

# The Environmental Construction Company

... WORKING TOWARDS A CLEANER ENVIRONMENT

July 23, 1990

Mr. David Costa  
Allied Crane Maintenance Inc.  
727 66th Avenue  
Oakland, CA 94621

EL

CALIFORNIA REGIONAL WATER

AUG 02 1990 SL

QUALITY CONTROL BOARD

NEW

UNDERGROUND TANK REMOVAL  
727 66th Avenue  
Oakland, CA 94621

Dear Mr. Costa:

On June 6, 1990, THE ENVIRONMENTAL CONSTRUCTION COMPANY removed one, 1000-gallon steel, single-walled, gasoline underground storage tank from the subject property located at 727 66th Avenue, Oakland, California. The scope of work included completion and submission of the tank closure permits as required by the Alameda County Department of Environmental Health-Hazardous Materials Division (ACDEH-HMD) and City of Oakland Fire Marshal's Office; providing for the removal of the tank and known piping; collection of appropriate samples from the tank pit excavation and piping areas; providing for proper disposal of the tank and associated piping; this report of findings (closure report). This report will summarize the history of the tank, the procedures and results of the inspection, subsurface sampling methods, and analytical results of the samples collected during removal of the tank.

## TANK HISTORY AND SITE BACKGROUND

It is the understanding of THE ENVIRONMENTAL CONSTRUCTION COMPANY that the age of the subject tank is of unknown age and has not been used in approximately 20 years. No as-built plans exist. Prior to the excavation the tank was reported to be a 1000-gallon, underground storage tank that had last contained gasoline. The tank area was covered with concrete and asphalt. The site is located north of Colliseum Way in southern Oakland. Nearby adjacent property usage is industrial/commercial.

## TANK AND PIPING REMOVAL: (FIELD OBSERVATIONS)

On June 6, 1990, TECC personnel exposed the tank for excavation. Mr. Ariu Levi of the ACDEH-HMD) was on site to witness the excavation and removal of the tank, piping, backfill material and sampling procedures. TECC personnel removed the soils over and along the perimeter of the tank to a depth of approximately 9 feet. Upon exposure, the tank was observed to be of a capacity of 2000 gallons. H & H Ship Service Company (USEPA # CAD004771168) pumped approximately 1000 gallons of fuel, oil, and water from the tank. The tank was then purged of volatiles by inserting 100 pounds of dry ice in the fill port end of the tank. A Gastech Model #1314

Allied Crane

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explosimeter was placed into the tank approximately 1 1/2 hours later to observe the Lower Explosive Limit (LEL) and Oxygen levels inside the tank. For safety guidelines the LEL and oxygen levels must be below 10%. Readings below these levels were observed and the tank was prepared to be removed from the pit. This removal was accomplished by attached two heavy-duty chains to each end of the the tank. This assembly was then attached to a backhoe bucket and the tank was lifted from the tank excavation pit. The piping associated with the tank was found to be intact and was removed to a piping and tank staging area away from the excavation. No staining or odor in the soils was observed in the tank pit or the pump island areas before, during, or after the tank removal. Neither was any groundwater encountered. The tank was loaded onto a transport truck (H & H Shipping, USEPA # CAD004771168). The tank was transported by a state-licensed hazardous waste hauler, H&H Ship Service Company of San Francisco (EPA# 004771168) and taken to their recycling facility at 220 China Basin Street, San Francisco, California.

#### EXCAVATION OF SOIL

The depth of the tank pit was approximately 9 feet below surface grade. The excavation area was 15 feet long and 10 feet wide. No odor or staining was observed in the tank removal area. Approximately 60 cubic yards were excavated. The soils were stockpiled and wrapped with plastic to prevent any possible migration of contamination and await results from laboratory analysis.

