

AZURE ENVIRONMENTAL

**FACSIMILE COVER SHEET****Date:** September 15, 1994**Time:** 1:30**Deliver To:** Susan Hugo**Company:** ACHCSA - Dept. of Environmental Health**Fax Phone Number:** 510/337-9335**From:** Jeff Hennier**Number of Pages Sent:** 6 (Including this cover sheet)**Remarks:**

Susan - Per your request, attached are the hazardous waste manifests for disposal of excavated soil from the former Copper and Brass Sales facility. The manifests indicate approximately 90 yards of soil (rather than 75 yards) were disposed on April 23, 1993 at the BFI facility in Livermore.

Please call me if you have questions.

1001 Lincoln Avenue  
San Rafael, CA 94901  
(415) 485-9740  
Fax: (415) 485-6062

**First Environmental Group**

3501 Collins Avenue  
Richmond, CA 94806  
(510) 232-0202  
Fax (510) 232-5844

000174

**NON-HAZARDOUS SPECIAL WASTE MANIFEST**

**GENERATOR**

Generator Name Copper and Brass Sales

Generating Location 1295 67th Street

Address 1295 67th Street

Address Emeryville CA 94608

Emeryville, CA 94608

Phone No. 510-6587212

Phone No. 510-6587212

Description of Waste

Soil - Non Hazardous  
(contains Oil)  
API  
Approval # CA40503029353352

Containers				Type
Quantity	Units	No.	Type	
<u>18</u>	<u>Y</u>	<u>01</u>	<u>T</u>	D - Drum
				C - Carton
				B - Bag
				T - Truck
				P - Pounds
				Y - Yards
				O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

LANCE E. HADSELL  
Generator Authorized Agent Name

Signature

042793  
Shipment Date

**TRANSPORTER**

Truck No. C-4 + C-1

Phone No. 510 223-2351

Transporter Name CANEPA TRK.

Driver Name (Print) STEVE CANEPA

Address 5506 HACKNEY Ct.  
Richmond, CA.

Vehicle License No./State 2M50875

Vehicle Certification \_\_\_\_\_

I hereby certify that the above named materials was picked up at the generator site listed above.

I hereby certify that the above named materials was delivered without incident to the destination listed below.

Steve Canepa  
Driver Signature

042793  
Shipment Date

\_\_\_\_\_  
Driver Signature

\_\_\_\_\_  
Delivery Date

**DESTINATION**

Site Name B.F.T. Phone No. \_\_\_\_\_

Address \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

**First Environmental Group**

3501 Collins Avenue  
Richmond, CA 94806  
(510) 232-0202  
Fax (510) 232-5844

000175

**NON-HAZARDOUS SPECIAL WASTE MANIFEST**

**GENERATOR**

Generator Name Copper and Brass Sls Generating Location Copper and Brass Sls

Address 1295 67<sup>th</sup> St Address 1295 67<sup>th</sup> Street

Emeryville, CA 94608 Emeryville, CA 94608

Phone No. 510-6587212 Phone No. 510-6587212

Description of Waste

Non-Hazardous soil - contains Diesel  
BEI Acceptance #  
CA40503029353352

Containers

Quantity	Units	No.	Type	Type
18	Y	02	T	D - Drum
				C - Carton
				B - Bag
				T - Truck
				P - Pounds
				Y - Yards
				O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

LANCE E. NADSR Lance E. Nadser 042793  
Generator Authorized Agent Name Signature Shipment Date

**TRANSPORTER**

Truck No. A-84 Phone No. 237-3947

Transporter Name Ken's Nursery Driver Name (Print) Jim Takayoshi

Address 3025 McBoyle Ave Vehicle License No. State 3E51843

Rich, Ca Vehicle Certification \_\_\_\_\_

I hereby certify that the above named materials was picked up at the generator site listed above.

I hereby certify that the above named materials was delivered without incident to the destination listed below.

Jim Takayoshi 042793  
Driver Signature Shipment Date

\_\_\_\_\_  
Driver Signature Delivery Date

**DESTINATION**

Site Name B.F.I. Livermore Phone No. \_\_\_\_\_

Address \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

**First Environmental Group**

3501 Collins Avenue  
Richmond, CA 94806  
(510) 232-0202  
Fax (510) 232-5844

000176

**NON-HAZARDOUS SPECIAL WASTE MANIFEST**

**GENERATOR**

Generator Name Copper and Brass Sales      Generating Location Copper and Brass Sales  
 Address 1295 67<sup>th</sup> Street      Address Emergville 1295 67<sup>th</sup> Street  
Emergville, CA 94608      Emergville, CA 94608  
 Phone No. 510-6587212      Phone No. 510-6587212

Description of Waste	Containers				Type
	Quantity	Units	No.	Type	
Soil Non-Hazardous (contains Diesel)	1	B	7	0	T

BFI Approval # CA40503029353352

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

LARRY WADSWELL      Larry Wadswell      042793  
 Generator Authorized Agent Name      Signature      Shipment Date

**TRANSPORTER**

Truck No. 65      Phone No. 510-682-2996  
 Transporter Name Lugen      Driver Name (Print) STEVE LEONARD  
 Address 5220 Lohate Ctr      Vehicle License No./State Y39573  
Concord CA      Vehicle Certification /

I hereby certify that the above named materials was picked up at the generator site listed above.

I hereby certify that the above named materials was delivered without incident to the destination listed below.

[Signature]      042793      \_\_\_\_\_      \_\_\_\_\_  
 Driver Signature      Shipment Date      Driver Signature      Delivery Date

**DESTINATION**

Site Name \_\_\_\_\_ Phone No. \_\_\_\_\_  
 Address \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.



No. 905492

# NON-HAZARDOUS SPECIAL WASTE MANIFEST

## GENERATOR

Generator Name Copper and Brass Sals Generating Location Copper and Brass Sals

Address 1295 67<sup>th</sup> St Address 1295 67<sup>th</sup> St

Emeryville, CA 94603

Emeryville, CA 94603

Phone No. 510-6587212

Phone No. 510-6587212

BFI Waste Code CA 405 030243 53352

Description of Waste

Non-Hazardous Sals - (Diesel)

Quantity			Units	Containers		Type
				No.	Type	
		18	Y	01	T	D - Drum
						C - Carton
						B - Bag
						T - Truck
						P - Pounds
						Y - Yards
						O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

LARRY E. HADSELL Larry E. Hadsell 042793  
Generator Authorized Agent Name Signature Shipment Date

## TRANSPORTER

Truck No. 78 Phone No. (510) 6572396

Transporter Name B Leeper Trucking Driver Name (Print) CURTIS O COLLINS

Address 5720 Locksley Ct Vehicle License No /State SP 01209

Concord, Calif Vehicle Certification 309659/309660

I hereby certify that the above named material was picked up at the generator site listed above. I hereby certify that the above named material was delivered without incident to the destination listed below.

Curtis O Collins 042793   
Driver Signature Shipment Date Driver Signature Delivery Date

## DESTINATION

Site Name BFI - Livermore Phone No.

Address

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent Signature Receipt Date



No. 905494

# NON-HAZARDOUS SPECIAL WASTE MANIFEST

## GENERATOR

Generator Name Copper and Brass Sales Generating Location Copper and Brass Sales

Address 12915 67th St Address 12915 67th St

Emeryville, CA 94608

Emeryville, CA 94608

Phone No. 510-6587212

Phone No. 510-6587212

BFI Waste Code CA 405 030293 53352

Description of Waste

Quantity

Units

Containers

Type

Non Hazardous Soil (Diesel)

Quantity	Units	No.	Type
<u>18</u>	<u>Y</u>	<u>01</u>	<u>T</u>

- D - Drum
- C - Carton
- B - Bag
- T - Truck
- P - Pounds
- Y - Yards
- O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

LANCE E. HADSELL  
Generator Authorized Agent Name

Lance E. Hadsell  
Signature

042793  
Shipment Date

## TRANSPORTER

Truck No. C-4

Phone No. 510 223-2351

Transporter Name CANETA TRK

Driver Name (Print) STEVE CANEPA

Address 5506 HACKNEY Ct

Vehicle License No /State 2M50875

RICHMOND, CA

Vehicle Certification

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Steve Canepa  
Driver Signature

4 27 93  
Shipment Date

Driver Signature

   
Delivery Date

## DESTINATION

Site Name BFI Livermore Phone No.  

Address  

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent   Signature   Receipt Date

**AZURE ENVIRONMENTAL****FACSIMILE COVER SHEET****Date:** August 3, 1994**Time:** 9:30**Deliver To:** Susan Hugo**Company:** ACHCSA - Dept. of Environmental Health**Fax Phone Number:** 510/337-9335**From:** Jeff Hennier**Number of Pages Sent:** 1 (Including this cover sheet)**Remarks:**

Susan - I have been unable to reach you by telephone during your office move to Alameda. I would like to check on the status of your review of the UST Case Closure Report for the former Copper and Brass Sales facility in Emeryville.

Please call me at your earliest convenience.

1001 Lincoln Avenue  
San Rafael, CA 94901  
(415) 485-9740  
Fax: (415) 485-6062

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH  
State Water Resources Control Board  
Division of Clean Water Programs  
UST Local Oversight Program  
80 Swan Way, Rm 200  
Oakland, CA 94621  
(510) 271-4530

June 22, 1993  
STID# 3932

Mr. George Blandino  
Copper & Brass Sales Company  
1295 67th Street  
Emeryville, California 94608

**RE: Workplan - Preliminary Site Assessment Related to the  
Former Underground Storage Tank at Copper & Brass Sales  
Company, 1295 67th Street, Emeryville, California 94608**

Dear Mr. Blandino:

The Alameda County Department of Environmental Health, Hazardous Materials Division has recently reviewed the "Work Plan to Conduct A Preliminary Site Assessment" (May 13, 1993) and a copy of the monitoring well construction diagram (dated June 21, 1993) prepared by Azure Environmental for the referenced site.

