

**NEWELL, CAMPBELL & ROCHÉ LLP**  
LAWYERS  
BILTMORE COURT  
520 SOUTH GRAND AVENUE, SUITE 390  
LOS ANGELES, CALIFORNIA 90071-2600  
(213) 622-9444  
FAX (213) 622-3634  
www.ncrlaw.com

November 27, 2007

**VIA FEDERAL EXPRESS**

Linda Ketellapper, SFD-7-5  
United States Environmental Protection Agency, Region IX  
75 Hawthorne Street  
San Francisco, CA 94105

**Re: *Omega Superfund Site/Supplemental Production of Documents of Respondent, Air Liquide America L.P.***

Dear Ms. Ketellapper:

Pursuant to Instruction 6 ("Continuing Obligation") of EPA's 104(e) Request for Information (Omega Superfund Site) to Air Liquide America L.P., I have enclosed a supplemental production of documents.

Documents bearing Bates identification "Dice 01780" through "Dice 01867" are responsive to Request No. 10. Documents bearing Bates identification "Dice 01868" through "Dice 02054" make up the Witco Phase I & II Site Assessment Reports identified at Response 2, subdivision 2 d, and also identified in footnote 1.

If you have questions, please call me.

Very truly yours,

  
STEPHEN G. MASON

SGM:lam

cc: Stephen D. Berninger, Regional Counsel  
Stephanie K. Payne, Esq.



# Whitaker Concrete Corp.

P.O. BOX 275, LYNWOOD, CA 90262 • (213) 639-1904

October 13, 1988

George DeVries  
4520 E. Slauson Ave.  
Maywood, Ca. 90270

Re: Liquid Air  
8632 Dice Rd.  
Santa Fe Springs

Dear Mr. DeVries:

Liquid Air has requested the permanent closure of 2-7,500 diesel, 1-6,200 gallon acetone, and 1-1000 wasteoil steel tanks. The decision was based on the possibility of future tank leakage that could cause a contamination of the soil.

The necessary tank removal permits were obtained by an agent of Whitaker Concrete Corp. and signed by the proper regulatory agency. The tanks were rendered inert and removed from the site on September 21, 1988. The tanks were flushed three times and cooled with dry ice. Excavation and removal was performed by agents of WCC and observed by inspectors from the applicable regulatory agencies.

Upon removal of the tank, seven soil samples were taken from approximately two feet below the removed tanks. The samples were stored in ice and transported to Certified Testing Lab. Inc. for analysis. Chain-of Custody records were maintained to insure its traceability.

The soil samples were tested for Total Petroleum Hydrocarbons (TPH) using EPA method 418.1. Laboratory test results are attached.

The test results (see laboratory results) indicate the soil to be clear of contaminates.

Respectfully Submitted,

Sid Whitaker  
Project Manager

Plate 3

"WE SAW YOU FIRST"

DICE 01780



# certified testing laboratories, inc.

205 EAST CENTURY BLVD. • SOUTH GATE, CALIF. 90280 • (213) 564-2841

LABORATORY NO 3922 REPORTED 09-29-88  
CLIENT Whitaker Concrete Corporation  
P.O. Box 275  
Lynwood, CA 90262  
Attn: Sid Whitaker  
SAMPLED  
REPORTED 09-21-88

SAMPLE Soil  
MARKS Liquid Air Corp. 9/21/88  
Location Description: 2 ft under tank

BASED ON SAMPLE As received

RESULTS	Total Recoverable Petroleum Hydrocarbons EPA 418.1, mg/Kg	Detection Limit, mg/Kg
SP-1 2:30	ND	5
SP-2 2:30	ND	5
SP-3 3:00	95	5
SP-4 3:00	ND	5
SP-5 1:00	ND	5

Attachment: Chain of custody

Respectfully submitted,  
CERTIFIED TESTING LABORATORIES, INC.

*Stuart E. Salor*  
Stuart E. Salor, Ph.D.  
Laboratory Director

DICE 01781

Plate 4  
(1 of 2)

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.



certified testing laboratories, inc.

