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May 10, 1994

Alameda County Health Care Services Agency
80 Swan Way, Room 200
Oakland, CA 94621

ATTENTION: Ms. Juliet Shin

SUBJECT: PROJECT REPORT - UST REMOVAL
2110 Santa Clara Avenue
Alameda, CA 94501

Dear Ms. Shin:

On behalf of our client, Mr. Michael Ghidella, Aqua Science Engineers, Inc. is pleased to submit the subject report. Being that the subject site is currently in escrow, our client greatly appreciates your time and effort in reviewing this report and preparing the County's recommendation letter.

Mr. Ghidella's address is:

45750 San Louis Ray Avenue, Unit 158
Palm Desert, CA 92260

If you have any questions or comments, please feel free to give us a call at (510) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

David Allen
Project Manager

Attachment: Project Report

cc: Mr. Michael Ghidella, Property Owner
Mr. Rich Hiatt, RWQCB - San Francisco Bay Region



May 9, 1994

PROJECT REPORT
UNDERGROUND STORAGE TANK REMOVAL
(ASE JOB NO. 2750)

for

Mr. Michael Ghidella
2110 Santa Clara Avenue
Alameda, California

Submitted by:

Aqua Science Engineers
2411 Old Crow Canyon Road, #4
San Ramon, California 94583
(510) 820-9391



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1.0 INTRODUCTION

This report documents the removal, disposal and related activities of the underground storage tank (UST) closure performed at 2110 Santa Clara Avenue in Alameda, California (Figure 1). The following tank was removed from the site upon the request of the property owner Mr. Michael Ghidella:

<u>TYPE AND SIZE UST</u>	<u>FORMER CONTENTS</u>
one (1) steel, 1,500 gallon	home-heating fuel

The scope of services provided by Aqua Science Engineers, Inc. (ASE) was in accordance with ASE proposal No. 94-130 and included the following tasks:

- o Obtaining necessary permits from appropriate agencies.
- o Removing and disposing of liquids from the UST.
- o Removing and disposing of the UST.
- o Sampling and analyzing the soil beneath the UST.
- o Sampling and analyzing the excavation stockpiled material.
- o Backfilling and resurfacing the excavation to grade.
- o Preparing this report of methods and findings.

2.0 PERMITS

Permits and approvals required to remove the UST were obtained from the City of Alameda Fire Department (AFD), the City of Alameda building department, CAL-OSHA, and the Bay Area Air Quality Management District (BAAQMD). Copies of the permits, application forms, and notification documents are contained in Appendix C. The Alameda County Health Care Services Agency (ACHCSA) was not involved prior to or during the UST removal process because the size of the UST was not known and was believed to be exempt per ACHCSA regulations. Upon removal, the UST was measured and determined to be "not exempt" according to the ACHCSA; therefore, the AFD representative remained on site during UST removal and soil sampling activities on behalf of the ACHCSA. A copy of this report will be forwarded to Ms. Juliet Shin of the ACHCSA.

3.0 MOBILIZATION

ASE mobilized for on-site activities on May 3, 1994. Project personnel included: ASE Project Manager - David Allen, and Field Personnel from Break-Away Bobcat, Inc. Field operations were conducted by trained technicians who are certified per the mandatory 40-hour safety program as specified in the OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120). A tailgate safety meeting was conducted and the Health and Safety Plan was signed by all field personnel.

4.0 LIQUID REMOVAL

Prior to excavation activities, the insides of the UST were triple rinsed with tap water. The rinseate and residual product, approximately 100 gallons, were pumped out and transported to the Alviso Independent Oil Facility in Alviso, California under hazardous waste manifest No. 92740125 by Waste Oil Recovery Systems (WORS), a licensed hazardous waste hauler. A copy of the manifest is attached in Appendix B.

5.0 EXCAVATION

On May 3, 1994, field personnel began UST removal operations by removing the concrete sidewalk cover material overlying the UST. This material was later removed from the site and disposed of at a recycling facility. As the tank excavation activities continued, the associated product piping and vent lines were either removed or cut and capped at the excavation limits. Air sampling was conducted at the edge of the excavation by use of a hand-held organic vapor monitor (OVM 580A); no action levels were encountered. Excavated overburden soils were stockpiled near the excavation for use as backfill material.

all product piping was removed? Was it rinsed?