Based on this review, this department concurs with the basic elements of the workplan. The work plan is acceptable and can be implemented with the following conditions:

- \* Construction and placement of the well must adhere to the requirements specified in "Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites", August, 1990. Monitoring wells must be screened to intercept free floating product and accommodate seasonal water table fluctuations.
- \* Soil samples must be collected every five feet as per RWQCB's guidelines. Field instruments are acceptable as a screening tools only. Any evidence of soil contamination such as odor, visual staining or field instrument readings must be verified by analysis from a state certified laboratory.
- \* Groundwater monitoring wells must be sampled on a quarterly basis and analyzed for the following target compounds: TPH gasoline, TPH diesel, benzene, toluene, ethyl benzene and xylene. Groundwater elevation readings must be included in the quarterly monitoring program. After four quarters of non detectable levels have been achieved, the frequency of sampling events will be evaluated and/or a recommendation for signoff/case closure by RWQCB will be determined.



Mr. George Blandino  
RE: 1295 67th Street, Emeryville, CA 94608  
June 22, 1993  
Page 2 of 3

- \* Groundwater flow gradient should be calculated based on a three (3) point measurement of the water level in the wells. If there are one or two wells installed on the site, every effort should be made to evaluate the groundwater flow gradient and direction. The location of the monitoring well must be positively verified to be in the downgradient direction.
- \* Please submit a time schedule for all phases of the investigation and remediation activities and the anticipated time when cleanup will be completed at the site.
- \* Please notify this office at least 48 hours in advance for the start up of work plan implementation so a site visit can be arranged by a representative from this office.

A report must be submitted within **45 days** after completion of this investigation. Until cleanup is complete, you will need to submit reports to this office and to RWQCB every three months (or at a more frequent interval, if specified at any time by either agency). In addition, the following items must be incorporated in your future reports or workplans:

- a cover letter from the responsible party or tank owner stating the accuracy of the report and whether he/she concurs with the conclusions and recommendations in the report or workplan
- site map delineating contamination contours for soil and groundwater based on recent data should be included and the status of the investigation and cleanup must be identified
- proposed continuing or next phase of investigation / cleanup activities must be included to inform this department or the RWQCB of the responsible party or tank owner's intention
- any changes in the groundwater flow direction and gradient based on the measured data since the last sampling event must be explained
- historical records of groundwater level in each well must be tabulated to indicate the fluctuation in water levels
- tabulate analytical results from all previous sampling events; provide laboratory reports (including quality control/quality assurance) and chain of custody documentation

Mr. George Blandino  
RE: 1295 67th Street, Emeryville, CA 94608  
June 22, 1993  
Page 3 of 3

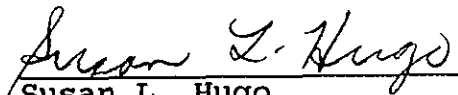
All reports and proposals must be submitted under seal of a California Registered Geologist or Registered Civil Engineer with a statement of qualifications for each lead professionals involved with the project. Copies of reports must also be submitted to :

Rich Hiett  
RWQCB, San Francisco Bay Region  
2101 Webster Street, Fourth Floor  
Oakland, California 94612

Because we are overseeing this site under the designated authority of the Regional Water Quality Control Board, this letter constitutes a formal requests for technical reports pursuant to California Water Code Section 13267 (b). Any extensions of stated deadlines or changes in the workplan must be confirmed in writing and approved by this agency or RWQCB.

Please contact me at (510) 271-4530 if you have any questions concerning this letter.

Sincerely,

  
\_\_\_\_\_  
Susan L. Hugo  
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Asst. Agency Director, Environmental Health  
Rich Hiett, San Francisco Bay RWQCB  
Edgar B. Howell, Chief, Hazardous Materials Division - files  
Jeff Hennier - Azure Environmental  
1001 Lincoln Avenue  
San Rafael, California 94901

**AZURE ENVIRONMENTAL**

**FACSIMILE COVER SHEET**

*STIP 3932*

**Date:** June 21, 1993

**Time:** 4:00

**Deliver To:** Susan Hugo

**Company:** ACHCSA - Dept. of Environmental Health

**Fax Phone Number:** 510/569-4757

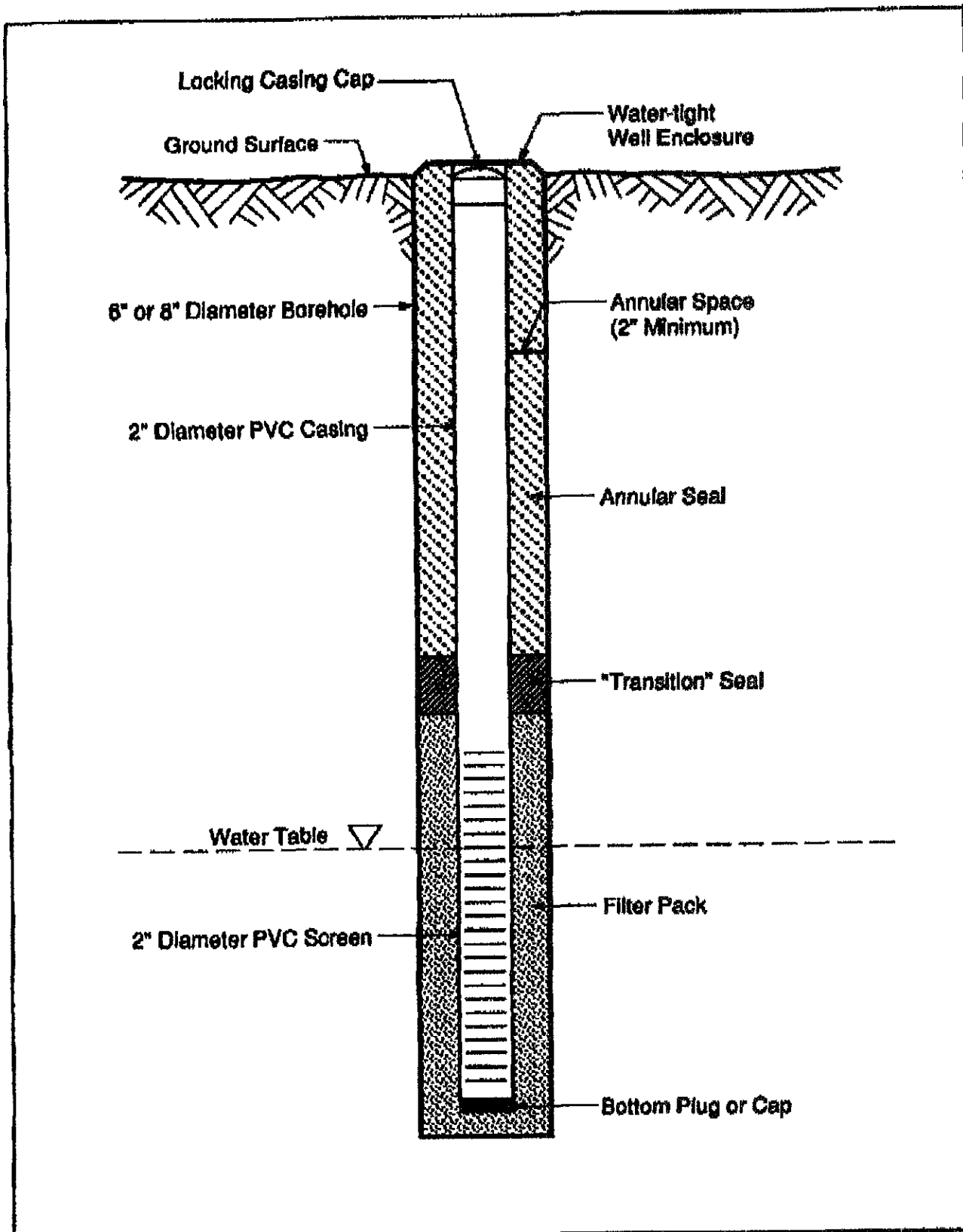
**From:** Jeff Hennier

**Number of Pages Sent:** 2 (Including this cover sheet)

**Remarks:**

Susan - As you requested, attached is a monitoring well construction diagram for the proposed well at the Copper and Brass Sales, Inc. facility in Emeryville. Please feel free to call me if you have additional questions.

1001 Lincoln Avenue  
San Rafael, CA 94901  
(415) 485-9740  
Fax: (415) 485-6062



<b>AZURE ENVIRONMENTAL</b>	<b>Cross Section of a Typical Monitoring Well</b>
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Project No. 119-001	Date June 21, 1993	Project Name Copper and Brass Sales, Inc.	Figure No.
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**APPENDIX C**

**Analytic Reports and Chain-of-Custody Forms for Water**

**Alameda County Department of Environmental Health  
Hazardous Materials Division**

80 Swan Way, Rm. 200, Oakland, CA 94621

Ph: 510-271-4320

**BILLING FOR SERVICES**

SHD# 3932

A. Site Name Copper & Brass Sales, Inc. Phone \_\_\_\_\_  
 Site Address 1295 67th Street Emeryville 94608  
(If no address, description of area)      Number      Street      City      Zip  
 Prior Business Name \_\_\_\_\_ Prior Owner's Name \_\_\_\_\_

B. Service Requestor MR. MICHAEL PRITCHETT (415) 392-6034  
Contact Person      Company Name      Phone  
 Billing Address MAXSON YOUNG ASSOCIATES, Inc.  
Number      Street      City      Zip

444 MARKET ST, SUITE 1050  
SAN FRANCISCO CA 94111-5328

<b>Category of Service</b>		#Hours	x \$	/Hr	\$
<input checked="" type="checkbox"/> Site Search		<u>1</u>		<u>75</u>	<u>75.00</u>
<input type="checkbox"/> File Search					
<input type="checkbox"/> Other					
		<u>75</u>	x \$	<u>1.00</u> /Copy	\$ <u>75.00</u>
			x \$		\$ _____
					\$ _____
					<b>TOTAL CHARGE: \$ <u>150.00</u></b>

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**You will receive an invoice in accordance with Article 11 of Chapter 6, Title 3 of the Ordinance Code of Alameda County**

Service Requestor Michael Pritchett Date \_\_\_\_\_  
printed name      signature  
 HazMat Specialist SUSAN L. HUGO Susan L. Hugo Date 6/10/93  
printed name      signature

**MAXSON YOUNG**

**ASSOCIATES INC**

1050  
444 Market Street, Suite 1050  
San Francisco, CA 94111-6328  
Fax (415) 392-0213  
Telex: 278-283 MYA SF  
Tel: (415) 392-6034

**FACSIMILE MEMORANDUM**

**TO:** MS. SUSAN HUGO  
COUNTY OF ALAMEDA  
ENVIRONMENTAL HEALTH

**FAX:** (510) 271-4522

**FROM:** MICHAEL PRITCHETT

**DATE:** JUNE 2, 1993

**RE:** ASSURED: COPPER & BRASS SALES, INC.  
SITE: 1295 67TH STREET  
EMERYVILLE, CA  
DATE OF NOTICE: 17 DECEMBER 1992  
MYA FILE NO.: 0293-59-0010-F


Dear Ms. Hugo:

I am faxing today to follow-up on my fax of May 12, 1993, which was a copy of a letter to Mr. Oliva wherein I requested a copy of the Alameda County's file relative to the above referenced site.

