



*Always Ready*

September 21, 1998

Mr. George Jaber  
2801 Encinal Avenue  
Alameda, CA 94501

**RE: REPORT OF EXCAVATION DEWATERING ACTIVITIES  
SERVICE STATION, 1436 GRANT AVENUE, SAN LORENZO, CALIFORNIA**

Dear Mr. Jaber:

This report presents the results of excavation dewatering activities performed by Foss Environmental Services (FES) at the service station site at 1436 Grant Avenue in San Lorenzo, California (the Site). Following the removal of four underground storage tanks (USTs) at the Site by others, you contracted with FES to remove standing ground water that accumulated in the open UST excavation.

**Site Work:** FES mobilized to the Site on September 8, 1998. Removal of the USTs resulted in two open excavations at the Site, including a large excavation along the eastern boundary of the Site (along Channel Street) and a smaller excavation adjacent to the rear of the Site building (see attached sketch). The smaller excavation was reportedly the result of the removal of a waste oil UST with a capacity of approximately 500 gallons; the excavation was approximately six feet deep and did not contain water.

The larger excavation was reportedly the result of the removal of three former gasoline and diesel USTs with capacities of up to 10,000 gallons. The excavation was approximately 10 to 12 feet deep and contained standing ground water in two pools. One pool (Pool No. 1) was formed by the basin where the northernmost of the three fuel USTs was located. The second pool (Pool No. 2) was formed by the two adjacent basins where the two southernmost of the three fuel USTs were located. The surface of the standing water was approximately ten feet below the existing ground level. Heavy sheen was observed on the water surface and hydrocarbon odors were noted near the excavation.

FES used a 120-barrel vacuum truck to remove water from the pools. To collect the greatest practical proportion of the heavy sheen observed on the water surface, and to minimize the quantity of solids (mud, silt) that was collected, fluid was collected by lowering a "stinger" to the air-water interface and "slurping" from the top portion of the pool contents.

Fluid was collected first from Pool No. 1. Approximately 2,000 gallons of fluid was collected from Pool No. 1; this quantity represented an estimated 90-95% of the water in the pool. Collection from this pool was ceased at that point due to the increasing proportion of solids in the remaining water and the difficulty with reaching the stinger out to the remaining water. Fluid was then collected from Pool No. 2. Approximately 3,000 gallons of fluid was collected from Pool No. 2; this quantity represented an estimated 75-80% of the water in the pool. Collection from this pool was ceased at that point due to the vacuum truck tanker being filled. A total of approximately 5,000 gallons of ground water was pumped out of the excavation into the vacuum truck.

The soil in the excavation sidewalls appeared to be brown silt (native) and brown sand (tank backfill material). Dark stains were observed in some areas of soil around the pools at and near the standing water line. When the pools were drawn down, water was observed to be seeping from the excavation sidewalls and flowing into the pools. The water that flowed into the pools appeared to include a heavy sheen.

1605 Ferry Point ■ Alameda, CA 94501

Phone 510.749.1390 ■ 24-HR Hotline 1 800 FE SPILL ■ Fax 510.749.1391

98 SEP 24 PM 2:52

ENVIRONMENTAL PROTECTION

George Jaber  
September 21, 1998  
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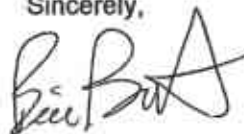
**Water Transportation and Recycling:** The pumped ground water was transported by FES on September 9, 1998, to the Seaport Environmental facility in Redwood City, California for recycling. A copy of the Non-hazardous Water Transport Form documenting the transportation and disposition of the material is attached to this report.

**Collection of Water Sample:** On September 13, 1998 (i.e., after the pools of water in the excavation had recharged), a grab water sample was collected from Pool No. 2 and analyzed at a state-certified laboratory. The sample was collected by lowering a 1.5-inch-diameter, bottom-fill, disposable polyethylene bailer just below the static water level in the excavation. The sample was carefully transferred from the check-valve-equipped bailer to a 1-liter-capacity brown glass bottle and two, 40-milliliter Volatile Organic Analysis (VOA) bottles. The sample bottles were filled to zero headspace and fitted with Teflon-sealed caps. Each bottle was labeled with the project number, sampling location, sample date, and sampler's initials. The bottles were immediately placed in a cooler with ice and maintained at a temperature of approximately 4°C until delivery to a California-certified laboratory. Chain of custody documentation was completed in the field and accompanied the samples to the laboratory.

