



7825 San Leandro Street • Oakland, CA 94621

(510) 632-3467 • Fax (510) 632-8035

ALCO
HAZMAT

JUN 21 PM 3:30

SOIL DISPOSITION INFO.
523

June 17, 1994

Mr. Barney Chan
Alameda County Health
Care Services Agency
80 Swan Way, Rm 200
Oakland, CA 94621

Be need to respond to

Dear Mr. Chan:

Please find enclosed information as requested in your letter dated May 18, 1994. The information was obtained from individual Underground Storage Tank removal reports and various other documents. I apologize that the information is provided as individual documents, but due to limited resources and time restraints a full summary report was not achievable. We feel the enclosed documents will provide the information your searching fore.

As you are aware, AB&I's UST removal program consisted of removing one UST at a time, with several months between individual UST. Excavated material from each UST was stockpiled and initially tested for the potential contaminants. Based on the levels of contamination the material was allowed to naturally aerated driving off the volatile hydrocarbons contained in the soil. The soil was re-tested and if acceptable used as fill along with other clean fill in restoring the UST excavation to its original level. Where appropriate, permits from the local Air District were obtained. In the case of the Diesel contaminated soil, biological treatment of the soil was chosen as the treatment method. The treatment was conducted by Bio Converters, Inc. until the soil levels were below 1000 parts per million. The soil was sent to the local landfill for disposal.

is this ~
180ay

AB&I is presently moving forward in continuing the subsurface investigation at our Oakland site, with work scheduled in July 1994. Your comments concerning relocation of boring locations are under review and will be discuss with ACHCS prior to performing the work on site. BSK & Associates will be performing the work.



AB&I acknowledges and will comply with your comments concerning ground water monitoring reporting. We feel the expense concurred by industry to fulfill these requirements do very little to helping the environment but merely create another obstacle for industry to cross. As a suggestion, maybe if the UST oversight program were able to provide professional engineering advice for industry to deal with ground water concerns, both the Environment and private industry could jointly benefit.

If you have additional questions or require further information, please feel free in contacting me at (510) 632 - 3467, extension 211.

Sincerely;

A handwritten signature in black ink, appearing to read 'Dave Robinson', written in a cursive style.