I am renewing that request by this fax. I am again acknowledging we will be responsible for your fees at \$75.00 an hour. Please advise me the minute the reports are ready.

Very truly yours,

MAXSON YOUNG ASSOCIATES, INC.



Michael Pritchett  
Adjuster

MP:pc

# MAXSON YOUNG

ASSOCIATES INC

444 Market Street, Suite 1050  
San Francisco, CA 94111-5328  
Fax (415) 392-0213  
Telex: 278-283 MYA SF  
Tel: (415) 392-6034

May 3, 1993

Mr. Brian Oliva  
Hazardous Materials Specialist  
Department of Environmental Health  
80 Swan Way, Room 200  
Oakland, CA 94621

Re:	Site:	1295 67th Street Emeryville, California
	Assured:	Copper & Brass Sales
	Tank Closure:	17 December 1992
	Your No.:	SH3932
	MYA File No.:	0293-59-0010-P

Dear Mr. Oliva:

The undersigned has been retained by the insurer for Copper & Brass Sales relative to the potential pollution exposure stemming from the closure of the 2,000-gallon diesel tank which you witnessed on December 17, 1992, in Emeryville.

This letter is a follow up to mine of February 2, 1993.

I am again writing to request from you copies of all records at Alameda County Public Health relative to this site, with the exception of the tank closure report rendered by KTW & Associates. I already have the KTW report. I am still interested in all other correspondence in the file.

I am interested in securing same within ten days or so and will acknowledge, as requested by telephone, that we will be responsible for a \$75 per hour charge for the assistance of the Alameda County Environmental Health Unit.

Let me hear from you please.

Very truly yours,

MAXSON YOUNG ASSOCIATES, INC.

  
Michael Pritchett  
Adjuster

MP/kc



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

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.	
REPORT DATE 04/04/01 09/09/03		CASE #		SIGNED <i>Susan L. Hugo</i> DATE 4/22/03	
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT GEORGE BLANDINO		PHONE (510) 658-7212		SIGNATURE
	REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME COPPER AND BRASS SALES, INC.		
	ADDRESS 1295 67TH STREET STREET EMERYVILLE CITY CA STATE 94608 ZIP				
RESPONSIBLE PARTY	NAME COPPER AND BRASS SALES <input type="checkbox"/> UNKNOWN		CONTACT PERSON GEORGE BLANDINO		PHONE (510) 658-7212
	ADDRESS 1295 67TH STREET STREET EMERYVILLE CITY CA STATE 94608 ZIP				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) COPPER AND BRASS SALES, INC.		OPERATOR		PHONE (510) 658-7212
	ADDRESS 1295 67TH STREET STREET EMERYVILLE CITY CA COUNTY 94608 ZIP CROSS STREET				
IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME ALAMEDA COUNTY HEALTH DEPARTMENT		CONTACT PERSON MS. SUSAN HUGO		PHONE (510) 271-4320
	REGIONAL BOARD SF Bay RWQCB		CONTACT PERSON RICH HIETT		PHONE ( )
SUBSTANCES INVOLVED	(1) NAME DIESEL FUEL			QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN	
	(2)			<input type="checkbox"/> UNKNOWN	
DISCOVERY/ABATEMENT	DATE DISCOVERED 1_M 2_M 1_D 4_D 9_Y 2_Y		HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> OTHER		
	DATE DISCHARGE BEGAN <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER		
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 1_M 2_M 1_D 4_D 9_Y 2_Y				
SOURCE/ CAUSE	SOURCE OF DISCHARGE <input checked="" type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input checked="" type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER		
	CHECK ONE ONLY <input checked="" type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input checked="" type="checkbox"/> CLEANUP UNDERWAY				
	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input checked="" type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> OTHER (OT)				
COMMENTS	COMMENTS				

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY



DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

March 30, 1993  
STID# 3932

DEPARTMENT OF ENVIRONMENTAL HEALTH  
State Water Resources Control Board  
Division of Clean Water Programs  
UST Local Oversight Program  
80 Swan Way, Rm 200  
Oakland, CA 94621  
(510) 271-4530

Mr. George Blandino  
Copper & Brass Sales Company  
1295 67th Street  
Emeryville, California 94608

**RE: Underground Storage Tank Removal at Copper & Brass Sales  
1295 67th Street, Emeryville, California 94608**

Dear Mr. Blandino:

The Alameda County Department of Environmental Health, Hazardous Materials Division has reviewed the files concerning the removal of an underground storage tank (2,000 gallon diesel) on December 4, 1992 at the referenced site. We are in receipt of the Tank Closure Report (December 29, 1992) prepared by KTW & Associates and the analytical results of verification soil samples submitted by Reidel Environmental Services, Inc.

The former tank had corrosion holes and a sheen of free floating product was observed on top of the water in the excavation pit. Strong soil discoloration was also present in the pit. Soil samples collected beneath the east end of tank area at nine feet depth showed elevated levels of Total Petroleum Hydrocarbon as diesel (1,800 ppm TPH diesel) and Total Petroleum Hydrocarbon as gasoline (300 ppm TPH gasoline). Overexcavation was performed around the tank pit on December 15, 1992. Verification soil samples were collected on all sidewalls and all the soil samples were non detect for TPH gasoline, TPH diesel, benzene, toluene, ethyl benzene and xylene except the east wall sample showing 13,000 ppm TPH diesel.

Because of the degree of contamination found at the site which exceeded regulatory threshold levels, further environmental assessment is required to determine the extent of the unauthorized release associated with the former tank. In addition, an unauthorized leak report must be filed for the referenced site. Enclosed is a blank copy of the "Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report" which must be completed and submitted to this office within five working days.

This office will be the lead agency overseeing the environmental investigation and cleanup activities at the site. The RWQCB has delegated this authority to our office. However, you must keep the Water Board apprised of all actions taken to characterize and remediate contamination at the site, because the Board retains the ultimate responsibility for ensuring protection of the waters of the state.

Mr. George Blandino  
RE: 1295 67th Street, Emeryville, CA 94608  
March 30, 1993  
Page 2 of 3

A preliminary assessment should be conducted to determine the extent of soil and/or groundwater contamination that has resulted from the former leaking tank. The information gathered by this investigation will be used to assess the need for additional actions at the site. The preliminary assessment should be designed to provide all of the information in the format shown in the attachment at the end of this letter, which is based on the RWQCB's guidelines. You should be prepared to install at a minimum, three monitoring wells to establish gradient direction of the groundwater at the site. One of the wells should be installed within 10 feet downgradient of the former tank location. Monthly water elevation reading for twelve months is necessary to determine groundwater flow direction and quarterly sampling must occur to determine extent of the groundwater contamination.

Until cleanup is complete, you will need to submit reports to this office and to RWQCB every three months (or at a more frequent interval, if specified at any time by either agency). These reports must include information pertaining to further investigative results; the methods of cleanup actions implemented to date; and the method and disposal of any contaminated material. Copies of manifests for such disposal must be sent to this office. Stockpiled soil from the pit may not be used to backfill these holes without authorization from this office. Only clean fill can be used to backfill the excavation pit. Please provide our office with documentation of the stockpiled soil disposal.

Your work plan must be submitted to this office no later than **May 14, 1993**. All reports and proposals must be submitted under seal of a California Registered Geologist or Registered Civil Engineer with a statement of qualifications for each lead professionals involved with the project. Copies of the reports and proposals must also be submitted to:

Rich Hiatt  
RWQCB, San Francisco Bay Region  
2101 Webster Street, Fourth Floor  
Oakland, California 94612

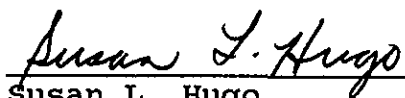
Because we are overseeing this site under the designated authority of the Regional Water Quality Control Board, this letter constitutes a formal requests for technical reports pursuant to California Water Code Section 13267(b). Any extensions of stated deadlines or changes in the workplan must be confirmed in writing and approved by this agency or RWQCB.

Mr. George Blandino  
RE: 1295 67th Street, Emeryville, CA 94608  
March 30, 1993  
Page 3 of 3

Enclosed is a copy of Appendix A (Workplan for Initial Subsurface Investigation (August 20, 1991) for your reference.

Should you have any questions regarding this letter, please contact me at (510) 271-4530.

Sincerely,



---

Susan L. Hugo  
Senior Hazardous Materials Specialist

Enclosures

cc: Rafat A. Shahid, Asst. Agency Director, Environmental Health  
Rich Hiett, San Francisco Bay RWQCB  
Gil Jensen, Alameda County District Attorney's Office  
Edgar B. Howell, Chief, Hazardous Materials Division / file *SYBA*  
Steve Schwartz, Riedel Environmental Services, Inc.  
4138 Lakeside Drive, Richmond, CA 94806

02/17/95

WATER RESOURCES CONTROL BOARD  
LUSTIS FINANCIAL TRACKING  
UPDATE SITES

FIN210S1

\*\*\*\* LEAVE AGENCY NAME BLANK TO EXIT \*\*\*\*

AGENCY Name: ALAMEDA	01000	
CONTRACT NO: 0179550	SOURCE OF FUNDS (S/F): F	SUBSTANCE: 12034
SITE NO: 3932		
SITE NAME: COOPER & BRASS SALES		DATE REPORTED: 02/24/93
STREET ADDR: 1295 67TH ST		DATE CONFIRMED: 12/29/92
CITY/ZIP: EMERYVILLE 94608-		MULTIPLE RP'S: N

CASE TYPE (U/S/G/D/ )	S	CONTRACT STATUS #	4	EMERGENCY RESP	/ /
RP SEARCH (I/R/S/Y/ )	S			DATE COMPLETED	03/11/93
PRELIMINARY ASMNT (U/C/ )		DATE UNDERWAY	/ /	DATE COMPLETED	/ /
REM INVESTIGATION (U/C/ )		DATE UNDERWAY	/ /	DATE COMPLETED	/ /
REMEDIAL ACTION (U/C/I/ )		DATE UNDERWAY	/ /	DATE COMPLETED	/ /
POST RA MON (Y/N/U/C/ )		DATE UNDERWAY	/ /	DATE COMPLETED	/ /
ENFORCEMENT ACTION		TYPE (1/2/3/4/5/6)	1	DATE TAKEN	03/11/93
LUFT FIELD MANUAL CONSID		1-3 + H, S, C, A, R, W, G or O			
CLOSED (Y/R/C/L/ )	Y			DATE CLOSED	10/06/94
DATE EXCAVATION STARTED	/ /	REMEDIAL ACTIONS TAKEN			

3/7/95

Norma:

These mail to  
Lori Casias.

