

93 SEP 13 PM 2: 33

**TANK CLOSURE REPORT**

**ALLIED GLASS COMPANY  
20574 WISTERIA STREET  
CASTRO VALLEY, CA 94546**



2821 Whipple Road  
Union City, CA 94587-1233  
415/429-8088 • 800/523-8088  
FAX: 415/429-8089  
Engr. Contr. Lic. # 575837

TANK CLOSURE REPORT

ALLIED GLASS COMPANY  
20574 WISTERIA STREET  
CASTRO VALLEY, CA 94546

August 26, 1993

This report has been prepared by the staff of **Tank Protect Engineering of Northern California, Inc.** under the direction of an Engineer(s) and/or Geologist(s) whose seal(s) and/or signature(s) appear hereon.

The findings, recommendations, specifications or professional opinions are presented, within the limits prescribed by the client, after being prepared in accordance with generally accepted professional engineering and geologic practice. We make no other warranty, either expressed or implied.



Marc Zomorodi  
Civil Engineer

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## 1.0 INTRODUCTION

The subject site is located at 20574 Wisteria Street in the City of Castro Valley in Alameda County, California. Tank Protect Engineering of Northern California, Inc. (TPE) was contracted by Allied Glass Company (AGC) to remove 2 underground gasoline storage tanks from the site. This closure report documents tank removal activities, soil and water sampling, results of chemical analyses, and disposition of the stockpiled soil and excavation.

## 2.0 TANK REMOVAL

On February 23, 1993, Alviso Independent Oil, Inc. (AIO) removed about 500 gallons and 150 gallons of water from the 1,000-gallon tank and 300-gallon tank, respectively. The water was transported off site by North Valley Oil as hazardous waste under Uniform Hazardous Waste Manifest, State Manifest Document Number 92012699 to AIO located at 5002 Archer Street, in Alviso, California 95002 (see Appendix A).

On February 24, 1993, TPE removed an additional 14 gallons of water from the 1,000-gallon tank and stored it on site in a labeled 55-gallon drum. On August 11, 1993, the water was transported off-site by North Valley Oil as hazardous waste under Uniform Hazardous Waste Manifest, State Manifest Document Number 92008334.

According to AGC, the tanks had been empty since at least 1971 and the water pumped from within the tanks is believed to have been rainwater which had entered the tanks through holes.

On February 24, 1993, TPE removed one 1,000-gallon and one 300-gallon, underground, steel, single-walled, gasoline, storage tanks from the subject site (see Figure 1). The tanks were removed after obtaining acceptance of an Underground Tank Closure Plan from the Alameda County Health Care Services Agency (ACHCSA), Department of Environmental Health, Hazardous Materials Division, and a Fire Permit (No: 93-216) from Eden Consolidated Fire Protection District (ECFPD); and notifying the Bay Area Air Quality Management District (see Appendix A). Tank removal and subsequent soil and water sampling were conducted in accordance with the California Regional Water

Quality Control Board (CRWQCB)-San Francisco Bay Region's "Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites", dated August 10, 1990, and under the supervision of representatives of the ACHCSA and the ECFPD.

Prior to removal, the tanks were purged of flammable vapors by displacement with dry ice, as indicated by a combustible gas indicator (Gastech model 1314). The tanks were removed by TPE and transported off site by H&H Ship Service Company as hazardous waste under Uniform Hazardous Waste Manifest, State Manifest Document Number 92215388 to their facility located at 220 Terry A. Francois Street in San Francisco, California 94107.

After removal the tanks were visually examined. The 300-gallon tank contained numerous holes and the 1,000-gallon tank contained at least 1 hole; both tanks appeared rusty.

About 5 to 15 gallons of perched water were present in the excavation of the 1,000-gallon tank at a depth of about 5.0 feet and contained apparent contamination as evidenced by a sheen.

During tank removal activities, about 18 cubic yards (cyds) of soil were excavated from around the tanks and stockpiled on site by placing the soil on top of, and covering the soil with plastic (see Figure 1). No apparent contamination was present in the excavation sidewalls and stockpiled soil based on the absence of stains and odor.

## 2.1 Soil and Water Sampling

A total of 3 discrete soil samples were collected for chemical analyses from the excavation at depths of about 6.0 feet. Soil samples S-1 and S-2 were collected from native soil beneath the ends of the 1,000-gallon tank and soil sample S-3 was collected from native soil beneath the center of the 300-gallon tank.

Four discrete soil samples, SP1-A through SP1-D, were collected at depths of about 1-foot below the stockpile's surface for laboratory compositing (see Figure 1).

Samples from the excavation were collected by excavating soil with a backhoe bucket and collecting a sample from the bucket in a clean 2-inch diameter by 6-inch long brass tube driven by a slide-hammer corer. After collecting each sample, the brass tube ends were quickly covered with teflon tape, capped with plastic end-caps, labeled, and placed in an iced-cooler for storage.

The stockpile soil samples were collected by removing about 1.0 to 2.0 feet of soil from the stockpile's surface at the selected location and quickly collecting a sample in a brass tube driven into the newly exposed surface by a slide-hammer corer. The samples were placed in an iced-cooler for storage.

One water sample, W-1, was collected in a disposable polyethylene bailer from the water in the excavation. The water sample was stored in 2 laboratory provided and preserved, 40-milliliter vials with teflon-lined screw caps and 1 plastic bottle. The water sample was then placed in an iced-cooler for storage.

All soil and water samples were delivered to California State Department of Health Services (DHS) certified Trace Analysis Laboratory, Inc. located in Hayward, California for chemical analysis accompanied by chain-of-custody documentation (see Appendix B for TPE's protocol relative to sample handling procedures).

### 2.1.1 Analytical Results

All samples were analyzed for total petroleum hydrocarbons as gasoline (TPHG); for benzene, toluene, ethylbenzene, and xylenes (BTEX); and for total lead by the DHS Method, the United States Environmental Protection Agency (EPA) Method 8020 (modified), and EPA Method 7420, respectively.

No TPHG or BTEX were detected in soil samples collected from the excavation. Total lead was detected in samples S-1, S-2, and S-3 at concentrations of 6.8 parts per million (ppm), 3.0 ppm, and 4.0 ppm, respectively.

