

December 27, 2000

Mr. Mo Mashhoon Mash Petroleum, Inc. 1721 Jefferson Street Oakland, CA 94612

SUBJECT:

TEMESCAL CREEK SAMPLING

5725 Thornhill Drive Oakland, California

Dear Mr. Mashhoon:

This letter presents the results of the December 5, 2000 Temescal Creek water sampling. On December 5, 2000, ASE associate geologist Ian Reed collected water samples from Temescal Creek where the creek "daylights" west of the site (Figures 1 and 2). The samples were contained directly in organic analysis (VOA) vials (pre-preserved hydrochloric acid) and sealed without headspace. These samples were then labeled and stored on ice for transport to Kiff Analytical, LLC of Davis, California under chain of custody. The samples were analyzed by Kiff Analytical, LLC for total petroleum hydrocarbons as diesel (TPH-D) and motor oil (TPH-MO) by modified EPA Method 8015, and petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, eth y 🖂 benzene and total xylenes (collectively known as (BTEX) and methy tertiary butyl ether (MTBE) by EPA Method 8020. A copy of the analytical report is presented in Appendix A. No hydrocarbons were detected in the water sample.

REPORT LIMITATIONS

The results presented in this letter represent conditions at the time of the water sampling, at the specific locations where the samples were collected, and for the specific parameters analyzed by the laboratory.

This report does not fully characterize the site for contamination resulting from unknown sources or for parameters not analyzed by the laboratory. All of the laboratory work cited in this report was prepared under the direction of an independent CAL-EPA certified laboratory. The

independent laboratory is solely responsible for the contents and conclusions of the chemical analysis data.

Should you have any questions or comments, please feel free to call us at (925) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

Robert E. Kitay, R.G., R.E.A.

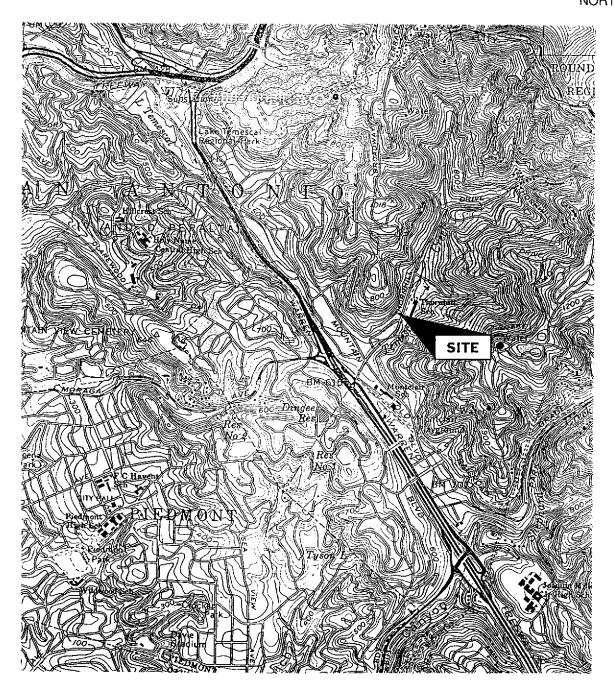
Senior Geologist

feld E. Fit

cc: Mr. Don Hwang, Alameda County Health Care Services Agency, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502

Mr. Chuck Headlee, California Regional Water Quality Control Board, San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, CA 94612