Thanks  
Susan

we show closed ??  
AG

SEARCHED  
SERIALIZED  
INDEXED  
FILED

TO: LORI CASIAS

STID # 3932 officially closed 2/2/95 after  
the monitoring well was abandoned & a  
report of well abandonment was submitted.

Susan Hugo  
3/7/95

LOP - RECORD CHANGE REQUEST FORM

printed:  
02/28/95

Mark Out What Needs Changing and Hand to LOP Data Entry  
(Name/Address changes go to Annual Programs Data Entry)

Insp: SH

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 12034  
 StID : 3932 LOC: -0-  
 SITE NAME: Copper & Brass Sales DATE REPORTED : 02/24/93  
 ADDRESS : 1295 -0 67th St DATE CONFIRMED: 12/29/92  
 CITY/ZIP : Emeryville 94608 MULTIPLE RPs : N

SITE STATUS

CASE TYPE: S CONTRACT STATUS: 4 PRIOR CODE:2B5 EMERGENCY RESP: -0-  
 RP SEARCH: S DATE COMPLETED: 03/11/93  
 PRELIMINARY ASMNT: C DATE UNDERWAY: 05/13/93 DATE COMPLETED: 07/16/93  
 REM INVESTIGATION: C DATE UNDERWAY: 07/16/93 DATE COMPLETED: 03/29/94  
 REMEDIAL ACTION: C DATE UNDERWAY: 12/04/92 DATE COMPLETED: 03/29/94  
 POST REMED ACT MON:- DATE UNDERWAY: -0- DATE COMPLETED: -0-

ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN: 03/11/93  
 LUFT FIELD MANUAL CONSID: 2HCAWG  
 CASE CLOSED: Y DATE CASE CLOSED: 02/02/95  
 DATE EXCAVATION STARTED : 12/04/92 REMEDIAL ACTIONS TAKEN: ED

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Mr. George Blandino  
 COMPANY NAME: Copper & Brass Sales Company  
 ADDRESS: 1900 Embarcadero #101  
 CITY/STATE: Oakland, C A 94606-5227

INSPECTOR VERIFICATION:

NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

DATA ENTRY INPUT:

Name/Address Changes Only			Case Progress Changes	
ANNPMS _____	LOP _____	DATE _____	LOP _____	DATE _____

LOP - RECORD CHANGE REQUEST FORM

printed:  
02/06/95

Mark Out What Needs Changing and Hand to LOP Data Entry  
(Name/Address changes go to Annual Programs Data Entry)

Insp: SH

AGENCY # : 10000      SOURCE OF FUNDS: F      SUBSTANCE: 12034  
StID : 3932      LOC:  
SITE NAME: Copper & Brass Sales      DATE REPORTED : 02/24/93  
ADDRESS : 1295 67th St      DATE CONFIRMED: 12/29/92  
CITY/ZIP : Emeryville 94608      MULTIPLE RPs : N

SITE STATUS

CASE TYPE: S      CONTRACT STATUS: 4      PRIOR CODE: 2B5      EMERGENCY RESP:  
RP SEARCH: S      DATE COMPLETED: 03/11/93  
PRELIMINARY ASMNT: C      DATE UNDERWAY: 05/13/93      DATE COMPLETED: 07/16/93  
REM INVESTIGATION: C      DATE UNDERWAY: 07/16/93      DATE COMPLETED: 03/29/94  
REMEDIAL ACTION: C      DATE UNDERWAY: 12/04/92      DATE COMPLETED: 03/29/94  
POST REMED ACT MON:      DATE UNDERWAY:      DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 1      DATE ENFORCEMENT ACTION TAKEN: 03/11/93  
LUFT FIELD MANUAL CONSID: 2HCAWG  
CASE CLOSED: Y      DATE CASE CLOSED: 02/02/95  
DATE EXCAVATION STARTED : 12/04/92      REMEDIAL ACTIONS TAKEN: ED

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Mr. George Blandino  
COMPANY NAME: Copper & Brass Sales Company  
ADDRESS: 1900 Embarcadero #101  
CITY/STATE: Oakland, C A 94606-5227

INSPECTOR VERIFICATION:

NAME SUSAN HUGO      SIGNATURE Susan L Hugo      DATE 2/2/95 *Case closed*

DATA ENTRY INPUT:

Name/Address Changes Only

Case Progress Changes

ANNPGMS \_\_\_\_\_ LOP \_\_\_\_\_ DATE \_\_\_\_\_

LOP \_\_\_\_\_ DATE \_\_\_\_\_





white -env.health  
 yellow -facility  
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200  
 Oakland, CA 94621  
 (415) 271-4320

Hazardous Materials Inspection Form

II, III

Site ID # 3932 Site Name Copper + Brass Sales Today's Date 12/14/92

Site Address 1295 67th St

City Emeryville Zip 94609 Phone \_\_\_\_\_

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks removal

*KTW on site*

Callf. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

*TO Erickson # 9220139*  
 On site for removal of 1 2000 UST (diesel tank) Tank installed with CO<sub>2</sub> - LEL O Tank Impl. used prior to removal. Upon removal several holes in tank observed. Stained soil heavy petroleum oils noted. Emeryville F.D. on site. Several photographs taken (5) there is "free product" on top of walls in pit (provided) samples at each end of unit 2 soil, 1 water if possible. Samples to be taken analyzed for BTEX, TPH-DW. Sample - stockpiled soils prior to disposal/provide manifest to this office.  
 (1) Provide a written report to this office within 30 days.  
 (2) Make area around pit safe so as to prevent injury.

II.A BUSINESS PLANS (Title 19)

- 1. Immediate Reporting 2703
- 2. Bus Plan Stds. 25503(b)
- 3. RR Cars > 30 days 25503.7
- 4. Inventory Information 25504(a)
- 5. Inventory Complete 2730
- 6. Emergency Response 25504(b)
- 7. Training 25504(c)
- 8. Deficiency 25505(a)
- 9. Modification 25505(b)

II.B ACUTELY HAZ. MAT'L

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N)
- 14. OnSite Conseq. Assess. 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(i)
- 18. Exemption Request? (Y/N) 25536(b)
- 19. Trade Secret Requested? 25538

III. UNDERGROUND TANKS (Title 23)

- General
- 1. Permit Application 25284 (H&S)
  - 2. Pipeline Leak Detection 25292 (H&S)
  - 3. Records Maintenance 2712
  - 4. Release Report 2651
  - 5. Closure Plans 2670

- Monitoring for Existing Tanks
- 6. Method
    - 1) Monthly Test
    - 2) Daily Vadose
      - Semi-annual groundwater
      - One time soils
    - 3) Daily Vadose
      - One time soils
      - Annual tank test
    - 4) Monthly Groundwater
      - One time soils
    - 5) Daily Inventory
      - Annual tank testing
      - Cont pipe leak test
      - Vadose/groundwater mon.
    - 6) Daily Inventory
      - Annual tank testing
      - Cont pipe leak test
    - 7) Weekly Tank Gauge
      - Annual tank testing
    - 8) Annual Tank Testing
      - Daily Inventory
    - 9) Other

- 7. Precls Tank Test 2643
  - Date: \_\_\_\_\_
- 8. Inventory Rec. 2644
- 9. Soil Testing 2646
- 10. Ground Water 2647

- New Tanks
- 11. Monitor Plan 2632
  - 12. Access. Secure 2634
  - 13. Plans Submit 2711
    - Date: \_\_\_\_\_
  - 14. As Built 2635
    - Date: \_\_\_\_\_

Contact: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Signature: *[Signature]*

Inspector: Brian Chen  
 Signature: \_\_\_\_\_

II, III

Property Owner:

Copper & Brass Sales Inc.

17401 Ina Drive East

Detroit MI 48021

DATE:

TO : Local Oversight Program

FROM: Bricker

SUBJ: Transfer of Eligible Local Oversight Case

Site name: Copper + Brass  
Address: 1295 67th city Emeryville zip 608

TO BE ELIGIBLE FOR LOP A CASE MUST MEET 3 QUALIFICATIONS:

1. Number of Tanks: 1 removed?  Y  N Date of removal 12/14/92
2. Samples received?  Y  N Contamination level: 1800  
(ppm and type of test)

Contamination should be over 100 ppm TPH to qualify for LOP

3. Petroleum  Y  N Types: Avgas Jet leaded unleaded Diesel  
fuel oil waste oil kerosene solvents

DepRef remaining \$ 68.50 Closed with Candace/Leslie?  Y  N  
(If no explain why?)

IF YOUR SITE MEETS ALL OF THE ABOVE QUALIFICATIONS YOU SHOULD DO THE FOLLOWING TO TRANSFER THE SITE:

1. YOU MUST CLOSE THE DEPOSIT REFUND CASE AT THIS TIME. YOU MUST ACCOUNT FOR ALL TIME YOU HAVE SPENT ON THE CASE AND TURN IN THE ACCOUNT SHEET TO LESLIE. IF THERE ARE FUNDS STILL REMAINING IT IS STILL BETTER TO TRANSFER THE CASE TO LOP AS THE RATE FOR LOP ALLOWS THE ADDITION OF MANAGEMENT AND CLERICAL TIME. DO NOT ATTEMPT TO CONTINUE TO OVERSEE THE SITE SIMPLY BECAUSE THERE ARE FUNDS REMAINING!
2. COMPLETE THE A AND B PERMIT APPLICATION FORMS AND GIVE TO CONNIE/ELAINE
3. GIVE THE ENTIRE CASE TO THE PROPER LOP STAFF UPSTAIRS FOR THEM TO DO THE REST OF THE TRANSFER AND YOU ARE DONE!