Composite stockpile sample SP1-(A-D) detected total lead at a concentration of 150 ppm. No TPHG or BTEX were detected.

Water sample W-1 detected TPHG, ethylbenzene, and xylenes at concentrations of 1,700 parts per billion (ppb), 2.3 ppb, and 97 ppb, respectively.

Analytical results are summarized in Tables 1 and 2 and documented with a certified analytical report and a chain-of-custody in Appendix C.

Because of the above analytical results, an Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report was prepared for the ACHCSA (see Appendix A).

### 3.0 DISPOSITION OF STOCKPILED SOIL AND EXCAVATION

To characterize the stockpiled soil for potential disposal at a Class III landfill, composite sample SP1-(A-D) was additionally analyzed for lead by the Waste Extraction Test (WET) and Toxicity Characteristic Leaching Procedure [(TCLP) see Appendix C]. This analysis was required because total lead detected in the stockpile exceeded 10 times the soluble threshold of 5.0 ppm, suggesting hazardous concentrations of soluble lead may be present in the soil.

Chemical analyses by the WET detected lead at a concentration of 5.3 ppm; no lead was detected by the TCLP at a detection limit of .5 ppm.

Since the concentration of lead, detected by the above analyses, exceeded the designated levels for Class III acceptance, TPE, on June 7, 1993, disposed of about 18 cyds of soil to US Ecology, Inc. located at Beatty, Nevada. The soil was transported off site by Conrad Trucking as hazardous waste under Uniform Hazardous Waste Manifest, State Manifest Document Number 92822847 (see Appendix C).

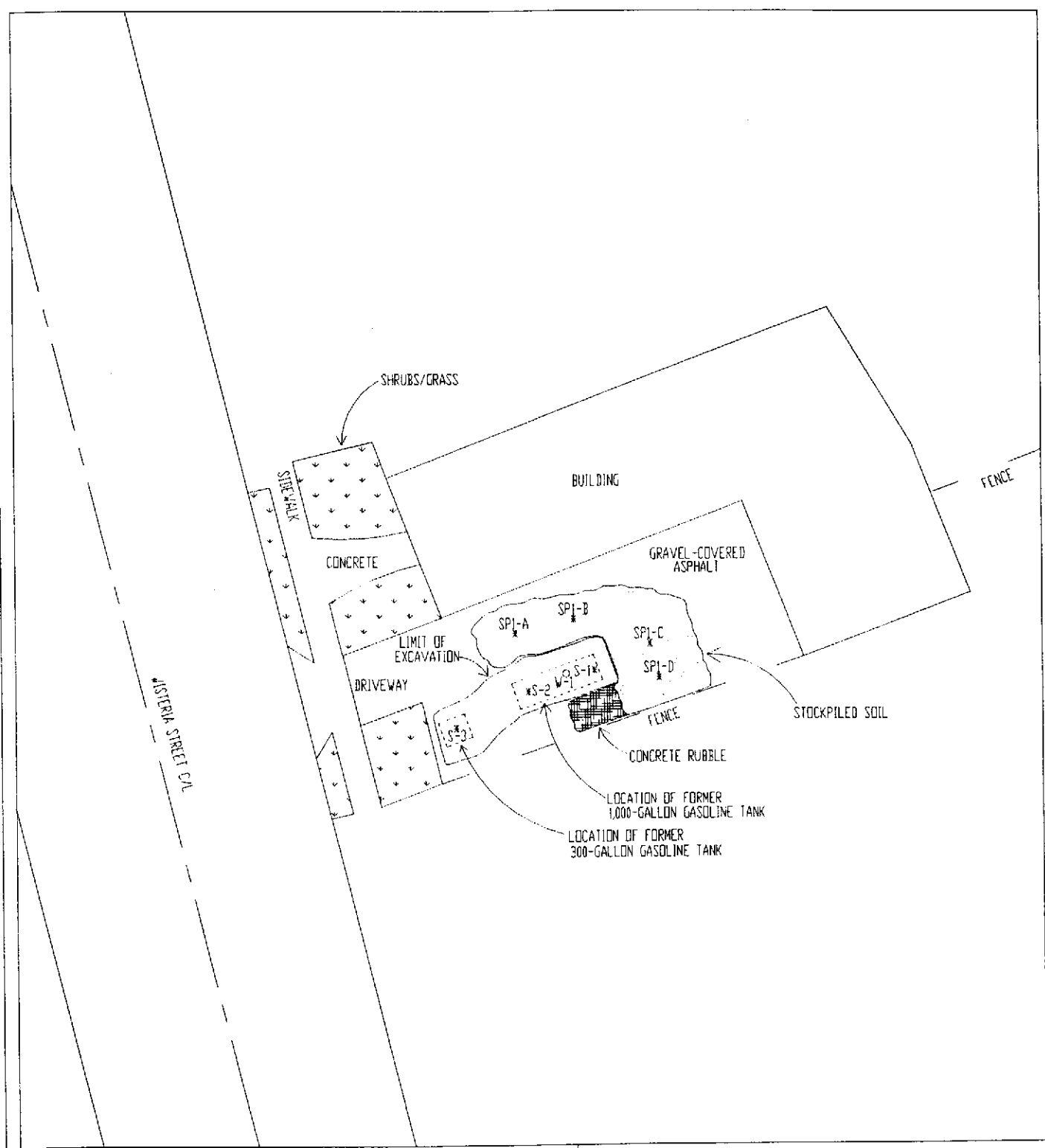
On June 3 and 4, 1993, after receiving approval from the ACHCSA, TPE backfilled the excavation to the ground surface with clean imported aggregate base material.