6.0 TANK PREPARATION

Prior to UST removal, ASE inerted the UST by adding dry ice at the rate of at least 2.5 pounds per 100 gallons of UST volume. The UST removal operations were witnessed by Captain Steven McKinley, the AFD Assistant Fire Marshal. The Lower Explosive Limit (LEL) of the tank's atmosphere was measured and found to be within the allowable range; therefore, approval for the UST removal was granted by Captain McKinley.

7.0 TANK REMOVAL OPERATIONS

The tank was lifted from the excavation, placed on plastic sheeting, hand cleaned, and inspected by ASE and the AFD prior to being loaded onto the transport vehicle. No noticeable holes or cracks were found in the UST.

The UST was transported to the Erickson Facility in Richmond, CA (a licensed recycling facility, No. CAD009466392) by Dexanna, Ltd. (State Transporter's ID No. 428261) under Manifest No. 93158448 where it was properly disposed. See Appendix B for a copy of the manifest.

8.0 SOIL SAMPLE COLLECTION AND CHEMICAL ANALYSES

Soil samples were collected from the excavation, overburden, and contaminated stockpiled soil as depicted on Figure 2 (see Table One below):

TABLE ONE
SAMPLE LOCATIONS - EXCAVATION PIT and STOCKPILE

<u>Sample Identification</u>	<u>Location</u>	<u>Depth (BGS)</u>
BOT-E	Bottom East End	9'
BOT-W	Bottom West End	9'
SW-6'	North Sidewall	6'
STKP	Contaminated Stockpile	Composite
BKFL	Overburden Soil Used as Backfill	Composite

Upon removal of the tank and inspection of the bottom of the excavation, it appeared that soil contamination was not present. Not until the soil samples were collected from 1' below the bottom of the tank (at a depth of approximately 9' bgs) was soil staining apparent. By use of the backhoe bucket, two bottom of hole samples (BOT-E and BOT-W) were collected 1' below the original bottom of the excavation. The soil samples were saturated to wet and the sample collected from the eastern end of the UST was stained with a gray-green color. A sidewall soil sample was collected near the eastern/northern end of the excavation, bordering Santa Clara Avenue. This sample was collected from a stained area, however it appeared to be far less stained than found beneath the former tank. A moderate odor was detected from the BOT-E soil sample.

Both bottom of excavation soil samples were water saturated. Overexcavation to a depth to 11' bgs (an attempt to overexcavate stained soil) led to very minor ponding of groundwater and severe excavation sidewall sloughing. Post overexcavation soil sample collection was not possible due to the sidewall sloughing which would have led to a non-representative soil sample.

The soil samples were collected in 2" diameter x 6" brass sample tubes. The stockpile and backfill samples (consisting of two discrete samples) were composited by the laboratory. The soil samples were sealed on both ends using Teflon tape, plastic end caps, and duct tape, labeled, placed on dry ice, and transported directly to the analyzing laboratory under proper chain of custody procedures. Samples were submitted to and analyzed by Superior Precision Analytical, Inc. in Martinez, California (DHS No. 1542). The above-referenced samples were analyzed for: Total Petroleum Hydrocarbons (TPH) as diesel by EPA method 8015M, and benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA method 8020. Analyses results are shown below in Table Two; copies of original laboratory data can be found in Appendix A.

TABLE TWO
SOIL SAMPLE RESULTS
TPH as Diesel and BTEX
All Results in Parts Per Million

Sample ID.	TPH Diesel	Benzene	Toluene	Ethyl Benzene	Total Xylenes
-----	-----	-----	-----	-----	-----
BOT-E	1,900	<0.005	<0.005	0.013	0.024
BOT-W	<10	<0.005	<0.005	<0.005	<0.005
SW-6'	<10	<0.005	<0.005	<0.005	<0.005
BKFL*	<10	<0.005	<0.005	<0.005	<0.005
STKP*	24	<0.005	<0.005	<0.005	<0.005
EPA MTD.	8015M	8020	8020	8020	8020

* Composited sample (performed at the lab)

9.0 EXCAVATION BACKFILLING

The excavation was completely backfilled and compacted with a combination of clean, imported material and the overburden material that was surrounding the top and sides of the UST (sample BKFL) on May 3, 1994 in an effort to limit the hazard of an open excavation bordering a busy street.