Original to Monarch 12/15/92

STATE OF CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD



# FILE UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input checked="" type="checkbox"/> 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: Copper & Brass Sales

**I. TANK DESCRIPTION** COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D.#	<u>none</u>	B. MANUFACTURE BY:	<u>unknown</u>
C. DATE INSTALLED (MO/DAY/YEAR)	<u>unknown</u>	TANK CAPACITY IN GALLONS:	<u>2000</u>

**II. TANK CONTENTS** IF A-1 IS MARKED, COMPLETE ITEM C

A. <input checked="" type="checkbox"/> 1 MOTOR VEHICLE FUEL	<input type="checkbox"/> 4 OIL	B. <input checked="" type="checkbox"/> 1 PRODUCT	C. <input type="checkbox"/> 1a REGULAR UNLEADED	<input checked="" type="checkbox"/> 3 DIESEL	<input type="checkbox"/> 6 AVIATION GAS
<input type="checkbox"/> 2 PETROLEUM	<input type="checkbox"/> 80 EMPTY	<input type="checkbox"/> 2 WASTE	<input type="checkbox"/> 1b PREMIUM UNLEADED	<input type="checkbox"/> 4 GASAHOL	<input type="checkbox"/> 7 METHANOL
<input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 95 UNKNOWN		<input type="checkbox"/> 2 LEADED	<input type="checkbox"/> 5 JET FUEL	<input type="checkbox"/> 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED \_\_\_\_\_ C A S # \_\_\_\_\_

**III. TANK CONSTRUCTION** MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	<input type="checkbox"/> 1 DOUBLE WALL	<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER	<input type="checkbox"/> 95 UNKNOWN
	<input checked="" type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 4 SECONDARY CONTAINMENT (VAULTED TANK)	<input type="checkbox"/> 99 OTHER _____
B. TANK MATERIAL (Primary Tank)	<input checked="" type="checkbox"/> 1 BARE STEEL	<input type="checkbox"/> 2 STAINLESS STEEL	<input type="checkbox"/> 3 FIBERGLASS
	<input type="checkbox"/> 5 CONCRETE	<input type="checkbox"/> 6 POLYVINYL CHLORIDE	<input type="checkbox"/> 7 ALUMINUM
	<input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 10 GALVANIZED STEEL	<input type="checkbox"/> 95 UNKNOWN
			<input type="checkbox"/> 99 OTHER _____
C. INTERIOR LINING	<input type="checkbox"/> 1 RUBBER LINED	<input type="checkbox"/> 2 ALKYD LINING	<input type="checkbox"/> 3 EPOXY LINING
	<input type="checkbox"/> 5 GLASS LINING	<input checked="" type="checkbox"/> 6 UNLINED	<input type="checkbox"/> 95 UNKNOWN
			<input type="checkbox"/> 4 PHENOLIC LINING
			<input type="checkbox"/> 99 OTHER _____
	IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___		
D. CORROSION PROTECTION	<input type="checkbox"/> 1 POLYETHYLENE WRAP	<input type="checkbox"/> 2 COATING	<input type="checkbox"/> 3 VINYL WRAP
	<input type="checkbox"/> 5 CATHODIC PROTECTION	<input checked="" type="checkbox"/> 91 NONE	<input type="checkbox"/> 95 UNKNOWN
			<input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC
			<input type="checkbox"/> 99 OTHER _____

E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) yes Unknown OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) none

**IV. PIPING INFORMATION** CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A <input checked="" type="radio"/> 1 SUCTION	A U <input type="radio"/> 2 PRESSURE	A U <input type="radio"/> 3 GRAVITY	A U <input type="radio"/> 99 OTHER
B. CONSTRUCTION	A <input checked="" type="radio"/> 1 SINGLE WALL	A U <input type="radio"/> 2 DOUBLE WALL	A U <input type="radio"/> 3 LINED TRENCH	A U <input type="radio"/> 95 UNKNOWN
				A U <input type="radio"/> 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A <input checked="" type="radio"/> 1 BARE STEEL	A U <input type="radio"/> 2 STAINLESS STEEL	A U <input type="radio"/> 3 POLYVINYL CHLORIDE (PVC)	A U <input type="radio"/> 4 FIBERGLASS PIPE
	A U <input type="radio"/> 5 ALUMINUM	A U <input type="radio"/> 6 CONCRETE	A U <input type="radio"/> 7 STEEL W/ COATING	A U <input type="radio"/> 8 100% METHANOL COMPATIBLE W/FRP
	A U <input type="radio"/> 9 GALVANIZED STEEL	A U <input type="radio"/> 10 CATHODIC PROTECTION	A U <input type="radio"/> 95 UNKNOWN	A U <input type="radio"/> 99 OTHER

D. LEAK DETECTION  1 AUTOMATIC LINE LEAK DETECTOR  2 LINE TIGHTNESS TESTING  3 INTERSTITIAL MONITORING  99 OTHER

**V. TANK LEAK DETECTION**

<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING
<input checked="" type="checkbox"/> 6 TANK TESTING	<input type="checkbox"/> 7 INTERSTITIAL MONITORING	<input type="checkbox"/> 91 NONE	<input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

**VI. TANK CLOSURE INFORMATION**

1. ESTIMATED DATE LAST USED (MO/DAY/YR) <u>10/15/92</u>	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING <u>50</u> GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
--	--	---

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) <u>John W. Sutfin</u>	DATE <u>11/25/92</u>
---	-------------------------

**LOCAL AGENCY USE ONLY** THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE		

STATE OF CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD  
**UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A**



COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input checked="" type="checkbox"/> 7 PERMANENTLY CLOSED SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY SITE CLOSURE	

**I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)**

DBA OR FACILITY NAME <b>Copper &amp; Brass Sales</b>		NAME OF OPERATOR <b>Lance Hadsall</b>			
ADDRESS <b>1295 67th Street</b>		NEAREST CROSS STREET <b>Hollis Street</b>	PARCEL # (OPTIONAL)		
CITY NAME <b>Emeryville</b>		STATE <b>CA</b>	ZIP CODE <b>94608</b>	SITE PHONE # WITH AREA CODE <b>510 658-7212</b>	
<input checked="" type="checkbox"/> BOX TO INDICATE <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL AGENCY DISTRICTS <input type="checkbox"/> COUNTY AGENCY <input type="checkbox"/> STATE AGENCY <input type="checkbox"/> FEDERAL AGENCY					
TYPE OF BUSINESS		<input type="checkbox"/> 1 GAS STATION <input type="checkbox"/> 2 DISTRIBUTOR <input type="checkbox"/> 3 FARM <input type="checkbox"/> 4 PROCESSOR <input checked="" type="checkbox"/> 5 OTHER		<input type="checkbox"/> IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE <b>1</b> E. P. A. I. D. # (optional) <b>CAC000-697-504</b>

**EMERGENCY CONTACT PERSON (PRIMARY)**

**EMERGENCY CONTACT PERSON (SECONDARY) - optional**

DAYS: NAME (LAST, FIRST) <b>Hadsall, Lance</b>		PHONE # WITH AREA CODE <b>510 658-7212</b>	DAYS: NAME (LAST, FIRST)	
NIGHTS: NAME (LAST, FIRST) <b>Hadsall, Lance</b>		PHONE # WITH AREA CODE <b>510 758-3767</b>	NIGHTS: NAME (LAST, FIRST) <b>Blandino, George</b>	
			PHONE # WITH AREA CODE <b>510 471-2232</b>	

**II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)**

NAME <b>Copper &amp; Brass Sales</b>		CARE OF ADDRESS INFORMATION <b>Lance Hadsall</b>		
MAILING OR STREET ADDRESS <b>1295 67th Street</b>		<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> STATE AGENCY <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY AGENCY <input type="checkbox"/> FEDERAL AGENCY		
CITY NAME <b>Emeryville</b>		STATE <b>CA</b>	ZIP CODE <b>94608</b>	PHONE # WITH AREA CODE <b>510 658-7212</b>

**III. TANK OWNER INFORMATION - (MUST BE COMPLETED)**

NAME OF OWNER <b>Copper &amp; Brass Sales</b>		CARE OF ADDRESS INFORMATION <b>Lance Hadsall</b>		
MAILING OR STREET ADDRESS <b>1295 67th Street</b>		<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> STATE AGENCY <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY AGENCY <input type="checkbox"/> FEDERAL AGENCY		
CITY NAME <b>Emeryville</b>		STATE <b>CA</b>	ZIP CODE <b>94608</b>	PHONE # WITH AREA CODE <b>510 658-7212</b>

**IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 323-9555 if questions arise.**

TY(TK) HQ 44-000531

**V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED**

<input checked="" type="checkbox"/> box to indicate	<input type="checkbox"/> 1 SELF-INSURED <input type="checkbox"/> 5 LETTER OF CREDIT	<input type="checkbox"/> 2 GUARANTEE <input type="checkbox"/> 6 EXEMPTION	<input checked="" type="checkbox"/> 3 INSURANCE <input type="checkbox"/> 99 OTHER	<input type="checkbox"/> 4 SURETY BOND
---	--	--	--	--

**VI. LEGAL NOTIFICATION AND BILLING ADDRESS** Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING:		
I. <input checked="" type="checkbox"/>	II. <input type="checkbox"/>	III. <input type="checkbox"/>

*THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT*

APPLICANT'S NAME (PRINTED & SIGNATURE) 	APPLICANT'S TITLE <b>John W. Sutfin V.P. Operations</b>	DATE MONTH/DAY/YEAR <b>- 11/25/92</b>
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**LOCAL AGENCY USE ONLY**

COUNTY # <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span>	JURISDICTION # <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span>	FACILITY # <span style="border: 1px solid black; display: inline-block; width: 20px; height: 20px;"></span>
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL

Brian P. OLIVA

Office Copy

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
DEPARTMENT OF ENVIRONMENTAL HEALTH  
HAZARDOUS MATERIALS DIVISION  
80 SWAN WAY, ROOM 200  
OAKLAND, CA 94621  
PHONE NO. 510-271-3320

ACCEPTED

DEPARTMENT OF ENVIRONMENTAL HEALTH  
470 - 27th Street, Third Floor  
Oakland, CA 94612  
Telephone: (415) 674-7237

These plans have been reviewed and found to be able and essentially meet the requirements of local health laws. Changes to your plans indicated by Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction. One copy of these accepted plans must be on file and available to all contractors and craftsmen involved in the removal.