**Laboratory Analysis of Water Sample:** The ground water sample was analyzed at McCampbell Analytical, Inc., of Pacheco, California, for total petroleum hydrocarbons as gasoline (TPH-g); total petroleum hydrocarbons as diesel (TPH-d); benzene, toluene, ethylbenzene, and total xylenes (BTEX); and methyl tert-butyl ether (MTBE). Copies of laboratory analytical reports and chain of custody records are attached to this report.

**Closure:** If you have any questions regarding this excavation dewatering project, please call me at (510) 749-4131.

Sincerely,

A handwritten signature in black ink, appearing to read "Bill Bassett", written in a cursive style.

Bill Bassett  
Project Manager

NOTES: Field sketch of service station  
1436 Grant Avenue, San Lorenzo, CA

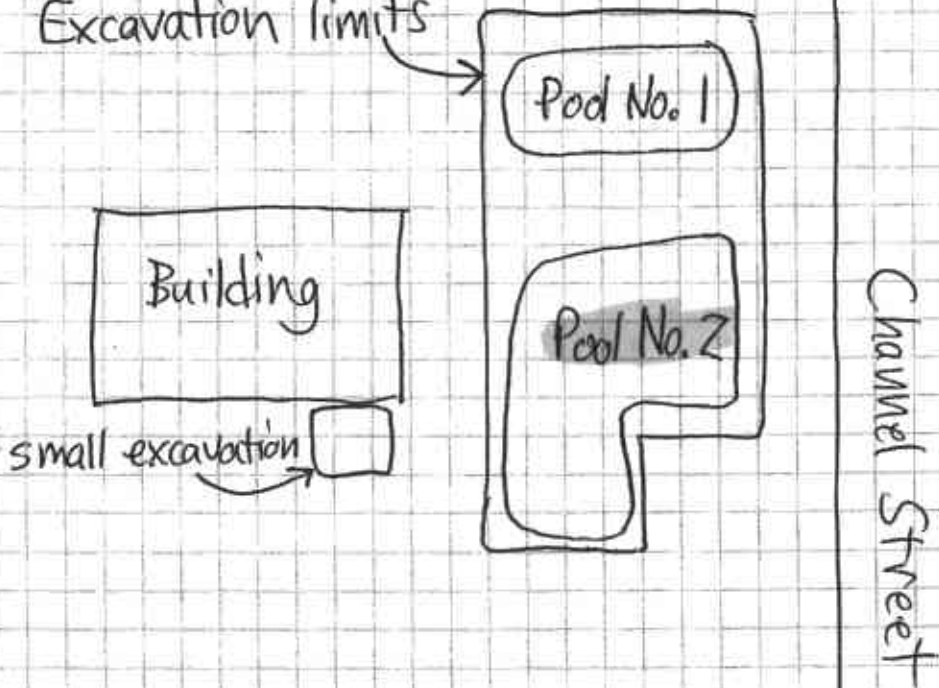
Sketch by B. Bassett, Foss Environmental  
Not to scale  
Site owner: Mr. George Jaber

9/8/98



Grant Avenue

Excavation limits



Channel Street

# NON-HAZARDOUS WATER TRANSPORT FORM

011

**GENERATOR INFORMATION**

George Jaber  
2801 Encinal Ave  
Alameda Ca 94501

**CUSTOMER INFORMATION**

Foss Environmental Services  
Bill Bassett  
PO #

DESCRIPTION OF WATER: Excavation Dewatering  
NON-HAZARDOUS WASTE WATER, MONITORING WELL PURGE WATER AND/OR AUGER RINSATE, TANK RINSATE OR ABOVE DESCRIBED WATER. THIS WATER MAY CONTAIN DISSOLVED HYDROCARBONS. I CERTIFY THAT THE ABOVE NAMED MATERIAL IS A LIQUID EXEMPT FROM RCRA PER 40 CFR 261.4 (b)(10) AND DOES NOT MEET THE CRITERIA OF HAZARDOUS WASTE AS DESCRIBED IN 22 CCR ARTICLE 11 OR ANY OTHER APPLICABLE STATE LAW, HAS BEEN PROPERLY DESCRIBED, CLASSIFIED AND PACKAGED AND IS IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS.