10.0 STOCKPILED SOIL

The overexcavated material that was removed in an effort to reduce the amount of stained odorous soil in the excavation was stockpiled on site and covered with visqueen. Approximately 5 cubic yards of soil is stockpiled at the subject site to be later disposed of at a licensed recycling facility.

11.0 DISCUSSION AND CONCLUSIONS

A 1,500-gallon home-heating fuel UST was removed and disposed of from the property located at 2110 Santa Clara Avenue in Alameda, California. A soil sample collected from the bottom of the excavation (BOT-E) indicated detectable concentrations of diesel and only trace concentrations of ethylbenzene, and xylenes. The same sample contained no detectable concentrations of benzene. Soil samples collected from the opposite end and sidewall of the excavation contained no detectable concentrations of any of the analyzed constituents.

The overburden soil was returned to the excavation, and based on analytical results, was suitable for use as backfill material.

The stockpiled soil contains minor concentrations of diesel, and therefore will be removed from the site and disposed of at a local recycling facility.

It is the opinion of Aqua Science Engineers, Inc. that no further environmental action be conducted in association with the removed UST based on the following rationale:

- * The UST has been removed and no further additions of contamination are possible.
- * One soil sample collected from the UST excavation contained detectable concentrations of diesel fuel at 1,900 mg./kg. The remaining samples from the UST excavation contained non-detectable diesel fuel concentrations. Based on the results of chemical analyses, the extent of diesel impacted soil appears to be highly localized beneath the east end of the former UST location.
- * The additive constituent of refined motor fuel that is of primary concern is benzene. Benzene was not detected in any of the soil samples collected during this project. In the absence of benzene, residual diesel fuel product at the concentration detected in the UST

excavation is not considered a significant threat to human or environmental health.

- * The only practical technology for the remediation of small volumes of diesel impacted soil is excavation. Overexcavation was attempted by ASE which resulted in severe sloughing of sidewalls and endangerment of utilities and the neighboring street. Additional excavation is not considered feasible because of the presence of shallow groundwater and the high probability of street and utility endangerment. The decision for termination of the overexcavation activities was concurred by Captain Steven McKinley of the Alameda Fire Department.

- * Shallow groundwater quality in the Alameda area is historically of poor quality and is not known to be used for any municipal or private resource. Although there is a possibility that the diesel fuel present in soil may have impacted shallow groundwater, it is highly unlikely that any groundwater remediation would occur in relation to the UST removed from the subject site.

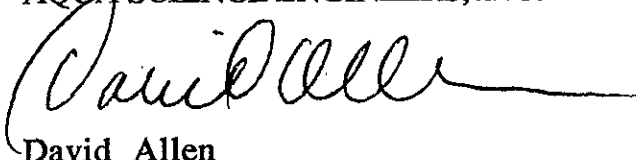
12.0 REPORT LIMITATIONS

The results of this investigation represent conditions at the time and specific location at which soil samples were collected, and for the specific parameters analyzed by the laboratory. It does not fully characterize the site for contamination resulting from sources other than the former UST at the site, or for parameters not analyzed for by the laboratory. All of the laboratory work cited in this report was prepared under the direction of independent CSDHS certified laboratory. The independent laboratory is solely responsible for the contents and conclusions of the chemical analysis data.

ASE appreciates the opportunity to assist with the environmental needs of this property. Should questions or comments arise, please feel free to give us a call at (510) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

A handwritten signature in black ink, appearing to read "David Allen", with a long horizontal flourish extending to the right.

David Allen
Project Manager

Enclosures: Figure 1 - Site Location map
 Figure 2 - Site Plan
 Appendices A - C

cc: Mr. Michael Ghidella, Property Owner
 ACHCSA, Ms. Juliet Shin
 RWQCB, San Francisco Bay Region, Mr. Richard Hiatt