Any change or alterations of these plans and specifications must be submitted to this Department and to the Building Inspector 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.

o Use Health and safety plan must conform to 29 CFR-1910-120  
o associated piping to be sampled every 20-lineal feet

\* Red Pen indicates changes made

UNDERGROUND TANK CLOSURE PLAN

\*\*\* Complete according to attached instructions \*\*\*

1. Business Name Copper & Brass Sales  
Business Owner Mr. Lance Hadsall
  2. Site Address 1295 67th Street  
City Emeryville Zip 94608 Phone (510) 658-7212
  3. Mailing Address 1295 67th Street  
City Emeryville Zip 94608 Phone (510) 658-7212
  4. Land Owner Copper & Brass Sales  
Address 1295 67th St. City, State Emeryville, CA Zip 94608
  5. Generator name under which tank will be manifested Copper & Brass Sales
- EPA I.D. No. under which tank will be manifested CAC 000-697-504

6. Contractor K.T.W. & Associates, Inc.  
Address 43289 Osgood Road  
City Fremont, CA 94539 Phone (510) 623-0480  
License Type\* A, C61/D-40 ID# 572427

\*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board. Indicate that the certificate has been received, in addition, to holding the appropriate contractors license type.

7. Consultant \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Phone \_\_\_\_\_

8. Contact Person for Investigation  
Name John W. Sutfin Title Vice President, Operations  
Phone \_\_\_\_\_

9. Number of tanks being closed under this plan 1  
Length of piping being removed under this plan Unknown  
Total number of tanks at facility 1

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

\*\* Underground tanks are hazardous waste and must be handled \*\*  
as hazardous waste

a) Product/Residual Sludge/Rinsate Transporter

Name Evergreen Environmental EPA I.D. No. CAD 980-695-761  
Hauler License No. \_\_\_\_\_ License Exp. Date \_\_\_\_\_  
Address 6880 Smith Avenue  
City Newark State CA Zip 94560

b) Product/Residual Sludge/Rinsate Disposal Site

Name Evergreen Environmental EPA I.D. No. CAD 980-695-761  
Address 6880 Smith Avenue  
City Newark State CA Zip 94560

c) Tank and Piping Transporter

Name Erickson, Inc. EPA I.D. No. CAD 009-466-392  
Hauler License No. 309177 License Exp. Date \_\_\_\_\_  
Address 255 Parr Boulevard  
City Richmond State CA Zip 94801

d) Tank and Piping Disposal Site

Name Erickson, Inc. EPA I.D. No. CAD 009-466-392  
Address 255 Parr Boulevard  
City Richmond State CA Zip 94801

11. Experienced Sample Collector

Name John W. Sutfin  
Company K.T.W. & Associates, Inc.  
Address 43289 Osgood Road  
City Fremont State CA Zip 94539 Phone (510) 623-0480

12. Laboratory

Name Mc Campbell Analytical, Inc. *usual* 798-1670  
Address 110 2nd Avenue, South #D7  
City Pacheco State CA Zip 94553  
State Certification No. DHS 1644

13. Have tanks or pipes leaked in the past? Yes [ ] No [X]

If yes, describe. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

14. Describe methods to be used for rendering tank inert

The tank will be pumped dry of all product. If sludge or the bottoms remain, rinsate will be created (less than 2% of product) and removed

as hazardous material and hauled to the appropriate recycler. The tank

will be inerted via CO2 displacement at 1.5 time the required amount.

**Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be plugged.**

The Bay Area Air Quality Management District (771-6000), along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of explosion proof combustible gas meters to verify tank inertness. It is the contractor's responsibility to bring a working combustible gas meter on site to verify tank inertness. Gas Tech 1314

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
2,000 gal.	Diesel fuel <i>fuel</i>	soil	2 samples from below the tank, 1 sample from the stockpile for BTXE 8020 or 8240 & TPH-D GCFID 3550

One soil sample must be collected for every 20 feet of piping that is removed. A ground water sample must be collected should any ground water be present in the excavation.



Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated)	Sampling Plan <i>One (1) discrete sample / 20 yds<sup>3</sup> of soil returned to spot</i>

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

16. Chemical methods and associated detection limits to be used for analyzing samples

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
DHS LUFT EPA Method	TPH-D BTX & E TPH & BTXE	GCFID 3550 8020 or 8240 8260	1.0 ppm 0.005

17. Submit Site Health and Safety Plan (See Instructions)

18. Submit Worker's Compensation Certificate copy

Name of Insurer State Fund

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery. The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

22. Submit a closure report to this office within 60 days of the tank removal. This report must contain all the information listed in item 22 of the instructions.

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 understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

Signature of Contractor

Name (please type) K.T.W. & Associates, Inc.

Signature [Handwritten Signature]

Date 11/25/92

Signature of Site Owner or Operator

Name (please type) Copper & Brass Sales

Signature [Handwritten Signature]

Date 11/25/92

## INSTRUCTIONS

### General Instructions

- \* Three (3) copies of this plan plus attachments and deposit must be submitted to this Department.
- \* Any cutting into tanks requires local fire department approval.
- \* One complete copy of your approved plan must be at the construction site at all times; a copy of your approved plan must also be sent to the landowner.
- \* State of California Permit Application Forms A and B are to be submitted to this office. One Form A per site, one Form B for each removed tank.

### Item Specific Instructions

2. SITE ADDRESS  
Address at which closure is taking place.
5. EPA I.D. NO. under which the tanks will be manifested  
EPA I.D. numbers may be obtained from the State Department of Health Services, 916/324-1781.
6. CONTRACTOR  
Prime contractor for the project.
10. STATE REGISTERED HAZARDOUS WASTE TRANSPORTERS/FACILITIES
  - a) All residual liquids and sludges are to be removed from tanks before tanks are inerted.
  - c) Tanks must be hauled as hazardous waste.
  - d) This is the place where tanks will be taken for cleaning.
15. TANK HISTORY AND SAMPLING INFORMATION

Use History - This information is essential and must be accurate. Include tank installation date, products stored in the tank, and the date when the tank was last used.

Material to be sampled - e.g. water, oil, sludge, soil, etc.

Location and depth of samples - e.g. beneath the tank a maximum of two feet below the native soil/backfill interface, side wall at the high water mark, etc.

16. CHEMICAL METHODS AND ASSOCIATED DETECTION LIMITS  
See attached Table 2.

17. SITE HEALTH AND SAFETY PLAN

A site specific Health and Safety plan must be submitted. We advocate the site health and safety plan include the following items, at a minimum:

- a) The name and responsibilities of the site health and safety officer;
- b) An outline of briefings to be held before work each day to appraise employees of site health and safety hazards;
- c) Identification of health and safety hazards of each work task. Include potential fire, explosion, physical, and chemical hazards;
- d) For each hazard, identify the action levels (contaminant concentrations in air) or physical conditions which will trigger changes in work habits to ensure workers are not exposed to unsafe chemical levels or physical conditions;
- e) Description of the work habit changes triggered by the above action levels or physical conditions;
- f) Frequency and types of air and personnel monitoring - along with the environmental sampling techniques and instrumentation - to be used to detect the above action levels. Include instrumentation maintenance and calibration methods and frequencies;
- g) Confined space entry procedures (if applicable);
- h) Decontamination procedures;
- i) Measures to be taken to secure the site, excavation and stockpiled soil during and after work hours (e.g. barricades, caution tape, fencing, trench plates, plastic sheeting, security guards, etc.);
- j) Spill containment/emergency/contingency plan. Be sure to include emergency phone numbers, the location of the phone nearest the site, and directions to the hospital nearest the site;
- k) Documentation that all site workers have received the appropriate OSHA approved trainings and participate in appropriate medical surveillance per 29 CFR 1910.120; and
- l) Page for employees to sign indicating they have read and will comply with the site health and safety plan.

The safety plan must be distributed to all employees and contractors working in hazardous waste operations on site. A complete copy of the site health and safety plan along with any standard operating procedures shall be on site and accessible at all times.

NOTE: These requirements are excerpts from 29 CFR Part 1910.120(b)(4), Hazardous Waste Operations and Emergency Response; Final Rule, March 6, 1989. Safety plans of certain underground tank sites may need to meet the complete requirements of this Rule.

19. PLOT PLAN

The plan should consist of a scaled view of the facility at which the tank(s) are located and should include the following information:

- a) Scale;
- b) North Arrow;
- c) Property Lines;
- d) Location of all Structures;
- e) Location of all relevant existing equipment including tanks and piping to be removed and dispensers;
- f) Streets;
- g) Underground conduits, sewers, water lines, utilities;
- h) Existing wells (drinking, monitoring, etc.);
- i) Depth to ground water; and
- j) All existing tanks and piping in addition to the ones being pulled.

20. DEPOSIT

A deposit, payable to Alameda County for the amount indicated on the Alameda County Underground Storage Tank Fee Schedule, must accompany the plans.

21. Blank Unauthorized Leak/Contamination Site Report forms may be obtained in limited quantities from our office and from the San Francisco Bay Regional Water Quality Control Board (415/464-1255). Larger quantities may be obtained directly from the State Water Resources Control Board at (916) 739-2421.

22. TANK CLOSURE REPORT

The tank closure report should contain the following information:

- a) General description of the closure activities;
- b) Description of tank, fittings and piping conditions. Indicate tank size and former contents; note any corrosion, pitting, holes, etc.;

- c) Description of the excavation itself. Include the tank and excavation depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential contaminant pathways, the depth to any observed ground water, descriptions and locations of stained or odor-bearing soil, and descriptions of any observed free product or sheen;
- d) Description of sampling methods;
- e) Description of any remedial measures conducted at the time of tank removal;
- f) To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depths, and tank and piping locations. Include a copy of the plot plan prepared for the Tank Closure Plan under item 19;
- g) Chain of custody records;
- h) Copies of signed laboratory reports;
- i) Copies of "TSDF to Generator" Manifests for all hazardous wastes hauled offsite (sludge, rinsate, tanks and piping, contaminated soil, etc.); and
- j) Tabulation of the volume and final destination of all non-manifested contaminated soil hauled offsite.

