BLYMYER
ENGINEERS, INC.

BEI

April 7, 1994
STID 363 BEI Job No. 89070

ALCO
HAZMAT
94 APR -8 PM 1:36

Ms. Susan Hugo
Alameda County Health Care Services Agency
Department of Environmental Health
80 Swan Way, Room 350
Oakland, CA 94621

Subject: Peterson Properties
1301 - 65th Street
Emeryville, California

Dear Ms. Hugo:

In accordance with your request, Blymyer Engineers, Inc. is forwarding copies of the following documents related to the underground storage tank (UST) removal and subsequent groundwater monitoring at the subject site:

- Approved Underground Tank Closure/Modification Plan, Certificates of Disposal for the UST, and Uniform Hazardous Waste Manifests for the liquid in the UST and the UST itself
- Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report dated June 15, 1988
- Letter from Blymyer Engineers to the Regional Water Quality Control Board dated July 14, 1988
- Letter from the Alameda County Health Care Services Agency to Blymyer Engineers dated July 20, 1988
- *Initial Subsurface Investigation and Tank Removal Soils Report*, dated July 14, 1988, prepared by Blymyer Engineers
- Quarterly groundwater sampling letter reports dated March 21, 1989; June 6, 1989; August 28, 1989; May 11, 1990; May 11, 1990; June 6, 1990; August 30, 1990; December 10, 1990; March 12, 1991; and May 28, 1991

(510)521-3773 • 1829 Clement Avenue, Alameda, California 94501-1395 • FAX (510)865-2594

If you have any questions, please contact me at 521-3773.

Cordially,

Blymyer Engineers, Inc.

By:_____
Michael S. Lewis
Vice-President, Technical Services

Enclosures

cc: Mr. Ed Peterson (w/o encl.)
Mr. Robert Coussan (w/o encl.)
Mr. Charles Gensler (w/o encl.)
Joe Armao, Esq. (w/o encl.)

mN89070doc.cov

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
470 - 27TH ST., RM. 322
OAKLAND, CA 94612
PHONE NO. 415/874-7237

ACCEPTED
DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street, Third Floor
Oakland, CA 946 2
Telephone (415) 874-7237

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to system as indicated on this Department are to ensure compliance with State and local laws. The project proposed herein is now reviewed for issuance of any required building or grading permits.

One copy of these accepted plans must be on the job site available to all contractors and maintained with the removal.

Any change or alterations of these plans and specifications must be submitted to this Department and in the Finding Building Inspection Department to determine if such changes meet the requirements of State and local laws. Notify this Department at least 48 hours prior to the following required inspections:

_____ Removal of Tank and Piping
_____ Sampling
_____ Final Inspection

Issuance of a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

48 hour notice prior to job performance

Request- Job Performance on June 9 or June 10

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name OAKLAND Diesel
   Business Owner OAKLAND DIESEL Distributors, INC.
2. Site Address 1301 65th St.
   City Emeryville Zip _____ Phone 652-1690
3. Mailing Address Same
   City _____ Zip _____ Phone _____
4. Land Owner Charles Gensler & Geraldine Gensler, AS Trustees of the Gensler Family Trust
   Address _____ City, State _____ Zip _____
5. EPA I.D. No. CAC 0000 89613
6. Contractor R.S. Eagan & Co.
   Address 150-K Mason Circle
   City Concord Phone 415/682-3636
   License Type A,B,C-8,10,61 ID# 471048
7. Other (Specify) _____
   Address _____
   City _____ Phone _____

Project # UST0691
Fee Paid $300
Date 6/3/88

- 1 -
FA

8. Contact Person for Investigation
Name Blymyer Engineers Joe Black Title ENGINEER
Phone 415/521-3773

9. Total No. of Tanks at facility 1

10. Have permit applications for all tanks been submitted to this office? Yes [✓] No [ ]

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter
Name H&H Ship Service EPA I.D. No. CAD004771168
Address 220 China Basin
City San Francisco State Ca Zip 94107

b) Rinsate Transporter
Name Same as Above EPA I.D. No. _____
Address _____
City _____ State _____ Zip _____

c) Tank Transporter
Name H&H Ship Service EPA I.D. No. CAD004771168
Address 220 China Basin
City San Francisco State Ca Zip 94107

d) Contaminated Soil Transporter
Name _____ EPA I.D. No. _____
Address _____
City _____ State _____ Zip _____

12. Sample Collectpr
Name _____
Company Trace Analysis Laboratory
Address 3423 Investment Blvd #8
City Hayward State CA Zip 94545 Phone 783-6960

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
2,000	Diesel		

14. Have tanks or pipes leaked in the past? Yes [ ] No [✓]

If yes, describe. _____

15. NFPA methods used for rendering tank inert? Yes [✓] No [ ]

If yes, describe. Dry ICE

16. Laboratories

Name TRACE Analysis

Address 3423 Investment Blvd #8

City Hayward State CA Zip 94545

State Certification No. 122

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
Diesel Fuel	LUFT Procedure	TPH-D (D.H.S.) BTX & E.

18. Site Safety Plan submitted? Yes [✓] No [ ]

19. Workman's Compensation: Yes [✓] No [ ]

Copy of Certificate enclosed? Yes [✓] No [ ]

Name of Insurer NATIONWIDE 74WC509263-0003

20. Plot Plan submitted? Yes [✓] No [ ]

21. Deposit enclosed? Yes [✓] No [ ]

22. Please forward to this office the following information within 60 days after receipt of sample results.

a) Chain of Custody Sheets

b) Original Signed Laboratory Reports

c) TSD to Generator copies of wastes shipped and received

d) Attachment A summarizing laboratory results

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true. I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I will notify the Department of Environmental Health at least two (2) working days (48 hours) in advance to schedule any required inspections. I understand that site and worker safety are soley the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Signature of Contractor R.S. EAGAN & CO

Name (please type) ROBERT S. EAGAN

Signature [signature]

Date 6/2/88

Signature of Site Owner or Operator

Name (please type) Charles Gensler

Signature Charles Gensler

Date June 2, 1988

NOTES:

1. Any changes in this document must be approved by this Department.
2. Any leaks discovered must be submitted to this office on an underground storage tank unauthorized leak/contamination site report form within 5 days of its discovery.
3. Three (3) copies of this plan must be submitted to this Department. One copy must be at the construction site at all times.
4. A copy of your approved plan must be sent to the landowner.