## APPENDIX A

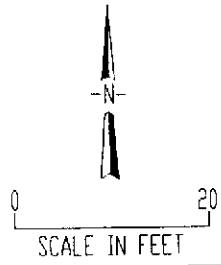
- . ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY,  
DEPARTMENT OF ENVIRONMENTAL HEALTH, HAZARDOUS  
MATERIALS DIVISION, UNDERGROUND TANK CLOSURE PLAN
- . EDEN CONSOLIDATED FIRE PROTECTION DISTRICT, FIRE  
PERMIT
- . BAY AREA AIR QUALITY MANAGEMENT DISTRICT,  
NOTIFICATION FORM
- . UNIFORM HAZARDOUS WASTE MANIFESTS
- . UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE  
(LEAK)/CONTAMINATION SITE REPORT
- . AND US ECOLOGY CERTIFICATE OF RECEIPT AND DISPOSAL

# FIGURES



LEGEND

- S-1 \* NAME AND LOCATION OF SOIL SAMPLE
- W-1 ○ NAME AND LOCATION OF WATER SAMPLE



TANK PROTECT ENGINEERING

SITE PLAN  
TANK REMOVAL (2/24/93)

ALLIED GLASS COMPANY  
20574 WISTERIA STREET  
CASTRO VALLEY, CA 94546

DATE	2/25/93
FIGURE	1
FILE #	251-1
DRAWN BY	MAC
CHECKED BY	

**TABLES**

TABLE 1  
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS  
(ppm<sup>1</sup>)

Sample ID Name	Depth (feet)	TPHG	Benzene	Toluene	Ethyl-Benzene	Xylenes	Total Lead
S-1	6.0-6.5	<.500	<.0050	<.0050	<.0050	<.015	6.8
S-2	6.0	<.500	<.0050	<.0050	<.0050	<.015	3.0
S-3	6.0	<.500	<.0050	<.0050	<.0050	<.015	4.0
SP1-(A-D) <sup>2</sup>	1.0-2.0	<.500	<.0050	<.0050	<.0050	<.015	150

<sup>1</sup> PARTS PER MILLION

<sup>2</sup> ALSO ANALYZED FOR SOLUBLE LEAD BY THE WET EXTRACTION TEST (WET) EPA METHOD 7420 AND BY THE TOXICITY CHARACTERISTIC LEACHING PROCEDURE, EPA METHOD 7420; LEAD WAS DETECTED BY THE WET AT A CONCENTRATION OF 5.3 ppm.

TABLE 2  
SUMMARY OF WATER SAMPLE ANALYTICAL RESULTS  
(ppb<sup>1</sup>)

Sample ID Name	TPHG	Benzene	Toluene	Ethyl- Benzene	Xylenes	Total Lead
W-1	1,700	<1.5	<1.1	2.3	97	<100

<sup>1</sup> PARTS PER BILLION

# APPENDICES

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
 DEPARTMENT OF ENVIRONMENTAL HEALTH  
 HAZARDOUS MATERIALS DIVISION  
 80 SWAN WAY, ROOM 200  
 OAKLAND, CA 94621  
 PHONE NO. 510/271-4320

211/93 RB  
 SEE REMOVAL ON PAGE 5  
**ACCEPTED**  
 Underground Storage Tank Closure Permit Application

Alameda County Division of Hazardous Materials  
 80 Swan Way, Suite 200,  
 Oakland, CA 94621  
 Telephone: (510) 271-4320

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of Title and Local Health Laws. Changes to your closure plans indicated by this Department are to ensure compliance with State and local laws. The project-proposed herein is not released for advance of any required building permits for construction/alterations.

One copy of the accepted plans must be on the job, and available to all contractors and inspectors involved with the project. Any changes to the plans must be submitted to the Department for inspection. Permits to alter the plans must be obtained from the Department of State and local laws.

Notify this Department at least 72 hours prior to the final required inspections:  
 Removal of Tank(s) and Piping  
 Sampling  
 Final Inspection

Issuance of a) permit to operate, b) permanent site closure is dependant on compliance with accepted plans and all applicable laws and regulations.

\*\*\* THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS \*\*\*

A. C. H. S. A. M. K. G. H. S. A. M.

**UNDERGROUND TANK CLOSURE PLAN**  
 \* \* \* Complete according to attached instructions \* \* \*

1. Business Name Allied Glass Company  
 Business Owner Bob Brooks
  2. Site Address 20574 Wisteria Street  
 City Castro Valley, CA. Zip 94546 Phone (510)537-2180
  3. Mailing Address 20574 Wisteria Street  
 City Castro Valley, CA. Zip 94546 Phone (510)537-2180
  4. Land Owner Allied Glass Company  
 Address 20574 Wisteria St. City, State CA Zip 94546
  5. Generator name under which tank will be manifested Allied Glass Company
- EPA I.D. No. under which tank will be manifested CAC000834920





**EDEN CONSOLIDATED**  
**FIRE PROTECTION DISTRICT**  
427 PASEO GRANDE • SAN LORENZO, CALIFORNIA 94580  
(415) 670-5853

# FIRE PERMIT

NO: 93-216
ISSUE DATE FEB 16 1993
EXPIRATION DATE MAR 16 1993

NAME OF BUSINESS Allied Glass Company
BUSINESS ADDRESS 20574 Wisteria Street, Castro Valley, CA

THE BUSINESS (AND ITS LOCATION, LISTED ABOVE) PURSUANT TO THE PROVISIONS OF THE ALAMEDA COUNTY FIRE CODE, HAVING MADE APPLICATION IN DUE FORM AND BEING IN COMPLIANCE WITH APPLICABLE CODES, AND ORDINANCES, IS HEREBY GRANTED PERMISSION FOR THE FOLLOWING TYPES OF OPERATIONS:

For the removal of 2 (two) underground storage tanks from the above address. 1,000/500.  
To be removed by Tank Protect Engineering.

