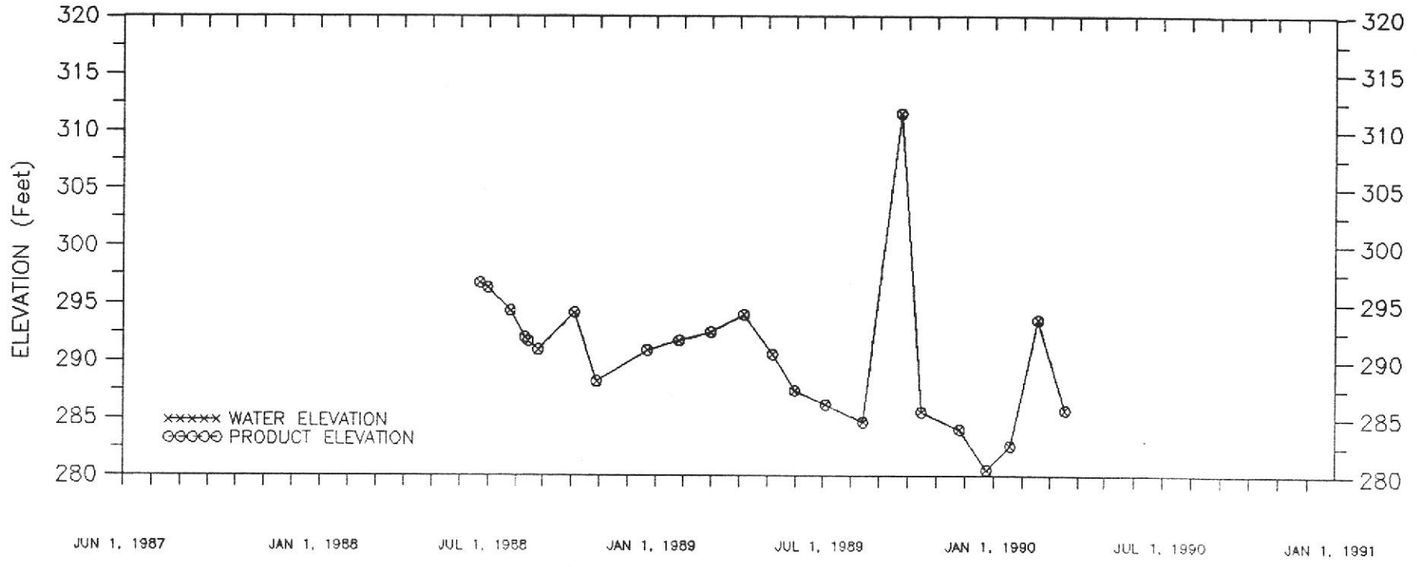
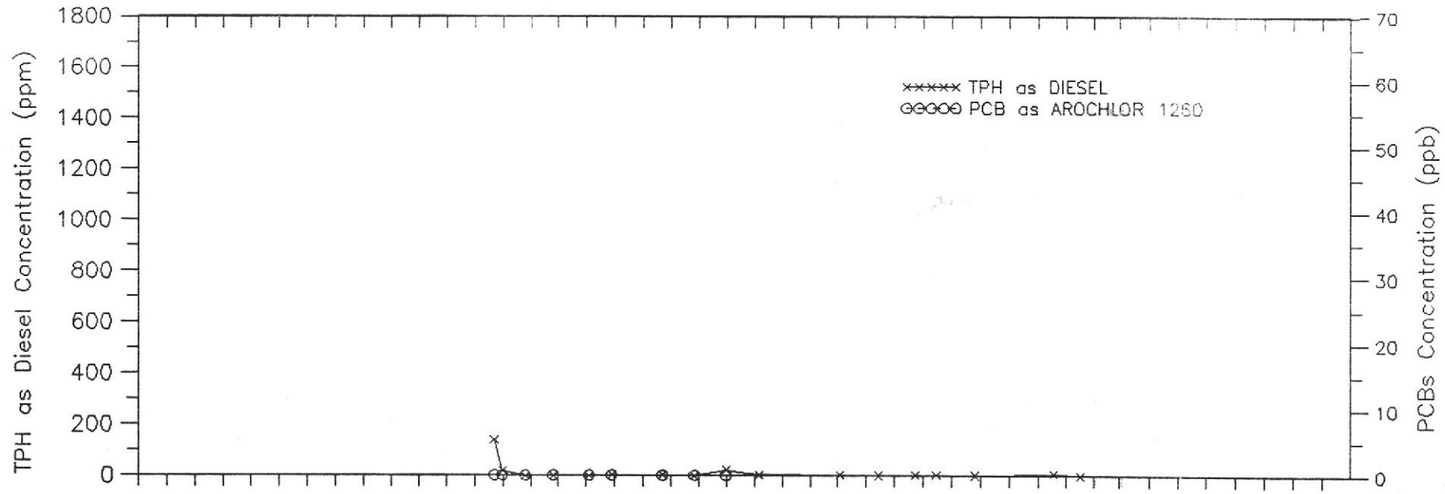
MONITORING DATA FOR WELL MW-6