Dave Robinson
Environmental Engineering Manager

UNDERGROUND STORAGE TANKS

5/25/94

SOIL EXCAVATION, AERATION, & BACKFILLING

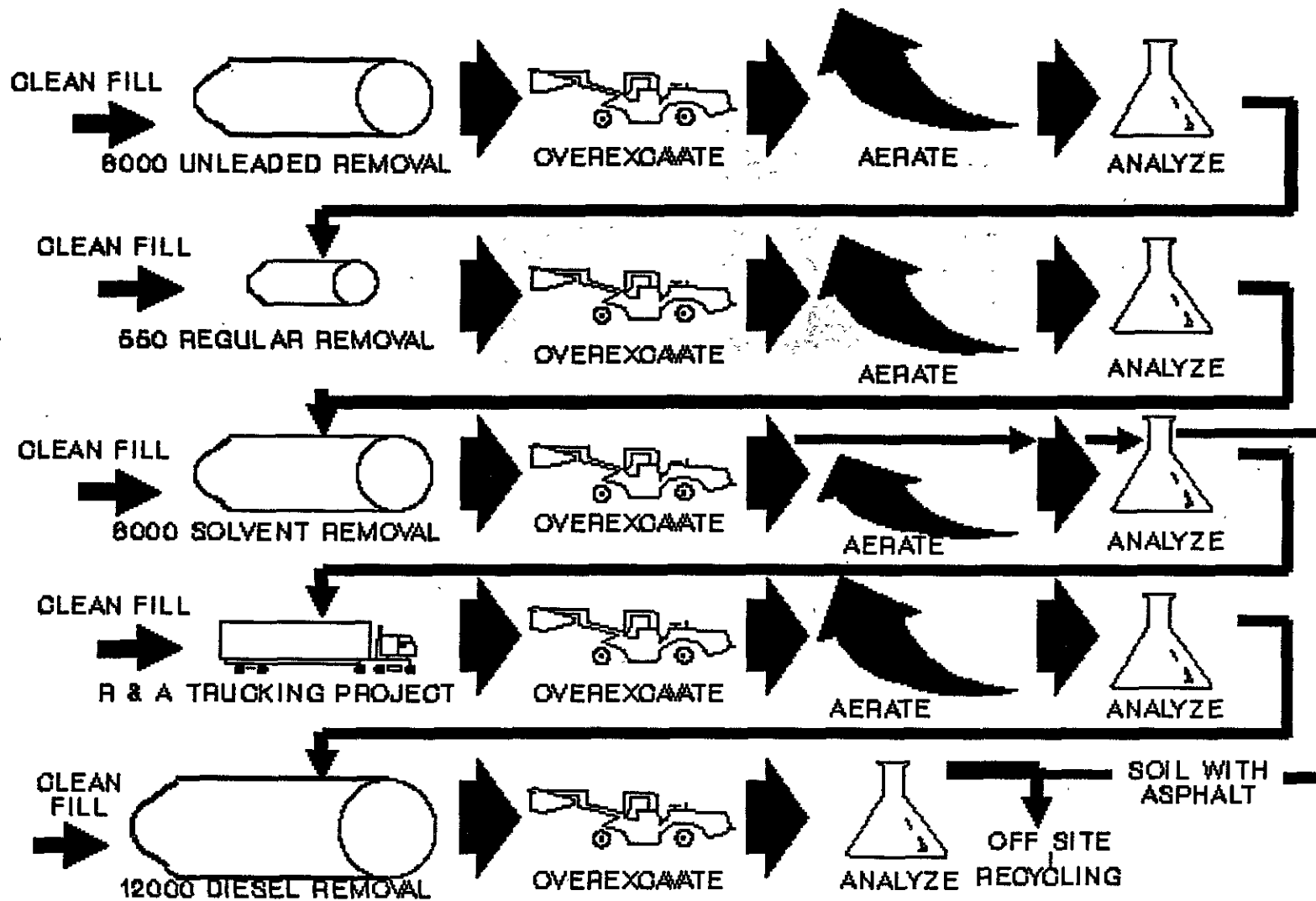
JF

TANK	DATE TANK REMOVED	AMOUNT OF SOIL EXCAVATED, AERATED, & BACKFILLED	BACKFILL LOCATION
8000 GAL UNLEADED GASOLINE	8/8/91	15-25 cu yd <i>ok</i> <i>this appears too little for a 8k tank</i>	AB&I 530 G RE-
550 GAL REGULAR GASOLINE	8/26/91	40-60 cu yd <i>ok</i>	AB&I 8000 G SOLVENT TANK
8000 GAL SOLVENT TANK TCA	10/4/91	60-80 cu yd <i>should be 160-180</i> <i>need copy of analytical results for sples</i>	R3A 1000 G GASOLINE TANK
R3A 1000 GAL GASOLINE TANK	1/24/91 (EXCAVATION ON 12/11/91)	110-140 cu yd	AB&I 12000 GAL DIESEL TANK
12000 DIESEL	6/3/92	~ 180 cy	Treated + disposed at a landfill

A B & I UNDERGROUND TANK REMOVALS

11/10/92

EXCAVATION AND BACKFILLING



8000 GAL UNLEADED TANK
SOIL AERATION RESULTS

LOG NO: E91-09-263

Received: 12 SEP 91

Mr. John Fehringer
American Brass and Iron
7825 San Leandro Street
Oakland, California 94621

Purchase Order: 1268

CC: John Sturman, Levine Fricke

PARTIAL
REPORT OF ANALYTICAL RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED	
09-263-5	T2-SP-W	12 SEP 91	
09-263-6	T2-SP-E	12 SEP 91	
PARAMETER		09-263-5	09-263-6
TPH-Volatile/BTEX			
Date Analyzed		09.16.91	09.16.91
Dilution Factor, Times		1	5
Benzene, mg/kg		<0.005	<0.02
Ethylbenzene, mg/kg		<0.005	<0.02
Toluene, mg/kg		<0.005	<0.02
Total Xylene Isomers, mg/kg		<0.005	<0.02
C6 to C12 Hydrocarbons, mg/kg		<0.1	0.70