UPON ACCEPTANCE OF THIS PERMIT, THE PERMITTEE AGREES TO COMPLY WITH ALL ORDINANCE PROVISIONS NOW ADOPTED OR THAT MAY BE HEREAFTER ADOPTED

<b>THIS PERMIT MUST BE KEPT ON THE PREMISES AT ALL TIMES</b>	FIRE PREVENTION BUREAU 
--	----------------------------



**MANAGEMENT DISTRICT**

939 ELLIS STREET  
SAN FRANCISCO, CALIFORNIA 94109  
(415) 771-6000

**Aeration of Contaminated Soil and  
Removal of Underground Storage Tanks**

**NOTIFICATION FORM**

- Removal or Replacement of Tanks
- Excavation of Contaminated Soil

*N. Len*

**SITE INFORMATION**

SITE ADDRESS <u>20574 Wictoria Street</u>	
CITY, STATE <u>Castro Valley CA.</u>	ZIP <u>94546</u>
OWNER NAME <u>Allied Glass Company</u>	
SPECIFIC LOCATION OF PROJECT <u>at address shown above</u>	
<b>TANK REMOVAL</b>	<b>CONTAMINATED SOIL EXCAVATION</b>
SCHEDULED STARTUP DATE <u>2/23/93</u>	SCHEDULED STARTUP DATE _____
VAPORS REMOVED BY:	STOCKPILES WILL BE COVERED? YES _____ NO _____
<input type="checkbox"/> WATER WASH	ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):
<input checked="" type="checkbox"/> VAPOR FREEING (CO <sup>2</sup> )	_____
<input type="checkbox"/> VENTILATION	(MAY REQUIRE PERMIT)

**CONTRACTOR INFORMATION**

NAME <u>Tank Protect Engineering</u>	CONTACT <u>LOUIS TRAVIS</u>
ADDRESS <u>2921 Whipple Rd</u>	PHONE (510) <u>429-8088</u>
CITY, STATE, ZIP <u>Union City CA 94587</u>	

**CONSULTANT INFORMATION**

(IF APPLICABLE)

NAME _____	CONTACT _____
ADDRESS _____	PHONE ( ) _____
CITY, STATE, ZIP _____	

**FOR OFFICE USE ONLY**

DATE RECEIVED FAX <u>2/18/93</u>	BY <u>[Signature]</u> (init.)	
DATE POSTMARKED _____	BY _____ (init.)	
CC: INSPECTOR NO. <u>555</u>	DATE <u>2/25/93</u>	BY <u>[Signature]</u> (init.)
UPDATE: CONTACT NAME _____	DATE _____	BY _____ (init.)
BAAQMD N # _____	DATA ENTRY <u>2/25/93</u>	

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1

Information in the shaded areas is not required by Federal law.

CA100010834920 0 0 0 0 12 of 1

3. Generator's Name and Mailing Address

ALLIED GLASS CO.  
 20574 WISTERIA ST. CASTRO VALLEY, CALIF. 94546  
 4. Generator's Phone 510 429-8088

5. Transporter 1 Company Name

6. US EPA ID Number

NORTH VALLEY OIL

CA10000027798

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

ALVISO INDEPENDENT OIL INC.  
 5002 Archer Street - P.O. Box 184  
 Alviso, CA 95002

10. US EPA ID Number

CA10000048571

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers  
 No. Type

13. Total  
 Quantity

14. Unit  
 Wt/Vol

a. WASTE OIL N.O.S COMBUSTIBLE LIQUID  
 NA 1270

0 0 1 T-T 00650 G

b.

c.

d.

15. Special Handling Instructions and Additional Information

ERG #27  
 GLOVES  
 EMERGENCY CONTACT PERSON:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the 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 federal, state and international laws.

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 Signature Month Day Year  
 0 12 13 19 93

17. Transporter 1 Acknowledgement of Receipt of Materials  
 Printed/Typed Name Signature Month Day Year  
 LARRY JESUS Larry Jesus 0 12 13 19 93

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.

92012690  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-652-5500  
 GENERATOR  
 FACILITY

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

GENERATOR FACILITY TRANSPORTER

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. C A C 0 0 0 8 3 4 9 2 0		Manifest Document No. 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 GLASS COMPANY 20574 Wisteria Street, Castro Valley, CA. 94546						A. State Manifest Document Number 92215388							
4. Generator's Phone 610) 537-2180						B. State Generator's ID							
5. Transporter 1 Company Name H & H Ship Service Company			6. US EPA ID Number C A D P P 4 7 7 1 1 6 8			C. State Transporter's ID 401991		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 Terry A. Francois Street San Francisco, CA. 94107						10. US EPA ID Number C A D P P 4 7 7 1 1 6 8		G. State Facility's ID					
						H. Facility's Phone (415) 543-4835							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste Number	
						No. Type		Quantity		Wt/Vol		State EPA/Other	
RESIDUE GASOLINE TANK NON-RCRA HAZARDOUS WASTE SOLID						0 0 1 T P		0 1 0 0 0		P		State 51 EPA/Other	
RESIDUE GASOLINE TANK NON-RCRA HAZARDOUS WASTE SOLID						0 0 1 T P		0 0 5 0 0		P		State 51 EPA/Other	
c.												State EPA/Other	
d.												State EPA/Other	
16. Additional Descriptions for Materials Listed Above EMPTY 1,000 and 500-gallon tanks last containing gasoline. Tanks inerted with dry ice for transport. PROFILE #A2511						K. Handling Codes for Wastes Listed Above							
15. Special Handling Instructions and Additional Information JOB #12224 24 Hr. Emergency Contact: H & H #(415) 543-4835 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the 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 federal, state and international laws.  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 Robert A Brooks						Signature <i>Robert A Brooks</i>		Month 2		Day 2		Year 4 9	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name NORMAN L. BERG						Signature <i>Norman L. Berg</i>		Month 0		Day 2		Year 2 9	
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 Charles Valley						Signature <i>Charles Valley</i>		Month 02		Day 24		Year 92	

DO NOT WRITE BELOW THIS LINE.

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No. **CA1000934920** Manifest Document No. **010008** 2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address **ALLIED GLASS**  
**20574 W. STERIN ST**  
**CASTRO VALLEY, CALIF**

4. Generator's Phone **510 537-2180**

5. Transporter 1 Company Name **NORTH VALLEY OIL** 6. US EPA ID Number **CA4000027759**

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

9. Designated Facility Name and Site Address **ALVISO INDUSTRIAL OIL INC** 10. US EPA ID Number **CA4000041571**  
**5002 ARCHEX ST - PO BOX 184**  
**ALVISO, CA 94502**

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Val
	No.	Type		
a. <b>WASTE OIL NOS. (CONTAINERS LEAKED)</b> <b>NH 1270</b>	<b>0101</b>	<b>TIT00014 G</b>		
b.				
c.				
d.				

