APPENDIX A
TANK REMOVAL REPORT

SOIL SAMPLING
AND LABORATORY ANALYSIS
LIQUID SUGARS, INC.
1274 65TH STREET
EMERYVILLE, CALIFORNIA
FOR
VERL'S CONSTRUCTION, INC.

NO. EV-500/E172-01 NOVEMBER 14, 1990

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No. EV-500/E172-01 November 14, 1990

Veri's Construction, Inc. 753 Peralta Avenue San Leandro, California 94577

Attention:

Mr. Merlin Bowen

SUBJECT:

Soil Sampling and Laboratory Analysis, Liquid Sugars, Incor-

porated, 1274 65th Street, Emeryville, California

Gentlemen:

This report describes the results of field activities by Environmental Geotechnical Consultants (EGC) at the above referenced site (Figure 1). EGC was contracted by Verl's Construction, Inc. (VCI) to collect soil samples from the excavation of three underground storage tanks (UST's). Field work and laboratory analytical methods were performed in compliance with current State of California Water Resources Control Board (SWRCB) procedures for conducting environmental investigations relating to potentially leaking UST's.

UNDERGROUND STORAGE TANK REMOVAL

On November 2, 1990, three UST's were excavated and removed from the yard of Liquid Sugars, Incorporated (LSI). UST removal was conducted by VCI and witnessed by George Warren of the Emeryville Fire Department. Soil sampling was done by a representative of EGC and witnessed by Susan Hugo of the Alameda County Department of Environmental Health.

*Prior to removal, the UST's were triple-rinsed and dry ice was introduced into them to displace potentially explosive vapors. A combustible gas indicator was used by VCI to verify safe lower explosive limit levels within the tanks.

The UST's were removed from the excavation and visually inspected. The tanks were designated A through C by EGC for reporting purposes (Figure 2). Tank A, a 1000-gallon tank known to have contained gasoline, had no visible holes; however, it appeared to have been dented by the backhoe during excavation. Tank B, also a 1000-gallon gasoline tank, was dented and contained a puncture that appeared to have been made by the backhoe during excavation. Tank C was a 10,000-gallon diesel fuel tank. The seam seals on the ends of the tank were corroded in places and a small amount of fluid leaked out during removal. The fluid contained no product sheen.

The tanks were then loaded onto an Erickson Enterprises, Inc., flatbed truck and taken to their facility in Richmond. The Uniform Hazardous Waste manifests for the UST's are included as Appendix A.

SOIL SAMPLING AND FIELD OBSERVATIONS

Sampling point locations are shown in Figure 2. The contaminant level of the stockpile from the initial excavation of the UST's was characterized by compositing soil taken at locations A through E in Figure 2. The sample (P1) was collected in moist soil at various heights in the pile and approximately one foot into the stockpile.

Soil with petroleum product odors and a medium greenish-gray color was encountered in the excavation. Samples S-01 through S-06 were obtained by a backhoe at depths of approximately seven to sixteen feet below grade. Each sample was collected by inserting a clean, brass, two-inch diameter sample sleeve into the native soil in the backhoe bucket. The sleeve was packed with soil and the ends sealed with aluminum foil and plastic end caps. The samples were taped, labelled, logged on a Chain-of-Custody form and transported on blue ice to NET Pacific, Inc., a California Department of Health Services-certified analytical laboratory. The Chain-of-Custody report and laboratory analytical results are included as Appendix B.

SOIL ANALYTICAL RESULTS

Sample P1 was composited at the laboratory and analyzed for: Total Petroleum Hydrocarbons as Gasoline (TPH-G); TPH as Diesel (TPH-D); Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX); Total Lead; and Reactivity, Corrosivity and Ignitability (Flash Point).

Samples S-01 through S-03, which were collected beneath the former location of the gasoline tanks, were analyzed for TPH-G, BTEX and Total Lead. Sample S-04, which was collected beneath the former location of gasoline and/or diesel piping, was analyzed for TPH-G, TPH-D, BTEX and Total Lead. Samples S-05 and S-06, which were collected beneath the former location of the diesel tank, were analyzed for TPH-D and BTEX.