#### SAMPLING AND ANALYTICAL RESULTS

As per instruction of Mr. Ariu Levi of the ACEHD-HMD THE ENVIRONMENTAL CONSTRUCTION COMPANY recovered two soil samples approximately 10 feet below grade in native soils. These are designated SS-1 and SS-2 in the attached soil sampling Location Map. A soil sample was also taken in the pump island area at a depth of 2 feet below grade and is designated SS-3. Four composite soil samples were also taken of the spoils pile of the excavated soils. These are designated SS-4, SS-5, SS-6, SS-7. The soil sample method used to collect these samples was the grab sample method. A clean 6-inch long and 2 1/2-inch diameter brass tube was driven into a bucket of material recovered from below the base of the tank excavation pit. Immediately upon recovery of the soil sample, the ends of the brass tube were sealed with aluminum foil and plastic caps were secured with aluminized tape. The samples were then placed in ice inside a thermally-insulated cooler for transport to a State- and EPA -Certified Analytical Laboratory, Anametrix Laboratories of San Jose, California. As per LUFT Manual guidelines and the request of the ACEHD-HMD, the samples were tested for Total Petroleum Hydrocarbons (TPH) (as gasoline), EPA

Allied Crane

Page 3 of 4

Method 5030 (GCFID) and Benzene, Toluene, Ethylbenzene and Toluene (BTEX), modified EPA Method 8020. SS-1 was also tested for Organic Lead as per California State Water Resources Control Board LUFT Manual, 1987. The analytical results of the soil sampling are presented in the attachments to this report. Analytical results indicate concentrations of TPH (as gasoline) below test method detection levels of 1.0 milligrams per kilogram (mg/Kg) or parts per million (ppm), except in the composite of the spoils sample, ~~SS-4 through SS-7, which indicated a concentration of 24 ppm.~~ BTEX concentrations are also below test method detection levels of 0.005 and 0.05 ppm. These analytical results indicate concentrations of TPH (as gasoline) and BTEX below any Corrective Action Levels (CAL) required by Federal or State guidelines for soil cleanup.

## LIMITATIONS

The conclusions and professional guidelines presented herein were developed in accordance with generally accepted practice for addressing fuel leaks from underground storage tanks as outlined in the guidelines from the California Water Quality Control Board. Because the analytical results are based on data collected at the sampling locations only, TECC cannot have complete knowledge of the underlying conditions. Conditions at the project site may change with time due to the works of man and/or acts of nature. Accordingly, the findings of this report are subject to revisions, in light of new information.

THE ENVIRONMENTAL CONSTRUCTION COMPANY recommends that a copy of this report be sent to the Alameda County Department of Environmental Health Services Agency-Hazardous Materials Division, 80 Swan Way, Room 200, Oakland, CA 94621. Also a copy should be sent to the Regional Water Quality Control Board 1111 Jackson, Room 6000, Oakland, CA 94607, as soon as possible. If you have any questions please feel free to contact us at (408) 997 1505. THE ENVIRONMENTAL CONSTRUCTION COMPANY was very pleased to be of service to you on this project.

