

W. H. ALLERT
District Engineer

RECEIVED
EBMUD
JUL 13 1988
HAZARDOUS MATERIALS/
WASTE PROGRAM

July 7, 1988

Mr. Rafat Shahid, Chief
Hazardous Materials Division
Alameda County Health Care Services
470 - 27th Street, Third Floor
Oakland, CA 94612

Dear Mr. Shahid:

Re: Final Report - Two Underground Storage Tanks Removed
from Sites Located at West Grand and Linden Streets

The District submitted a remedial plan for the subject tank removal sites to your office on March 16, 1988. A phone conversation between Storm Goranson and Barbara Hagen, of the Source Control Division, modified the District's proposal of remediation. The new plan included re-excavation at the two sites involved and soil sampling. A verbal approval was given by Storm Goranson.

The District proceeded with the re-excavation on April 18, 1988, with the following results:

- o ~~Universal Engineering~~ Universal Engineering removed soil from the tank site. A hole was dug approximately 12 feet deep, and then a soil sample was taken. The bottom of the hole appeared to be undisturbed clay-sand material. The hole had a slight fuel odor. Preliminary results indicated that some fuel remained in the hole. Additional soil was removed on 4/25/88, and the hole no longer had a fuel odor. A soil sample was taken and sent to Brown & Caldwell for analysis. Total Fuel Hydrocarbons were <10 mg/kg. The BTEX sample was lost by Brown & Caldwell. Results are attached.

The soil that was excavated was taken to a District facility for storage and had no apparent fuel odor. Clean fill was used to fill the hole, and the concrete was replaced.



Mr. Rafat Shahid
July 7, 1988
Page 2

- o [REDACTED] Universal Engineering excavated on 4/18/88, and no odor or staining was noticed in the excavation. A hole was dug approximately 2 feet deep (below the bottom of the removed tank), and a sample was taken. The sample was sent to Brown & Caldwell for analysis. The Total Fuel Hydrocarbons were <10 mg/kg. The BTEX levels were all <0.5 mg/kg. Results are attached. The hole was refilled and paved over.

The District considers the two above sites to be clean, based on the lab results obtained.

If you have any further questions, please contact James McCarthy of the Source Control Division at 465-3700, extension 121.

Sincerely,

Walter J. Bishop /dm

WALTER J. BISHOP
Manager of Wastewater

WJB:BBH:dn SC8.244/98

CHAIN OF CUSTODY RECORD

BC Log Number _____

ID: **EBMUD SD-1**
 "2020 Wake Ave"
 Zip: **Oakland Ca**
 Project or PO #: **BR 870079 AM**
 Phone #: **465 3700**
 Report attention: **Chip Hellier**

Date sampled	Time sampled	Type* See key below	Sampled by:	Sample description	Number of containers	Analyses required								Remarks		
						BIEX	TPHC (Gasoline)	G25								Hazardous sample Special handling required
4/25/88		G		MISC 880425130	1	✓	✓									
4/25/88		G		NAS 410 880425136	1			✓								Use sample size ≤ 500 ml (high in phenol)
4/26/88		G		AGENCY 880426120	1			✓								probably high in phenol
4/26/88		G		NAS 410 880426137	1			✓								

Signature	Print Name	Company	Date	Time
Shed by <i>Stephen Gattlin</i>	Stephen Gattlin	EBMUD	4/26/88	14:37
id by		E		
Shed by				
id by				
Shed by				
id by Laboratory <i>Roberta Edwards</i>	Roberta Edwards	BCC	4/29/88	14:57

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.
 Hazardous samples will be returned at client expense.