FIGURES



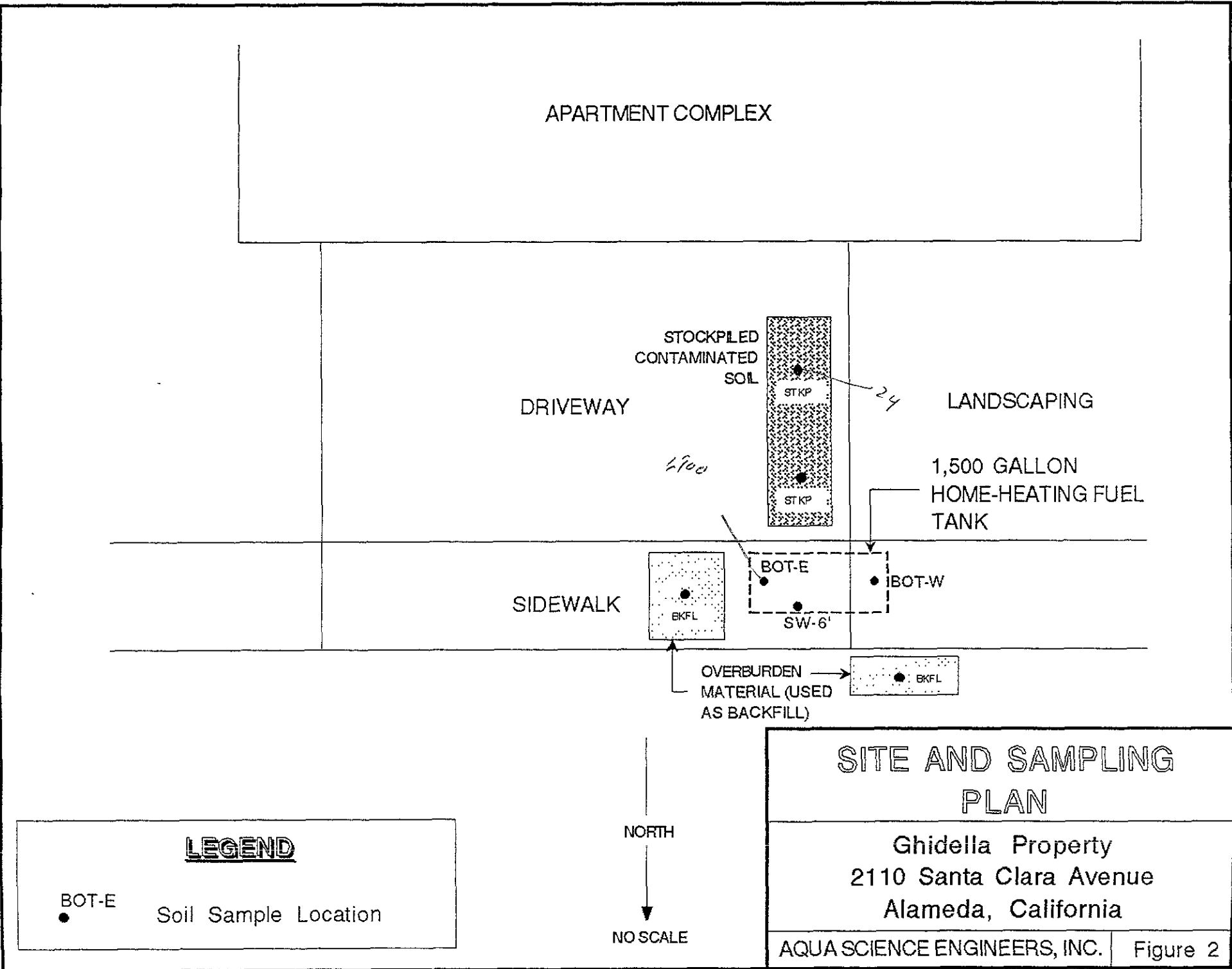
LOCATION MAP

Ghidella Property
 2110 Santa Clara Avenue
 Alameda, California

Aqua Science Engineers

Figure 1

BASE: Oakland East and Oakland West 7.5 minute quadrangle topographic map, dated 1980, scale 1:24,000.



APPENDIX A
LABORATORY ANALYSES
and
CHAIN OF CUSTODY SHEETS



Superior Precision Analytical, Inc.

825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

Aqua Science Engineers, Inc.
Attn: DAVID ALLEN

Project 2750
Reported 05/06/94

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed Matrix
91590- 1	BOT-E	05/03/94	05/05/94 Soil
91590- 2	BOT-W	05/03/94	05/05/94 Soil
91590- 3	BKFL	05/03/94	05/05/94 Soil
91590- 4	STKP	05/03/94	05/05/94 Soil
91590- 5	SW-6'	05/03/94	05/05/94 Soil

RESULTS OF ANALYSIS

Laboratory Number: 91590- 1 91590- 2 91590- 3 91590- 4 91590- 5

Benzene:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
Toluene:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
Ethyl Benzene:	0.013	ND<.005	ND<.005	ND<.005	ND<.005
Total Xylenes:	0.024	ND<.005	ND<.005	ND<.005	ND<.005
Diesel Range:	1900	ND<10	ND<10	24	ND<10
Concentration:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg



Superior Precision Analytical, Inc.