Sincerely Yours,



Thomas A. Smith  
Hydrogeologist/S.A.R.A. Coordinator



Robert J. Whitman  
President

THE ENVIRONMENTAL CONSTRUCTION  
COMPANY

Allied Crane

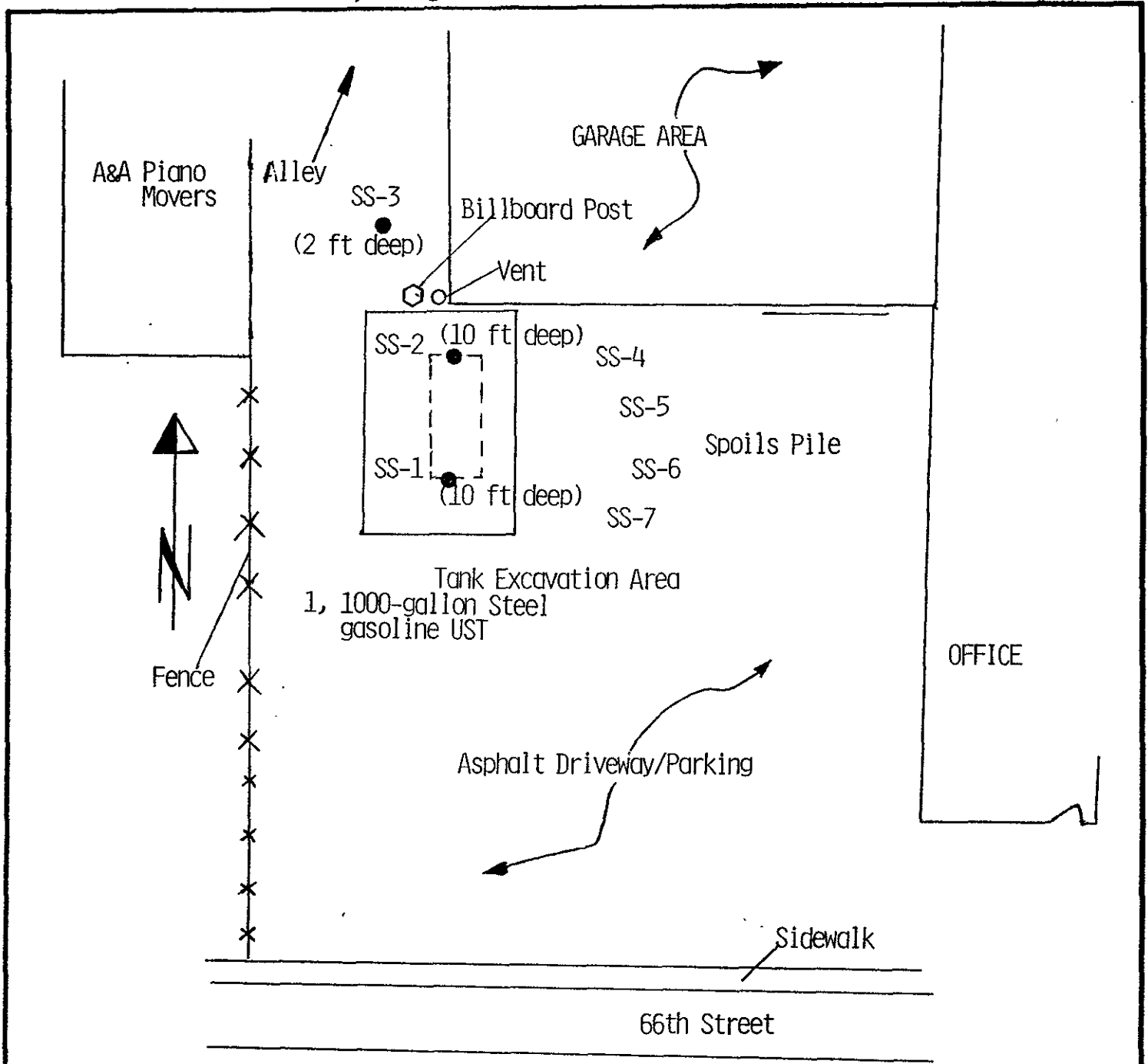
Page 4 of 4

- Attachments:
1. Site map
  2. Closure permits
  3. Hazardous waste manifests
  4. Analytical results and chain of custody

**SITE MAP**

# The Environmental Construction Company

... WORKING TOWARDS A CLEANER ENVIRONMENT



<b>THE ENVIRONMENTAL CONSTRUCTION CO.</b>		
SCALE: 1:10	727 66th Avenue	DRAWN BY T.S.
DATE: 7/26/90	Oakland, California	REVISED
SOIL SAMPLE LOCATION MAP		
● SOIL SAMPLE LOCATIONS		

**CLOSURE PERMITS**

A 212

Allied Crane

Excavation Permit Granted \_\_\_\_\_ No. \_\_\_\_\_

# CITY OF OAKLAND

## Permit to Excavate and Install, Repair, or Remove Inflammable Liquid Tanks

Tank Permit No. 9396

Oakland, California, June 5, 1990

PERMISSION IS HEREBY GRANTED TO EXERCISE remove REMOVE Gasoline tank and excavate commencing \_\_\_\_\_ feet inside property line

on the NORTH side of 66th Avenue Street Avenue \_\_\_\_\_ feet of \_\_\_\_\_ Street Avenue

House No. 727 - 66th Avenue Street Avenue Present Storage \_\_\_\_\_

Owner Mr. Costa Address same Phone 430-2411

Applicant The Environmental Construction Co. Address 259 Kinney Dr., San Jose 95112 Phone 408-997-1505

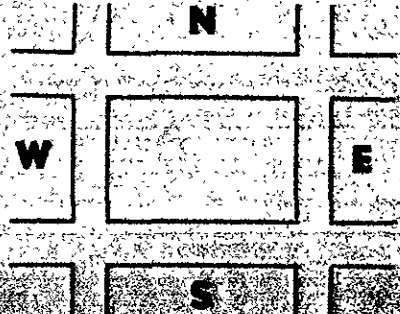
Dimensions of street (sidewalk) surface to be disturbed \_\_\_\_\_ X Number of Tanks 1 Capacity 1,000 Gallons, each

Remarks \_\_\_\_\_

This Permit is granted in accordance with existing City Ordinances.  
Owner hereby agrees to remove tanks on discontinuance of use or when notified by the City Authorities.  
When installing, removing or repairing tanks, no open flame to be on or near premises.