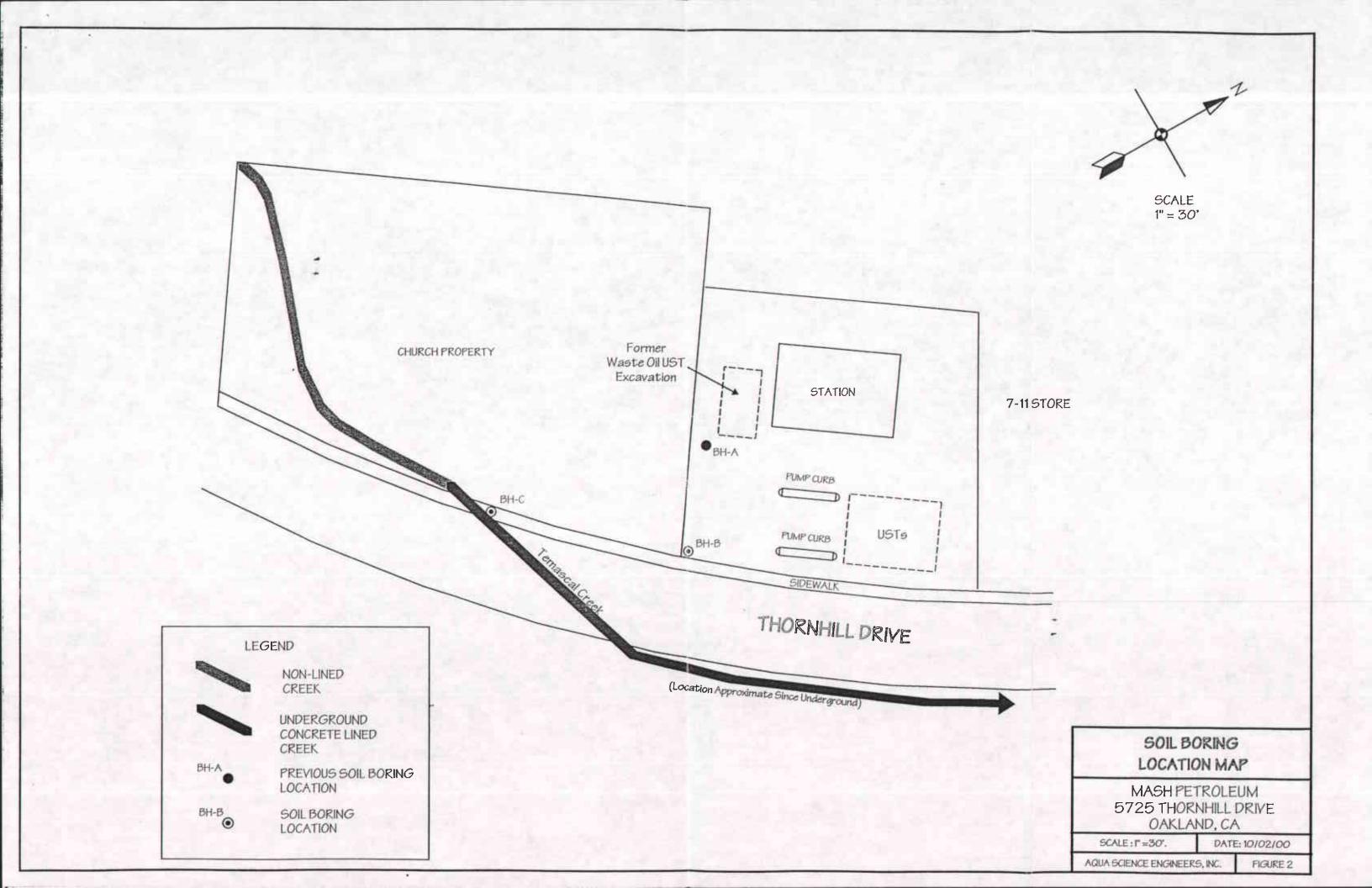


SITE LOCATION MAP

Mash Petroleum 5725 Thornhill Street Oakland, California

AQUA SCIENCE ENGINEERS, INC.

Figure 1



APPENDIX A

Analytical Report and Chain of Custody



Report Number: 18587

Date: 12/27/00

Ian Reed Aqua Science Engineers, Inc. 208 W. El Pintado Road Danville, CA 94526

Subject: 1 Water Sample Project Name: MO-Thomhill Project Number: 3457

Dear Mr. Reed,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Report Number: 18587

Date: 12/27/00

Project Name : MO-Thornhill

Project Number: 3457

Sample: CREEK

Matrix: Water

Lab Number : 18587-01

Sample Date :12/5/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed		
Benzene	< 0.50	0.50	ug/L	EPA 8020	12/14/00		
Toluene	< 0.50	0.50	ug/L	EPA 8020	12/14/00		
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8020	12/14/00		
Total Xylenes	< 0.50	0.50	ug/L	EPA 8020	12/14/00		
Methyl-t-butyl ether	< 5.0	5.0	ug/L	EPA 8020	12/14/00		
TPH as Gasoline	< 50	50	ug/L	M EPA 8015	12/14/00		
TPH as Diesel	< 50	50	ug/L	M EPA 8015	12/27/00		
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	12/27/00		
aaa-Trifluorotoluene (8020 Surrogate) aaa-Trifluorotoluene (Gasoline Surrogate)	98.3 95.8		% Recovery % Recovery	EPA 8020 M EPA 8015	12/14/00 12/14/00		

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

18587

Aqua Science Engineers, inc. 208 W. El Pintado Road Danville, CA 94526 (925) 820-9391 FAX (925) 837-4853
SAMPLER (SIGNATURE)

Chain of Custody

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SAMPLER (SIGNATURE) (PHONE NO.) WT. Regel (925) 8W-9391)										PAGEOF								
ANALYSIS REQUEST SPECIAL INSTRUCTIONS: 5-day TAT			TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-DIESEL (EPA 3510/8015)	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	PURGEABLE HALOCARBONS (EPA 601/8010)	VOLATILE ORGANICS (EPA 624/8240/8260)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	OIL & GREASE (EPA 5520)	LUFT METALS (S) (EPA 6010+7000)		PCB9 & PESTICIDES (EPA 608/8080)	ORGANOPHOSPHORUS PESTICIDES (EPA 8140 EPA 608/8080)	<u> </u>	Pb (TOTAL or DISSOLVED) (EPA 6010)	TPH-G/BTEX/5 0XY'S (EPA 8260)	TPH-G/BTEX/ 7 0XY'S / HVOCS (EPA 8260)			COMPOSITE		
SAMPLE ID.	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH-G/ (EPA 5(TPH-Dil	TPH-DIE (EPA 3	PURGE (EPA 6	VOLATI (EPA 6	SEMI-Y (EPA 6.	OIL & G (EPA 5)	LUFT M (EPA 6)	CAM 17 (EPA 6	PCB ₂	ORGA PESTI EPA 6	FUEL C	Pb (TC (EPA 6	TPH-G (EPA 8	1774-G			S 03
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RELINQUISHED BY: RECEIVED BY: (Signature) (time) B: 35 (signature) (time)				(time)		RELINQUISHED BY: (signature) (time)				RECEIVED BY LABORATORY: Hawidham 1335 (elignature) (time)						COMMENTS:						
Company- A-SE (printed name) (date) (printed name) (printed name) (company-				(date)	 •	(printed name) (date) Company-					HAKOW BROW * 1. 12 0200. (printed name) (date) Company- K. F. F. PAWALTICAL					(ST/	TURN AROUND TIME STANDARD 24Hr 48Hr 72Hr OTHER:					