J. Chris Edwards for George Jaber  
Generator/Authorised Agent

[Signature] 9/13/98  
Sign date

**SITE INFORMATION**

1436 Grant Ave  
San Lorenzo  
Ca 94580

GROSS	
TARE	
NET	
TOTAL GALLONS	5,000

Calculated at 8.34lbs per USG

**TRANSPORTER INFORMATION**

Foss Environmental

Truck ID: 2017/3012

Driver: J. Chris Edwards 9/13/98  
Print full name & sign date

TIME OUT	
TIME IN	
TIME SPENT	

**DISPOSAL FACILITY INFORMATION**

Seaport Environmental  
675 Seaport Boulevard  
Redwood City, Ca 94063  
Phone: (650) 364 1024

Approval Number

801 - 255

Solids %Wt      pH

Solids Surcharge  
e/USG

Received by: Rodolfo Salazar  
Print full name & sign

9-9-98  
date



McCAMPBELL ANALYTICAL INC.

110 2nd Ave. South, #D7, Pacheco, CA 94553-5560  
Telephone : 925-798-1620 Fax : 925-798-1622  
<http://www.mccampbell.com> E-mail: [main@mccampbell.com](mailto:main@mccampbell.com)

Foss Environmental Services 1605 Ferry Point Alameda, CA 94501	Client Project ID: #A8731; Jaber Gas Station	Date Sampled: 09/13/98
		Date Received: 09/14/98
	Client Contact: Bill Bassett	Date Extracted: 09/14/98
	Client P.O: #A8731-02	Date Analyzed: 09/14/98

09/21/98

Dear Bill:

Enclosed are:

- 1). the results of 1 samples from your #A8731; Jaber Gas Station project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Edward Hamilton, Lab Director



McCAMPBELL ANALYTICAL INC.

110 2nd Ave. South, #D7, Pacheco, CA 94553-5560  
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**Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline\*, with Methyl tert-Butyl Ether\* & BTEX\***

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g) <sup>+</sup>	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	% Recovery Surrogate
94876	Pit Water 9/13	W	3600,a	17,000	350	130	39	380	100
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	W		50 ug/L	5.0	0.5	0.5	0.5	0.5	
	S		1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	

\* water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP and SPLP extracts in ug/L

# cluttered chromatogram; sample peak coelutes with surrogate peak

\*The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~5 vol. % sediment; j) no recognizable pattern.



## QC REPORT FOR HYDROCARBON ANALYSES

Date: 09/16/98

Matrix: WATER

Analyte	Concentration (mg/L)			Amount Spiked	% Recovery		RPD
	Sample (#94773)	MS	MSD		MS	MSD	
TPH (gas)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Toluene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ethyl Benzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Xylenes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH(diesel)	0.0	157	154	150	105	103	1.7
TRPH (oil & grease)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$



## QC REPORT FOR HYDROCARBON ANALYSES

Date: 09/14/98-09/15/98

Matrix: WATER

Analyte	Concentration (mg/L)			Amount Spiked	% Recovery		RPD
	Sample (#94773)	MS	MSD		MS	MSD	
TPH (gas)	0.0	90.9	89.2	100.0	90.9	89.2	1.9
Benzene	0.0	8.9	9.0	10.0	89.0	90.0	1.1
Toluene	0.0	9.3	9.4	10.0	93.0	94.0	1.1
Ethyl Benzene	0.0	9.4	9.4	10.0	94.0	94.0	0.0
Xylenes	0.0	28.3	28.4	30.0	94.3	94.7	0.4
TPH (diesel)	0.0	173	175	150	115	117	1.1
TRPH (oil & grease)	0	24200	24200	23700	102	102	0.0

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