Approved \_\_\_\_\_ Fire Marshal

Approved \_\_\_\_\_ Drainage Division Engineering Dept.



### EXCAVATING PERMIT

Issued in accordance with Ord. No. 279 CMS, Sec. 4-284

where full of digging or removal granted.

The receipt of \$ \_\_\_\_\_ special deposit is hereby acknowledged.

GENERAL DEPOSIT

BUREAU OF PERMITS AND LICENSES

### CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Inspected and passed on \_\_\_\_\_

By \_\_\_\_\_ Fire Marshal

Inspection Fee Paid \$ 30.00 ck/1703 rec/636209

Received by D. Arnold FIRE PREVENTION BUREAU

### NOTICE

Before Covering Tanks, Above Certificate Must Be Signed

When ready for inspection notify Fire Prevention Bureau, 279-2037

**THIS PERMIT MUST BE LEFT ON THE WORK AS AUTHORITY THEREFOR.**



#212 File Copy  
5-17

CITY OF OAKLAND  
FIRE MARSHAL'S OFFICE  
ROOM 201, CITY HALL  
OAKLAND, CALIFORNIA 94612  
273-3851

Permit No.	_____
Copies to	_____
Date Issued	_____

# APPLICATION for PERMIT to INSTALL, REMOVE or REPAIR TANKS

IN THE CITY OF OAKLAND

Date May 11, 1990

Application is hereby made for permit to remove install repair gasoline fuel oil tank and excavate, commencing four feet inside the curb line inside the property line

on the N side of 66th St. Ave. \_\_\_\_\_ feet of \_\_\_\_\_ St. Ave.

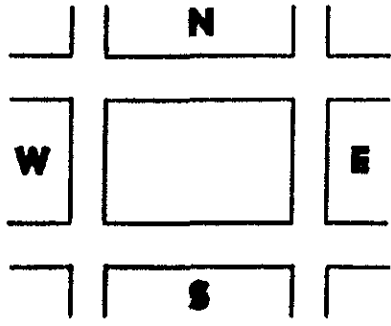
House No. and Street 1727 66th Ave. Street Avenue Present storage Gasoline

Owner Mr. Costa Address Same Phone (415) 430-2411

Applicant THE ENVIRONMENTAL CONST. CO. Address 259 KINNEY DRIVE, S.I. 95112 Phone 408-997-1505

Remarks No sidewalk disturbance. Pull 1-1000 gal UST

Sidewalk surface to be disturbed N/A Number of Tanks 1 Capacity 1000 Gallons each



Signature Jacquelyn A. Miller  
\$80.00

N →

#212

SITE MAP  
727 66<sup>th</sup> Ave  
Oakland, Ca. 94621  
(415) 430-2411

HPA  
Plans  
Mowers  
Office

Post for  
Bickman  
3" dia.

Pal  
STAYS

GARAGE AREA  
Pull Dispenser  
& Fill Line

Asphalt  
17'0" x 15'0"  
Concrete  
pad

Front Post

25' x

Office

Driveway

Front  
Door  
10'0"

Sidewalk

66<sup>th</sup> St

concrete out  
Asphalt to resurface

#212

CITY OF OAKLAND



CITY HALL • ONE CITY HALL PLAZA • OAKLAND, CALIFORNIA 94612

TTY 839-6451

Office of Finance

THE ENVIRONMENTAL CONSTRUCTION CO.  
259 KINNEY DR  
SAN JOSE CA 95112 - 0000

Date: MAY 10, 1990

To Whom it May Concern;

The Business named below has been issued a Business Tax Certificate by this office:

Business Name: THE ENVIRONMENTAL CONSTRUCTION CO.