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Laboratory analytical results are summarized below:

	TPH-G	<u>' TPH-D'</u>	Benzene ²	Toluene ²	Ethylbenzene ²	Xylenes ²	Total Lead
1102-P1 1102-S-01 1102-S-02 1102-S-03 1102-S-04 1102-S-05	960 1,700 3,400 1,400 710	1,890 - - - 102	1,400 11,000 33,000 7,300 810	4,800 45,000 95,000 18,000 2,100	4,600 22,000 43,000 12,000 5,400	23,000 110,000 210,000 64,000 11,000	15) 6.3 7.1 7.0 3.6
1102-S-05		10,300 17	1,200 8	1,100 7.7	560 11	3,900 42	-

- Reported in parts per million (ppm)
 Reported in parts per billion (ppm)
 Not analyzed for this parameter

LIMITATIONS

The scope of work of this project was strictly limited to the sampling and analysis of soil collected beneath three UST's. No warranty, express or implied, is given with regard to the general environmental condition of the subject property.

This report has been prepared in order to aid in the evaluation of the current status of the subject site. It is your responsibility to ensure that this report is made available to the agencies noted below.

Responsible Agencies

Mr. George Warren Emeryville Fire Department 6303 Hollis Street Emeryville, CA 94608 (415)596-3750

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Ms. Susan Hugo Alameda County Department of Environmental Health Division of Hazardous Materials 80 Swan Way, Rm. 200 Oakland, CA 94621 (415)271-4320

If you have any questions or require additional information, please contact us at your convenience.

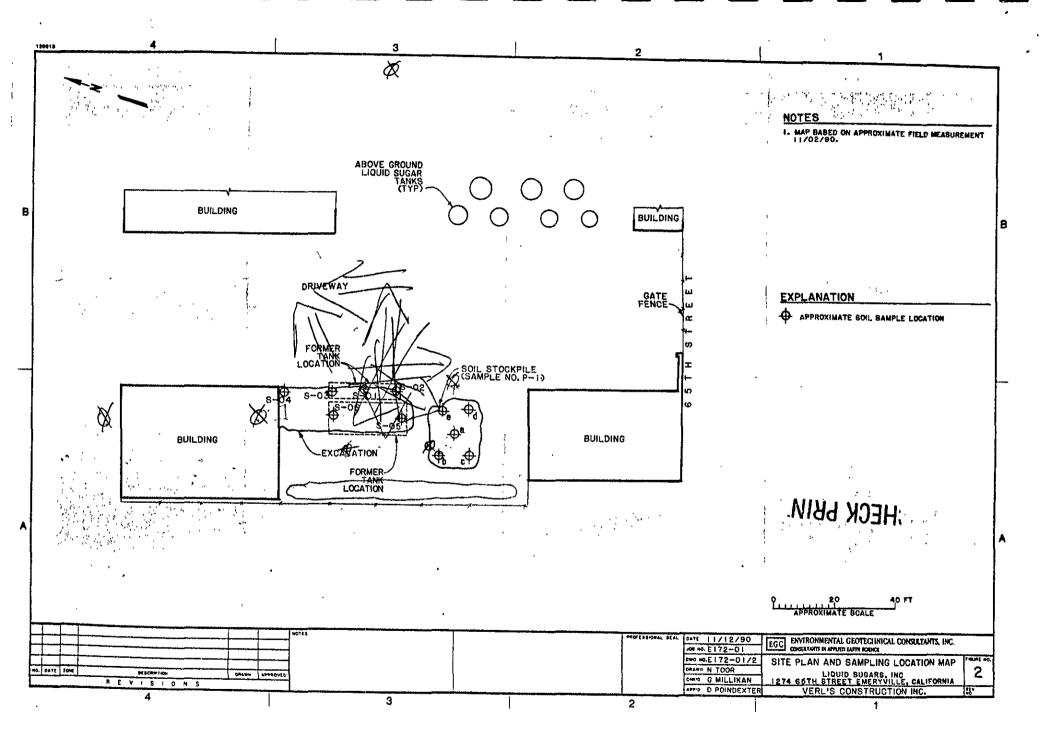
Very truly yours,

ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC.