H & H
SHIP SERVICE COMPANY
W. J. HARRIS

220 CHINA BASIN, P.O. BOX 77363 · SAN FRANCISCO, CA 94107 · DAY AND NIGHT: 543-4835

CERTIFICATES OF DISPOSAL

13 JUNE 1988

H & H Ship Service Company certifies to EAGAN & COMPANY that:

1. The storage tank(s), size(s) 1 - 2,000 gallon

   removed from the OAKLAND DIESEL

   facility at 1301 65th STREET

   EMERYVILLE, CALIFORNIA

   were transported to H & H Ship Service Company, 220 China Basin Street, San Francisco, California 94107.

2. The following tank(s), H & H Job Number: 8020 have been steamed cleaned, cut with approximately 2' X 2' holes, rendered harmless and disposed of as scrap metal.

3. Disposal site: LEVIN METALS CORPORATION, RICHMOND, CALIFORNIA

4. The foregoing method of destruction/disposal is suitable for the materials involved, and fully complies with all applicable regulatory and permit requirements.

5. Should you require further information, please contact (415) 543-4835.

Very Truly Yours,

Cleveland Valrey
Q.A. & Safety Coordinator

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD009896135 | Manifest Document No. 111155

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
CHARLES GENSLER #300
405 PRIMROSE Rd.
BURLINGAME, CA 94010

4. Generator's Phone (415 348-1051)

A. State Manifest Document Number 87851155

B. State Generator's ID

C. State Transporter's ID 902445

D. Transporter's Phone 415 543 4835

5. Transporter 1 Company Name: H+H SHIPSERVICE CO | 6. US EPA ID Number: CAD009771168

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
H+H SHIPSERVICE CO
220 CHINA BASIN
SAN FRANCISCO CA 94107 | 10. US EPA ID Number: CAD009771168

G. State Facility's ID 38-001-78

H. Facility's Phone 415 543 4835

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. EMPTY GASOLINE TANK, WASTE FLAMABLE UN 1203	001	TP	2000	GA	State 312 EPA/Other D001
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
UNDERGROUND GASOLINE STORAGE TANK WITH LESS THAN 1 GALLON RESIDUAL LIQUID IN TANK

K. Handling Codes for Wastes Listed Above
a. 01 | b. | c. | d.

15. Special Handling Instructions and Additional Information

16 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: SUE BLACK AS AGENT FOR CHARLES GENSLER | Signature | Month Day Year: 08 09 90

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: FRED MOGAN | Signature | Month Day Year: 08 09 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

19 Discrepancy Indication Space

20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name | Signature | Month Day Year: 08 09 90

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1 800 424 8802, WITHIN CALIFORNIA CALL 1 (800) 852 7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 2000, Sacramento, CA 95812

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAG000896136 Manifest Document No. 911499

A. State Manifest Document Number 87891499

B. State Generator's ID

3. Generator's Name and Mailing Address
CHARLES GENSLER
405 PRIMROSE Rd. #300
BURLINGAME, CA 94010

4. Generator's Phone (415) 348-1051

5. Transporter 1 Company Name H & H SHIP SERVICE
6. US EPA ID Number CAD004771168

C. State Transporter's ID 902453
D. Transporter's Phone 415-543-4835

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
H & H SHIP SERVICE
220 CHINA BASIN
SAN FRANCISCO, CA

10. US EPA ID Number CAD004771168

G. State Facility's ID 38-001-78
H. Facility's Phone 415-543-4835

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE HAZ. LIQ. N.O.S. NA 9189 ORM-E	001	TT	3000	G	State EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
GAS 98%
H_2O 2%

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information
GLOVES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: SUE BLACK AS AGENT FOR CHARLES GENSLER
Signature: S. Black
Month Day Year: 06 09 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Donald D. Baskerville
Signature: Donald D Baskerville
Month Day Year: 06 09 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
Printed/Typed Name: PETER YIMBO
Signature: Peter O. Yimbo
Month Day Year: 06 09 88

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800 424 8802, WITHIN CALIFORNIA CALL 1-800 852 7550

DHS 8022 A (1/87)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

To: P.O. Box 3000, Sacramento, CA 95812

SENT TO DENNIS BYRNE 6/16/88 LW

8897

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY: [ ] YES [X] NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? [ ] YES [X] NO

REPORT DATE: 06/15/88

CASE #:

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFTY CODE.

SIGNED: _____ DATE: _____

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: Sue Black

PHONE: (415) 521-3773

SIGNATURE: Sue Black

REPRESENTING: [X] OWNER/OPERATOR [ ] REGIONAL BOARD [ ] LOCAL AGENCY [ ] OTHER _____

COMPANY OR AGENCY NAME: Blymyer Engineers, Inc.

ADDRESS: 1829 Clement Ave. (STREET), Alameda, (CITY) CA (STATE) 94501 (ZIP)

RESPONSIBLE PARTY

NAME: Charles Gensler [ ] UNKNOWN

CONTACT PERSON: Terry Horn

PHONE: (415) 348-1051

ADDRESS: 405 Primrose Road, Suite #300, (STREET) Burlingame, (CITY) CA (STATE) 94010 (ZIP)

SITE LOCATION

FACILITY NAME (IF APPLICABLE):

OPERATOR: Oakland Diesel

PHONE: ( )

ADDRESS: 1301 - 65th St., (STREET) Emeryville, (CITY) CA (COUNTY) (ZIP)

CROSS STREET: Hollis St.