J. Additional Descriptions for Materials Listed Above  
**MIXED OIL**  
**POWDER**

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

15. Special Handling Instructions and Additional Information  
**ENG #07**  
**GLOVES**  
**EMERGENCY CONTACT PERSON**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the 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 federal, state and international laws.

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 \_\_\_\_\_ Signature \_\_\_\_\_ Month **01** Day **11** Year **93**

17. Transporter 1 Acknowledgement of Receipt of Materials  
 Printed/Typed Name **LARRY SESUS** Signature \_\_\_\_\_ Month **01** Day **11** Year **93**

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 **LARRY SESUS** Signature \_\_\_\_\_ Month **01** Day **11** Year **93**

**DO NOT WRITE BELOW THIS LINE.**

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS.  
 (Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and send to DTSC within 30 days.)

9200934  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550  
 GENERATOR  
 FACILITY

# 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 03/09/93		CASE #		SIGNED _____ DATE _____		
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Marc Zamorodi		PHONE (510) 429-8088		SIGNATURE <i>Marc Zamorodi</i>	
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input checked="" type="checkbox"/> OTHER		<input type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD		COMPANY OR AGENCY NAME Tank Protect Engineering of Northern California, I	
ADDRESS 2821 Whipple Road Union City CA 94587						
RESPONSIBLE PARTY	NAME Allied Glass Company <input type="checkbox"/> UNKNOWN		CONTACT PERSON Bob Brooks		PHONE (510) 537-2180	
	ADDRESS 20574 Wisteria Street Castro Valley CA 94546					
SITE LOCATION	FACILITY NAME (IF APPLICABLE) Allied Glass Company		OPERATOR Bob Brooks		PHONE (510) 537-2180	
	ADDRESS 20574 Wisteria Street Castro Valley CA 94546					
	CROSS STREET					
IMPLEMENTING AGENCIES	LOCAL AGENCY Alameda County Health Care Services Agency		CONTACT PERSON Amir Gholami		PHONE (510) 271-4320	
	REGIONAL BOARD CRWQCB- San Francisco Bay Region				PHONE ( )	
SUBSTANCES INVOLVED	(1) NAME Petroleum hydrocarbons - see below				QUANTITY LOST (GALLONS) <input type="checkbox"/> UNKNOWN	
	(2)				<input type="checkbox"/> UNKNOWN	
DISCOVERY/ABATEMENT	DATE DISCOVERED 02/24/93		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 UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input 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 type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE					
SOURCE/ CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" 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 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 checked="" 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 type="checkbox"/> CLEANUP UNDERWAY					
	CHECK APPROPRIATE ACTION(S) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> OTHER (OT)					
COMMENTS	One 1,000-gallon and one 300-gallon gasoline underground storage tanks were removed.					
	HSC 05 (8/99)					

9922047  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>CA16010183492101010011</b>		Manifest Document No. <b>01010011</b>		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 GLASS COMPANY 20574 WISTERIA ST, CASTRO VALLEY, CALIF,</b>						<b>92822847</b>											
4. Generator's Phone ( ) CONTACT: <b>BOB BROOKS</b>																	
5. Transporter 1 Company Name <b>CONRAD TRUCKING</b>				6. US EPA ID Number <b>CA120101827796</b>		<b>3091072-209206</b> <b>1015-219-1142</b>											
7. Transporter 2 Company Name				8. US EPA ID Number													
9. Designated Facility Name and Site Address <b>U.S. ECOLOGY INC, HWY 95 12 MILES SOUTH OF BEATY NEV, NV11330101101010</b>						10. US EPA ID Number											
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) <b>a. NON-REGULATED SOLID WASTE</b>						12. Containers		13. Total Quantity		14. Unit							
						No.		Type		Quantity		Wt/Vol					
						002		DIT		1184		Y					
						b.											
						c.											
d.																	
15. Special Handling Instructions and Additional Information <b>WEAR PROPER PERSONAL PROTECTIVE EQUIPMENT WHEN HANDLING HAZARDOUS WASTE</b>																	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the 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 federal, state and international laws.  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>Robert A Brooks</b>				Signature <b>Robert A Brooks</b>				Month <b>6</b>		Day <b>9</b>		Year <b>93</b>					
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name <b>LARRY CONRAD</b>		Signature <b>Larry Conrad</b>				Month <b>06</b>		Day <b>07</b>		Year <b>93</b>	
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 <b>Jim St. George</b>				Signature <b>Jim St. George</b>				Month <b>06</b>		Day <b>07</b>		Year <b>93</b>					

DO NOT WRITE BELOW THIS LINE.

# USEcology

an American Ecology company

## CERTIFICATE OF RECEIPT AND DISPOSAL

### DISPOSAL FACILITY

US Ecology, Inc.  
P.O. Box 578  
Beatty, NV 89003

EPA Identification No. NVT330010000

### DISPOSAL CERTIFICATION

Generator Name: ALLIED GLASS COMPANY

I HEREBY CERTIFY THAT THE WASTE MATERIAL LISTED ON MANIFEST NO. 92822847/00001  
AND ANY ATTACHMENTS WAS:

- Received at the US Ecology, Inc. Beatty, Nevada Facility on 6-7-93
- Landfilled at the US Ecology, Inc. Beatty, NV Facility on 6-7-93
- Stored pending Shipment for Off-Site Treatment/Incineration.
- Shipped for Incineration on Manifest No. \_\_\_\_\_ and  
Incinerated on: \_\_\_\_\_ (Certificate of Incineration Attached).
- Stored Pending On-Site Treatment.

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C.1001 and U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direction, made the verification that this information is true, accurate and complete.

Donna M. Miller  
for US Ecology, Inc.

6-29-93

Date



U. S. Ecology-Beatty, Nv (702-553-2203)

#24724

6-07-93

11:33

ID-92822847

74540 1b GR

30040 1 TA

44500 1 NT

# Fairbanks

AUTHORIZED SIGNATURE

APPENDIX B

SAMPLE HANDLING PROCEDURES

## APPENDIX B

### SAMPLE HANDLING PROCEDURES

Soil and groundwater samples will be packaged carefully to avoid breakage or contamination, and will be delivered to the laboratory in an iced cooler. The following sample packaging requirements will be followed.