**TABLE #2**  
**RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR**  
**UNDERGROUND TANK LEAKS**

<u>HYDROCARBON LEAK</u>	<u>SOIL ANALYSIS</u>		<u>WATER ANALYSIS</u>	
Unknown Fuel	TPH G	GCFID(5030)	TPH G	GCFID(5030)
	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	TPH AND BTX&E	8260		
Leaded Gas	TPH G	GCFID(5030)	TPH G	GCFID(5030)
	BTX&E	8020 OR 8240	BTX&E	602 or 624
	TPH AND BTX&E	8260	TOTAL LEAD AA	
	TOTAL LEAD AA			
	-----Optional-----			
	TEL	DHS-LUFT	TEL	DHS-LUFT
	EDB	DHS-AB1803	EDB	DHS-AB1803
Unleaded Gas	TPH G	GCFID(5030)	TPH G	GCFID(5030)
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	TPH AND BTX&E	8260		
Diesel, Jet Fuel and Kerosene	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	TPH AND BTX&E	8260		
Fuel/Heating Oil	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	TPH AND BTX&E	8260		
Chlorinated Solvents	CL HC	8010 or 8240	CL HC	601 or 624
	BTX&E	8020 or 8240	BTX&E	602 or 624
	CL HC AND BTX&E	8260	CL HC AND BTX&E	8260
Non-chlorinated Solvents	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602 or 624
	TPH AND BTX&E	8260	TPH and BTX&E	8260
Waste and Used Oil or Unknown (All analyses must be completed and submitted)	TPH G	GCFID(5030)	TPH G	GCFID(5030)
	TPH D	GCFID(3550)	TPH D	GCFID(3510)
	TPH AND BTX&E	8260		
	O & G	5520 D & F	O & G	5520 C & F
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	CL HC	8010 or 8240	CL HC	601 or 624
	ICAP or AA TO DETECT METALS: Cd, Cr, Pb, Zn, Ni			
	METHOD 8270 FOR SOIL OR WATER TO DETECT:			
	PCB*		PCB	
	PCP*		PCP	
	PNA		PNA	
	CREOSOTE		CREOSOTE	

\* If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)

Reference: Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, 10 August 1990

**EXPLANATION FOR TABLE #2: MINIMUM VERIFICATION ANALYSIS**

1. OTHER METHODOLOGIES are continually being developed and as methods are accepted by EPA or DHS, they also can be used.
2. For DRINKING WATER SOURCES, EPA recommends that the 500 series for volatile organics be used in preference to the 600 series because the detection limits are lower and the QA/QC is better.
3. APPROPRIATE STANDARDS for the materials stored in the tank are to be used for all analyses on Table #2. For instance, seasonally, there may be five different jet fuel mixtures to be considered.
4. To AVOID FALSE POSITIVE detection of benzene, benzene-free solvents are to be used.
5. TOTAL PETROLEUM HYDROCARBONS (TPH) as gasoline (G) and diesel (D) ranges (volatile and extractable, respectively) are to be analyzed and characterized by GCFID with a fused capillary column and prepared by EPA method 5030 (purge and trap) for volatile hydrocarbons, or extracted by sonication using 3550 methodology for extractable hydrocarbons. Fused capillary columns are preferred to packed columns; a packed column may be used as a "first cut" with "dirty" samples or once the hydrocarbons have been characterized and proper QA/QC is followed.
6. TETRAETHYL LEAD (TEL) analysis may be required if total lead is detected unless the determination is made that the total lead concentration is geogenic (naturally occurring).
7. CHLORINATED HYDROCARBONS (CL HC) AND BENZENE, TOLUENE, XYLENE AND ETHYLBENZENE (BTX&E) are analyzed in soil by EPA methods 8010 and 8020 respectively, (or 8240) and in water, 601 and 602, respectively (or 624).
8. OIL AND GREASE (O & G) may be used when heavy, straight chain hydrocarbons may be present. Infrared analysis by method 418.1 may also be acceptable for O & G if proper standards are used. **Standard Methods" 17th Edition, 1989, has changed the 503 series to 5520.**
9. **PRACTICAL QUANTITATION REPORTING LIMITS** are influenced by matrix problems and laboratory QA/QC procedures. Following are the Practical Quantitation Reporting Limits:

	<u>SOIL PPM</u>	<u>WATER PPB</u>
TPH G	1.0	50.0
TPH D	1.0	50.0
BTX&E	0.005	0.5
O & G	50.0	5,000.0



Based upon a Regional Board survey of Department of Health Services Certified Laboratories, the Practical Quantitation Reporting Limits are attainable by a majority of laboratories with the exception of diesel fuel in soils. The Diesel Practical Quantitation Reporting Limits, shown by the survey, are:

ROUTINE	MODIFIED PROTOCOL
≤ 10 ppm (42%)	≤ 10 ppm (10%)
≤ 5 ppm (19%)	≤ 5 ppm (21%)
≤ 1 ppm (35%)	≤ 1 ppm (60%)

When the Practical Quantitation Reporting Limits are not achievable, an explanation of the problem is to be submitted on the laboratory data sheets.

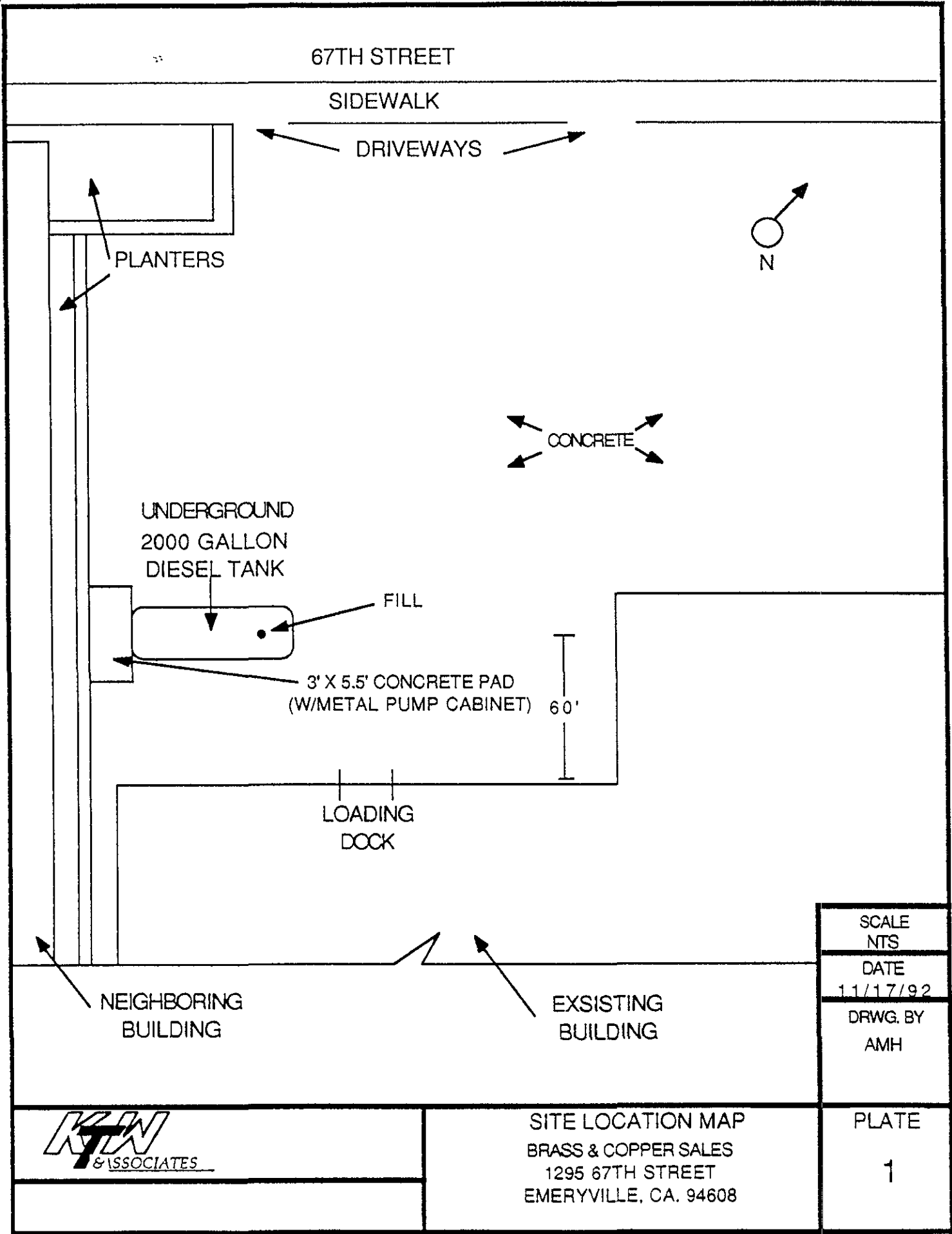
- LABORATORY DATA SHEETS are to be signed and submitted and include the laboratory's assessment of the condition of the samples on receipt including temperature, suitable container type, air bubbles present/absent in VOA bottles, proper preservation, etc. The sheets are to include the dates sampled, submitted, prepared for analysis, and analyzed.
- IF PEAKS ARE FOUND, when running samples, that do not conform to the standard, laboratories are to report the peaks, including any unknown complex mixtures that elute at times varying from the standards. Recognizing that these mixtures may be contrary to the standard, they may not be readily identified; however, they are to be reported. At the discretion of the LIA or Regional Board the following information is to be contained in the laboratory report:

The relative retention time for the unknown peak(s) relative to the reference peak in the standard, copies of the chromatogram(s), the type of column used, initial temperature, temperature program is C/minute, and the final temperature.

- REPORTING LIMITS FOR TPH are: gasoline standard ≤ 20 carbon atoms, diesel and jet fuel (kerosene) standard ≤ 50 carbon atoms. It is not necessary to continue the chromatography beyond the limit, standard, or EPA/DHS method protocol (whichever time is greater).

#### EPILOGUE

ADDITIVES: Major oil companies are being encouraged or required by the federal government to reformulate gasoline as cleaner burning fuels to reduce air emissions. MTBE (Methyl-tertiary butyl ether), ETHANOL (ethyl alcohol), and other chemicals may be added to reformulate gasolines to increase the oxygen content in the fuel and thereby decrease undesirable emissions (about four percent with MTBE). MTBE and ethanol are, for practical purposes, soluble in water. The removal from the water column will be difficult. Other compounds are being added by the oil companies for various purposes. The refinements for detection and analysis for all of these additives are still being worked out. If you have any questions about the methodology, please call your Regional Board representative.