Business Address: 259 KINNEY DR., SAN JOSE CA 95112 - 0000

Owner(s) of Record: ROBERT J. WILTMAN

Business Tax Certificate Account No.: 458309

Expiration Date of Certificate: DECEMBER 31, 1990

Business Classification: MISCELLANEOUS TRADE CONTRACTOR

The certificate is a Business Tax and is not regulatory. Information concerning ownership is that given by licensee or certificate holder.

By Anton B. Hodges  
Business Tax Section



State of Connecticut  
 Department of Consumer Affairs  
**CONTRACTORS STATE LICENSE BOARD**



License Number

518789

Entity

INDIV

Name/Company Name

ENVIRONMENTAL  
 CONSTRUCTION COMPANY THE

Classification(s)

CB1/D40

Expiration Date

10/31/91

**HAZARDOUS WASTE MANIFESTS  
and  
CERTIFICATES OF DISPOSAL**

Please print or type. (Form designed for use on 12-pitch typewriter).

90037910

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8902; WITHIN CALIFORNIA CALL 1-800-862-7850

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <b>ALLIED CRANE MAINTENANCE 727 - 66th Avenue Oakland, CA 94621</b>				A. State Manifest Document Number <b>90037910</b>		
4. Generator's Phone <b>(415) 431-2411</b>		5. US EPA ID Number <b>K A 1 0 3 0 4 7 7 1 1 6 0</b>		B. State Generator's ID		
6. Transporter 1 Company Name <b>H &amp; H Ship Service Company</b>		7. US EPA ID Number <b>K A 1 0 3 0 4 7 7 1 1 6 0</b>		C. State Transporter's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone		
8. Designated Facility Name and Site Address <b>H &amp; H Ship Service Company 200 China Basin Street San Francisco, CA 94102</b>		9. US EPA ID Number <b>K A 1 0 3 0 4 7 7 1 1 6 0</b>		E. State Transporter's ID		
10. State Facility's ID		11. Facility's Phone		F. Transporter's Phone		
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. <b>HAZARDOUS WASTE LIQUID, N.O.S. ORM-R NA 2199</b>		6	1	1000	g	State: <b>CA</b> EPA Form: <b>302</b>
b.						State: <b>CA</b> EPA Form: <b>302</b>
c.						State: <b>CA</b> EPA Form: <b>302</b>
d.						State: <b>CA</b> EPA Form: <b>302</b>
16. Additional Descriptions for Materials Listed Above <b>FINAL TILL AND WATER</b>				17. Handling Code: No. Type: Subcode		
18. Special Handling Instructions and Additional Information <b>JUN 14 1991</b> <b>KNOWLEDGE, PROTECTIVE EQUIPMENT AND VENTILATION</b>						
19. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name <b>[Signature]</b>		Signature		Month Day Year <b>[Signature]</b>		
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name <b>JOE J. MENDO</b>		Signature <b>[Signature]</b>		Month Day Year <b>[Signature]</b>		
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name <b>[Signature]</b>		Signature <b>[Signature]</b>		Month Day Year <b>[Signature]</b>		
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19						
Printed/Typed Name		Signature		Month Day Year		

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

### UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA00003000510	Manifest Document No. 90037882	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address ALLIED CRANE MAINTENANCE 727 - 66th Avenue, Oakland, CA 94612	4. Generator's Phone (415) 430-2411	5. State Manifest Document No. 90037882	6. State Generator's ID
5. Transporter 1 Company Name H & H Ship Service Company	6. US EPA ID Number CA000471168	7. State Transporter's ID 1000012353	8. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	9. State Transporter's ID	10. Transporter's Phone
9. Designated Facility Name and Site Address H & H Ship Service Company 230 Crane Basin Street San Francisco, CA 94107	10. US EPA ID Number CA000471168	11. State Facility's ID 1000012353	12. Facility's Phone (415) 441-8834

90037882  
GENERATOR  
TRANSPORTER  
FACILITY  
IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER, 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550.

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	Waste No.
	No.	Type			
a. RESIDUE GASOLINE TANK NON-RCRA HAZARDOUS WASTE	5	DRUM	100.000	P	RCRA 311 EPA 689 State EPA 689 State EPA 689 State EPA 689 State
b.					
c.					
d.					