105 EAST CENTURY BLVD. • SOUTH GATE, CALIF. 90280 • (213) 564-2641

LABORATORY NO. 4023 REPORTED 10-09-88  
CLIENT Whitaker Concrete Corp. SAMPLED  
P.O. Box 275  
Lynwood, CA 90262 RECEIVED 09-29-88  
Attn: Syd Whitaker

SAMPLE Soil  
MARKS Project name: Liquid Air - Santa Fe Springs 9/29/88

BASED ON SAMPLE As received

RESULTS Sample ID Total Recoverable Petroleum Hydrocarbons  
Method 418.1, mg/Kg

*SP-1A*  
~~SP-1~~ West 4 feet 805  
~~SP-2~~ East 4 feet 6,930  
*SP-2A*

Attachment: Chain of Custody

Note: Samples relabeled to correspond to Plate 2

Respectfully submitted,  
CERTIFIED TESTING LABORATORIES, INC.

*Stuart E. Salot*  
Stuart E. Salot, Ph.D.  
Laboratory Director

DICE 01782

Plate 4  
(2 of 2)

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.



**CERTIFIED TESTING LABORATORIES, INC.**

2905 E. CENTURY BLVD. • SOUTH GATE, CA 90280 • 213/564-2641

- SAN DIEGO
- HARBOR CITY
- BAKERSFIELD
- SOUTH GATE
- MOBILE LAB

**CHAIN OF CUSTODY RECORD**

Date: 9-21-88 Page 1 of 1

CLIENT WHITAKER CONCRETE Corp.

ADDRESS 639-1904 (S.D)

PROJECT MANAGER Sid Whitaker

PHONE NUMBER \_\_\_\_\_

PROJECT NAME LIQUID AIR Corp

SAMPLERS: (Signature) Sid Whitaker

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE			NO. OF CONTAINERS	TESTS REQUIRED
				WATER		AIR		
				Comp.	Grab.			
1	2 FT UNDER TANK	9-21-88	2:30				1	418.1
2	2 FT UNDER TANK	11	2:30				1	418.1
3	2 FT UNDER TANK	11	3:00				1	418.1
4	2 FT UNDER TANK	11	3:00				1	418.1
5	2 FT UNDER TANK	11	1:00				1	418.0

Relinquished by: (Signature) \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_

Dispatched by: (Signature) \_\_\_\_\_

Received by: (Signature) \_\_\_\_\_

Received by: (Signature) \_\_\_\_\_

Received by Mobile Laboratory for field analysis: (Signature) \_\_\_\_\_

Date/Time \_\_\_\_\_

Received for Laboratory by: \_\_\_\_\_

CTL will store sample for 30 days at no charge. Storage after 30 days is charged at \$10 per month per sample. Disposal requires special arrangement. Indicate the disposition of your sample.

1. Client retrieved \_\_\_\_\_ by \_\_\_\_\_

2. Lab Disposal \_\_\_\_\_ by \_\_\_\_\_

3. Store for \_\_\_\_\_ days, by \_\_\_\_\_

4. Other \_\_\_\_\_ by \_\_\_\_\_

Date/Time \_\_\_\_\_

Date/Time \_\_\_\_\_

Date/Time \_\_\_\_\_

Date/Time \_\_\_\_\_

Method of Shipment: IN A CHEST

Special Instructions: \_\_\_\_\_

I hereby authorize the performance of the above indicated work.

Sid Whitaker

P.15  
 Oct 10 2007 12:44  
 AIR LIQUIDE AMERICA LP Fax:15626931156

Plate 5  
 (1 of 2)

DICE 01783

SOURCE: Adapted from U.S. EPA, 1983

DISTRIBUTION: White with report, Yellow to CTL, Pink to Courier, Gold to Sample Control



**CERTIFIED TESTING LABORATORIES, INC.**  
2905 E. CENTURY BLVD. • SOUTH GATE, CA 90280 • 213/564-2647

- SAN DIEGO
- HARBOR CITY
- BAKERSFIELD
- SOUTH GATE
- MOBILE LAB

CHAIN OF CUSTODY RECORD

Date 9-29- Page 1 of 1

CLIENT Whitaker Concrete Corp.