RECEIVED

MAY 31 1988



BROWN AND CALDWELL WASTEWATER DEPARTMENT LABORATORIES

ANALYTICAL REPORT

1255 POWELL STREET EMERYVILLE, CA 94608 • (415) 428-2300

LOG NO: E88-04-628

Received: 26 APR 88
Reported: 26 MAY 88

Mr. Chip Hellier
East Bay Municipal Utility District
Post Office Box 24055
Oakland, CA 94623

Purchase Order: BRD87007AM

REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
04-628-1	MISC 880425130	25 APR 88
PARAMETER	04-628-1	
Total Fuel Hydrocarbons, mg/kg	<10	
EPA Method 602		
Date Extracted	@	
1,2-Dichlorobenzene, ug/L	@	
1,3-Dichlorobenzene, ug/L	@	
1,4-Dichlorobenzene, ug/L	@	
Benzene, ug/L	@	
Chlorobenzene, ug/L	@	
Ethylbenzene, ug/L	@	
Toluene, ug/L	@	
Total Xylene Isomers, ug/L	@	

@ MISC 880425130 EPA 602 aliquot lost in sample storage.



Wastewater Department

Chain of Custody Report

FEDERAL LOCAL

ACCOUNT NO. 	BUSINESS NAME <u>EBMUD - Misc FW</u>
SIDE SEWER/PROCESS NO. 1	CONTACT NAME <u>Dave Williams</u>
SAMPLING LOCATION <u>Carp Park East</u>	ADDRESS <u>Maint Dept.</u>
STATION I.D. <u>3' depth</u>	BUDGET UNIT _____ ACTIVITY CODE <u>8573</u> JOB NUMBER <u>88021</u>

GRAB SAMPLE-DATE COLLECTED 4/18/88

LAB NO. 880418159

TIME 1400 HR.

ANALYSES CODES pH TSS/VSS COD BOD TTD OG MET CN TTH

FLOW low _____ gpm

LAB NO.

TIME HR.

ANALYSES CODES

FLOW _____ gpm

LAB NO.

TIME HR.

ANALYSES CODES

FLOW _____ gpm

LAB NO.

TIME HR.

ANALYSES CODES

FLOW _____ gpm

CUSTODY INFORMATION		INITIALS	TIME	DATE
GRAB	GRAB COLLECTED BY	<u>UHM</u>	<u>2:22 PM</u>	<u>4/18/88</u>
	FIELD PRESERVED BY	_____	_____	_____
COMPOSITE	SAMPLER INSTALLED BY	_____	_____	_____
	AUTO SAMPLES RETRIEVED BY	_____	_____	_____
	SAMPLES COMPOSITED BY	_____	_____	_____
	COMPOSITING METHOD	<input type="checkbox"/> TOTAL SAMPLE	<input type="checkbox"/> EQUAL ALIQUOT	_____
BOTTLE NUMBERS USED IN COMPOSITE		_____		

SAMPLE REC'D IN LAB BY		INITIALS	TIME	DATE
		<u>UHM</u>	<u>1415</u>	<u>4/18/88</u>

COMPOSITE SAMPLE-SAMPLING METHOD _____

LAB NO.

TIME HR.

ANALYSES CODES

REPORT RESULTS TO: _____

COMMENTS: _____

FOR LABORATORY USE

SAMPLE PRESERVED BY: _____

DATE: _____ TIME: _____

STORAGE REFRIGERATOR: _____

DATE REMOVED:	<div style="border:1px solid black; width:100%; height:20px;"></div>
BY:	<div style="border:1px solid black; width:100%; height:20px;"></div>
ANALYSIS:	<div style="border:1px solid black; width:100%; height:20px;"></div>
DATE RETURNED:	<div style="border:1px solid black; width:100%; height:20px;"></div>

CHAIN OF CUSTODY RECORD

BC Log Number _____

Client name EBMVD	Project or PO # BRD 87007AM
Address SD-1 PO Box 27055	Phone # 465 3700
City, State, Zip Oakland Ca 94623	Report attention W.G. Hellier

Analysis required										Remarks
BTEX	TPHC							Hazardous sample Special handling required		
✓	✓									

Lab Sample number	Date sampled	Time sampled	Type* See key below	Sampled by:	Sample description	Number of containers
1	4/11/88		G		MISC 880418159	1

Signature	Print Name	Company	Date	Time
	WAYNE LEE			
	Munika Scott	P.F.C.	4-19-88	

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.
Hazardous samples will be returned to client or disposed of at client expense.