Sim D. Lessley, Ph.D., Laboratory Director

Analytical Report

550 GAL REGULAR GASOLINE
AERATED SOIL - PUT INTO
8000 GAL SOLVENT TANK PIT

LOG NO: E91-09-626

Received: 27 SEP 91

Mailed: OCT 16 1991

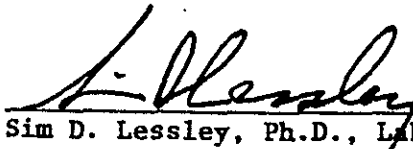
Mr. John Fehringer
American Brass and Iron
7825 San Leandro Street
Oakland, California 94621

Requisition: 1268
CC: Mr. John Sturman

REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED	
09-626-1	SP2-S		27 SEP 91
09-626-2	SP2-N		27 SEP 91
		SP2-S	SP2-N
PARAMETER		09-626-1	09-626-2
TPH-Volatile/BTEX			
Date Analyzed		10.03.91	10.03.91
Dilution Factor, Times		1	1
Benzene, mg/kg		<0.005	<0.005 β
Ethylbenzene, mg/kg		<0.005	0.010 β
Toluene, mg/kg		<0.005	<0.005 β
Total Xylene Isomers, mg/kg		<0.005	0.012 \times
C6 to C12 Hydrocarbons, mg/kg		<0.1	0.3


Sim D. Lessley, Ph.D., Laboratory Director

CHAIN OF CUSTODY RECORD

BCA Log Number 1109622

Client name: American Brass + Iron
 Address: 7025 San Leandro Ave
 City, State, Zip: Oakland CA 94621
 Project or PO#:
 Phone #: (415) 671-3407
 Report attention: Mr. John Sturman

Analyses required	Hazardous sample Special handling required	Range	TPH, Volatile BTEX												
			1	2	3	4	5	6	7	8	9	10			
		RUSH RESULTS													

Signature	Print Name	Company	Date	Time
	John Sturman	Levine, Inc.	9/27/91	11:40
	Ruth O'Brien	BCA	9/27/91	11:40

Analytical Report

SOLVENT TANK SOIL
AFTER AERATION

LOG NO: E91-11-508

Received: 20 NOV 91

Mailed : 06 DEC 91

Mr. John Fehringer
American Brass and Iron
7825 San Leandro Street
Oakland, California 94621

Purchase Order: 1268

CC: Dave Robinson, John Sturman

REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED	
11-508-1	SPT3A	20 NOV 91	
11-508-2	SPT3B	20 NOV 91	
PARAMETER		11-508-1	11-508-2
EPA Method 8010			
Date Analyzed		11.23.91	11.23.91
Date Extracted		11.23.91	11.23.91
Confirmation Date		11.30.91	11.30.91
Dilution Factor, Times		1	1
1,1,1-Trichloroethane, mg/kg		0.42	0.46
1,1,2,2-Tetrachloroethane, mg/kg		<0.01	<0.01
1,1,2-Trichloroethane, mg/kg		<0.01	<0.01
1,1-Dichloroethane, mg/kg		0.04	0.04
1,1-Dichloroethene, mg/kg		<0.01	<0.01
1,2-Dichloroethane, mg/kg		<0.01	<0.01
1,2-Dichlorobenzene, mg/kg		<0.01	<0.01
1,2-Dichloroethene (Total), mg/kg		<0.01	<0.01
1,2-Dichloropropane, mg/kg		<0.01	<0.01
1,3-Dichlorobenzene, mg/kg		<0.01	<0.01
1,4-Dichlorobenzene, mg/kg		<0.01	<0.01
2-Chloroethylvinylether, mg/kg		<0.01	<0.01
Bromodichloromethane, mg/kg		<0.01	<0.01
Bromomethane, mg/kg		<0.01	<0.01
Bromoform, mg/kg		<0.01	<0.01
Chlorobenzene, mg/kg		<0.01	<0.01
Carbon Tetrachloride, mg/kg		<0.01	<0.01
Chloroethane, mg/kg		<0.01	<0.01
Chloroform, mg/kg		<0.01	<0.01
Chloromethane, mg/kg		<0.01	<0.01
Dibromochloromethane, mg/kg		<0.01	<0.01
Dichlorodifluoromethane, mg/kg		<0.01	<0.01

CHAIN OF CUSTODY RECORD

BCA Log Number

911700

Client name: **America Brass + Iron**
 Address: **7825 San Leandro**
 City, State, Zip: **Oakland CA 94618**
 Project or PO#: _____
 Phone #: **632-3467**
 Report attention: **John Fehringer**