15. Special Handling Instructions and Additional Information  
 WITH 34194  
 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TOP UH JIM      Signature: \_\_\_\_\_      Month Day Year: 11 6 82

17. Transporter 1 Acknowledgement of Receipt of Materials  
 Printed/Typed Name: LAND D. SMITH or RAYMOND L. JIMENEZ      Signature: \_\_\_\_\_      Month Day Year: 11 6 82

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

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.  
 Printed/Typed Name: \_\_\_\_\_      Signature: \_\_\_\_\_      Month Day Year: \_\_\_\_\_

Do Not Write Below This Line



Jobs # 212

CERTIFICATE OF DISPOSAL  
-----

JUNE 04, 1990

220 CHINA BASIN, SAN FRANCISCO, CA 94107 • DAY AND NIGHT: 543-4835

H & H Ship Service Company hereby certifies to ENVIRONMENTAL CONST.  
that: -----

1. The storage tank(s), size(s) ONE (1) 1,000 GALS.  
-----

removed from the ALLIED CRANE MAINTENANCE  
-----

facility at 727 - 66TH AVENUE  
-----

OAKLAND, CALIFORNIA  
-----

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

2. The following tank(s), H & H Job Number 4594  
-----

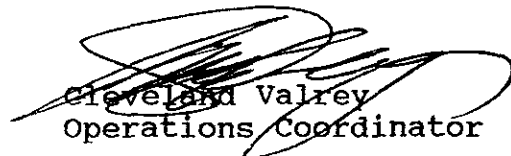
have been steamed cleaned, cut with approximately 2' X 2' holes,  
rendered harmless and disposed of as scrap metal.

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

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

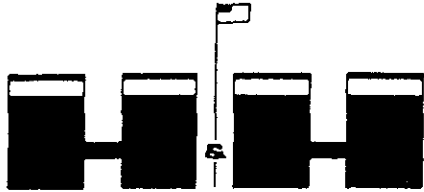
5. Should you require further information, please call  
(415) 543-4835.

Very Truly Yours,

  
Cleveland Valrey  
Operations Coordinator







**ENVIRONMENTAL SERVICES**  
 (DIVISION OF H&H SHIP SERVICE CO., INC.)

**CERTIFICATE OF DISPOSAL**  
 -----

JUNE 04, 1990

H & H Ship Service Company hereby certifies to *ENVIRONMENTAL CONST.*  
 that: -----

1. The storage tank(s), size(s) *ONE (1) 1,000 GALS.*  
 -----

removed from the *ALLIED CRANE MAINTENANCE*  
 -----

facility at *727 - 66TH AVENUE*  
 -----

*OAKLAND, CALIFORNIA*  
 -----

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

2. The following tank(s), H & H Job Number *4594*  
 -----

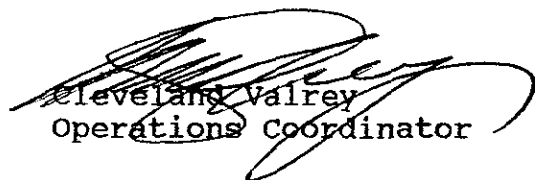
have been steamed cleaned, cut with approximately 2' X 2' holes,  
 rendered harmless and disposed of as scrap metal.

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

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

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

Very Truly Yours,

  
 Cleveland Valrey  
 Operations Coordinator

220 CHINA BASIN, SAN FRANCISCO, CA 94107 • DAY AND NIGHT: 543-4835



Please print or type. (Form designed for use on *elle* (12-pitch typewriter).)

