

LRA ENGINEERING

1805 TRIBUTE ROAD, SUITE A SACRAMENTO, CA 95815 PHONE 916/929-9267

93 0000 1 20 20 21

9 January, 1992

Mr. Dan Mundy Dolan Foster Enterprises Inc. 25546 Seaboard Lane Hayward, California 94545

Subject: Analytical Results

Alameda Taco Bell

LRA Environmental Job Number: E-9170

Dear Dan:

We are transmitting the preliminary results of the chemical analysis for the soil samples obtained from borings É-4 and E-6. Included are the boring logs depicting the field soil gas results, a boring location map and our chain of custody documentation.

We anticipate that the final analytical reports will be in our custody no later than Monday 13 January, 1992. We have put a tentative meeting with the county authorities on the calendar for Tuesday 14 January 1992. We would appreciate having as much notice as possible as to the specific time and place of the meeting.

Please advise if there is anything we can do to help in the interim.

Very truly yours,

LRA ENGINEERING

Robert A. Nicholson

Vice President, Technical Services

RAN:bas epa\e9170.fax1

ANALYSIS REPORT

CLIENT: LRA Environmental CONTACT: Bob Nicholson

Date Samples Received: 12/27/91 PROJECT: Taco Bell

Date of Analysis: 12/31/91 CT ID: 3116

Sample ID: E9170-E6-1-I

Lab ID: 914509 Matrix: SOIL

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
BENZENE	ND	0.025
TOLUENE	3.8	0.025
ETHYLBENZENE	2.2	0.025
XYLENES	22.	0.075
SURROGATE RECOVERY		ACCEPTABLE RANGE
•	95.34	70% TO 130%

NOTE:

(ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

This sample was diluted to a 1: 5 ratio and the reporting limits adjusted accordingly



ANALYSIS REPORT

CLIENT: LRA Environmental CONTACT: Bob Nicholson

Date Samples Received: 12/27/91 PROJECT: Taco Bell

Sample ID: E9170-E4-1-II

Lab ID: 914508 Matrix: SOIL

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg	REPORTING LIMIT (ppm)
BENZENE	8.2	0.1
TOLUENE	200.	0.1
ETHYLBENZENE	110.	0.1
XYLENES	760.	0.3
SURROGATE RECOVERY		ACCEPTABLE RANGE
	126.78	70% TO 130%

70% 10 130%

NOTE:

(ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

This sample was diluted to a 1: 20 ratio and the reporting limits adjusted accordingly



ANALYSIS REPORT

CLIENT: LRA Environmental

LRA Environmental

Date Samples Received: 12/27/91

Date of Analysis: 12/31/91

Sample ID: E9170-E6-1-I

Lab ID: 914509 Matrix: SOIL

ANALYSIS: TFH, EPA 5030

REPORTING LIMIT

CONTACT: Bob Nicholson

PROJECT: Taco Bell

CT ID: 3116

COMPOUND mg/Kg mg/Kg (mqq) (ppm)

GASOLINE 110. 5

(ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS. NOTE:

This sample was diluted to a 1: 5 ratio and the

reporting limits adjusted accordingly

PRELIMINARY

ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 12/27/91

Date of Analysis: 12/31/91

Sample ID: E9170-E4-1-II

Lab ID: 914508 Matrix: SOIL

ANALYSIS: TFH, EPA 5030

REPORTING LIMIT

CONTACT: Bob Nicholson

PROJECT: Taco Bell CT ID: 3116

COMPOUND mg/Kg mg/Kg (ppm) (ppm)

GASOLINE 8,000. 20

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

This sample was diluted to a 1: 20 ratio and the reporting limits adjusted accordingly

PRELIMINARY

LRA Environmental 1805 Tribute Road Suite B Sacramento, Ca 95815

01-08-92

Attn: Bob Nicholson

Re: Project: Toco Bell Lab Reference No.: 3116

Date Samples Received: 12/22/91

No. Samples Received: 04

The samples were received by Matrix Environmental Laboratories intact and in good condition. Samples conformed to required sampling protocols for the requested analyses and were accompanied by required documentation.

Please call if we can be of further assistance.

Sinçerely

Larry A. Mooney Phi Laboratory Director

ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 12/27/91

Date of Analysis: 12/31/91

Sample ID: E9170-E4-1-II

Lab ID: 914508 Matrix: SOIL

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)	
GASOLINE	8,000.	20	
NOTE:	(ND) NOT DETECTED AT OR	ABOVE THE REPORTING LIMITS.	