SCALE NTS
DATE 11/17/92
DRWG. BY AMH

PLATE 1
------------



SITE LOCATION MAP  
 BRASS & COPPER SALES  
 1295 67TH STREET  
 EMERYVILLE, CA. 94608

**SITE SAFETY PLAN  
for  
Copper & Brass Sales  
1295 67th Street  
Emeryville, CA. 94608**

**Introduction:**

A Site Safety Plan (SSP) has been designed to address safety provisions during the site tank removal. Its purpose is to provide established procedures to protect all on-site personnel from direct skin contact, inhalation, or ingestion of potentially hazardous materials that may be encountered at the site. The SSP establishes personnel responsibilities, personal protective equipment standards, decontamination procedures, and emergency action plans.

K.T.W. & Associates seeks to enter the property previously described for the purpose of conducting a standard tank removal - soil sample procedures are as follows.

Each sample to be chemically analyzed will be collected in a brass sleeve, capped with aluminum foil lined plastic lids, sealed with tape, and placed on blue ice at or below 4 degrees Centigrade in a cooler immediately. All Chain of Custody protocol will be followed.

This SSP describes means for protecting all on-site personnel from contamination or personal injury while conducting on-site activities. As described below, we will strive to meet all requirements mandated by the California Department of Health Services.

**Responsibilities of Key Personnel:**

All personnel on-site will have assigned responsibilities. Mr. John Sutfin will serve as Project Manager. Mr. Sutfin will also serve as Site Safety Officer (SSO). As SSO, Mr. Sutfin will assure that on-site personnel have received a copy of SSP. Compliance with the SSP will be monitored at all times by the SSO. Appropriate personnel protective equipment, will be available and utilized by all on-site personnel.

Mr. Sutfin, will also be responsible for keeping field notes, collecting and securing samples, and assuring sample integrity by adherence to Chain of Custody protocol.

All on-site employees will take reasonable precautions to avoid unforeseen hazards. After documenting understanding of the SSO, each on-site employee will be responsible for strict adherence to all points contained herein. On-site employees are held responsible to perform only those tasks for which they believe they are qualified. Provisions of the SSO are mandatory and personnel associated with on-site activities will adhere strictly hereto.

**Job Hazard Analysis:**

Hazards likely to be encountered on-site include those commonly encountered when operating any mechanical equipment, such as the danger of falling objects or moving machinery. Simple precautions will reduce or eliminate risks associated with operating such equipment.

Qualified personnel only will have any contact with equipment. All on-site personnel are required to wear hard hats when in close proximity to equipment. Latex sampling gloves will be worn by persons collecting or handling samples to prevent exposure to contaminants. Gloves will be changed between samples, and used ones discarded, to avoid cross-contamination. Furthermore, no on-site smoking, open flame, or sparks will be permitted in order to prevent accidental ignition.

**Risk Assessment Summary:**

Exposure to chemicals anticipated on-site include gasoline, benzene, toluene, xylene and ethylbenzene (BTX&E). These chemicals present a hazard because they are moderately to extremely toxic and most are highly flammable. Threshold Limit Values (TLV's), Short Term Exposure Limits (STEL's) and Toxicity levels (LD50, oral-rate), all in mg/kg (ppm), are listed below.

<u>Compound</u>	<u>TLV</u>	<u>STEL</u>	<u>Toxicity</u>
Gasoline	50	75	
Benzene	10.0	150	4894
Toluene	10.0	150	5000
Xylene	10.0	150	4300

**Personal Protective Equipment:**

Personnel on-site will have access to appropriate personal protective equipment (level C or greater). When handling samples, the on-site geologist will wear latex gloves.

**Work Zones:**

Access to the site will be restricted to authorized personnel. A set of cones, placards, or wide yellow tape, surrounding the site will define the perimeter. The Project Manager will be responsible for site security.

**Decontamination Measures:**

Avoidance of contamination whenever possible is the best method for protection. Common sense dictates that on-site personnel avoid sitting, leaning, or placing equipment on possibly contaminated soil. All personnel will be advised to wash their hands, neck and face with soap and water following each day's use.

**General Safe Work Practices:**

Personal safety and hygiene should be of utmost consideration while on-site. To prevent ingestion of contaminants no person shall be allowed to eat, drink, or smoke in the workzone. The SSO will designate an appropriate near-by area, where it will be safe to allow lunches, etc.

During the inerting process, and during removal, an explosimeter (Gas-Tech) will be on-site to determine proper levels. Two (2) ABC rated fire extinguishers will be on-site for the duration of the project.

**Medical Surveillance Program:**

According to CFR 29, 1910.120, Paragraph (F), employees who wear respirators 30 days or more during one year or who have been exposed to hazardous substances or health hazards above established permissible exposure limits are required to be monitored medically. All site personnel will be required to have had a complete chemical/physical examination to comply with the medical monitoring program.

**Contingency Plans:**

In the event of accident, injury, or other emergency, the Project Director, Senior Project Manager, or other person will notify appropriate governmental agencies or individuals as follows:

1. Police/Fire/EMT  
911
  
2. Alameda County  
Health Services Department  
Hazardous Material Division  
80 Swan Way, Room 200  
Oakland, CA. 94621  
(510) 271-4320
  
3. Emeryville Fire Prevention Bureau  
6303 Hollis Street  
Emeryville, CA. 94608  
(510) 596-3750
  
3. Alta Bates Hospital  
3001 Colby Plaza  
Berkeley, CA. 94608  
(510) 540-0337

Hospital directions from site: From the site take a right onto 67th Street. Drive down 67th Street to San Pablo, turn left on San Pablo. Take San Pablo up to Ashby Ave., turn right onto Ashby Ave. Take Ashby Ave. to Colby Plaza, turn right onto Colby Plaza. Hospital will be on left hand side about one block down.

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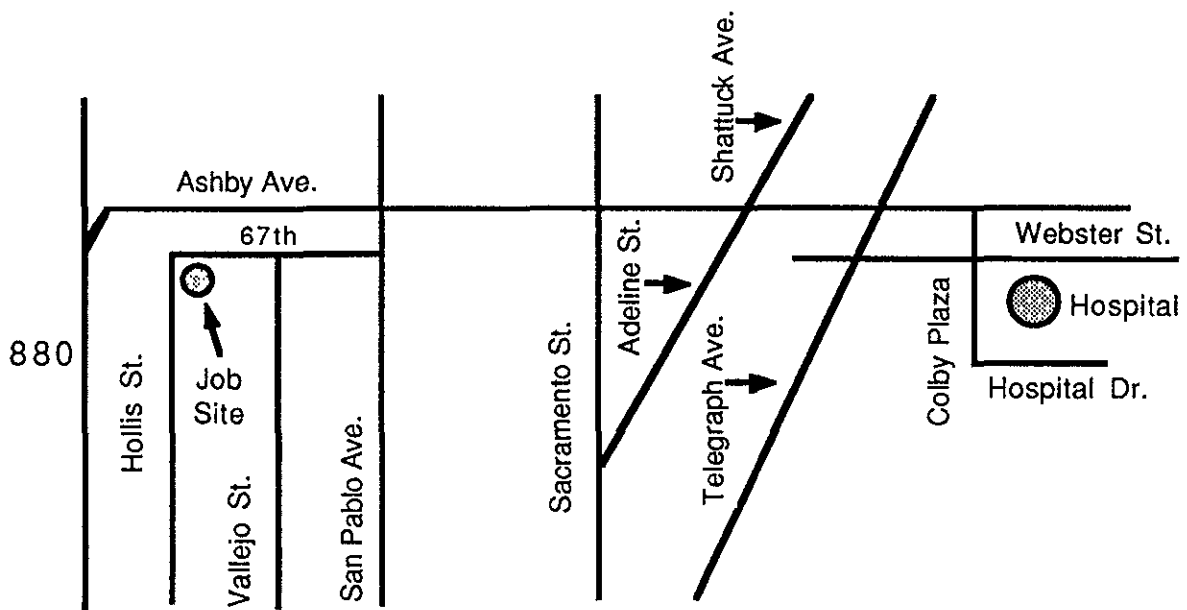
NAME

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NAME

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NAME



SCALE NTS
DATE 11/30/92
DRWG. BY AMH



HOSPITAL ROUTE MAP  
 COPPER & BRASS SALES  
 to Alta Bates Hospital  
 Berkely, CA.

PLATE  
 1

PROJECT:

## DEPARTMENT OF HEALTH SERVICES

2151 BERKELEY WAY  
BERKELEY, CA 94704-1011  
(510) 540-2800



October 7, 1991

Edward Hamilton  
McCampbell Analytical Incorporated  
110 2nd. Avenue South, D7  
Pacheco, CA 94553

Certificate No.: 1644

Dear Mr. Hamilton:

This is to advise you that the laboratory named above has been certified/registered as an environmental testing laboratory pursuant to the provisions of the California Environmental Laboratory Improvement Act of 1988 (Health and Safety Code, Division 1, Part 2, Chapter 7.5, commencing with Section 1010).

The fields of testing for which this laboratory has been certified/registered under this Act are indicated in the enclosed "List of Approved Fields of Testing and Analytes." Certification/registration shall remain in effect until October 31, 1993 unless revoked. This certificate is subject to an annual fee as prescribed by Section 1017(a), Health and Safety Code, on the anniversary date of the certificate.

Please note that your laboratory is required to notify the Environmental Laboratory Accreditation Program of any major changes in the laboratory such as the transfer of ownership, laboratory director, change in location, or structural alterations which may affect adversely the quality of analyses (Section 1014(b), California Health & Safety Code).

Until the new regulations pertaining to environmental laboratories are adopted under the Act, the existing regulations pertaining to drinking water and hazardous waste testing laboratories (California Code of Regulations, Title 22, Sections 64481-64499 and 67602-67606) will remain in effect to the extent that they are not superseded by the provisions of the Act.

Your continued cooperation is essential in order to establish a reputation for the high quality of the data produced by environmental laboratories certified by the State of California.

If you have additional questions, please contact Mr. William Ray at (510) 540-2800.

Sincerely,

A handwritten signature in black ink, appearing to read 'George C. Kulasingam'.

George C. Kulasingam, Ph.D., Manager  
Environmental Laboratory  
Accreditation Program

Enclosure