825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

C E R T I F I C A T E O F A N A L Y S I S

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

Page 2 of 2
QA/QC INFORMATION
SET: 91590

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
mg/kg = parts per million (ppm)

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:
Minimum Detection Limit in Soil: 50mg/kg

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Soil: 10mg/kg

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg

EPA SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Soil: 0.005mg/kg

ANALYTE	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Benzene:	89/91	2%	75-125
Toluene:	75/86	14%	75-125
Ethyl Benzene:	86/91	6%	75-125
Total Xylenes:	96/97	1%	75-125
Diesel Range:	88/81	8%	69-136

Asaveh. Sahip
Senior Chemist

71590

★ Need Results by noon Friday 5/6/94

Aqua Science Engineers, Inc.
2411 Old Crow Canyon Road, #4,
San Ramon, CA 94583
(510) 820-9391 - FAX (510) 837-4853

Chain of Custody

DATE 5-3-94 PAGE 1 OF 1

SAMPLERS (SIGNATURE) [Signature]
(PHONE NO.) 820-9391

PROJECT NAME GHIDELLA NO. 2750
ADDRESS 2110 SANTA CLARA AVE., ALAMEDA

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:
3-DAY T.A.T.

SAMPLE ID.	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH-GASOLINE (EPA 5030/8015)	TPH-GASOLINE/BTEX (EPA 5030/8015-8020)	TPH-DIESEL (EPA 3510/8015)	PURGABLE AROMATICS (EPA 602/8220)	PURGABLE HALOCARBONS (EPA 601/8010)	VOLATILE ORGANICS (EPA 624/8240)	BASE/NEUTRALS, ACIDS (EPA 625/8270)	OIL & GREASE (EPA 5520 ERF or B&F)	LUFT METALS (5) (EPA 6010+7000)	TITLE 22 (CAM 17) (EPA 6010+7000)	TCLP (EPA 1311/1310)	STLC-CAM WET (EPA 1311/1310)	REACTIVITY CORROSIIVITY IGITABILITY
BOT-E	5/3/94	13:10	SOIL	1			X	X									
BOT-W	"	13:20	}	1			X	X									
* BKFL	"	14:00		2			X	X									
* STKP	"	14:20		2			X	X									
SW-6'		13:45		1			X	X									

Please Initial:
 Samples Stored in ice. [Signature]
 Appropriate containers [Signature]
 Samples properly sealed [Signature]
 Vials will be properly labeled [Signature]
 Comments: [Signature]

RELINQUISHED BY:
[Signature]
 (signature) (time)
DAVID ALLEN 10:00
 (printed name) (date)
 Company- ASE 5/4/94

RECEIVED BY:
[Signature] 5/4/94
 (signature) (time)
Scott Adams 10:00
 (printed name) (date)
 Company- AERO

RELINQUISHED BY:
[Signature] 5/4/94
 (signature) (time)
Scott Adams 11:15
 (printed name) (date)
 Company- AERO

RECEIVED BY LABORATORY:
[Signature]
 (signature) (time)
K. Carlyon 11:20
 (printed name) (date)
 Company- SPAMT2, 5/4/94

COMMENTS:
 COMPOSITE THE
 2 SAMPLES
 INTO 1 FOR
 SAMPLES *STKP +
 * BKFL.