This sample was diluted to a 1: 20 ratio and the reporting limits adjusted accordingly

CONTACT: Bob Nicholson

PROJECT: Taco Bell

CT ID: 3116

ANALYSIS REPORT

CLIENT: LRA Environmental CONTACT: Bob Nicholson

Date Samples Received: 12/27/91 PROJECT: Taco Bell

CT ID: 3116

Date of Analysis: 12/31/91

Sample ID: E9170-E4-1-II

Lab ID: 914508 Matrix: SOIL

ANALYSIS: BTEX, EPA 8020

COMPOUND	(ppm) mg/kg	REPORTING LIMIT (ppm)
BENZENE	8.2	0.1
TOLUENE	200.	0.1
ETHYLBENZENE	110.	0.1
XYLENES	760.	0.3
SURROGATE RECOVERY		ACCEPTABLE RANGE
	126.78	70% TO 130%

NOTE:

(ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

This sample was diluted to a 1: 20 ratio and the reporting limits adjusted accordingly

ANALYSIS REPORT

CLIENT: LRA

Date Samples Received: 12/22/91 P.O. No: Toco Bell

Date of Analysis: 01/08/92

Sample ID: E9170-E4-1-II

Lab ID: 914508 Matrix: SOIL

ANALYSIS: ORGANIC LEAD

REPORTING LIMIT Method

CONTACT: Bob Nicholson

CT ID: 3116

COMPOUND mg/Kg mg/Kg (ppm) (ppm)

ORGANIC LEAD ND 0.1 DOHS

ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 12/27/91

Date of Analysis: 12/31/91

Sample ID: E9170-E6-1-I

Lab ID: 914509 Matrix: SOIL

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)	
GASOLINE	110.)	5	

NOTE:

(ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

This sample was diluted to a 1: 5 ratio and the reporting limits adjusted accordingly

CONTACT: Bob Nicholson

PROJECT: Taco Bell

CT ID: 3116

ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 12/27/91

Date of Analysis: 12/31/91

Sample ID: E9170-E6-1-I

Lab ID: 914509 Matrix: SOIL

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
BENZENE	ND	0.025
TOLUENE	3.8	0.025
ETHYLBENZENE	2.2	0.025
XYLENES	22.	0.075
SURROGATE RECOVERY		ACCEPTABLE RANGE
	95.34	70% TO 130%

NOTE:

(ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

This sample was diluted to a 1: 5 ratio and the reporting limits adjusted accordingly

CONTACT: Bob Nicholson

PROJECT: Taco Bell

CT ID: 3116

ANALYSIS REPORT

CLIENT: LRA

Date Samples Received: 12/22/91

Date of Analysis: 01/08/92

Sample ID: E9170-E6-1-II

Lab ID: 914509 Matrix: SOIL

ANALYSIS: ORGANIC LEAD

REPORTING LIMIT

Method

CONTACT: Bob Nicholson

P.O. No: Toco Bell

CT ID: 3116

COMPOUND

mg/Kg

mg/Kg

(ppm) (ppm)

ORGANIC LEAD

ND

0.1

DOHS

NOTE:

ANALYSIS REPORT

CLIENT: LRA CONTACT: Bob Nicholson

Date Samples Received: 12/22/91 P.O. No: Toco Bell

Date of Analysis: 01/08/92 CT ID: 3116

Sample ID: E9170-E2-2-II

Lab ID: 914507 Matrix: SOIL

ANALYSIS: ORGANIC LEAD

REPORTING LIMIT Method

COMPOUND mg/Kg mg/Kg (ppm) (ppm)

ORGANIC LEAD ND 0.1 DOHS

ANALYSIS REPORT

CLIENT: LRA CONTACT: Bob Nicholson

Date Samples Received: 12/22/91

Date of Analysis: 01/08/92

Sample ID: E9170-E1-3-II

Lab ID: 914506 Matrix: SOIL

ANALYSIS: ORGANIC LEAD

REPORTING LIMIT Method

P.O. No: Toco Bell

CT ID: 3116

COMPOUND mg/Kg mg/Kg (ppm) (ppm)

ORGANIC LEAD ND 0.1 DOHS

ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 12/27/91

Date of Analysis: 12/31/91

Sample ID: E9170-E1-3-II

Lab ID: 914506 Matrix: SOIL

ANALYSIS: TFH, EPA 5030

REPORTING LIMIT

CONTACT: Bob Nicholson

PROJECT: Taco Bell

CT ID: 3116

COMPOUND mg/Kg mg/Kg (ppm) (ppm)

GASOLINE ND 1

ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 12/27/91

Date of Analysis: 12/31/91

Sample ID: E9170-E2-2-II

Lab ID: 914507

Matrix: SOIL

ANALYSIS: TFH, EPA 5030

REPORTING LIMIT

CONTACT: Bob Nicholson

PROJECT: Taco Bell

CT ID: 3116

COMPOUND mg/Kg mg/Kg (ppm) (ppm)

GASOLINE ND 1

ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 12/27/91

Date of Analysis: 12/31/91

Sample ID: E9170-E1-3-II

Lab ID: 914506 Matrix: SOIL

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg	REPORTING LIMIT (ppm)
BENZENE	ND	0.005
TOLUENE	ND	0.005
ETHYLBENZENE	ND	0.005
XYLENES	ИД	0.015
SURROGATE RECOVERY		ACCEPTABLE RANGE
	97.40	70% TO 130%

NOTE:

(ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

CONTACT: Bob Nicholson

PROJECT: Taco Bell

CT ID: 3116

ANALYSIS REPORT

CLIENT: LRA Environmental

CONTACT: Bob Nicholson

Date Samples Received: 12/27/91

PROJECT: Taco Bell

Date of Analysis: 12/31/91

CT ID: 3116

Sample ID: E9170-E2-2-II

Lab ID: 914507

Matrix: SOIL

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg	REPORTING LIMIT (ppm)
BENZENE	ND	0.005
TOLUENE	ИD	0.005
ETHYLBENZENE	ND	0.005
XYLENES	ND	0.015
SURROGATE RECOVERY		ACCEPTABLE RANGE
	98.37	70% TO 130%

NOTE:

LRA ENVIRONMENTAL

3235 SLINDISE BOULEVARD SUITE F

CHAIN OF CUSTODY

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SAMPLE ID#	TIME	WATER/ SOIL	COMP/ GRAB	VOLUME]	X			TEH	RTEX	OPCANTC		Ì											
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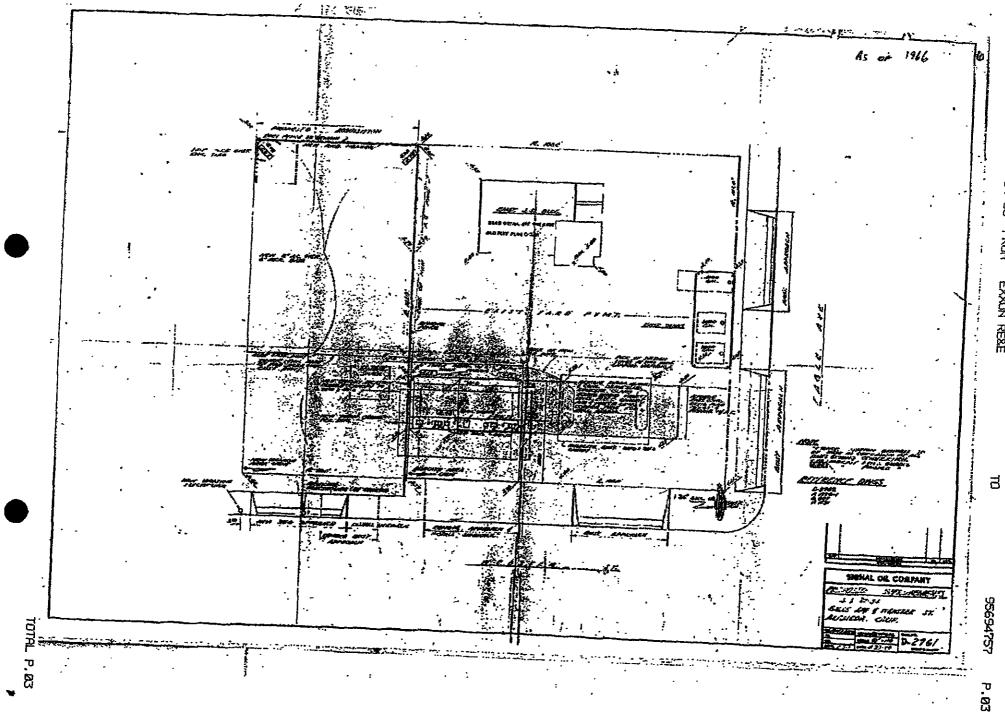
re

DATE	TIME	Sample Received by	DATE	TIME
12-19-91	10:00	ROBERT A. NICHOLSON ROBERT A. NICHOLSON	en 12-19-91	19:00*
		Company LRA ENVIRONMENTAL		
DATE	TIME	Sample Received by	DATE	TIME
elan 12-27-91	1220	Larred Morrise		
		Company MATRIX ENVIRONMENTAL LABORATORY	12-27-21	1220
DATE	THE	Sample Received by	DATE	THE
	12-19-91 DATE DATE 12-27-91	12-19-91 10:00 DATE TIME Lan 12-27-91 12-20	12-19-91 10:00 ROBERT A. NICHOLSON ROBERT A. N	12-19-91 10:00 ROBERT A. NICHOLSON ROBERT A. 12-19-91 Company LRA ENVIRONMENTAL DATE TIME Sample Received by Company MATRIX ENVIRONMENTAL LABORATORY 12-19-91 Company MATRIX ENVIRONMENTAL LABORATORY 12-19-91