Analyses required							
EPA 8010	EPA 8020	BTEX					

Lab Sample Number	Date sampled	Time sampled	Type* See key below	Sampled by	Number of containers	Analyses required								Remarks
				Sample description		EPA 8010	EPA 8020	BTEX						
3A	11/20/91	14:20	SO	J. Sturman	2	Samples from Soil Stockpile								X X -1
3B	"	"	SO		1									X X -2

cc results to:
 John Sturman
 Levine Fricke

Signature	Print Name	Company	Date	Time
[Signature]	John Sturman	Levine-Fricke	11/20/91	15:00
[Signature]	KATHI FLORIS	BCA	11/20/91	15:01

BC ANALYTICAL
 1255 Powell Street, Emeryville, CA 94608 (510) 428-2300
 801 Western Avenue, Glendale, CA 91201 (818) 247-5737
 1200 Gene Autry Way, Anaheim, CA 92805 (714) 978-0113

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's expense.
 Disposal arrangements: _____

*KEY: WW—Wastewater SU—Surface Water SO—Soil
 SL—Sludge PE—Petroleum OT—Other
 NA—Nonaqueous GW—Groundwater AQ—Aqueous

to John F.

Julie Sharp
Levine-Fricke
1900 Powell St., 12th Floor
Emeryville, CA 94608

Date: 06/03/1992
NET Client Acct No: 43000
NET Pacific Job No: 92.2974
Received: 05/29/1992

From: Linda
2 pages
1520

Client Reference Information

American Brass & Iron, Project: LF2408

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 Client Services.

Approved by:

Jules Skamarack
Laboratory Manager

Enclosure(s)

PRELIMINARY REPORT

R: A EXCAVATED SOIL
AFTER AERATION
BACKFILL FOR FORMER 12000 GAL DIESEL UND. TANK SITE

Client Acct: 43000
Client Name: Levine-Fricka
NET Job No: 92.2974

Date: 06/03/1992
Page: xxx

Ref: American Brass & Iron, Project: LF2408

Descriptor, Lab No. and Results

Parameter	Reporting Limit	SP-1	SP-2	SP-3	Units
		05/28/1992 124259	05/28/1992 124260	05/28/1992 124261	
TPH (Gas/BTEX, Solid)		--	--	--	
METHOD 5030 (GC, FID)		--	--	--	
DATE ANALYZED		06-02-92	06-02-92	06-01-92	
DILUTION FACTOR*		1 (HvHC)	1 (HvHC)	1	
as Gasoline	1	1.3	1.7	ND	mg/Kg
METHOD 8020 (GC, Solid)		--	--	--	
DATE ANALYZED		06-02-92	06-02-92	06-01-92	
DILUTION FACTOR*		1	1	1	
Benzene	2.5	ND	ND	ND	ug/Kg
Ethylbenzene	2.5	ND	ND	ND	ug/Kg
Toluene	2.5	ND	ND	ND	ug/Kg
Xylenes (Total)	2.5	ND	ND	ND	ug/Kg
SURROGATE RESULTS		--	--	--	
Bromofluorobenzene		74	68 (OK)	74	% Rec.

ACKNOWLEDGMENT

Bay Area Air Quality Management District
acknowledges receipt of your Tank
Removal/Contaminated Soil Excavation
Notification Form received on

8.11.91

EVINE FRICKE

002

REGULATION 8, RULE 40
Aeration of Contaminated Soil and
Removal of Underground Storage Tanks

NOTIFICATION FORM

- Removal or Replacement of Tanks
 Excavation of Contaminated Soil

INFORMATION

N. LEW

SITE ADDRESS 7825 SAN LEANDRO STREET

CITY, STATE, ZIP OAKLAND, CALIFORNIA 94621

OWNER NAME ALLAN BOSCACCI

SPECIFIC LOCATION OF PROJECT PARKING LOT, #4 GATE

TANK REMOVAL

SCHEDULED STARTUP DATE 8/12/91

VAPORS REMOVED BY:

- WATER WASH
 VAPOR FREEING (CO²)
 VENTILATION

CONTAMINATED SOIL EXCAVATION

SCHEDULED STARTUP DATE _____

STOCKPILES WILL BE COVERED? YES _____ NO _____

ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):

(MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME AMERICAN BRASS AND IRON CONTACT JOHN FEIRINGER

ADDRESS 7825 SAN LEANDRO STREET PHONE (HIS) 632-3467

CITY, STATE, ZIP OAKLAND, CALIFORNIA 94621

CONSULTANT INFORMATION

(IF APPLICABLE)

NAME LEVINE FRICKE CONTACT JOHN STURMAN

ADDRESS 1900 POWELL STREET, 12TH FLOOR PHONE (HIS) 652-4500

CITY, STATE, ZIP EMERYVILLE, CA 94608

FOR OFFICE USE ONLY

DATE RECEIVED 8/11/91

CC: INSPECTOR NO. I-553

DATE 8/11/91

BY [Signature]

(INIT.)

BY [Signature]

(INIT.)

TELEPHONE UPDATE: CALLER _____

CHANGE MADE _____

BAAQMD N # _____

Bay Area Air Quality Management District acknowledges receipt of your Tank Removal/Contaminated Soil Excavation Notification Form received on Updated 8.9.91.

REGULATION 8, RULE 40
Aeration of Contaminated Soil and
Removal of Underground Storage Tanks

NOTIFICATION FORM

- Removal or Replacement of Tanks
- Excavation of Contaminated Soil

SITE INFORMATION

N. LEW

SITE ADDRESS 7825 SAN LEANDRO STREET
 CITY, STATE, ZIP OAKLAND, CALIFORNIA 94621
 OWNER NAME ALLAN BOSCACCI
 SPECIFIC LOCATION OF PROJECT PARKING LOT, #4 GATE

TANK REMOVAL

SCHEDULED STARTUP DATE 8/2/91
 VAPORS REMOVED BY: 8/8/91
 WATER WASH
 VAPOR FREEING (CO²)
 VENTILATION

CONTAMINATED SOIL EXCAVATION

SCHEDULED STARTUP DATE _____
 STOCKPILES WILL BE COVERED? YES _____ NO _____
 ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):

 (MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME AMERICAN BRASS AND IRON CONTACT JOHN FEHRINGER
 ADDRESS 7825 SAN LEANDRO STREET PHONE (415) 632-3467
 CITY, STATE, ZIP OAKLAND, CALIFORNIA 94621

CONSULTANT INFORMATION
(IF APPLICABLE)

NAME LEVINE FRICKE CONTACT JOHN STURMAN
 ADDRESS 900 POWELL STREET, 12TH FLOOR PHONE (415) 652-4500
 CITY, STATE, ZIP EMERYVILLE, CA 94608

FOR OFFICE USE ONLY

DATE RECEIVED 8/1/91 BY P.wei
 CC: INSPECTOR NO. I-553 DATE 8/9/91 (INIT.) BY lln
 TELEPHONE UPDATE: CALLER John Ferringer CHANGE MADE 8/9/91 (INIT.)
 BAAQMD N # _____

ACKNOWLEDGMENT

Bay Area Air Quality Management District
acknowledges receipt of your Tank
Removal/Contaminated Soil Excavation
Notification Form received on
8-30-91

REGULATION 8, RULE 40
Aeration of Contaminated Soil and
Removal of Underground Storage Tanks

NOTIFICATION FORM

- Removal or Replacement of Tanks
- Excavation of Contaminated Soil

INFORMATION N. LEW

SITE ADDRESS 7825 SAN LEANDRO STREET
 CITY, STATE, ZIP OAKLAND, CA 94621
 OWNER NAME AMERICAN BRASS AND IRON FOUNDRY
 SPECIFIC LOCATION OF PROJECT REGULAR GASOLINE TANK PIT

TANK REMOVAL

SCHEDULED STARTUP DATE _____
 VAPORS REMOVED BY:
 WATER WASH
 VAPOR FREEING (CO²)
 VENTILATION

CONTAMINATED SOIL EXCAVATION

SCHEDULED STARTUP DATE 9/4/91
 STOCKPILES WILL BE COVERED? YES X NO _____
 ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):

 (MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME AMERICAN BRASS AND IRON CONTACT JOHN FEHRINGER
 ADDRESS 7825 SAN LEANDRO STREET PHONE (415) 632-3467
 CITY, STATE, ZIP OAKLAND CA 94621