TYPE OF AREA: [ ] COMMERCIAL [X] INDUSTRIAL [ ] RURAL [ ] RESIDENTIAL [ ] OTHER _____

TYPE OF BUSINESS: [ ] RETAIL FUEL STATION [ ] FARM [X] OTHER Parts Distributer

IMPLEMENTING AGENCIES

LOCAL AGENCY / AGENCY NAME: County Dept. of Health Services

CONTACT PERSON: Dennis Byrne

PHONE: (415) 271-4320

REGIONAL BOARD: SFRWQCB

CONTACT PERSON: Greg Zentner

PHONE: (415) 465-0840

SUBSTANCES INVOLVED

(1) NAME: Gasoline — QUANTITY LOST (GALLONS): _____ [XX] UNKNOWN

(2) NAME: _____ QUANTITY LOST (GALLONS): _____ [ ] UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED: 06/09/88

HOW DISCOVERED: [ ] INVENTORY CONTROL [ ] SUBSURFACE MONITORING [ ] NUISANCE CONDITIONS [ ] TANK TEST [XX] TANK REMOVAL [ ] OTHER _____

DATE DISCHARGE BEGAN: _____ [X] UNKNOWN

HAS DISCHARGE BEEN STOPPED? [X] YES [ ] NO IF YES, DATE 06/09/88

METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)
[X] REMOVE CONTENTS [ ] REPLACE TANK [XX] CLOSE TANK [ ] REPAIR TANK [ ] REPAIR PIPING [ ] CHANGE PROCEDURE [ ] OTHER _____

SOURCE/CAUSE

SOURCE OF DISCHARGE: [X] TANK LEAK [ ] UNKNOWN [ ] PIPING LEAK [ ] OTHER

TANKS ONLY/CAPACITY: 2,000 GAL; AGE 36 YRS; [ ] UNKNOWN

MATERIAL: [ ] FIBERGLASS [X] STEEL [ ] OTHER _____

CAUSE(S): [ ] OVERFILL [ ] RUPTURE/FAILURE [X] CORROSION [ ] UNKNOWN [ ] SPILL [ ] OTHER _____

CASE TYPE

CHECK ONE ONLY
[ ] UNDETERMINED [ ] SOIL ONLY [X] GROUNDWATER [ ] DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY
[ ] SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) [ ] CLEANUP IN PROGRESS [ ] SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY)
[X] NO ACTION TAKEN [ ] POST CLEANUP MONITORING IN PROGRESS [ ] NO FUNDS AVAILABLE TO PROCEED [ ] EVALUATING CLEANUP ALTERNATIVES

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
[ ] CAP SITE (CD) [ ] EXCAVATE & DISPOSE (ED) [ ] REMOVE FREE PRODUCT (FP) [ ] ENHANCED BIO DEGRADATION (IT)
[ ] CONTAINMENT BARRIER (CB) [X] EXCAVATE & TREAT (ET) [ ] PUMP & TREAT GROUNDWATER (GT) [ ] REPLACE SUPPLY (RS)
[ ] TREATMENT AT HOOKUP (HU) [ ] NO ACTION REQUIRED (NA) [ ] OTHER (OT) _____

COMMENTS

Majority of contaminated soil was removed ~~for~~ from the excavation. Monitoring well was installed 20' down-gradient of tank and plumbing. Well is "clean."

BLYMYER
ENGINEERS, INC.

July 14, 1988
BEI Job No. 8897.1

Mr. Gregg Zentner
REGIONAL WATER QUALITY CONTROL BOARD
1111 Jackson Street
Oakland, CA 94607

SUBJECT: HENRY HORN AND SONS (AGENTS FOR CHARLES GENSLER)
PROPERTY LOCATED AT
1301 65TH STREET
EMERYVILLE, CA

Dear Mr. Zentner:

Please find enclosed two copies of Blymyer Engineers, Inc.'s Initial Site Investigation and Tank Removal Soils Report of this date.

Blymyer Engineers, Inc., was contracted to remove a 2,000 gallon underground gasoline storage tank as well as install one groundwater monitoring well. The subject report constitutes the final results of our work.

If you have any questions please call me at (415)521-3773. We will await your review and comments.

Cordially yours,

Sue Black
Environmental Specialist

SB/sg

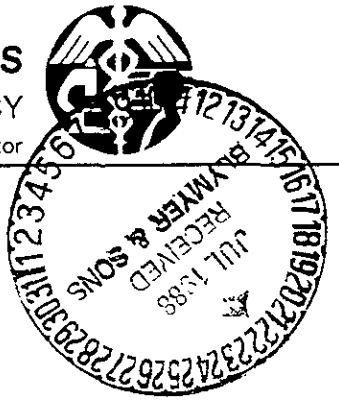
Enclosures

cc: Terry Horn - HENRY HORN AND SONS
Robert Coussan - COLDWELL BANKER
Larry Jones - COLDWELL BANKER

ALAMEDA COUNTY
HEALTH CARE SERVICES
DAVID J. KEARS, AGENCY
~~XXXXXXXXXXXX~~ Agency Director

Departr t of Environmental Health
Hazardo Materilas Division
80 Swan Way, Room 200
Oakland, CA 94621

470-27th Street, Third Floor
Oakland, California 94612
(415) 271-4320



Terry Horn / 3597.1
Copy
cnt

20 July 1988

Ms. Sue Black
Blymyer Engineers Inc.
1829 Clement Ave
Alameda, Ca. 94501

Dear Ms. Black:

Thankyou for the analytical data submitted to this office concerning the underground storage tank removal conducted at 1301 65th St, Emeryville on the 9th of June, 1988. It is the opinion of the Alameda County Department of Environmental Health, Hazardous Materials Division, that the work performed meets the requirements of the California Administrative Code, Title 23.

Please be aware that final approval of the ground water monitoring well system established at this site is the responsibility of the San Francisco Bay Regional Water Quality Control Board.

If you have any questions concerning this matter please contact, Dennis Byrne, Hazardous Materials Specialist, at (415)271-4320.

Sincerely,

Edgar L Howell

for Rafat A. Shahid, Chief,
Hazardous Materials Division

EBH:DB

cc:Lisa McCann, RWQCB.