- . Sample bottle/sleeve lids will not be mixed. All sample lids will stay with the original containers and have custody seals affixed to them.
- . Samples will be secured in coolers to maintain custody, control temperature, and prevent breakage during transportation to the laboratory.
- . A chain-of-custody form will be completed for all samples and accompany the sample cooler to the laboratory.
- . Ice, blue ice, or dry ice (dry ice will be used for preserving soil samples collected for the Alameda County Water District) will be used to cool samples during transport to the laboratory.
- . Each sample will be identified by affixing a pressure sensitive, gummed label, or standardized tag on the container(s). This label will contain the site identification, sample identification number, date and time of sample collection, and the collector's initials.
- . Soil samples collected in brass tubes will be preserved by covering the ends with teflon tape and capped with plastic end caps. The tubes will be labeled, sealed in quart size bags, and placed in an iced-cooler for transport to the laboratory.

All groundwater sample containers will be precleaned and will be obtained from a State Department of Health Services certified analytical laboratory.

Sample Control/Chain-of-Custody: All field personnel will refer to this work plan to verify the methods to be employed during sample collection. All sample gathering activities will be recorded in the site log book; all sample transfers will be documented in the site log book; samples are to be identified with TPE labels and all sample

bottles are to be custody-sealed. All information is to be recorded in waterproof ink. All TPE field personnel are personally responsible for sample collection and the care and custody of collected samples until the samples are transferred or properly dispatched.

The custody record will be completed by the field technician who has been designated by the TPE project manager as being responsible for sample shipment to the appropriate laboratory. The custody record will include, among other things, the following information: site identification, name of person collecting the samples, date and time samples were collected, type of sampling conducted (composite/grab), location of sampling station, number and type of containers used, and signature of the TPE person relinquishing samples to a non-TPE person with the date and time of transfer noted. The relinquishing individual will also put all the specific shipping data on the custody record.

Site log books will be maintained by a designated TPE field employee to record, for each sample, site identification, sampling locations, station numbers, dates, times, sampler's name, designation of the samples as a grab or composite, notation of the type of sample (e.g. groundwater, soil boring, etc.), preservatives used, on-site measurement data, and other observations or remarks.

APPENDIX C

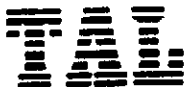
CERTIFIED ANALYTICAL REPORTS AND  
CHAIN-OF-CUSTODY DOCUMENTATION

**Trace Analysis Laboratory, Inc.**

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960

Facsimile (510) 783-1512



March 4, 1993

Marc Zomorodi  
Tank Protect Engineering  
2821 Whipple Road  
Union City, CA 94587

Dear Mr. Zomorodi:

Trace Analysis Laboratory received seven soil and one water sample on February 25, 1993 for your Project No. 251B-022493, Allied Glass Company (our custody log number 2976).

The soil samples were composited and analyzed for Total Petroleum Hydrocarbons as Gasoline and Benzene, Toluene, Ethylbenzene, Xylenes, and Lead. The water sample was analyzed for Total Petroleum Hydrocarbons as Gasoline, Benzene, Toluene, Ethylbenzene, Xylenes and Lead. Our analytical report and the completed chain of custody form are enclosed for your review.

Trace Analysis Laboratory is certified under the California Environmental Laboratory Accreditation Program. Our certification number is 1199.

If you should have any questions or require additional information, please call me.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Rachel Dolbier', written over a horizontal line.

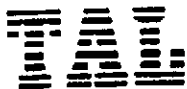
Rachel Dolbier  
Project Specialist

Enclosures

**Trace Analysis Laboratory, Inc.**

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960  
Facsimile (510) 783-1512



LOG NUMBER: 2976  
DATE SAMPLED: 02/24/93  
DATE RECEIVED: 02/25/93  
DATE EXTRACTED: 03/02/93  
DATE ANALYZED: 03/03/93  
DATE REPORTED: 03/04/93

CUSTOMER: Tank Protect Engineering  
REQUESTER: Marc Zomorodi  
PROJECT: No. 251A-022493, Allied Glass Company

Sample Type: Soil

Method and Constituent:	Units	S-1		S-2		S-3	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/kg	ND	500	ND	500	ND	500
Modified EPA Method 8020 for:							
Benzene	ug/kg	ND	5.0	ND	5.0	ND	5.0
Toluene	ug/kg	ND	5.0	ND	5.0	ND	5.0
Ethylbenzene	ug/kg	ND	5.0	ND	5.0	ND	5.0
Xylenes	ug/kg	ND	15	ND	15	ND	15

Composite of 4:  
SPI-A, SPI-B, SPI-C  
and SPI-D

Method and Constituent:	Units	Composite of 4: SPI-A, SPI-B, SPI-C and SPI-D		Method Blank	
		Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:					
Total Petroleum Hydrocarbons as Gasoline	ug/kg	ND	500	ND	500
Modified EPA Method 8020 for:					
Benzene	ug/kg	ND	5.0	ND	5.0
Toluene	ug/kg	ND	5.0	11	5.0
Ethylbenzene	ug/kg	ND	5.0	ND	5.0
Xylenes	ug/kg	ND	15	ND	15

QC Summary:

% Recovery: 104  
% RPD: 1.1

Concentrations reported as ND were not detected at or above the reporting limit.

LOG NUMBER: 2976  
 DATE SAMPLED: 02/24/93  
 DATE RECEIVED: 02/25/93  
 DATE EXTRACTED: 03/03/93  
 DATE ANALYZED: 03/04/93  
 DATE REPORTED: 03/04/93  
 PAGE: Two

Sample Type: Soil

Method and Constituent:	Units	S-1		S-2		S-3			
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit		
EPA Method 7420: Lead	ug/kg	6,800	2,500	3,000	2,500	4,000	2,500		
		Composite of 4: SPI-A, SPI-B, SPI-C and SPI-D				Method Blank		QC Summary	
Method and Constituent:	Units	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	% Recovery	% RPD		
EPA Method 7420: Lead	ug/kg	150,000	6,800	ND	2,500	81	4.3		

Concentrations reported as ND were not detected at or above the reporting limit.