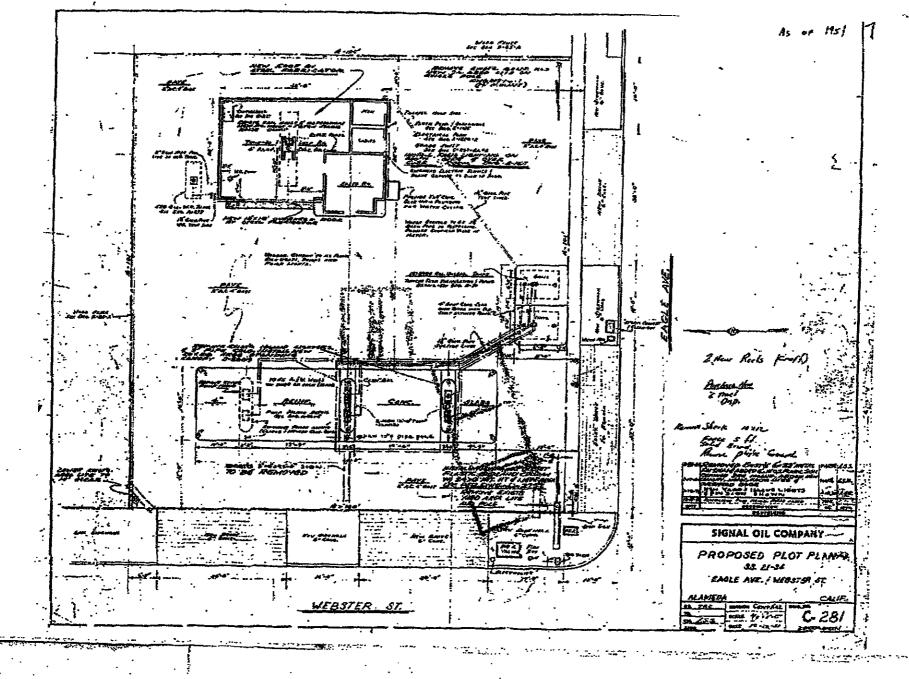
COMMENTS

*Samples sequestered in clean ro on ice

MATRIX CHAIN OF CUSTOD	Y NO	3116		MATRIX ENVIRONMENTAL L			L LAB	ORAT	ORIE:	S	(916) 635-3962 FAX: (916) 635-9331									C.O.C LOG-1		
	Taw,		Y#			NO. of	CONTAINERS	A					\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	ANAL	9						To John Sol	
LAB I.D. #	SAM	IPLE I.D.	DATE SAMPLED	TIME SAMPLED	MATRIX		ŏ			A CA				, X	//			Ι,	//		THE STATE OF	
914506	E 917	10-1E1-3-II	12-19-91		Sail		1	X					X				1			1		COMMENTS:
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EXXON RE&E

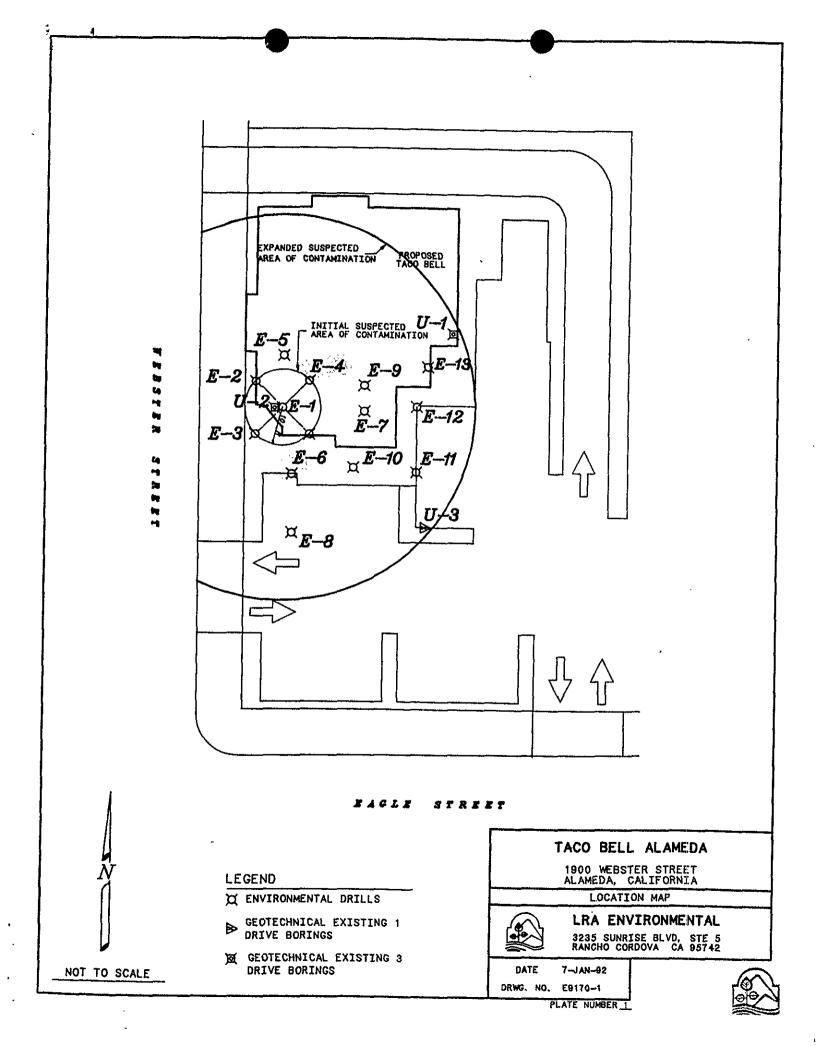


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HAZARDOUS MATERIAL BUSINESS PLAN