INITIAL SUBSURFACE INVESTIGATION

AND TANK REMOVAL SOILS REPORT

FOR

HENRY HORN AND SONS
BURLINGAME, CALIFORNIA

BY

BLYMYER ENGINEERS, INC.
1829 CLEMENT AVENUE
ALAMEDA, CALIFORNIA 94501

JULY 14, 1988

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INTRODUCTION

Blymyer Engineers was retained by Henry Horn & Sons to provide environmental services required for the sale of real estate property located at 1301-65th Street, Emeryville, California. These services included the installation of one groundwater monitoring well near the tank location and the removal of one 2,000 gallon underground storage tank. This report conveys the results of the performance of these tasks per Regional Water Quality Control Board notification and reporting requirements.

SITE HISTORY

The building and 2,000 gallon underground storage tank on site were installed in 1952. The tank and associated piping, which was used for gasoline storage until January, 1972, passed Precision tank testing two years ago (Exhibit A). The tank was filled with water for the tank test.

The property has been leased for the last seven years by Oakland Diesel Distributing Corporation. Oakland Diesel uses the site as a center for the sale and repair of engine parts.

SITE LOCATION & GEOLOGY

The site is located to the east, northeast of the San Pablo Ridge in an industrialized section of Emeryville, CA. The topography is relatively flat with low rolling hills to the east. The San Francisco Bay is approximately 1/2 mile to the west (Exhibit B). The site is underlain by stiff bay mud. Groundwater was expected to be between 5 feet and 10 feet and is typically non-potable in this area.

MONITORING WELL INSTALLATION

One 2" diameter .020 slotted PVC monitoring well was installed Wednesday, June 8, 1988, by All Terrain Exploration, Roseville, CA. An 8-1/4" tire mounted, hollow-stem, auger rig was used to drill the bore. A geologist from Ensco, Inc. was on site to log the bore. (Exhibit C). The groundwater monitoring well could not be installed in the tank backfill or within 10' of the tank excavation in the down gradient direction because of the presence of overhead power lines. The well was installed approximately 25 feet southwest of the tank. This location is inferred to be hydraulically downgradient of the tank. (Exhibit B).

The bore was drilled to a depth of 26 feet; however, when removing the augers to set the well screen, some soil collapsed into the hole. As a result, the final well depth is 23 feet deep with 20 feet of screen. Due to the well screen configuration, only 3 feet of casing was installed instead of the intended 5 feet. #3 Lonestar Sand was used as filter pack which was brought up to a depth of one foot above screen height. Six inches of

bentonite pellets were then placed and finally 1-1/2 feet of concrete was added as a sanitary seal to grade. A locking well monument and a traffic-rated well cover were installed.

The well was developed by bailing on June 9, 1988 by All Terrain Exploration. All bailed well water was collected in two 55 gallon drums. During the bailing sequence groundwater quickly recharged. On June 16, 1988 the depth of groundwater was observed to be at 4 feet 9 inches.

SOIL SAMPLING

Samples were collected at five foot intervals to a depth of first water, 14 feet, using a California split-spoon sample. Slight hydrocarbon odors were detected at the time of drilling. Samples were logged and properly prepared for transportation to Trace Analysis Laboratory, Hayward, California, a State-certified laboratory. (Exhibit D).

The samples were analyzed for TPH-g and BTXE. The results of these analyses are presented in Exhibit D and are summarized in Table I.

TABLE I

SOIL BORING SAMPLE ANALYTICAL RESULTS (ppb)

	TPH-g	BENZENE	TOLUENE	XYLENE	EYTHL-BENZENE
MW-1 5'	35,000	580	460	4,900	670
MW-1 10'	630	20	<10	<20	<10
MW-1 15'	<500	<10	<10	<20	<10

These results indicate that the majority of the petroleum constituents are located above 10 feet bgs and are, therefore, not present in the water-saturated soils.

WATER SAMPLING

One water sample was collected from the monitoring well and analyzed for TPH-g, BTXE and EPA Method #624/8240 constituents. The results of these analyses are presented in Exhibit D. The results of the TPH-g and BTXE analyses are summarized in Table II.

TABLE II

MONITORING WELL ANALYTICAL RESULTS (ppb)

	TPH-g	BENZENE	TOLUENE	XYLENE	ETHYL-BENZENE
MW-1	1,400	<3	<10	15	<4

UNDERGROUND STORAGE TANK REMOVAL

The underground storage tank was removed on June 9, 1988, by the subcontractor, Eagan & Company. Prior to tank removal, H & H Ship Service removed a 60% water and 35% gas mixture from the tank. A 3 inch gas main and an unidentified line layed over the longitudinal axis of the tank.

The tank backfill consisted of foundry sand which has become cemented since the tank was installed. Excavation of cemented backfill was difficult and required a considerable amount of time.

Groundwater began infiltrating the excavation to a depth of approximately 12 feet bgs. A sheen was visible on the water-table. The majority of contaminated soil was removed from the excavation and stock-piled on Visqueen. Clean soil was separated from contaminated soil based upon apparent odors.

An inspection of the tank indicated that two 1-inch diameter holes had developed due to corrosion at the bottom of the tank and along the fill riser.

Tank Soil Samples

Soil samples were collected by Trace Analysis from beneath the tank (approximately one foot into native soil) at both ends of the tank. (This corresponds to a depth of approximately 11 feet). A soil sample was also collected from a depth of 12 feet along the south wall of the excavation. The soil was brought to the surface for sampling by the backhoe. The results of the soil samples were as follows:

TABLE III

TANK SOIL SAMPLE RESULTS (ppb)

	TPH-g	BENZENE	TOLUENE	XYLENE	ETHYL-BENZENE
#1 - Fill	180	53	<10	<5	<4
#2 - Vent	<40	<3	<10	<5	<4
#3 - 12'	<40	<3	<10	<5	<4

Mr. Jim Ingersole, City of Emeryville Fire Department, was on site during the removal of the tank from the excavation and soil sampling. Because a telephone and electric utility pole bordered the north side of the excavation, the excavation was immediately backfilled with crushed rock to support the pole. The contaminated soil pile was covered with Visqueen.