APPENDIX B

HAZARDOUS WASTE MANIFESTS

92740125
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1K1010107394116	Manifest Document No. 4101/25	2. Page 1 1 of 1	Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address MICHAEL G. HISELL 45750 SAN LUIS RAY AVE. UNIT 158 PALM DESERT CA 92660			State Manifest Document Number 32740125				
4. Generator's Phone (56) 820-9391			State Generator's ID				
5. Transporter 1 Company Name WASTE OIL RECOVERY SYSTEMS		6. US EPA ID Number CA11101010626515		State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		Transporter's Phone 510-533-5922			
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 CA12101010485711			State Facility ID	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers			13. Total Quantity	
a. USED MOTOR FUELS AND H₂O WATER NON RCRA HAZARDOUS LIQUID			No.			14. Unit Wt/Vol	
			Type			Waste Number	
b.						State	
c.					EPA Region		
d.					EPA Region		
15. Special Handling Instructions and Additional Information JOB SITE 2110 SANTA CLARA AVE ALAMEDA 94601 CA			16. HANDLING CODE FOR WASTE LABEL ONLY 01			EPA Region	
15. Special Handling Instructions and Additional Information WEAR PROTECTIVE EQUIPMENT 24 HR EMERGENCY 56-533-0750 ERG # 27							
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 DAVID ALLEN, AGENT FOR GENERATOR		Signature <i>David Allen for ASE, Inc.</i>		Month Day Year 05 03 94			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name JERRY BEN		Signature <i>Jerry Ben</i>		Month Day Year 05 03 94			
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.

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1C10101017131941600594		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 Michael Ghidella 45750 San Luis Rey Ave, Unit 158 Palm Desert, CA 92660				State Manifest Document No. 93158448		State Generator ID			
4. Generator's Phone (510) 820-9391				6. US EPA ID Number CAD982438566		State Transporter ID 423711			
5. Transporter 1 Company Name Dexanna Ltd.				8. US EPA ID Number		State Transporter Phone (510) 627-1231			
7. Transporter 2 Company Name				10. US EPA ID Number		State Facility ID			
9. Designated Facility Name and Site Address Erickson Inc. 355 Parr Blvd. Richmond CA 94801				12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)				a. Waste empty Storage Tank NON-RCRA Hazardous Waste Solid		0101 T P (0/500)		P	
				b.		LD.			
				c.					
				d.					
Additional Descriptions of Materials Used Above				Shipping Codes for Waste Material Above					
15. Special Handling Instructions and Additional Information Keep away from sources of ignition. Always wear hardhats when working with UST's. 24hr Contact: David Allen Telephone: (510) 820-9391 Site Location: 2110 Santa Clara Ave, Alameda CA									
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 DAVID ALLEN, AGENT FOR GENERATOR				Signature [Signature]				Month Day Year 05 03 94	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name L.F. DeKalb				Signature [Signature]				Month Day Year 05 03 94	
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.

APPENDIX C
PERMITS

CITY OF ALAMEDA
 CENTRAL PERMITS OFFICE
 2263 Santa Clara Ave. Room 204
 Alameda, CA 94501

Permit No: B94-0439
 Status: APPROVED

Page 1 of 1
 04/27/94 11:33

JOB ADDRESS : 2110 SANTA CLARA AVE
 PERMIT TYPE : RESIDENTIAL BUILDING PERMIT
 Parcel number : 071 -0235-028-00

Applied : 04/21/94
 Approved : 04/27/94
 Final :
 EXPIRES :
 Class code : 649
 Valuation: 3,000

Owner : GHIDELLA MICHAEL S & MARY C TR
 1370 HANSEN
 ALAMEDA CA 94501

HOURS OF CONSTRUCTION

Applicant : AQUA SCIENCE ENGINEERS, INC. MONDAY - FRIDAY 7 A.M. TO 7 P.M.
 2411 OLD CROW CANYON RD #4 SATURDAY & SUNDAY 8 A.M. TO 5 P.M.
 SAN RAMON, CA 94583
 510 820-9391

[Signature]
 Signature

Project Title : TANK REMOVAL (HOME HEATING)
 Project Desc. : TANK REMOVAL (HOME HEATING FUEL)

CONTRACTOR : AQUA SCIENCE ENGINEERS, INC. Lic. C 487000 510 820-9391
 2411 OLD CROW CANYON RD #4
 SAN RAMON, CA 94583

Fee description	Units	Fee/Unit	Ext fee	Data
Permit Filing Fee			11.40	Y
Building Permit Fee			59.40	Y
Assembly Bill 941			5.00	Y
S.M.I.P50	Y
Fire Dept....(Enter Amount).....	180.00		180.00	
Micro-fiche Fee	7.90		7.90	
*** Fees Required ***				***
			Fees Collected & Credits	***