LOG NUMBER: 2976  
 DATE SAMPLED: 02/24/93  
 DATE RECEIVED: 02/25/93  
 DATE ANALYZED: 03/03/93  
 DATE REPORTED: 03/04/93  
 PAGE: Three

Sample Type: Water

Method and Constituent:	Units	W-1		Method Blank	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
DHS Method:					
Total Petroleum Hydro- carbons as Gasoline	ug/l	1,700	50	ND	50
Modified EPA Method 8020 for:					
Benzene	ug/l	ND	1.5	ND	0.50
Toluene	ug/l	ND	1.1	ND	0.50
Ethylbenzene	ug/l	2.3	1.5	ND	0.50
Xylenes	ug/l	97	3.8	ND	1.5

QC Summary:

% Recovery: 76  
 % RPD: 4.9

Concentrations reported as ND were not detected at or above the reporting limit.


LOG NUMBER: 2976  
 DATE SAMPLED: 02/24/93  
 DATE RECEIVED: 02/25/93  
 DATE EXTRACTED: 03/04/93  
 DATE ANALYZED: 03/04/93  
 DATE REPORTED: 03/04/93  
 PAGE: Four

Sample Type: Water

Method and Constituent:	Units	W-1		Method Blank		QC Summary	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	% Recovery	% RPD
EPA Method 7420: Lead	ug/l	ND	100	ND	100	90	*

Concentrations reported as ND were not detected at or above the reporting limit.

\* The RPD is not reportable since the sample prepared in duplicate was not detectable.

  
 Louis W. DuPuis  
 Quality Assurance/Quality Control Manager



TANK PROTECT ENGINEERING

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
 (415) 429-8088  
 (800) 523-8088  
 FAX (415) 429-8089

2976

LAB: Trace Analysis Laboratory  
 TURNAROUND: 5-Day  
 P.O. #: 0566

PAGE 1 OF 1

CHAIN OF CUSTODY

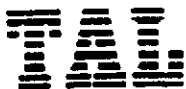
PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS										
251A-022493		Allied Glass Company 20574 Wisteria Street Castro Valley, CA 94546					TOTAL LIGHT HC	AROMATIC HC	TOTAL HC (BTEX)	OIL & GREASE	VOC SCAN (624's)	OTHER	Total Lead											
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER						ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION													
Michael Casso, TPE 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088																								
✓	S-1	2/24/93	1:43	✓		Beneath East End of 1K-gal Tank @ 6.0-6.5'	BRASS TUBE		✓	✓														
✓	S-2		1:33			Beneath West End of 1K-gal Tank @ 6.0'																		
✓	S-3		1:48			Beneath 300-gallon Tank @ 6.0'																		
✓	SPI-A		3:22			Stockpiled Soil @ 1.0-1.5'																		
✓	SPI-B		3:29			Stockpiled Soil @ 1.0-1.5'																		
✓	SPI-C		3:32			Stockpiled Soil @ 1.5-2.0'																		
✓	SPI-D		3:36	✓		Stockpiled Soil @ 2.0-2.5'																		
✓	W-1		1:21		✓	Beneath 1K-gallon Tank @ 5.0'	2-40ml Vials 1 Plastic B/WL		✓	✓														
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)														
Michael Casso		2/25/93, 4:39																						
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)														
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks																
		1		Kara... TAL		2/25/93 4:39 PM		p/u, water, 11-BTEX, Pb=(1)500ml HNO <sub>3</sub> , TPHG/BTEX=(2)40ml HCl, Green, 4-6 5 day TAT, etc.																

DATE: February 25, 1993

Trace Analysis Laboratory, Inc.

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960  
Facsimile (510) 783-1512



April 5, 1993

Mr. Marc Zomorodi  
Tank Protect Engineering  
2821 Whipple Road  
Union City, California 94587

Dear Mr. Zomorodi:

Trace Analysis Laboratory received seven soil and one water sample on February 25, 1993 for your Project No. 251A-022493, Allied Glass Company (our custody log number 2976A).

Four of the samples were composited, extracted and analyzed for lead. Our analytical report and the completed chain of custody form are enclosed for your review.

Trace Analysis Laboratory is certified under the California Environmental Laboratory Accreditation Program. Our certification number is 1199.

If you should have any questions or require additional information, please call me.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Rachel Dolbier'. The signature is fluid and cursive, with a large initial 'R' and 'D'.

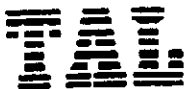
Rachel Dolbier  
Project Specialist

Enclosures

Trace Analysis Laboratory, Inc.

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960  
Facsimile (510) 783-1512



LOG NUMBER: 2976A  
DATE SAMPLED: 02/24/93  
DATE RECEIVED: 02/24/93  
DATE EXTRACTED: 04/01/93 and 04/05/93  
DATE ANALYZED: 04/05/93  
DATE REPORTED: 04/05/93

CUSTOMER: Tank Protect Engineering  
REQUESTER: Marc Zomorodi  
PROJECT: No. 251A-022493, Allied Glass Company

Sample Type: Waste Extraction Test  
Extract of Soil

Method and Constituent:	Units	Composite of SP1-A, B, C and D		Method Blank		QC Summary	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	% Recovery	% RPD
EPA Method 7420: Lead	ug/l	5,300	140	ND	140	72	0.56

Concentrations reported as ND were not detected at or above the reporting limit.