Attach Mailing Label Here

A. BUSINESS NAME & MAILING ADDRESS	B. BUSINESS PHONE
C. OWNER	D. SIC CODE
E. ADDRESS OF FACILITY	F. NATURE OF BUSINESS
G. EMERGENCY CONTACT PERSON Name & Title	H. 24-Hour Phone Numbers Business Non-Business
Primary	
Alternate	

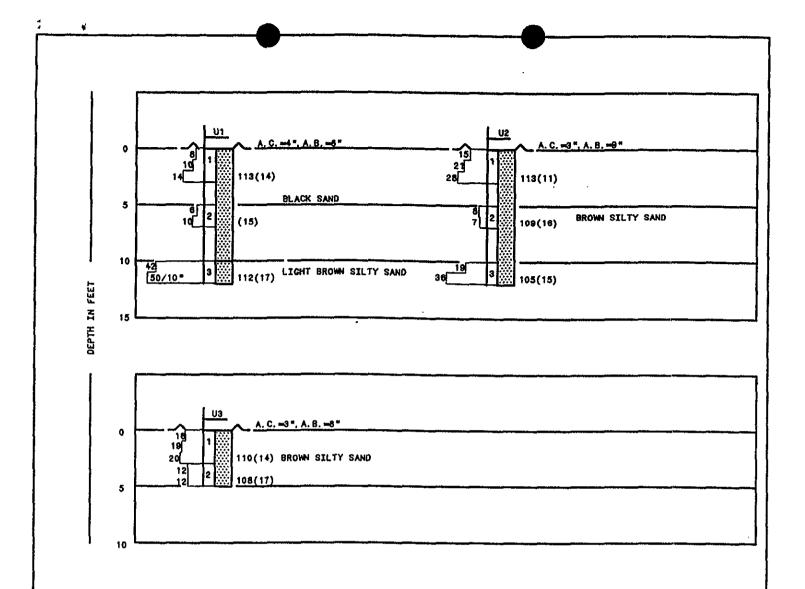


These designations should not be used for hazardous materials in large quantities. Such materials should be designated with the specific name of the chemical or trademark, e.g., acetone, vinyl acetate, sodium hydroxide, kerosene, Clean-wipe 420, WD-40, etc.

- J. All diagrams should be submitted on standard letter size (8 1/2" x 11") paper. If your information is on a computer file disk and you wish to transfer this disk directly, please contact our office for further information.
- K. Specify the size of the facility in square feet including multi-story structures.
- L. Write an Emergency Response and Evacuation Plan for your business at this facility which will include the following emergency response procedures:
 - Immediate notification procedures to the administering agency, appropriate local emergency rescue personnel, and responsible persons within the facility who can respond to an incident.
 - 2. Procedures for the mitigation of a release or threatened release to minimize any potential harm or damage to persons, property, or the environment.
 - 3. Evacuation plans and procedures, including immediate notice, for the business site.
- M. Prepare a training plan which would familiarize all employees in safety procedures in the event of a hazardous materials release. These should include items noted in Part L and incorporate provisions for new employee training, annual training, and refresher courses.

After completing the forms in duplicate, please mail to:

Alameda County Health Agency
Department of Environmental Health
Hazardous Materials: AB 2185
470 - 27th Street, Rm. 322
Oakland, CA 94612



SCALE

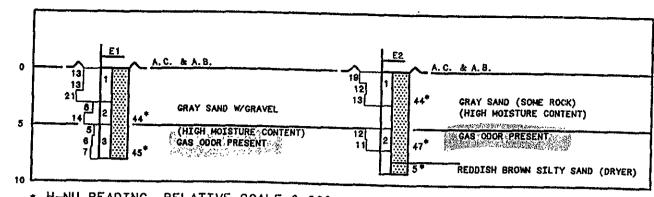
TACO BELL ALAMEDA

GEOTECHNICAL SOIL PROFILE

LRA ENVIRONMENTAL

7-JAN-82 DATE DRWG. NO. E8170~2

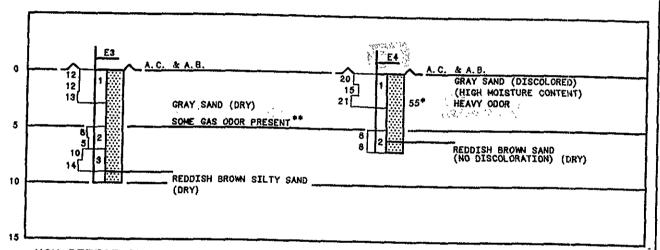
PLATE NUMBER 2



* H-NU READING--RELATIVE SCALE 0-200

폵 DEPTH

1.