In compliance with California State Regulations, an Unauthorized Release Form has been filed with the Alameda County Department of Health Services, and the RWQCB, BAAQMD and DOHS have all been notified of the leak. Mr. Dennis Bryne is the official contact for this site at the Alameda County Department of Health Services.

Well Survey

A reconnaissance survey of wells located within a 1/2 mile radius of the site was conducted via telephone conversations with the Alameda County Flood Control District. The results of this survey indicate that no water supply wells are located within 1/2 mile of the site.

Soil Pile Samples

Three soil pile samples were obtained from the contaminated soil pile on June 16, 1988 to confirm the tank soil sample analytical results. Samples were collected from the most obvious points of contamination. Table III indicates the analytical results as performed by Trace Analysis Laboratories.

TABLE IV

SOIL PILE ANALYTICAL RESULTS (ppb)

	THP-g	BENZENE	TOLUENE	XYLENE	ETHYL-BENZENE
NE, Pile	340	28	<10	<20	<20
S Pile	54,000	310	49	470	82
NW, Pile	220,000	2,400	<1,000	22,000	<2,000

Conclusions

Based upon the above-mentioned observations and analytical results, Blymyer Engineers concludes the following:

- The site is located in an industrial area.
- Groundwater is non-potable and is assumed to be brackish in quality.
- The tank has not been used for 16 years. In addition, the tank passed testing two years ago. Therefore, it appears that contamination has only recently entered the subsurface.
- Although two underground utility lines ran along tank top, these lines appeared to have been back-filled with native soil rather than with typical sandy back-fill. This native soil has a very low permeability. Therefore, laterial migration away from the tank site is unlikely. The real extent of contamination is assumed to be localized to the tank excavation.
- Although groundwater has been impacted from the leaking tank, the down gradient monitoring well shows only minimal contamination of 1.4 ppm of total petroleum hydrocarbons as gasoline and .015 ppm of Xylene.
- There are no water supply wells located within 1/2 mile of the site.

RECOMMENDATIONS

Blymyer Engineers recommends that the groundwater quality at the site be monitored by sampling MW-1 on a quarterly basis. The collected water sample should be analyzed for TPH-g and BTXE. Quarterly reports must be submitted to the RWQCB.

Gasoline contamination soil is in the process of being moved and spread on site for aeration in a 15' x 80' x 1' pile. The BAAQMD will be notified 24 hours in advance of aeration.

Blymyer Engineers, Inc. does not believe any other action be taken at this time and that the groundwater contamination found in the monitoring well is below action levels based upon the assumed water quality in this area of Emeryville.

EXHIBIT "A"

PRECISION TANK TEST RESULTS

Data Chart for Tank System Tightness Test

petro tite
TANK TESTER

6697.1

PLEASE PRINT

1. OWNER Property ☐ Tank(s) ☐
WINZLER & KELLY — Name
WINZLER & KELLY — Address — Representative — Telephone

2. OPERATOR
Name — Address — Representative — Telephone
1301 65TH ST EMERYVILLE, CA

3. REASON FOR TEST (Explain Fully)
OWNER REQUESTED

4. WHO REQUESTED TEST AND WHEN
MIKE MATSON — Name — Title — WINZLER & KELLY — Company or Affiliation — Date
Address — Telephone

5. WHO IS PAYING FOR THIS TEST?
WINZLER & KELLY — Company, Agency or Individual — MIKE MATSON — Person Authorizing — Title — Telephone
Billing Address — City — State — Zip
Attention of: — Order No. — Other Instructions

6. TANK(S) INVOLVED

Identify by Direction	Capacity	Brand/Supplier	Grade	Approx. Age	Steel/Fiberglass
SINGLE	2000				STEEL

7. INSTALLATION DATA

Location	Cover	Fills	Vents	Siphones	Pumps
NORTH OF BUILDING	CONCRETE	4"	3"	N/A	SUCTION
North inside driveway, Rear of station, etc.	Concrete, Black Top, Earth, etc.	Size, Fillfill make, Drop tubes, Remote Fills	Size, Manifolded	Which tanks?	Suction, Remote, Make if known

8. UNDERGROUND WATER
Depth to the Water table _____"
Is the water over the tank? ☐ Yes ☒ No

9. FILL-UP ARRANGEMENTS
Tanks to be filled _____ hr. _____ Date Arranged by _____ Name — Telephone
Extra product to "top off" and run TSTT. How and who to provide? Consider NO Lead.
Terminal or other contact for notice or inquiry _____ Company — Name — Telephone

10. CONTRACTOR, MECHANICS, any other contractor involved

11. OTHER INFORMATION OR REMARKS
Additional information on any items above. Officials or others to be advised when testing is in progress or completed. Visitors or observers present during test etc.

12. TEST RESULTS
Tests were made on the above tank systems in accordance with test procedures prescribed for petro tite TANK TESTER as detailed on attached test charts with results as follows:

Tank Identification	Tight	Leakage Indicated	Date Tested
SINGLE	YES	.0086 G.P.H.	11-11-85

13. CERTIFICATION
4-24-84 — Date
This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Association Pamphlet 329.
TRIANGLE OF S[illegible] — Testing Contractor or Company — By: [illegible] — Signature
708

Petro Tite

16. TANK TO TEST

[illegible]

18. CAPACITY

[illegible]: 1000 — [illegible]: 1052

17. FILL-UP FOR TEST

Testing with [illegible]

Readings: 75 — 1051

[illegible] — Top off

Tank Diameter: 1000

19. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK

☐ Water in tank ☐ High water table in tank excavation ☐ Line(s) being tested with LTTT