Louis W. DuPuis  
Quality Assurance/Quality Control Manager



TANK PROTECT ENGINEERING

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
 (415) 429-8088  
 (800) 523-8088  
 FAX (415) 429-8089

2976A

LAB: Trace Analysis Laboratory  
 TURNAROUND: 5-Day  
 P.O. #: 0566

PAGE 1 OF 1

CHAIN OF CUSTODY

PROJECT NO.		SITE NAME & ADDRESS				(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS
251A-022493		Allied Glass Company 20574 Wisteria Street Castro Valley, CA 94546					TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	VOC SCAN (241's)	OTHER	To tal Lead	
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER														
Michael Casso, TPE 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088														
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION									
✓ S-1	2/24/93	1:43	✓		Beneath East End OF 1K-gal Tank @ 6.0-6.5'	BRASS TUBE	✓	✓				✓		
✓ S-2		1:33			Beneath West End of 1K-gal Tank @ 6.0'									
✓ S-3		1:48			Beneath 300-gallon Tank @ 6.0'									
✓ SPI-A		3:22			Stockpiled Soil @ 1.0-1.5'									
✓ SPI-B		3:29			Stockpiled Soil @ 1.0-1.5'									
✓ SPI-C		3:32			Stockpiled Soil @ 1.5-2.0'									
✓ SPI-D		3:36	✓		Stockpiled Soil @ 2.0-2.5'									
✓ W-1		1:21		✓	Beneath 1K-gallon Tank @ 5.0'	2-40ml Glass 1 Pint 501.	✓	✓				✓		
Relinquished by: (Signature) <u>Michael Casso</u>						Date / Time	Received by: (Signature)		Relinquished by: (Signature)		Date / Time	Received by: (Signature)		
Relinquished by: (Signature)						Date / Time	Received by: (Signature)		Relinquished by: (Signature)		Date / Time	Received by: (Signature)		
Relinquished by: (Signature)						Date / Time	Received for Laboratory by: (Signature) <u>TAL</u>	Date / Time	Remarks		p/u, water, 11-B-T ea, Pb=(1/500ml) HNO <sub>3</sub> , TPHG/BTEX=(2/40ml) HCl, Green, 4-6 5 day TAT, etc.			

DATE: February 25, 1993

**Trace Analysis Laboratory, Inc.**

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960  
Facsimile (510) 783-1512



May 20, 1993

Mr. Marc Zomorodi  
Tank Protect Engineering  
2821 Whipple Road  
Union City, California 94587

Dear Mr. Zomorodi:

Trace Analysis Laboratory received seven soil samples and one water sample on February 25, 1993 for your Project No. 251A-022493, Allied Glass Company (our custody log number 2976A).

Four of these soil samples were composited, subjected to a Toxicity Characteristic Leaching Procedure and analyzed for lead. Our analytical report and the completed chain of custody form are enclosed for your review.

Trace Analysis Laboratory is certified under the California Environmental Laboratory Accreditation Program. Our certification number is 1199.

If you should have any questions or require additional information, please call me.

Sincerely yours,

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

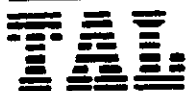
Rachel Dolbier  
Project Specialist

Enclosures

**Trace Analysis Laboratory, Inc.**

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960  
Facsimile (510) 783-1512



LOG NUMBER: 2976A  
DATE SAMPLED: 02/24/93  
DATE RECEIVED: 02/25/93  
DATE EXTRACTED: 05/17/93 - 05/18/93  
DATE ANALYZED: 05/19/93  
DATE REPORTED: 05/20/93

CUSTOMER: Tank Protect Engineering  
REQUESTER: Marc Zomorodi  
PROJECT: No. 251A-022493, Allied Glass Company

Toxicity Characteristic Leaching

Sample Type: Procedure, Extract of Soil

Method and Constituent:	Units	Composite of SP1-A, SP1-B, SP1-C and SP1-D		Method Blank		OC Summary	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	% Recovery	% RPD
EPA Method 7420: Lead	ug/l	ND	500	ND	500	107	*

Concentrations reported as ND were not detected at or above the reporting limit.

\* The RPD is not reportable since the sample prepared in duplicate was not detectable.

Louis W. DuPuis  
Quality Assurance/Quality Control Manager





**TANK PROTECT ENGINEERING**

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
 (415)429-8088  
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**2976A**

LAB: Trace Analysis Laboratory

TURNAROUND: 5-Day

P.O. #: 0566

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**CHAIN OF CUSTODY**

PROJECT NO. 251A-022493		SITE NAME & ADDRESS Allied Glass Company 20574 Wisteria Street Castro Valley, CA 94546				(1) TYPE OF CONTAINER	ANALYTES REQUESTED								REMARKS
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER Michael Casso, TPE 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088							TOTAL LIGHT HC	AROMATIC HC	TOTAL HC (BTEX)	OIL & HEAVY HC	VOC & GREASE	OTHER	Total Lead	TCL P/Pb	
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION										
✓ S-1	2/24/93	1:43	✓		Beneath East End of 1K-gal Tank @ 6.0-6.5'	BRASS TUBE	✓	✓					✓		
✓ S-2		1:33			Beneath west end of 1K-gal Tank @ 6.0'										
✓ S-3		1:48			Beneath 300-gallon Tank @ 6.0'										
✓ SPI-A		3:22			Stockpiled Soil @ 1.0-1.5'										
✓ SPI-B		3:29			Stockpiled Soil @ 1.0-1.5'										
✓ SPI-C		3:32			Stockpiled Soil @ 1.5-2.0'										
✓ SPI-D		3:36	✓		Stockpiled Soil @ 2.0-2.5'										
✓ W-1	✓	1:21		✓	Beneath 1K-gallon Tank @ 5.0'	2-40ml Vials 1 Ptha 50ml	✓	✓					✓		

*Composite into one sample.*

Relinquished by : (Signature) <i>Michael Casso</i>	Date / Time 2/25/93 4:39	Received by : (Signature)	Relinquished by : (Signature)	Date / Time	Received by : (Signature)
Relinquished by : (Signature)	Date / Time	Received by : (Signature)	Relinquished by : (Signature)	Date / Time	Received by : (Signature)
Relinquished by : (Signature)	Date / Time	Received for Laboratory by: (Signature) <i>Kasson</i>	Date / Time 2/25/93 4:39 PM	Remarks p/u, water, 1-B-T ea, Pb=(1)500ml HNO <sub>3</sub> , TPHG/BTEX=(2)40ml HCl, Green, Y-6 5 day TAT, J.C.	