ADDRESS \_\_\_\_\_

PROJECT MANAGER Sid Whitaker

PHONE NUMBER 639-1904

PROJECT NAME Fig. Air - Santa Fe Springs

SAMPLERS: (Signature) Sid Whitaker

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE			NO. OF CONTAINERS	TESTS REQUIRED
				WATER		AIR		
				Comp.	Grab.			
<u>1</u>	<u>SP-1 West 4ft</u>	<u>9-29-88</u>				<u>1</u>	<u>418.1</u>	
<u>2</u>	<u>SP-2 East 4ft</u>	<u>9-29-88</u>				<u>1</u>	<u>418.1</u>	

Samples received on TCS

Relinquished by: (Signature) _____	Received by: (Signature) _____	CTL will store sample for 30 days at no charge. Storage after 30 days is charged at \$10 per month per sample. Disposal requires special arrangement. Indicate the disposition of your sample. 1. Client retrieval _____ by _____ 2. Lab Disposal _____ by _____ 3. Store for _____ days. by _____ 4. Other _____ by _____	Date/Time _____
Relinquished by: (Signature) _____	Received by: (Signature) _____		Date/Time _____
Relinquished by: (Signature) _____	Received by Mobile Laboratory for field analysis: (Signature) _____		Date/Time _____
Relinquished by: (Signature) _____	Received by: (Signature) _____		Date/Time _____

DICE 01784

Dispatched by: (Signature) \_\_\_\_\_ Date/Time \_\_\_\_\_ Received for Laboratory by: Naomi Humphrey Date/Time 9-29 5:01 PM

Method of Shipment: FCR chest

Special Instructions: \_\_\_\_\_

I hereby authorize the performance of the above indicated work.  
[Signature]

AIR LIQUIDE AMERICA LP Fax:15626931156 Plate 5 (2 of 2) Oct 10 2007 12:44 P.16

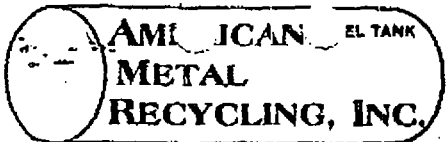
IN CASE OF AN EMERGENCY, UT 3146, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9302 WITHIN CALIFORNIA CALL 1-800-852-7500

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. C1A1C10101010141171017		2. Page 1 of 1		3. Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Liquid Air Corporation 8832 Dice Rd. Santa Fe Springs, Ca. 90670				A. State Manifest Document Number <b>87848662</b>			
4. Generator's Phone (213) 945-1383				B. State Generator's ID			
5. Transporter 1 Company Name Roadwest Oil & Vacuum Co., Inc.		6. US EPA ID Number IC1A1T0181010121917170		C. State Transporter's ID <b>800098</b>		D. Transporter's Phone 213/693-9881	
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 DeMunno/Kerdoon 2000 N. Alameda Street Compton, Ca. 90222				10. US EPA ID Number IC1A1T0181010113131512		G. State Facility's ID C1A1T0181010113131512	
				H. Facility's Phone 213/537-7100			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers	13. Total Quantity	14. Unit	15. Waste No.		
a. Waste Flammable Liquid, N.O.S. UN 1993		No. Type 01011TIT	1/81010 G		State 213	EPA/Other NONE	
b. DOT-E 8832					State	EPA/Other	
c.					State	EPA/Other	
d.					State	EPA/Other	
J. Additional Descriptions for Materials Listed Above 5% GAS 10ml 95% H <sub>2</sub>				K. Handling Codes for Wastes Listed Above a. 01			
16. Special Handling Instructions and Additional Information  Gloves + GOGGLES							
18. 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 <b>STEPHEN KING</b>				Signature <i>Stephen King</i>		Month Day Year 09/21/88	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name <b>TIM REES</b>		Signature <i>Tim Rees</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space				DICE 01785			
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	

DHS 8022 A (11/87)  
 EPA 8700-22  
 (Rev. 9-88) Previous editions are obsolete.