VAPOR RECOVERY SYSTEM

☐ Stage I
☐ Stage II

18. TANK MEASUREMENTS FOR TSTT ASSEMBLY

20. EXTENSION HOSE SETTING

21. TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK

22. Thermal-Sensor reading after circulation: 16241 — 71/72 °F

23. Digits per °F in range of expected change: 375

24. 3059 × .000115 = .236785 gallons

25. .236785 ÷ 375 = .0007285

27. Time	28. Record details of setting up and running test	29. Reading No.	30. Beginning of Reading	30. Level to which Restored	32. Before Reading	32. After Reading	Product Replaced (+/−)	35. Thermal Sensor Reading	36. Change	37. Computation	Net Volume Change	39. Accumulated Change
0755	ARRIVE JOB SITE & FOUND TANK TOPPED OFF											
0775	START SETTING UP TESTING EQUIP											
0815	START PUMP RUNNING											
0830	MAINTAIN FILL LEVEL ABOVE 42"											
0845								16		.0007		
0900	TOOK 1ST SENSOR READING							241				
0915	START HI LEVEL TEST	1		42	.950	.750	.200	248	+7	+.005	−.205	
0930		2		42	.750	.660	−.090	255	+7	+.005	−.095	
0945		3		42	.660	.550	−.110	260	+5	+.004	−.114	
1000		4		42	.550	.450	−.100	263	+3	+.002	−.102	
1015		5		42	.450	.370	−.080	265	+2	+.001	−.081	
1030		6		42	.370	.290	−.080	269	+4	+.003	−.083	
1031	DROP to low LEVEL											
1045	START LOW LEVEL TEST	7		12		N/A		271	N/A			
1100		8		12	.350	.360	+.010	275	+4	+.003	+.007	+.007
1115		9		12	.360	.360	+.000	278	+3	+.001	−.001	+.006
1130		10		12	.360	.360	+.000	281	+3	+.001	−.001	+.005
1145		11		12	.360	.350	−.010	285	+4	+.003	−.013	−.008

EXHIBIT "B"

SITE LOCATION MAP PLOT PLAN


SAN FRANCISCO BAY
SITE LOCATION
BERKELEY HARBOR
BERKELEY YACHT CLUB
HORSESHOE PARK
FISHING PIER
EMERYVILLE MARINA
BERKELEY
EMERYVILLE
EMERYVILLE
OAKLAND
RADIO TOWER
EASTSHORE FRWY
SEWAGE TREATMENT PLANT
SAN PABLO
ASHBY
POWELL
OCEAN
HOLLIS
DOYLE
66TH
65TH
64TH
63RD
62ND
61ST
59TH
53RD
45TH
34TH
ADDISON
ALLSTON
BANCROFT
CHANNING
DWIGHT
CUTTER
PARKER
CARLETON
PARDEE
GRAYSON
HEINZ
ANTHONY
FOLGER
MATHEWS
MABEL
OREGON
BURNETT
GARRISON
BEAUDRY
FREMONT
MARSHALL
HAVEN
PARK AV
YERBA BUENA
SHELLMOUND
HORTON

EXHIBIT B

65TH STREET

UTILITY POLE
(TYP. 2 LOCATIONS)

TANK
EXCAVATION

MW-1

BUILDING
130' 65TH STREET

HOLLIS STREET

N

BLYMYER & SONS ENGINEERS, INC.
1829 CLEMENT STREET • ALAMEDA CA 94501

SCALE 1"=30'-0"	FOR HENRY HORN & SONS
DRAWN BE DATE 6-16-88	
CHECKED	TITLE SITE PLAN
APPROVED	
JOB NO 8897.1	DRAWING NO EXHIBIT B
	REV

EXHIBIT "C"

LOG OF BORE

Blymyer Engineers, Inc.

Client Henry Horn and Sons
Site 1301 65th, Emeryville

Exploratory Bore Log
Date 6/8/88
Job# 8897 1
Rig 8 1/4" Hollow Stem Auger
Diameter 2"
Boring No. MW-1

Driller All Terrain Exploration Drilling
Logged by. Steve Costello/Ensco Environmental Services

Description and Classification

Description and Remarks	Color	Blow Counts	Consist.	Soil Type	Depth	Sample	Notes
Pavement 4" Asphalt							No odors
Fill Sandy clayey gravel	Drk Brn				1		
Clay With minor silt and trace fine sand	Drk Brn			CH			Slight odor Damp
Sandy Clay. With fine to coarse sand	Grayish Green	7/15/28	Hard		5	1-1	Slight odor Damp
- Becomes mottled with light brown at 5', few rootholes							
- Becomes very silty		5/8/10	Very Stiff		10	1-2	Very slight odor Damp
- Less silt, rootholes approx. 3-5 mm dia	Lighter	8/13/20	Hard	CH	▽ 15	1-3	Wet No odors
- As above, grayish gray mottling, trace organic staining, rare shell fragments	Light Brown	10/15/19			20		No odors No liners
- Becomes very silty low plasticity, one 4" black saturated silty sand lense		9/11/14	Very Stiff	CL	25		Wet No odors No liners
Bottom of Borehole							
					30		

EXHIBIT C

EXHIBIT "D"

ANALYTICAL RESULTS & CHAIN-OF-CUSTODY

Trace Analysis Laboratory, Inc.
3423 Investment Boulevard, #8 • Hayward, California 94545 *(415) 783-6960*

TAL

DATE: 6/13/88

LOG NO.: 6061

DATE SAMPLED: 6/8/88

DATE RECEIVED: 6/8/88

CUSTOMER: Blymyer Engineers, Inc.

REQUESTER: Sue Black

PROJECT: No. 8897, Blymyer Engineers

Sample Type: Soil

Method and Constituent	Units	MW1-1 Concentration	MW1-1 Detection Limit	MW1-2 Concentration	MW1-2 Detection Limit	MW1-3 Concentration	MW1-3 Detection Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/kg	35,000	5,000	630	500	< 500	500
Modified EPA Method 8020:							
Benzene	ug/kg	580	200	20	10	< 10	10
Toluene	ug/kg	460	200	< 10	10	< 10	10
Xylenes	ug/kg	4,900	300	< 20	20	< 20	20
Ethyl Benzene	ug/kg	670	200	< 10	10	< 10	10