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. C A C 0 0 0 2 8 0 2 5 1		Manifest Document No. 1 0 0 0 0 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address ALLIED CRANE MAINTENANCE 727 - 66th Avenue, Oakland, CA 94621						A. State Manifest Document Number <b>90037882</b>							
4. Generator's Phone (415) 430-2411						B. State Generator's ID							
5. Transporter 1 Company Name H & H Ship Service Company			6. US EPA ID Number C A D 0 0 4 7 7 1 1 6 8			C. State Transporter's ID 100941/103563		D. Transporter's Phone (415) 543-4835					
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone					
9. Designated Facility Name and Site Address H & H Ship Service Company 220 China Basin Street San Francisco, CA 94107						10. US EPA ID Number C A D 0 0 4 7 7 1 1 6 8		G. State Facility's ID C A D 0 0 4 7 7 1 1 6 8					
						H. Facility's Phone (415) 543-4835							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		1. Waste No.	
a. RESIDUE GASOLINE TANK NON-RCRA HAZARDOUS WASTE						0 0 1 T P		0 1 0 0 0		P		State 512	
b.												EPA/Other	
c.												State	
d.												EPA/Other	
J. Additional Descriptions for Materials Listed Above PUMPED OUT 1,000 gallon tank last containing gasoline. Tank inerted with dry ice for transport.						K. Handling Codes for Wastes Listed Above a. 01		b.		c.		d.	
15. Special Handling Instructions and Additional Information JOB #4594  APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name x TED Whitman						Signature x <i>Ted Whitman</i>						Month Day Year 0 6 0 6 9 0	
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name LANCE D. SMITH or RAYMOND L. JIMENEZ						Signature <i>Raymond Jimenez</i>						Month Day Year 0 6 0 6 9 0	
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature						Month Day Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name <i>Cleveland Vanez</i>						Signature <i>Cleveland Vanez</i>						Month Day Year 0 6 0 6 9 0	

90037882  
IN CASE OF AN EMERGENCY OF SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7350

GENERATOR

TRANSPORTER

FACILITY

**LABORATORY ANALYTICAL RESULTS**

**and**

**CHAIN OF CUSTODY**



# ANAMETRIX INC

Environmental & Analytical Chemistry  
1061 Concourse Drive, Suite F, San Jose, CA 95131  
(408) 432-8122 • Fax (408) 432-8128



# REPORT

Mack Baker  
The Environmental Construction Co.  
259 Kinney Drive  
San Jose, CA 95112-4433

June 18, 1990  
Anamatrix W.O.#: 9006083  
Date Received : 06/07/90  
Project Number : 212

Dear Mr. Baker:

Your samples have been received for analysis. The REPORT SUMMARY lists your sample identifications and the analytical methods you requested. The following sections are included in this report: RESULTS and QUALITY ASSURANCE.

NOTE: Amounts reported are net values, i.e. corrected for method blank contamination.

If there is any more that we can do, please give us a call. Thank you for using ANAMETRIX, INC.

Sincerely,

A handwritten signature in cursive script that reads "Burt Sutherland".

Burt Sutherland  
Laboratory Director

BWS/dm

REPORT SUMMARY  
ANAMETRIX, INC. (408) 432-8192

Client	: The Environmental Construction Co.	Anamatrix W.O.#:	9006083
Address	: 259 Kinney Drive	Date Received	: 06/07/90
		Purchase Order#:	N/A
City	: San Jose, CA 95112-4433	Project No.	: 212
Attn.	: Mack Baker	Date Released	: 06/18/90

Anamatrix I.D.	Sample I.D.	Matrix	Date Sampled	Method	Date Extract	Date Analyzed	Inst I.D.
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RESULTS

9006083-01	SS-1	SOIL	06/06/90	TPH		06/13/90	N/A
9006083-02	SS-2	SOIL	06/06/90	TPH		06/13/90	N/A
9006083-03	SS-3	SOIL	06/06/90	TPH		06/13/90	N/A
9006083-04	SS-4,5,6,7	SOIL	06/06/90	TPH		06/13/90	N/A
9006083-01	SS-1	SOIL	06/06/90	ORG PB		06/13/90	N/A

QUALITY ASSURANCE (QA)

OMB0613	METHOD BLANK	SOIL	N/A	ORG PB		06/13/90	AA1
9006083-01	9006083-01MS,MSD	SOIL	06/06/90	SPIKE		06/13/90	AA1

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS  
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 212 SS-1  
 Matrix : SOIL  
 Date sampled : 06/06/90  
 Date anl.TPHg: 06/13/90  
 Date ext.TPHd: N/A  
 Date anl.TPHd: N/A

Anamatrix I.D. : 9006083-01  
 Analyst : CB  
 Supervisor : DCG  
 Date released : 06/18/90  
 Date ext. TOG : N/A  
 Date anl. TOG : N/A

CAS #	Compound Name	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
71-43-2	Benzene	0.005	ND
108-88-3	Toluene	0.005	ND
100-41-4	Ethylbenzene	0.005	ND
1330-20-7	Total Xylenes	0.005	ND
	TPH as Gasoline	1	ND

ND - Not detected at or above the practical quantitation limit for the method.

TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.

BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS  
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 212 SS-2  
 Matrix : SOIL  
 Date sampled : 06/06/90  
 Date anl.TPHg: 06/13/90  
 Date ext.TPHd: N/A  
 Date anl.TPHd: N/A

Anamatrix I.D. : 9006083-02  
 Analyst : CB  
 Supervisor : DGG  
 Date released : 06/18/90  
 Date ext. TOG : N/A  
 Date anl. TOG : N/A

CAS #	Compound Name	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
71-43-2	Benzene	0.005	ND
108-88-3	Toluene	0.005	ND
100-41-4	Ethylbenzene	0.005	ND
1330-20-7	Total Xylenes	0.005	ND
	TPH as Gasoline	1	ND

ND - Not detected at or above the practical quantitation limit for the method.

TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.

BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.



ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS  
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 212 SS-3  
 Matrix : SOIL  
 Date sampled : 06/06/90  
 Date anl.TPHg: 06/13/90  
 Date ext.TPHd: N/A  
 Date anl.TPHd: N/A

Anamatrix I.D. : 9006083-03  
 Analyst : CP  
 Supervisor : DOG  
 Date released : 06/18/90  
 Date ext. TOG : N/A  
 Date anl. TOG : N/A

CAS #	Compound Name	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
71-43-2	Benzene	0.005	ND
108-88-3	Toluene	0.005	ND
100-41-4	Ethylbenzene	0.005	ND
1330-20-7	Total Xylenes	0.005	ND
	TPH as Gasoline	1	ND

ND - Not detected at or above the practical quantitation limit for the method.

TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.

BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS  
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 212 SS-4, 5, 6, 7  
 Matrix : SOIL  
 Date sampled : 06/06/90  
 Date anl.TPHg: 06/13/90  
 Date ext.TPHd: N/A  
 Date anl.TPHd: N/A

Anamatrix I.D. : 9006083-04  
 Analyst : eb  
 Supervisor : DDG  
 Date released : 06/18/90  
 Date ext. TOG : N/A  
 Date anl. TOG : N/A

CAS #	Compound Name	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
71-43-2	Benzene	0.05	ND
108-88-3	Toluene	0.05	ND
100-41-4	Ethylbenzene	0.05	ND
1330-20-7	Total Xylenes	0.05	ND
	TPH as Gasoline	1	24

- ND - Not detected at or above the practical quantitation limit for the method.  
 TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.  
 BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - ORGANIC LEAD  
 ANAMETRIX, INC. - (408) 432-8192

Anamatrix I.D.: 9006083  
 Matrix : SOIL  
 Date Sampled : 06/06/90  
 Project Number: 212

Date Prepared : 06/13/90  
 Date Analyzed : 06/13/90  
 Instrument I.D.: AA1  
 Date Released : 06/18/90

	EPA Method#	Reporting Limit	Sample I.D.# SS-1	Sample I.D.# BLANK
ELEMENTS		(mg/Kg)	-01	OMB0613
Organic Lead	LUFT	0.08	ND	ND

ND : Not detected at or above the practical quantitation limit for the method.

Organic Lead by Leaking Underground Fuel Tank (LUFT) Manual, 1987  
 California State Water Resources Control Board.

Mona Kamel  
 Analyst Date 6/18/90

Manny Nguyen  
 Supervisor Date 6/18/90

ANAMETRIX, INC.  
1961 CONCOURSE DRIVE, SUITE E  
SAN JOSE, CA 95131, (408) 432-8192

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ORGANIC LEAD MATRIX SPIKE REPORT  
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Spike I.D. : 9006083-01MS,MSD  
Assoc. WO # : 9006083  
Date Analyzed: 06/13/90  
Conc. Units : mg/Kg

Inst. ID: AA1  
Date : 06/13/90  
Matrix : SOIL

ELEMENTS	METHOD	SPIKE AMOUNT	SAMPLE CONC.	M S CONC.	% REC	M S D CONC.	% REC	R P D
Pb	LUFT	0.51	0.00	0.49	97.6	0.53	104.0	6.3

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COMMENT: Spiked with sample ID # 9006083-01.

Mona Kamel                      6/18/90  
Analyst                                      Date

Manny Nguyen                      6/18/90  
Supervisor                                      Date