INDUSTRIAL ASPHALT
PLEASANTON, CALIFORNIA

PLATE 8





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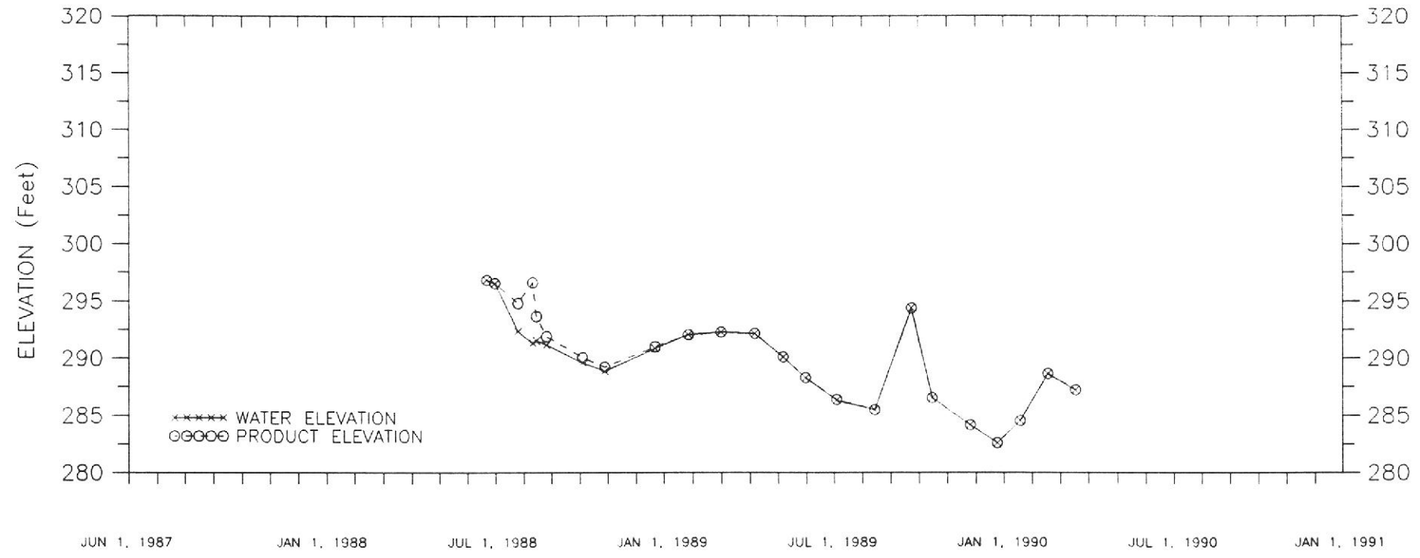
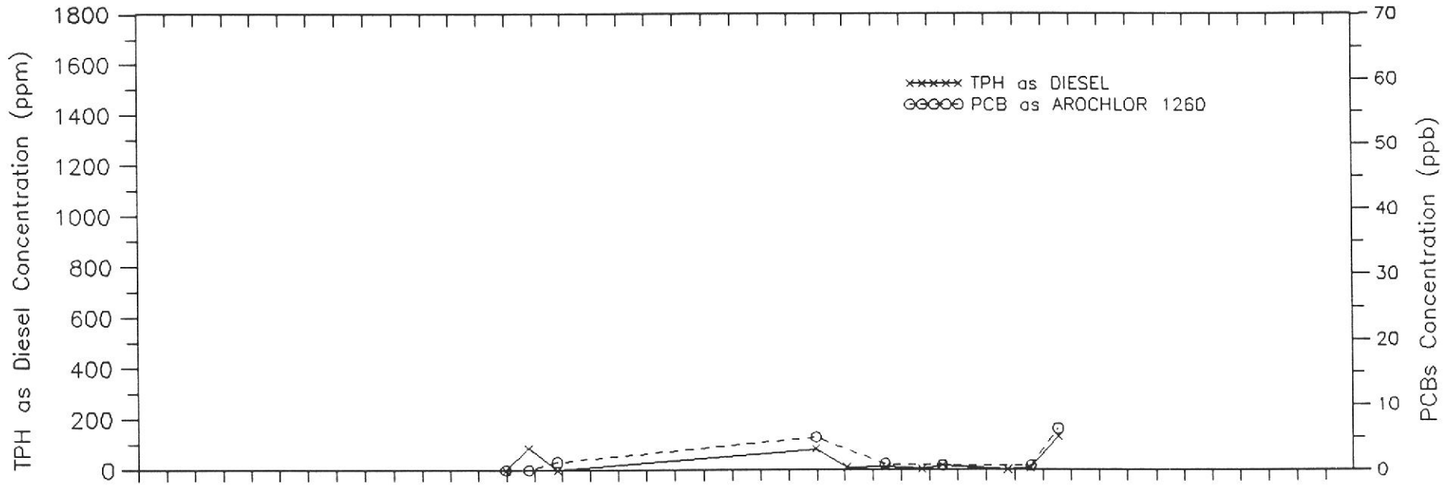
MONITORING DATA FOR WELL MW-7