Don R. Poindexter Principal

jmc

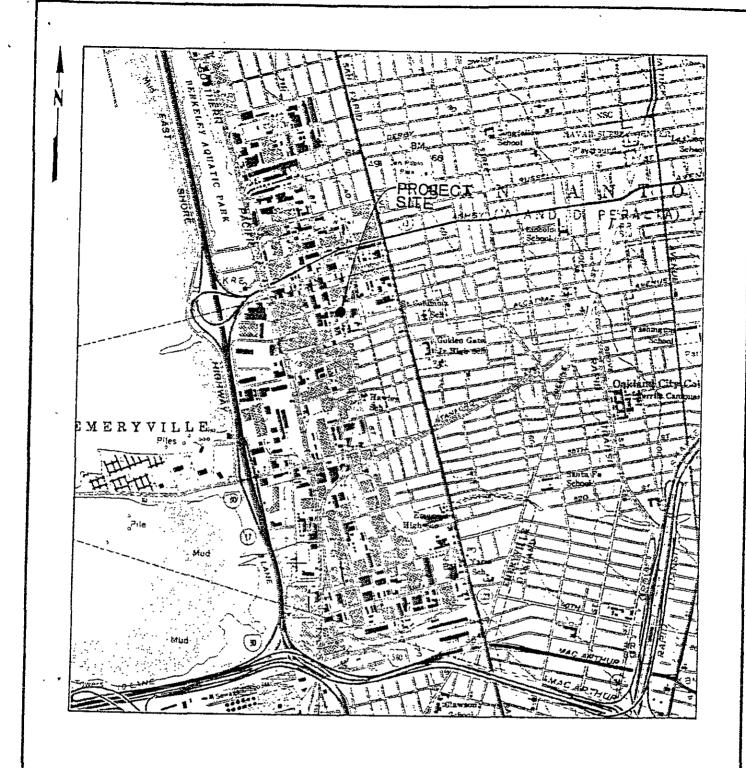
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	Erickson, Inc. 255 Parr Blvd.				ility's Phone	الم الماليات
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4000 FT 2000 APPROXIMATE SCALE

11/12/90 ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC. EGC JOE NO. E 172-01 CONSTITUTOS IN APPLIED EARTH SCIENCE PROJECT SITE LOCATION MAP OWE NO. E172-01/1 FIGURE NO. N TOOR LIQUID SUGARS, INC 1274 65TH STREET EMERYVILLE, CALIFORNIA G MILLIKAN D POINDEXTER VERL'S CONSTRUCTION INC.

NOTES

BASE MAP TAKEN FROM USGS OAKLAND WEST (1980), CALIFORNIA 7.5 MINUTE QUADRANGLE.

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FROM: Quely Recelly / LA

III/12/90 (1540) 5 page

Environmental Geotechnical NET client Acct No: 362

NET Pacific Log No: 4764

Rayward, CA 94545 Received: 11-03-90 0990

Client Reference Information

VCI - Liquid Sugare; Jobs: £172-01

Sample shalysis in support of the project referenced above has been completed

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Clients. Services:

Approved by:-

Jules Skamarack

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Preliminary Report

Client No: 362
Client Name: Environmental Geotechnical
NET Log No: 4764
Page:
Raf: VCI- Liquid Sugars; Job: E172-01

Descriptor; Lab No. and Results

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				1102-P-1a-6 11-02-50	1102-S-04 11-02-50	
Parameter .	•	Method	Reporting			
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			7.0	INE)	NID	* mor/Kor

Client No: 362,

Client Name: Environmental Georganical

NET Log No: 4764

Ref: VCT-Liquid Sugars; Job: E172-01

Descriptor, Lab No. and

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Descriptor,	LAb	No.	and Results

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Client No: 362 Client Namer Environmenta NET Loc En

Ref: VCI-Liguid Sugare: Job: E172.01

Descriptor, Lab No.