** NON-DETECTABLE READING
** HOWEVER, DETECTED BY SENSE OF SMELL

SCALE 50 40 80 20 10 0 BLOWS PER FOOT

TACO BELL ALAMEDA

SOIL PROFILE

LRA ENVIRONMENTAL

7-JAN-92 DATE E9170-2 DRWG. NO. PLATE NUMBER 3

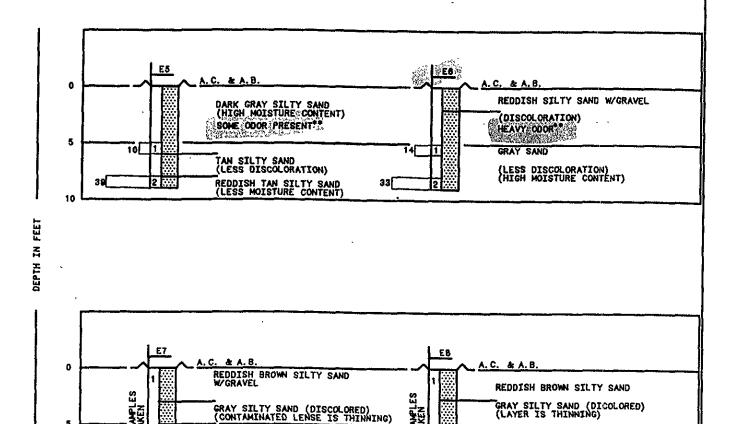


LIST OF ATTACHMENTS

- 1. Instructions
- 2. Glossary
- 3. Hazardous Material Negative Response Form
- 4. Hazardous Material Business Plan Form
- 5. Symbols
- 6. Examples
 - a) Hazardous Material Information Sheets
 - b) Hazardous Waste Information Sheet
 - c) Site Layout Diagram
 - d) Facility Diagram

TABLES

- 1. Common Chemicals
- 2. Common Industrial Wastes
- 3. EPA Waste Category Numbers
- 4. List of Carcinogens



NON-DETECTABLE READING HOWEVER, DETECTED BY SENSE OF SMELL

LITTLE ODOR**

REDDISH BROWN SILTY SAND

4

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SCALE 50 40 80 20 10 0 BLOWS PER FOOT

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TACO BELL ALAMEDA

SOIL PROFILE

LRA ENVIRONMENTAL

DATE

NO ODOR++

REDDISH BROWN SILTY SAND

E9170-2 DRWG. NO.

7-JAN-82 PLATE NUMBER 4

LIST OF CARCINOGENS

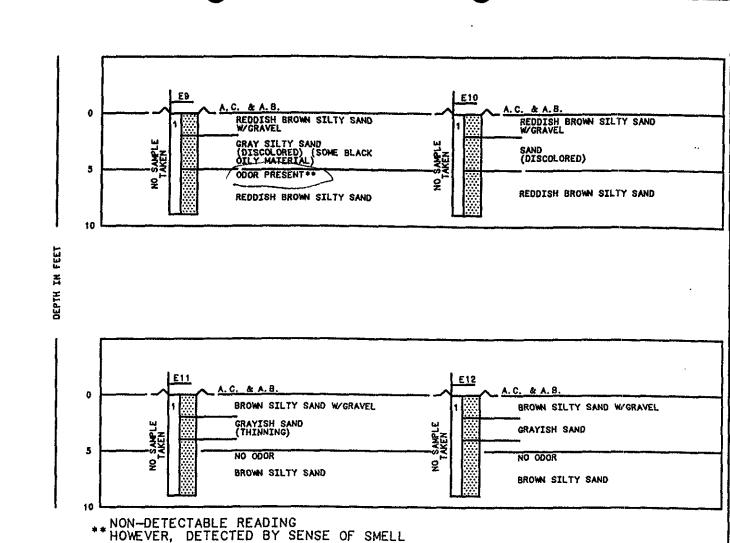
CHEMICAL	CHEMICAL ABSTRACTS REGISTRY NUMBER	PERCENT*
2-Acetylaminofluorene 4-Aminodiphenyl Benzidine (and its salts) 3,3'-Dichlorobenzidine (and its salts) 4-Dimethylaminoazobenzene alpha-Naphthylamine ** beta-Naphthylamine ** 4-Nitrobiphenyl N-Nitrosodimethylamine	92875 91941 60117 134327 91598 92933 62759	1.0 0.1 0.1 1.0 1.0 1.0 0.1
beta-Propiolactone	542881 107302	1.0 0.1 0.1 1.0

The following California Administrative Code Carcinogens should also be reported.

Inorganic Arsenic
Cadmium
Ethylenedibromide
Sodium Arsenite
Vinyl Chloride
Dibromidechloropropane
Ethylene Oxide
4-4'-methylene bis (2-chloroaniline)
Coke Oven Emissions
Asbestos

^{*}By weight or volume

^{**}This section does not apply to these materials in operations involving the destructive distillation of carbonaceous materials, such as occurs in coke ovens.