Account No.	Receipt No.	Date	Payment
001-300-4240-3745	R9401584	04/21/94	11.40
001-300-4220-3340	R9401584	04/21/94	59.40
001-300-4240-3305	R9401584	04/21/94	5.00
001-220-0000-2239	R9401584	04/21/94	.50
310-300-9081-3726	R9401584	04/21/94	180.00
001-300-4240-3792	R9401584	04/21/94	7.90
Fees: 264.20			
Adjustments: .00			
Total Fees: 264.20			
	Total Credits:		.00
	Total Payments:		264.20
	Balance Due:		.00

FOR INSPECTIONS CALL: BUILDING 748-4564 (8:30-10:00 A.M.)
 PLUMBING & MECHANICAL 748-4563 (8:30-10:00 A.M.)
 ELECTRICAL 748-3995 (8:00-10:00 A.M.)
 OR 748-3996 (8:00-10:00 A.M.)

CITY OF ALAMEDA
 ENGINEERING OFFICE
 2263 Santa Clara Ave. Room 207
 Alameda, CA 94501 748-4614

CONCRETE PERMIT

Permit No: C94-0027
 STATUS: APPROVED
 Applied : 04/21/94
 Approved : 04/21/94

JOB ADDRESS : 2110 SANTA CLARA AVE
 Parcel number : 071 -0235-028-00
 OWNER : GHIDELLA MICHAEL S & MARY C TRS
 1370 HANSEN
 ALAMEDA CA 94501

APPLICANT : AQUA SCIENCE ENGINEERS, INC.
 2411 OLD CROW CANYON RD #4
 SAN RAMON, CA 94583
 510 820-9391

HOURS OF CONSTRUCTION

MONDAY - FRIDAY 7 A.M. TO 7 P.M.
 SATURDAY & SUNDAY 8 A.M. TO 5 P.M.

Repair Order # : REMOVE/REPLACE SIDEWALK
 Project Desc. : REMOVE/REPLACE SIDEWALK-TANK REMOVAL
 CONTRACTOR : AQUA SCIENCE ENGINEERS, INC. Lic. C 487000 510 820-9391
 2411 OLD CROW CANYON RD #4
 SAN RAMON, CA 94583

Fee description	Units	Fee/Unit	Ext fee	Data
Filing Fee.....>	11.40		11.40	
AB Fee.....>	5.00		5.00	
SMIP Fee.....>	1	.50	.50	
Concrete Permit Fee.....>	33.70		33.70	
Concrete Permit Deposit.....>	500.00		500.00	
Microfiche Fee	5.70		5.70	
TOTAL			556.30	
*** Fees Required ***				*** Fees Collected & Credits ***

Account No.	Receipt No.	Date	Payment
001-300-4240-3745	R9401585	04/21/94	11.40
001-300-4240-3305	R9401585	04/21/94	5.00
001-220-0000-2239	R9401585	04/21/94	.50
001-300-4210-3370	R9401585	04/21/94	33.70
001-220-0000-2253	R9401585	04/21/94	500.00
001-300-4240-3792	R9401585	04/21/94	5.70
Fees:	556.30		
Adjustments:	.00	Total Credits:	.00
Total Fees:	556.30	Total Payments:	556.30
		Balance Due:	.00

FORMS MUST BE INSPECTED PRIOR TO CONCRETE POUR.
 CALL 748-4614 FOR INSPECTION.

NOTE: ALL CONSTRUCTION WITHIN THE PUBLIC RIGHT OF WAY MUST HAVE BARRICADES WITH FLASHERS FOR NIGHT TIME PROTECTION.
 Contractor's "NAME AND DATE" to be impressed in all concrete work.

THIS IS TO CERTIFY THAT THE ABOVE WORK HAS BEEN COMPLETED TO MY SATISFACTION AND APPROVAL.

Date _____

 INSPECTOR

CALL 748-4614 FOR INSPECTION FOR FORMS AND AFTER COMPLETION.
 INSPECTION MUST BE MADE BEFORE DEPOSIT CAN BE PROCESSED FOR REFUND. REFUNDS TAKE 2-3 WEEKS AFTER FINAL INSPECTION.