Hugh R. McLean

Hugh R. McLean
Supervisory Chemist

HRM:vls

CHAIN OF CUSTODY RECORD

PROJECT NO	PROJECT NAME
8897	BLYMYER ENGINEERS

SAMPLERS (Signature) Angela Lotta

NO	DATE	TIME	DRIVE	GRAB	STATION AND LOCATION	TPH-g & BTEX #8240	REMARKS
MW1-1	6/8/88					X X	
MW1-2	↓					X X	
MW1-3	↓					X X	

RELINQUISHED BY	DATE	TIME	RECEIVED BY
Angela Lotta			
RELINQUISHED BY	DATE	TIME	RECEIVED BY

RELINQUISHED BY	DATE	TIME	RECEIVED BY
RELINQUISHED BY	DATE	TIME	RECEIVED BY
	6/8/88	12:20	RACE ANALYSIS LABORATORY 983 INVESTMENT BLVD, UNIT 8 HAYWARD, CA 94545

REMARKS

ENSCO JOB # 1843G

* * *

REPORT TO SUE BLACK, BLYMYER ENGINEERS

DISTRIBUTION

ensco
41638 CHRISTY STREET (415) 783-6960
FREMONT, CA 94538
(415) 659-0404
CONT LIC #464324

* FORM DATED 1-28-87

DATE: 6/20/88
LOG NO.: 6073
DATE SAMPLED: 6/9/88
DATE RECEIVED: 6/9/88
PAGE: Two

Sample Type: Water

Method and Constituent	Units	MW1 Concentration	MW1 Detection Limit
DHS Method:			
Total Petroleum Hydrocarbons as Gasoline	ug/l	1,400	40
Modified EPA Method 8020:			
Benzene	ug/l	< 3	3
Toluene	ug/l	< 10	10
Xylenes	ug/l	15	5
Ethyl Benzene	ug/l	< 4	4
EPA Method 8240:			
Chloromethane	ug/l	< 3	3
Bromomethane	ug/l	< 3	3
Vinyl chloride	ug/l	< 3	3
Chloroethane	ug/l	< 3	3
Methylene chloride	ug/l	< 9	9
Trichlorofluoromethane	ug/l	< 3	3
1,1-Dichloroethene	ug/l	< 3	3
1,1-Dichloroethane	ug/l	< 3	3
trans-1,2-Dichloroethene	ug/l	100	3
Chloroform	ug/l	< 3	3
1,2-Dichloroethane	ug/l	< 3	3
1,1,1-Trichloroethane	ug/l	< 3	3
Carbon tetrachloride	ug/l	< 3	3
Bromodichloromethane	ug/l	< 3	3
1,2-Dichloropropane	ug/l	< 3	3
trans-1,3-Dichloropropene	ug/l	< 3	3
Trichloroethene	ug/l	52	3
Benzene	ug/l	< 3	3

DATE: 6/20/88
LOG NO.: 6073
DATE SAMPLED: 6/9/88
DATE RECEIVED: 6/9/88
PAGE: Three

Sample Type: Water

Method and Constituent	Units	MW1 Concentration	MW1 Detection Limit
EPA Method 8240 (Continued):			
Dibromochloromethane	ug/l	< 3	3
1,1,2-Trichloroethane	ug/l	< 3	3
cis-1,3-Dichloropropene	ug/l	< 3	3
2-Chloroethylvinyl ether	ug/l	< 3	3
Bromoform	ug/l	< 3	3
1,1,2,2-Tetrachloroethane	ug/l	5.2	3 ✓
Tetrachloroethene	ug/l	< 3	3
Toluene	ug/l	< 9	9
Chlorobenzene	ug/l	< 3	3
Ethyl benzene	ug/l	< 3	3
1,3-Dichlorobenzene	ug/l	< 3	3
1,2-Dichlorobenzene	ug/l	< 3	3
1,4-Dichlorobenzene	ug/l	< 3	3
Other Constituents Identified:			
Butane	ug/l	33	20 ✓
Cyclopentane	ug/l	20	20 ✓
2-Methyl-Butane	ug/l	63	20 ✓
Cyclohexane	ug/l	29	20 ✓
2-Ethyl-3-Methyl-1-Butene	ug/l	37	20 ✓

Hugh R. McLean
Supervisory Chemist

HRM:mln

Office of Enforcement

CHAIN OF CUSTODY RECORD

PROJ NO.	PROJECT NAME
8897	HENRY HOWARD & SONS

SAMPLERS: (Signature) [illegible] WATER SAMPLE

BILL TO BLYMYER ENGINEERS

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	#8240 w/ 10 PEAKS	TPH-g + BTXE	REMARKS
MW-1	6/10	11:15		X	monitoring well	2	X	X	48 hr TURNAROUND
MW-1	6/10	11:25		X	↓	2	X	X	
									RETURN ICE CHEST TO BLYMYER

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	6/9/88 2:00	[signature]			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
			6/9/88		

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

3– 0605

Trace Analysis Laboratory, Inc.
3423 Investment Boulevard, #8 • Hayward, California 94545 *(415) 783-6960*

TAL

DATE: 6/20/88

LOG NO.: 6073

DATE SAMPLED: 6/9/88

DATE RECEIVED: 6/9/88

CUSTOMER: Blymyer Engineers, Inc.

REQUESTER: Sue Black

PROJECT: No. 8897, Henry Horn and Sons

Sample Type: Soil

Method and Constituent	Units	No. 1, Fill End Concentration	No. 1, Fill End Detection Limit	No. 2, Vent End Concentration	No. 2, Vent End Detection Limit	No. 3, 12 ft. Concentration	No. 3, 12 ft. Detection Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/kg	180	100	< 500	500	< 500	500
Modified EPA Method 8020:							
Benzene	ug/kg	52	10	< 10	10	< 10	10
Toluene	ug/kg	< 10	10	< 10	10	< 10	10
Xylenes	ug/kg	< 20	20	< 20	20	< 20	20
Ethyl Benzene	ug/kg	< 10	10	< 10	10	< 10	10

Trace Analysis Laboratory, Inc.
3423 Investment Boulevard, #8 • Hayward, California 94545 (415) 783-6960