YELLOW: GENERATOR RETAINS

INSTRUCTIONS ON THE BACK  
 Plate 6  
 (1 of 3)



2202 South Milliken Avenue  
 Ontario, CA 91761  
 (714) 947-2888

No. **28384**

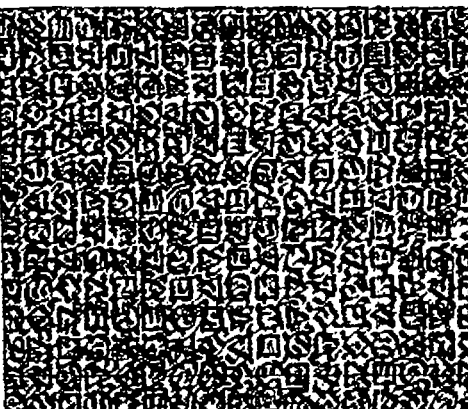
**TANK DISPOSAL FORM**

Date: 9-15-1988  
 Job # \_\_\_\_\_  
 P.O. # \_\_\_\_\_

CONTRACTOR: WILTAKER CONCRETE  
 ADDRESS: PO Box 275 LYWOOD CA 94212  
 JOB SITE: LIQUID AIR CORP  
 ADDRESS: 8832 DICE RD SANTA FE SPRINGS CA  
 DESTINATION: A.M.R. 2202 S. Milliken Ave., Ontario, CA 91761

DATE: 7-21-88 TIME: 1:00 PROJECTED TANKS: 2-7500 1-6000 1-1000 ORDERED BY: \_\_\_\_\_ LIC. NO. \_\_\_\_\_

SPECIAL INSTRUCTIONS: 2 TRUCKS  
 TIME IN: 1:00  
 TIME OUT: 2:00



QTY.	TANKS RECEIVED GALLONS	TYPE F-S*	NET TONS	TOTAL
_____	280	<input type="checkbox"/> <input type="checkbox"/>	.14	
_____	500	<input type="checkbox"/> <input type="checkbox"/>	.21	
_____	550	<input type="checkbox"/> <input type="checkbox"/>	.24	
_____	1000 - 12 ft.	<input type="checkbox"/> <input type="checkbox"/>	.44	
<u>✓</u>	1000 - 8 ft.	<input type="checkbox"/> <input type="checkbox"/>	.61	
_____	1500	<input type="checkbox"/> <input checked="" type="checkbox"/>	.87	.87
_____	2000	<input type="checkbox"/> <input type="checkbox"/>	.97	
_____	2500	<input type="checkbox"/> <input type="checkbox"/>	1.14	
_____	3000	<input type="checkbox"/> <input type="checkbox"/>	1.32	
_____	4000	<input type="checkbox"/> <input type="checkbox"/>	1.64	
<u>✓</u>	5000	<input type="checkbox"/> <input checked="" type="checkbox"/>	2.42	2.42
_____	6000	<input type="checkbox"/> <input type="checkbox"/>	2.84	
_____	7500	<input type="checkbox"/> <input type="checkbox"/>	3.26	
_____	8000	<input type="checkbox"/> <input type="checkbox"/>	3.44	
_____	9000	<input type="checkbox"/> <input type="checkbox"/>	3.82	
_____	10000	<input type="checkbox"/> <input type="checkbox"/>	4.33	
_____	12000	<input type="checkbox"/> <input type="checkbox"/>	4.83	

All fees incurred are per load unless specified.  
 Terms are net 30 days from date of invoice.  
 Contractor's signature represents acceptance  
 of terms for payment, and confirms that tank  
 removal complies with State laws.