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

SITE INFORMATION

SITE ADDRESS <u>2110 SANTA CLARA AVENUE</u>	
CITY, STATE <u>ALAMEDA CA</u>	ZIP <u>94501</u>
OWNER NAME <u>MICHAEL GHIDELLA</u>	
SPECIFIC LOCATION OF PROJECT <u>SIDEWALK</u>	
TANK REMOVAL	CONTAMINATED SOIL EXCAVATION
SCHEDULED STARTUP DATE <u>5-2-94</u>	SCHEDULED STARTUP DATE <u>5-2-94</u>
VAPORS REMOVED BY:	STOCKPILES WILL BE COVERED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
<input checked="" type="checkbox"/> WATER WASH	ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):
<input checked="" type="checkbox"/> VAPOR FREEING (CO ²)	<u>NONE</u>
<input checked="" type="checkbox"/> VENTILATION	(MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME <u>AQUA SCIENCE ENGINEERS</u>	CONTACT <u>DAVID ALLEN</u>
ADDRESS <u>2111 OLD CROW CANYON RD #4</u>	PHONE (510) <u>820-9391</u>
CITY, STATE, ZIP <u>SAN RAMON, CA 94583</u>	

CONSULTANT INFORMATION (IF APPLICABLE)

NAME <u>SAME AS CONTRACTOR</u>	CONTACT _____
ADDRESS _____	PHONE () _____
CITY, STATE, ZIP _____	

FOR OFFICE USE ONLY

DATE RECEIVED FAX <u>4/26/94</u>	BY <u>Blg</u>	(init.)
DATE POSTMARKED _____	BY _____	(init.)
CC: INSPECTOR NO. <u>483</u>	DATE <u>4/27/94</u>	BY <u>Blg</u>
UPDATE: CONTACT NAME _____	DATE _____	BY _____
BAAQMD H # _____	DATA ENTRY <u>4/27/94</u>	(init.)

ACTIVITY NOTIFICATION FORM

Buildings Structures Scaffolding Falsework Demolition Trenches Excavations

Company Name: <u>AQUA SCIENCE ENGINEERS</u>	Field Phone: <u>409-3536</u>
Permit Number: <u>540211</u>	Office Phone: <u>820-9391</u>
Specific Activity Location: <u>2110 SANTA CLARA AVENUE</u>	Number of Employees: <u>3</u>
Nearest Major Cross Street: <u>PARK STREET</u>	Starting Date: <u>5-2-94</u>
City: <u>ALAMEDA</u>	Anticipated Completion Date: <u>5-2-94</u>
County: <u>ALAMEDA</u>	High Voltage Lines in Proximity? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>

INSTRUCTIONS: The appropriate item(s) must be completed and signed by a person knowledgeable about the project for each activity covered by a permit. Please fill in or check off the blanks where appropriate.

Construction of: Building _____ Structure _____ Type: Steel Frame _____ Tiered _____ Concrete _____
Tilt-up _____ Wood Frame _____ Liftslab _____ Precast _____ Slip Form _____ Depth _____ No. of Stories _____
Description: _____

(See 8 CCR 1709-30: Appendix A Plate A-2-a & b.)

Scaffolding: Height _____ Metal _____ Wood _____ Wood over 60 Feet _____ Metal over 125 Feet _____
*Metal > 125 Feet or Wood > 60 Feet requires design by California Registered Civil Engineer & Plans at Site. (See 8 CCR 1644(c)(7))
Description: _____

Falsework/Vertical Shoring: Maximum Height _____ Maximum Span _____ Material _____
Description: _____

(See 8 CCR 1717)

Demolition of: Building _____ Structure _____ Height _____ No of Stories _____ Type: Steel Frame _____
Wood Frame _____ Concrete _____ Demolition Ball _____ Clam _____ Explosives _____
Loader/Tractors _____ Other _____
(See 8 CCR 1734-37)

Trenches/Excavation: Depth Range (Min/Max)* 6/8 Width Range (Min/Max) 4/6 Total Length 8
Ground Protection Method: Shoring _____ Sloping Trench Shield _____ Professional Engineer _____
Underground Services Alert (USA) Number 125645 (NORTH 1-800-642-2444/SOUTH 1-800-422-4133)
Soil Analysis to be done? Yes _____ No If No, You Must Slope 1.5 to 1.
Description: UNDERGROUND STORAGE TANK REMOVAL

(See 8 CCR 1504, 1540-1547)

* Ground protection methods for excavations deeper than 20 feet must be designed by a Registered Professional Engineer. See 8 CCR 1541.1, Appendix F.