TAL

Jahnny Hora & Sons

CHAIN OF CUSTODY RECORD

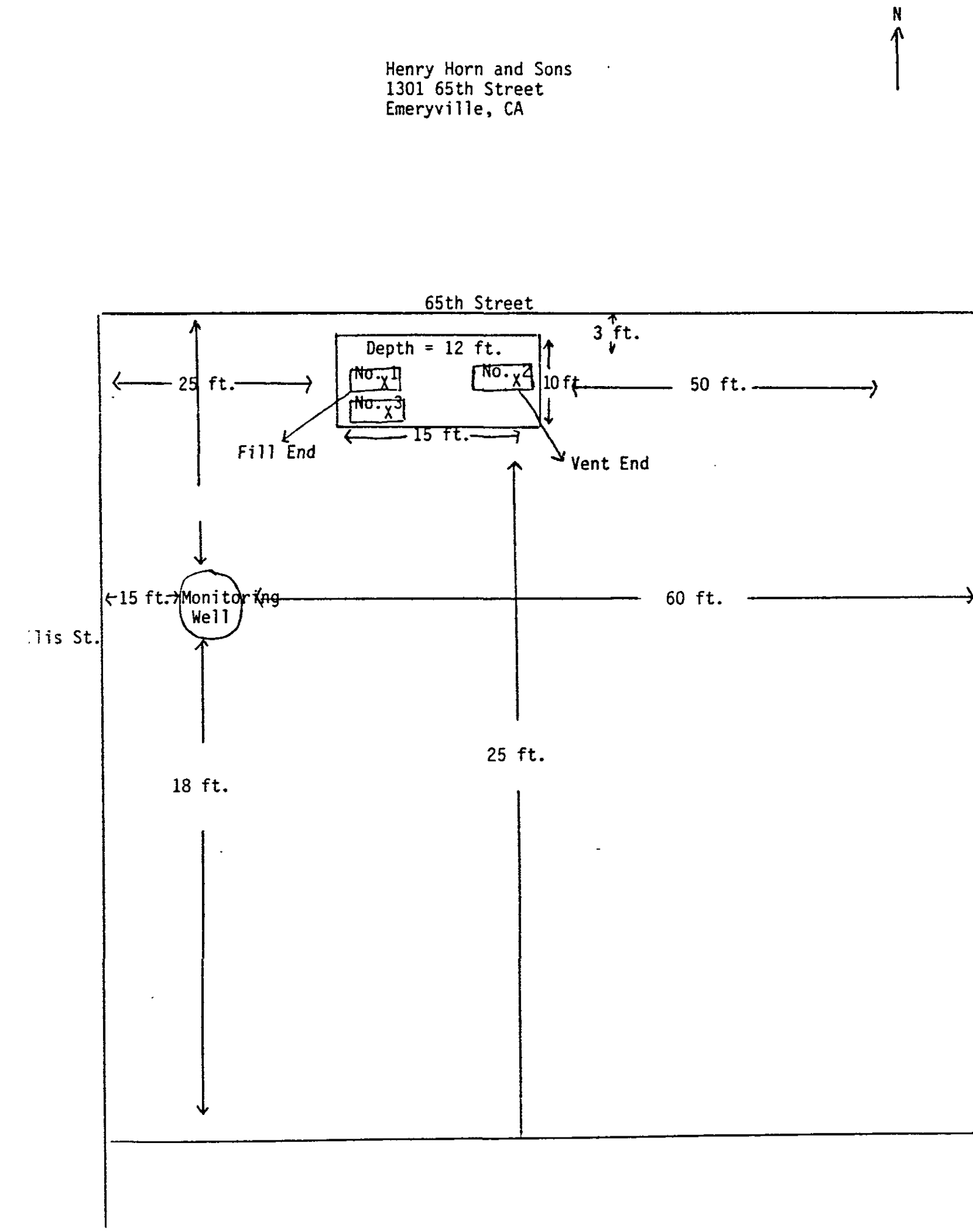
PROJ. NO. | PROJECT NAME: 1301. 65 st. Emeryville CA

SAMPLERS: (Signature) (TAC)

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TPH/G-BTXE	REMARKS
1	6/9	2:50		V	Fill end	1	V	Soil
2	"	3:00		V	Vent end	1	V	↓
3	↓	3:10		V	12ft. DEEP.	1	V	

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
			6/9 / 8		

Henry Horn and Sons
1301 65th Street
Emeryville, CA



8897.1

Trace Analysis Laboratory, Inc.
3423 Investment Boulevard, #8 • Hayward, California 94545 *(415) 783-6960*

TAL

DATE: 7/5/88

LOG NO.: 6107

DATE SAMPLED: 6/16/88

DATE RECEIVED: 6/17/88

CUSTOMER: Blymyer Engineers, Inc.

REQUESTER: Sue Black

PROJECT: No. 8897.1, Henry Horn and Son

		Sample Type: Soil					
		No. 1, N.E. Pile		No. 2, South Pile		No. 3, N.W. Pile	
Method and Constituent	Units	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/kg	340	300	54,000	500	220,000	10,000
Modified EPA Method 8020:							
Benzene	ug/kg	28	10	310	10	2,400	1,000
Toluene	ug/kg	< 10	10	49	10	< 1,000	1,000
Xylenes	ug/kg	< 20	20	470	20	22,000	2,000
Ethyl Benzene	ug/kg	< 20	20	82	20	< 2,000	2,000

Hugh R. McLean
Supervisory Chemist

HRM:mln

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

CHAIN OF CUSTODY RECORD

PROJ NO.: 4897.1 | PROJECT NAME: Henry Horn & Son

SAMPLERS: (Signature) Michael S. Lee

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TPH as gasoline	BTXE	on ice			REMARKS
1	6/16/88	2401		X	NE PILE	1	X	X	X			10 day TAT
2	↓	2:50P		X	SOUTH PILE	1	X	X	X			↓
3	↓	3:00P		X	NW PILE	1	X	X	X			Invoice to Blymyer Engineers

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Michael S. Lee	6/16/88 5:00P	Dan Gorecki	Dan Gorecki	6/17/88 9:03AM	JAL Jan Noon
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

3– 0605