CONSULTANT INFORMATION (IF APPLICABLE)

NAME LEVINE FRICKE CONTACT JOHN STURMAN
 ADDRESS 1900 POWELL STREET, 12TH FLOOR PHONE (415) 652-4500
 CITY, STATE, ZIP EMERYVILLE, CA 94608

FOR OFFICE USE ONLY

DATE RECEIVED (post) 8-30-91 BY le
 CC: INSPECTOR NO. I-553 DATE 9-4-91 (INIT.) BY le
 TELEPHONE UPDATE: CALLER _____ CHANGE MADE _____
 BAAQMD N # _____

ACKNOWLEDGMENT

Bay Area Air Quality Management District
acknowledges receipt of your Tank
Removal/Contaminated Soil Excavation
Notification Form received on
9.27.91

REGULATION 8, RULE 40
Aeration of Contaminated Soil and
Removal of Underground Storage Tanks

NOTIFICATION FORM

- Removal or Replacement of Tanks
- Excavation of Contaminated Soil

FORMATION

N. LEW

SITE ADDRESS _____

CITY, STATE, ZIP OAKLAND, CALIFORNIA 94621

OWNER NAME AMERICAN BRASS AND IRON FOUNDRY

SPECIFIC LOCATION OF PROJECT SOURCE # 15 - SOLVENT STORAGE TANK

TANK REMOVAL

CONTAMINATED SOIL EXCAVATION

SCHEDULED STARTUP DATE 10/4/91

SCHEDULED STARTUP DATE _____

VAPORS REMOVED BY:

STOCKPILES WILL BE COVERED? YES _____ NO _____

- WATER WASH
- VAPOR FREEZING (CO²)
- VENTILATION

ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):

(MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME AMERICAN BRASS AND IRON CONTACT JOHN FEHRINGER

ADDRESS 7825 SAN LEANDRO ST. PHONE (415) 632-2467

CITY, STATE, ZIP OAKLAND CA 94621

**CONSULTANT INFORMATION
(IF APPLICABLE)**

NAME LEVINE FRICKE CONTACT JOHN STURMAN

ADDRESS 1900 POWELL STREET, 12th FLOOR PHONE (415) 652-4500

CITY, STATE, ZIP EMERYVILLE, CA 94608

FOR OFFICE USE ONLY

DATE RECEIVED Post 9.27.91

BY lc

CC: INSPECTOR NO. I-553

DATE 10.2.91

(INIT.) BY lc
(INIT.)

TELEPHONE UPDATE: CALLER _____ CHANGE MADE _____

BAAQMD N # _____

ACKNOWLEDGMENT

EVINE FRICKE

0520039, H 2
002

Bay Area Air Quality Management District
acknowledges receipt of your Tank
Removal/Contaminated Soil Excavation
Notification Form received on

8.12.91

REGULATION 8, RULE 40
Aeration of Contaminated Soil and
Removal of Underground Storage Tanks

NOTIFICATION FORM

- Removal or Replacement of Tanks
- Excavation of Contaminated Soil

SITE INFORMATION

N. LEW

SITE ADDRESS 7825 SAN LEANDRO STREET

CITY, STATE, ZIP OAKLAND CALIFORNIA 94621

OWNER NAME ALLAN BOSCACCI

SPECIFIC LOCATION OF PROJECT PARKING LOT

TANK REMOVAL

SCHEDULED STARTUP DATE _____

VAPORS REMOVED BY:

- WATER WASH
- VAPOR FREEING (CO²)
- VENTILATION

CONTAMINATED SOIL EXCAVATION

SCHEDULED STARTUP DATE 8/14/91

STOCKPILES WILL BE COVERED? YES NO

ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):

(MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME AMERICAN BRASS AND IRON CONTACT JOHN FEHRINGER

ADDRESS 7825 SAN LEANDRO ST PHONE (415) 632-3467

CITY, STATE, ZIP OAKLAND CA 94621

CONSULTANT INFORMATION

(IF APPLICABLE)

NAME LEVINE FRICKE CONTACT JOHN STURMAN

ADDRESS 1900 Powell Street, 12th Floor PHONE (415) 652-4500

CITY, STATE, ZIP Emeryville, CA 94608

FOR OFFICE USE ONLY

DATE RECEIVED 8.12.91

BY RC

CC: INSPECTOR NO. I-553

DATE 8-14-91

(INIT.)