INDUSTRIAL ASPHALT
PLEASANTON, CALIFORNIA

PLATE 9

M-7





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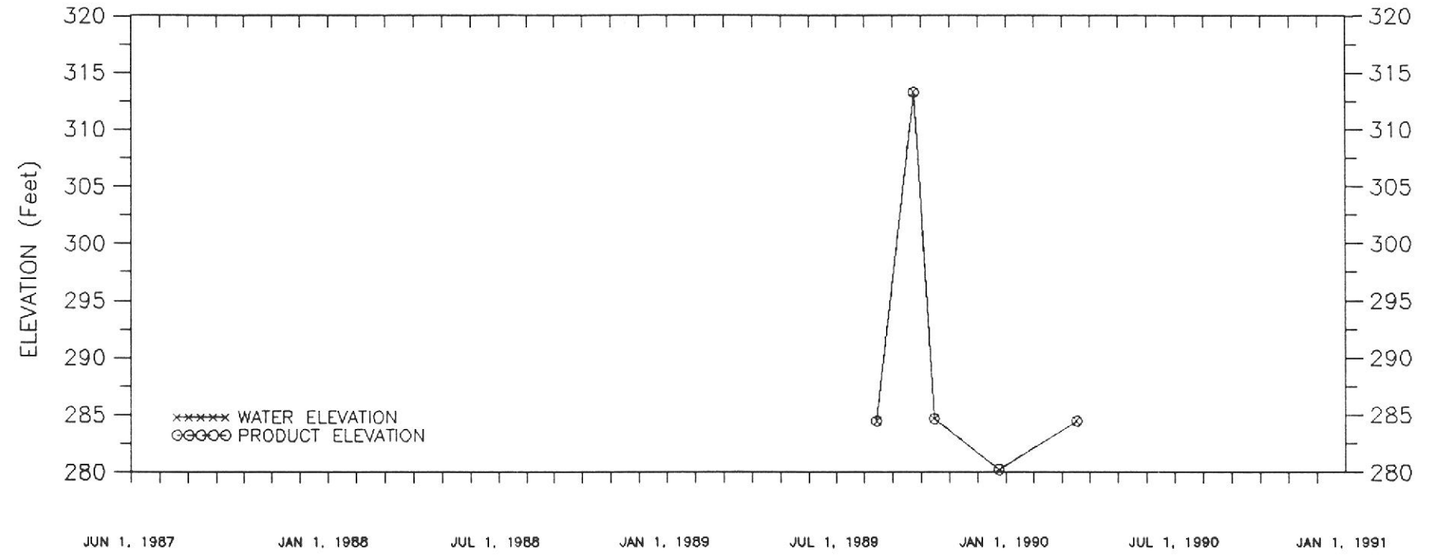
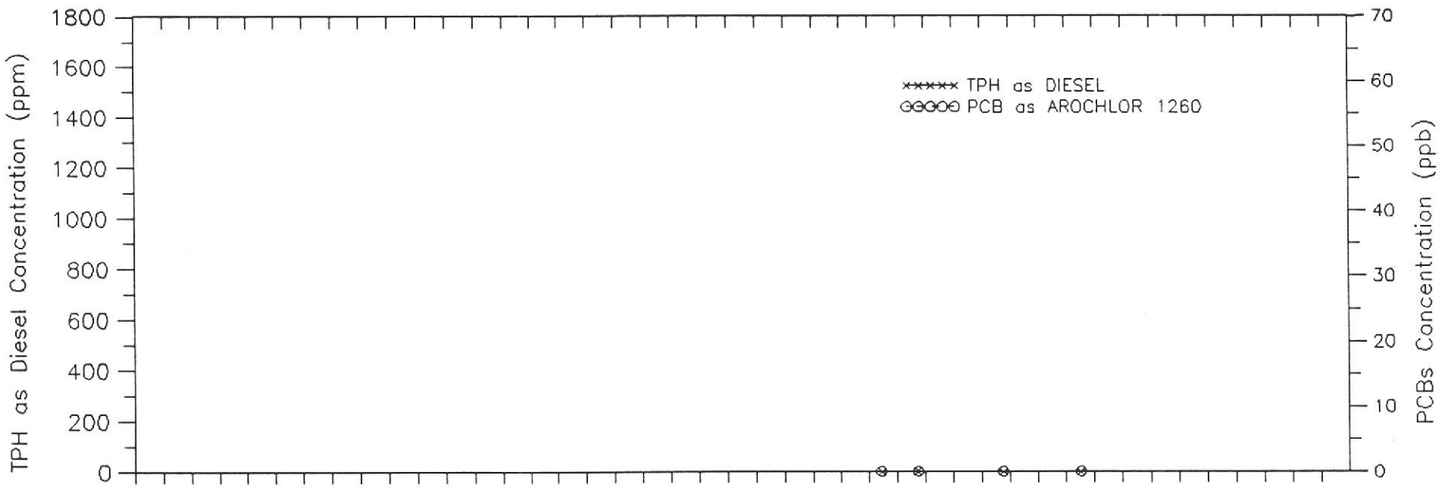
MONITORING DATA FOR WELL MW-8