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DATE ANALYZED Benzene Ethylbenzene		2.5	11-10-90 7,300 12,900	ug/Kg
Toluene Xylenes, total		2:5	18,000	ug/Kg ug/Kg ug/Kg

Client No: 362
Client Name: Environmental Geotechnical
NET Log No: 47.64.Ref: VCI-Liquid Sugars; Job: E172-01

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Nick Guintoli Environmental Geotechnical 2495 Industrial Parkway W. Hayward, CA 94545

NET Client Acct. No: 362 NET Pacific Log No: 5233 Received: 12-06-90 0800

Client Reference Information

Liquid Sugars, Inc., Project:E-172-01

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed regarding procedures or results, please feel welcome to contact Client

Approved by:

Jules Skamarack Laboratory Manager

Enclosure(s)

Preliminary Report

Client Acct: 362 Client Name: Environmental Geotechnical NET Log No: 5233

Date: 12-07-90 Page: xxx

Ref: Liquid Sugars, Inc., Project:E-172-01

SAMPLE DESCRIPTION: W-1 12-05-90 LAB Job No: (-70190)

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Parameter .	Method	Reporting Limit	Results	Units		
PETROLEUM HYDROCARBONS EXTRACTABLE (WATER) DILUTION FACTOR * DATE EXTRACTED DATE ANALYZED METHOD GC FID/3510 as Diesel as Motor 011	LUFTD LUFTO LUFTD LUFTD LUFTD LUFTD	0.05 0.5	20 12-06-90 12-07-90 27 ND	ing/L ing/L		

Date: 12-07-90 Page: xxx

Client Acct: 362 Client Name: Environmental Geotechnical NET Log No: 5233

Ref: Liquid Sugars, Inc., Project:E-172-01

SAMPLE DESCRIPTION: W-1 12-05-90

LAB Job No: (-70190)

Parameter	Method	Report Limit	ing Results	Units
METHOD 8240				1
DATE ANALYZED	CLPVOC		1 12-07-90	
DILUTION FACTOR *	CLPVQC		1	
Acetone	CLPVOC	10	ND	ug/L
Benzene	CLPVOC	5.0	ND	ug/L .
Bromodichloromethane	CLPVOC	5.0	ND	ug/L
Bromoform	CLPVOC	5.0 5.0	ND	ũg/L
Promomethane	CLPVOC	5.0	ND	ug/L
2-Butanone	CLPVOC	10	ДИ	ũ₫/L
arbon Disulfide	CLPVOC	5.0	ND	ug/L
arbon Tetrachloride	CLPVOC	5.0	ND	ug/L
hlorobenzene	CLPVOC	5.0	ND	ug/E
hloroethane	CLPVOC	5.0	ND	ug/L
-Chloroethyl Vinyl Ether		10	ND	ug/L
hloroform	CLPVOC	5.0	ND	ug/L
hloromethane	CLPVOC	5.0	ND	ug/L
ibromochloromethane	CLPVOC	5.0	ND	ug/L
.2-Dichlorobenzene		6.0	ND ·	ug/L
.3-Dichlorobenzene		6.0	ND	ug/L
,4-Dichlorobenzane		6.0	ND	ug/L
.1-Dichloroethane	CLPVOC	5.0	ND	ug/L
,2-Dichloroethane	CLPVOC	5.0	ND	ug/L
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unyi benzene	CLPVOC	5.0	ND ·	ug/L
-Hexanone	CLPVOC	10	ÑĎ	ug/L
thylene Chloride	CLPVOC	5.0	ND	ug/L
Methy1-2-pentanone	CLPVOC	10	D	ug/L
yrene	CLPVOC	5.0	ND	ug/L
1.2.2-Tetrachloroethane	CLPVOC	5.0	ND	ug/L
errach i prosthana	CLPVOC	5.0	ND	ug/L
oluene	CLPVOC	5.0	ND	па\Г.
1.1-Trichloroethane	CLPVOC	5.0 5.0	ND	ug/L
1.2-Trichloroethane.	CLPVOC	5.0	ND	ug/L
ichlorofluoromethane	CLPVOC	5.0	מא	ug/L
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SENT BYDEC 10 790 12:40 (415)732-028990 ; 8:23PM ; NET PACIFIC→

415 P.@289 # {

Client Actt: 362
Client Name: Environmental Geotechnical
NET Log No: 5233

Date: 12-07-90 Page: xxx

Ref: Liquid Sugars, Inc., Project:E-172-01

SAMPLE DESCRIPTION: W-1 LAB Job No: (-70190)

Parameter

12-05-90

Method

Reporting Limit

Results

Units

1.2-Dichloroethane-d4

CLPVOC

94

% Rec.