BY RC

(INIT.)

TELEPHONE UPDATE: CALLER _____

CHANGE MADE _____

BAAQMD N # _____

ACKNOWLEDGMENT

Bay Area Air Quality Management District
acknowledges receipt of your Tank
Removal/Contaminated Soil Excavation
Notification Form received on

12-3-91

REGULATION 8, RULE 40
Aeration of Contaminated Soil and
Removal of Underground Storage Tanks

NOTIFICATION FORM

- Removal or Replacement of Tanks
- Excavation of Contaminated Soil

INFORMATION

N. LEW

SITE ADDRESS 865 77th AVENUE

CITY, STATE, ZIP OAKLAND, CA 94621

OWNER NAME R & A TRUCKING COMPANY

SPECIFIC LOCATION OF PROJECT NEAR CORNER OF 75th AND HAWLEY

TANK REMOVAL

CONTAMINATED SOIL EXCAVATION

SCHEDULED STARTUP DATE _____

SCHEDULED STARTUP DATE 12/11/91

VAPORS REMOVED BY:

STOCKPILES WILL BE COVERED? YES X NO _____

- WATER WASH
- VAPOR FREEING (CO₂)
- VENTILATION

ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):

(MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME A B & I CONTACT JOHN FEIKINGER

ADDRESS 7825 SAN LEANRO ST PHONE (510) 632-3467

CITY, STATE, ZIP OAKLAND, CA 94621

CONSULTANT INFORMATION (IF APPLICABLE)

NAME LEVINE FRICKE CONTACT JOHN STURMAN

ADDRESS 1900 POWELL ST, 12th FLOOR PHONE (510) 652-4500

CITY, STATE, ZIP EMERYVILLE, CA 94608

FOR OFFICE USE ONLY

DATE RECEIVED post 12-3-91

BY *[Signature]*

CC: INSPECTOR NO. 553

DATE 12-10-91

(INIT.)

BY *[Signature]*
(INIT.)

TELEPHONE UPDATE: CALLER _____ CHANGE MADE _____

BAACMD H # _____



NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Pacific, Inc.
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623

David Robinson
American Brass & Iron
7825 San Leandro
Oakland, CA 94621

Date: 10/29/1992
NET Client Acct No: 82300
NET Pacific Job No: 92.48802
Received: 10/14/1992

Client Reference Information

UST-Diesel, Project No: 2

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 Client Services.

Approved by:



Jules Skamarack
Laboratory Manager

JS:rct
Enclosure(s)



Client No: 82300
Client Name: American Brass & Iron
NET Job No: 92.48802

Date: 10/29/1992

Page: 3

Ref: UST-Diesel, Project No: 2

<u>Descriptor, Lab No. and Results</u>					
Parameter	Method	Reporting Limit	UST-SP-2-2	UST-SP-1-2	Units
			10/13/1992 12:25 140404	10/13/1992 12:30 140405	
METHOD 3550 (GC,FID)					
DILUTION FACTOR*			100	100	
DATE EXTRACTED			10-20-92	10-20-92	
DATE ANALYZED			10-21-92	10-21-92	
as Diesel	3550	1	2,100**	3,300**	mg/Kg

** The positive result for Petroleum Hydrocarbons as Diesel appears to be due to the presence of heavier hydrocarbon rather than Diesel.

5.0 THRESHOLD VALUES

BFI prefers to receive analytical data which represents the contaminant in soluble concentrations (excluding TPH analyses). BFI will only accept material which is represented by analytical results indicating concentrations below the listed threshold values. In the event total thresholds are met and the soluble thresholds are exceeded, BFI will base landfill acceptability on soluble concentrations.

In many instances, stockpile sampling may have previously been performed and analyzed for total concentrations rather than soluble concentrations. BFI will consider basing approvals solely on total results where the total concentration of a particular compound does not equal or exceed 20 (TCLP dilution factor) or 10 (STLC dilution factor) times the BFI listed soluble threshold for organic and inorganic compounds, respectively. Keep in mind that this equation is a conservative one and will provide the maximum leaching potential of a compound. The equation does not consider the materials ability to chemically bind the compound.