SCALE 50 40 50 20 10 0 BLOWS PER FOOT

TACO BELL ALAMEDA

SOIL PROFILE

LRA ENVIRONMENTAL

SG-NAL-T DATE DRWG. NO. E9170-2

PLATE HUMBER 5

A. C. & A. B. DEPTH IN FEET 0 BROWN SILTY SAND W/GRAVEL NO SAMPLE TAKEN GRAYISH SAND (LAYER THINNING) 5 NO COOR BROWN SILTY SAND

> SCALE 50 40 80 20 10 0 BLOW PER FOOT

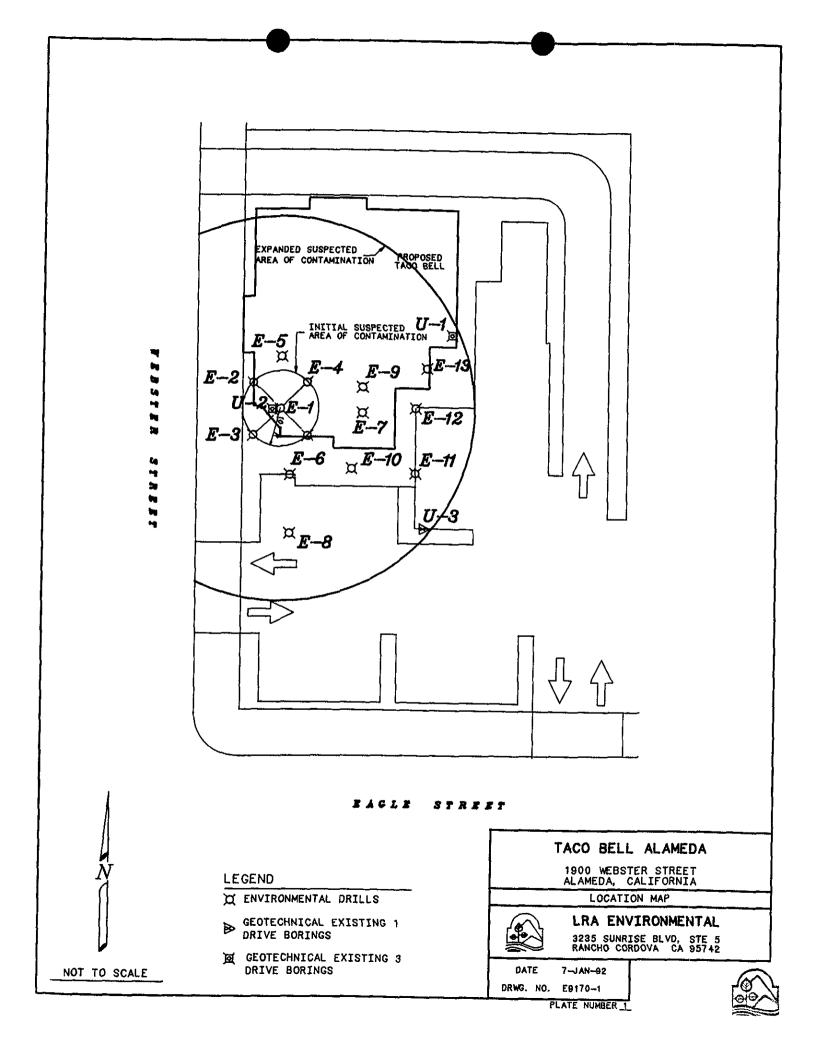
TACO BELL ALAMEDA

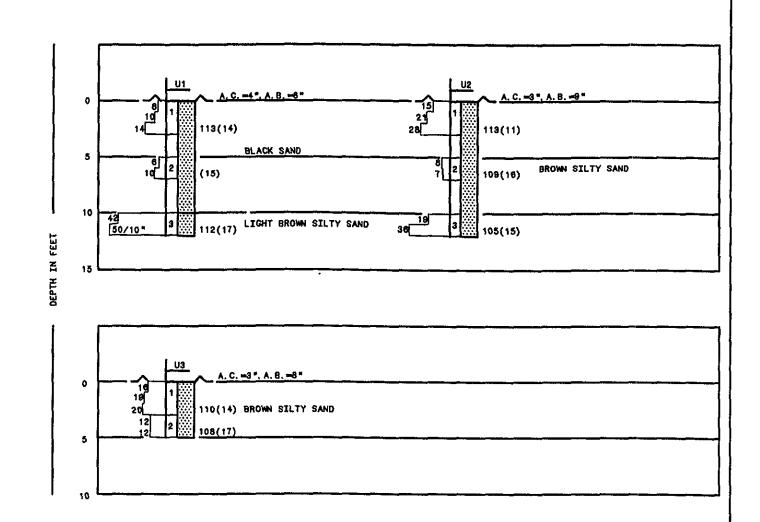
SOIL PROFILE

LRA ENVIRONMENTAL

7-JAN-82 DATE DAME, NO. E9170-2

PLATE NUMBER 6





SCALE 50 40 30 20 10 0 BLOWS PER FOOT

TACO BELL ALAMEDA

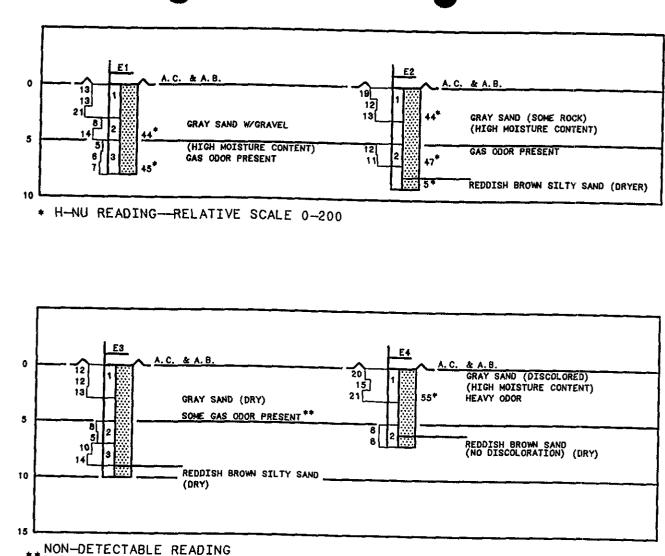
GEOTECHNICAL SOIL PROFILE

LRA ENVIRONMENTAL

7-JAN-92 DATE E9170-2

DRWG. NO. PLATE NUMBER 2





HOWEVER, DETECTED BY SENSE OF SMELL

DEPTH IN FEET

SCALE 50 40 30 20 10 0 SLOW PER FOOT

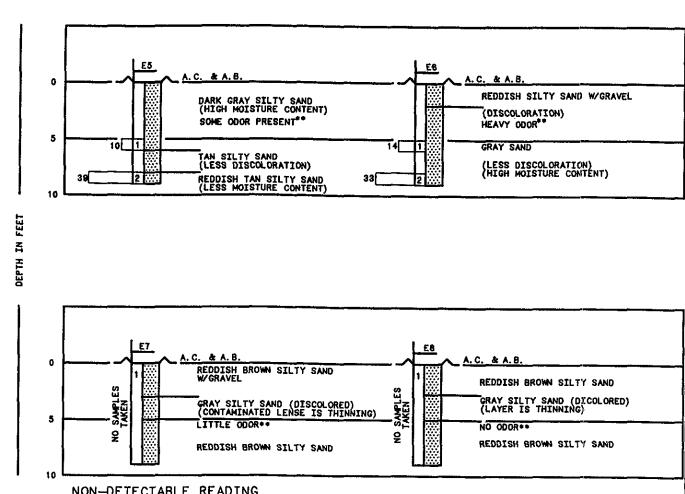
TACO BELL ALAMEDA

SOIL PROFILE

LRA ENVIRONMENTAL

DRWG. NO. E9170-2

7-JAN-92 DATE PLATE NUMBER 3