INDUSTRIAL ASPHALT
PLEASANTON, CALIFORNIA

PLATE 10





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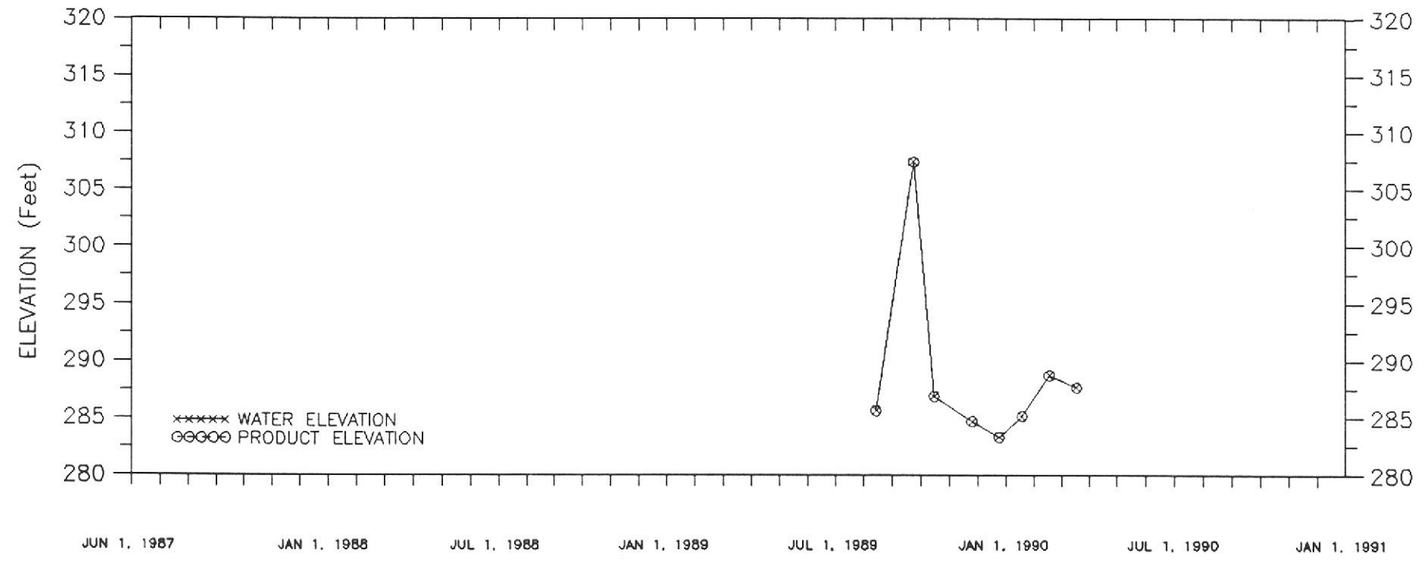
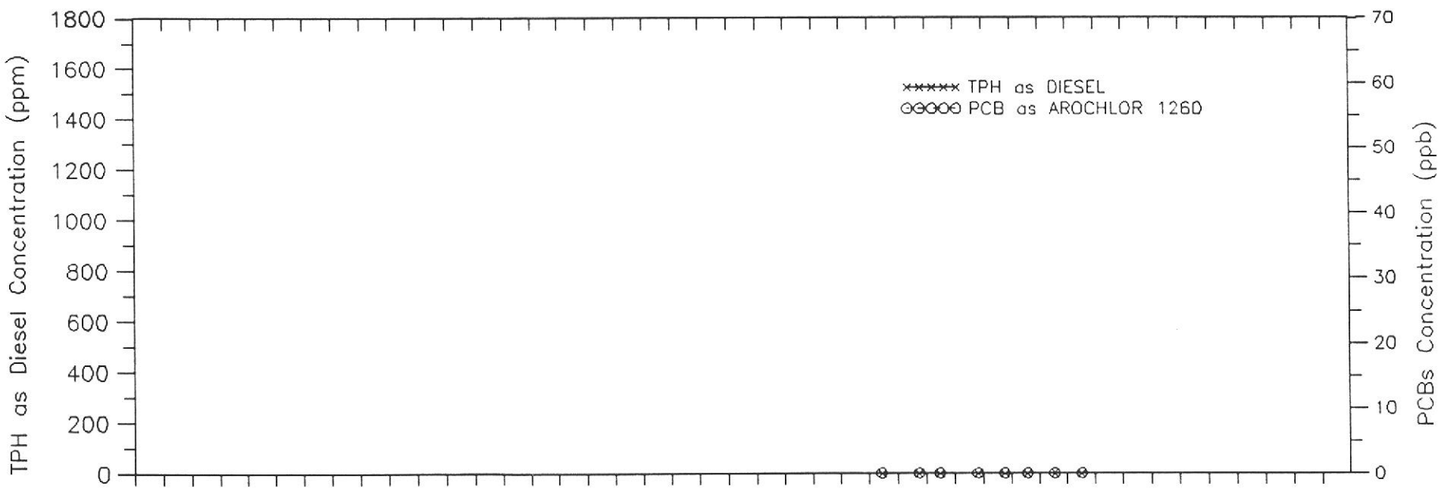
MONITORING DATA FOR WELL MW-9