**BFI VASCO ROAD LANDFILL
ACCEPTANCE CRITERIA**

Inorganic Constituents:

STLC CAM 17

Concentration:	BFI Soluble Thresholds mg/L	BFI Approvals Based solely on Total Results mg/kg	BFI Total Threshold mg/kg
Antimony	0.25	2.5	500
Arsenic	0.25	2.5	500
Barium	50.0	500	10,000
Beryllium	0.05	0.5	75
Cadmium	0.25	2.5	100
Chromium	2.5	25	500
Cobalt	2.5	25	8,000
Copper	10.0	100	2,500
Lead	0.75	20	1,000
Mercury	0.006	0.06	20
Molybdenum	0.5	5.0	3,500
Nickel	5.0	50	2,000
Selenium	0.5	5.0	100
Silver	2.5	25	500
Thallium	0.1	1.0	700
Vanadium	1.0	10	2,400
Zinc	200	2000	5,000

Organic Constituents:**Total Petroleum Hydrocarbons/DHS Modified 8015**

Concentration:	mg/kg
TPH as Gasoline	100
TPH as Diesel	1000
TPH as Motor Oil	1000
TPH as Kerosine	100
TPH as Stoddard Solvent	1000
TPH as Jet Fuel	100
TPH as JP4	100
TPH as Hydraulic Oil	1000
TPH as No. 6 Oil	1000
TPH as Bunker O Oil	1000
TPH as No. 2 Oil	1000

Total Recoverable Petroleum Hydrocarbons/418.1

TRPH 1000

BTEX: Method 8020

Concentration:	BFI Soluble Threshold mg/L	BFI Approvals Based solely on Total Results mg/kg
Benzene	0.025	0.5
Toluene	1.0	20
Ethylbenzene	0.75	15
Xylene	0.50	10

8270 and 8240 compounds: BFI will evaluate on a case by case basis

RCI (reactivity, corrosivity, ignitability):

Reactivity: Non reactive
Sulfide < 100 ppm
Cyanide < 10 ppm

Corrosivity: Ph range 5 to 10

Ignitability: Flashpoint > 140 degrees F or > 60 degrees C



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TESTING, INC.

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John Fehringer
AB&I
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Oakland, CA 94621

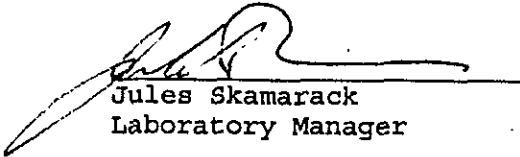
Date: 10/01/1993
NET Client Acct. No: 82300
NET Pacific Job No: 93.04084
Received: 09/17/1993

Client Reference Information

Waste Evaluation, Project No. 6

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 Client Services.

Approved by:

A handwritten signature in black ink, appearing to read "Jules Skamarack", is written over a horizontal line. Below the line, the name and title are printed.

Jules Skamarack
Laboratory Manager

Enclosure(s)



Client Acct: 82300
Client Name: AB&I
NET Job No: 93.04084

Date: 10/01/1993
ELAP Certificate: 1386
Page: 2

Ref: Waste Evaluation, Project No. 6

SAMPLE DESCRIPTION: 1 Discoil-Center East
Date Taken: 09/16/1993
Time Taken: 09:40
NET Sample No: 173880

Parameter	Results	Flags	Reporting		Method	Date	Date
			Limit	Units		Extracted	Analyzed
METHOD 3550/M8015						09/25/1993	09/27/1993
DILUTION FACTOR*	10						09/27/1993
as Diesel	590	DH	10	mg/kg	3550		

DH : The positive result appears to be a heavier hydrocarbon than Diesel.



Client Acct: 82300
Client Name: AB&I
NET Job No: 93.04084

Date: 10/01/1993
ELAP Certificate: 1386
Page: 3

Ref: Waste Evaluation, Project No. 6

SAMPLE DESCRIPTION: 2 Disoil-Edge
Date Taken: 09/16/1993
Time Taken: 09:42
NET Sample No: 173881

<u>Parameter</u>	<u>Results</u>	<u>Flags</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Method</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>
METHOD 3550/M8015						09/25/1993	09/27/1993
DILUTION FACTOR*	10						09/27/1993
as Diesel	700	DH	10	mg/kg	3550		

DH : The positive result appears to be a heavier hydrocarbon than Diesel.