**NON-DETECTABLE READING
**HOWEVER, DETECTED BY SENSE OF SMELL

SCALE 50 40 80 20 10 0 SLOWS PER FOOT

TACO BELL ALAMEDA

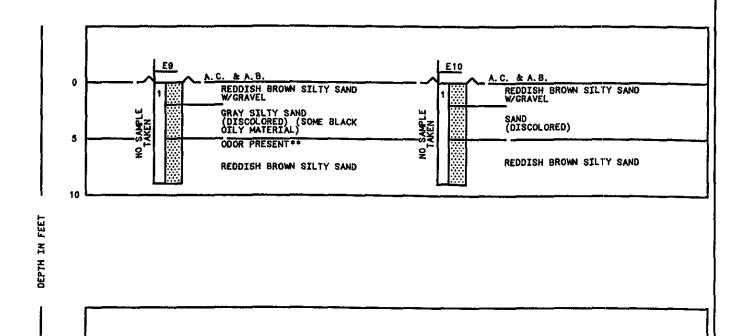
SOIL PROFILE

LRA ENVIRONMENTAL

7-JAN-92 DATE E9170-2 DRWG. NO.

PLATE NUMBER 4





E12

NO SAMPLE TAKEN

A.C. & A.B.

GRAYISH SAND

BROWN SILTY SAND

NO ODOR

BROWN SILTY SAND W/GRAVEL

** NON-DETECTABLE READING
** HOWEVER, DETECTED BY SENSE OF SMELL

A. C. & A. B.

GRAYISH SAND (THINNING)

BROWN SILTY SAND

NO ODOR

BROWN SILTY SAND W/GRAVEL

0

5

10

SAMPLE TAKEN

웆

SCALE 50 40 30 20 10 0 BLOWS PER FOOT

TACO BELL ALAMEDA

SOIL PROFILE

LRA ENVIRONMENTAL

7-JAN-82 DATE DRWG. NO. E9170-2

PLATE NUMBER 5

A.C. & A.B.

BROWN SILTY SAND W/GRAVEL

GRAYISH SAND
(LAYER THINNING)

NO ODOR

BROWN SILTY SAND

SCALE 50 40 80 20 10 0 BLOWN PER FOOT

TACO BELL ALAMEDA

SOIL PROFILE

LRA ENVIRONMENTAL

DATE 7-JAN-92 DRWG, NO. E9170-2

PLATE NUMBER 6