INDUSTRIAL ASPHALT
PLEASANTON, CALIFORNIA

PLATE 11





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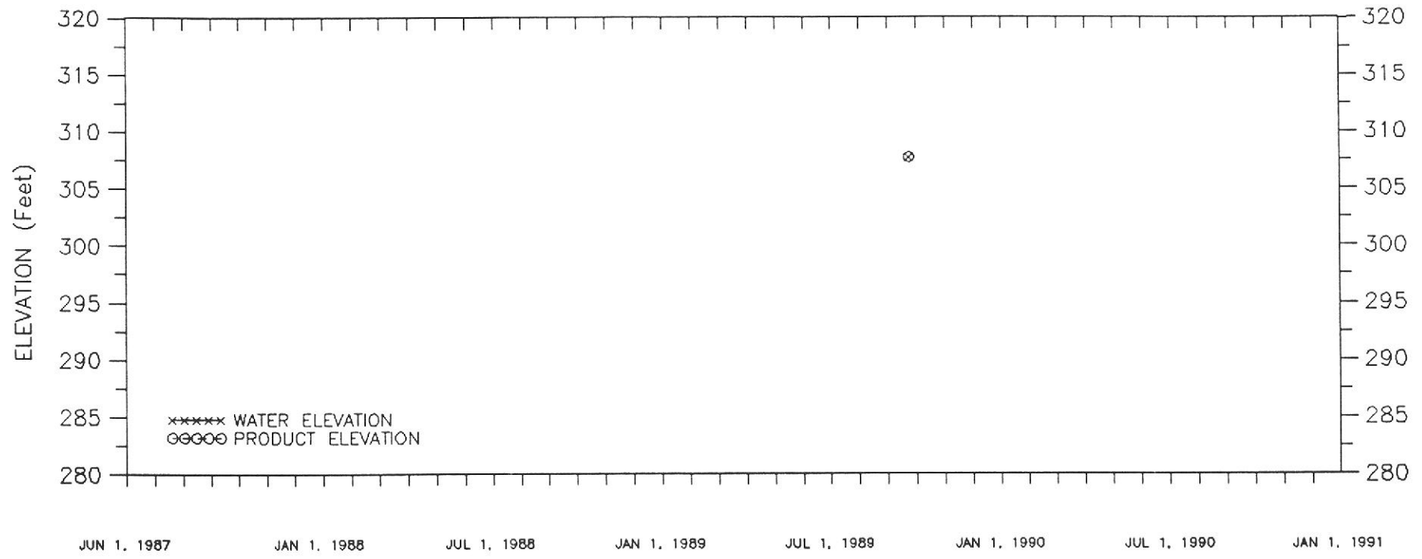
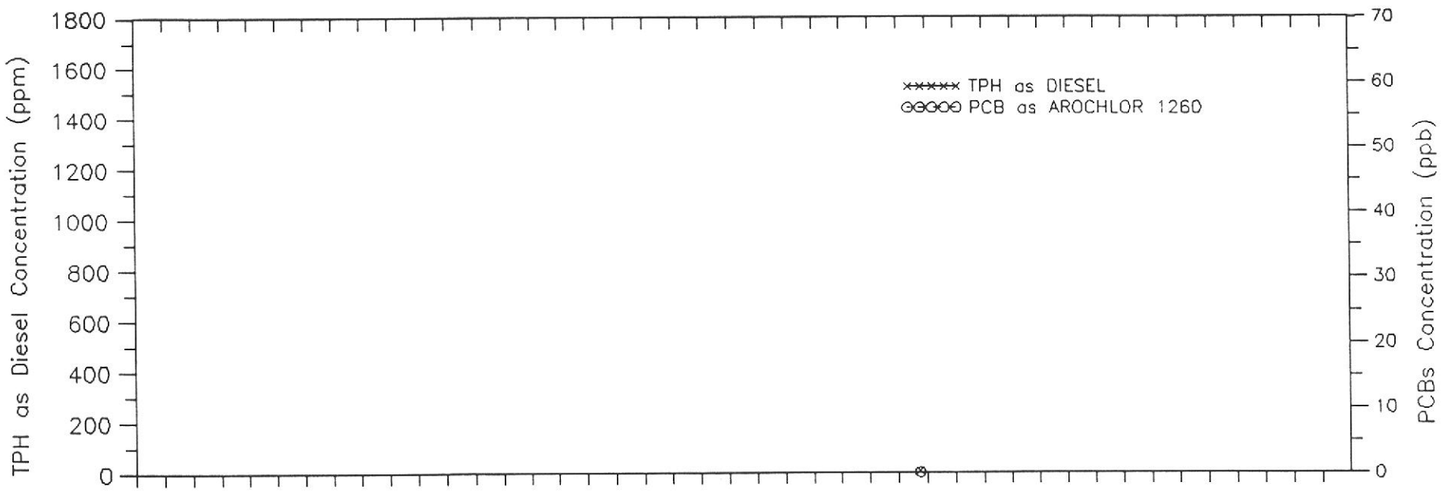
MONITORING DATA FOR WELL MW-10

INDUSTRIAL ASPHALT
PLEASANTON, CALIFORNIA

PLATE
12





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MONITORING DATA FOR WELL MW-11

INDUSTRIAL ASPHALT
PLEASANTON, CALIFORNIA

PLATE 13