Stephen King  
 CONTRACTOR'S SIGNATURE

NO. OF TANKS: 2 TOTAL NET TONS: 3.29  
 \*F - FIBERGLASS \*S - STEEL 105

**CERTIFICATE OF TANK DISPOSAL / DESTRUCTION**  
 THIS IS TO CERTIFY THE RECEIPT AND ACCEPTANCE OF THE TANK(S) AS SPECIFIED ABOVE. ALL MATERIALS SPECIFIED  
 HAVE BEEN COMPLETELY DESTROYED FOR SCRAP PURPOSES ONLY.

M. [Signature]  
 AUTHORIZED REP.

9-21-88  
 DATE

GENERATOR COPY

DICE 01786

Plate 6  
 (2 of 3)





2202 South Milliken Avenue  
 Ontario, CA 91761  
 (714) 947-2888

No. 28383

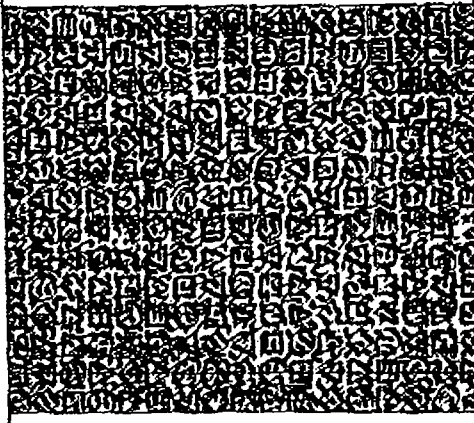
**TANK DISPOSAL FORM**

Date: 9-15-1988  
 Job # \_\_\_\_\_  
 P.O. # \_\_\_\_\_

CONTRACTOR: WHITAKER COMPANY  
 ADDRESS: PO Box 275 LYNWOOD CA 90262  
 JOB SITE: LIQUID AIR CORP  
 ADDRESS: 822 DICE RD SANTA FE SPRINGS CA  
 DESTINATION: A.M.R. 2202 S. Milliken Ave., Ontario, CA 91761

DATE: 9-21-88 TIME: 1:00 PROJECTED TANKS: 2-2500 1-1000 1-1000 ORDERED BY: \_\_\_\_\_ LIC. NO. 83

SPECIAL INSTRUCTIONS: 2 tanks  
 TIME IN: 1:00  
 TIME OUT: 3:30  
TWO HOUS 30 MIN LEAVING TIME 7:15



QTY.	TANKS RECEIVED		NET TONS	TOTAL
	GALLONS	TYPE F* S*		
_____	280	<input type="checkbox"/> <input type="checkbox"/>	.14	
_____	500	<input type="checkbox"/> <input type="checkbox"/>	.21	
_____	550	<input type="checkbox"/> <input type="checkbox"/>	.24	
_____	1000 - 12 ft.	<input type="checkbox"/> <input type="checkbox"/>	.44	
_____	1000 - 6 ft.	<input type="checkbox"/> <input type="checkbox"/>	.61	
_____	1500	<input type="checkbox"/> <input type="checkbox"/>	.87	
_____	2000	<input type="checkbox"/> <input type="checkbox"/>	.97	
_____	2500	<input type="checkbox"/> <input type="checkbox"/>	1.14	
_____	3000	<input type="checkbox"/> <input type="checkbox"/>	1.32	
_____	4000	<input type="checkbox"/> <input type="checkbox"/>	1.64	
_____	5000	<input type="checkbox"/> <input type="checkbox"/>	2.42	
_____	6000	<input type="checkbox"/> <input type="checkbox"/>	2.84	
<u>2</u>	7500	<input checked="" type="checkbox"/> <input type="checkbox"/>	3.26	<u>6.52</u>
_____	8000	<input type="checkbox"/> <input type="checkbox"/>	3.44	
_____	9000	<input type="checkbox"/> <input type="checkbox"/>	3.92	
_____	10000	<input type="checkbox"/> <input type="checkbox"/>	4.33	
_____	12000	<input type="checkbox"/> <input type="checkbox"/>	4.93	

All fees incurred are per load unless specified.  
 Terms are net 30 days from date of invoice.  
 Contractor's signature represents acceptance of terms for payment, and confirms that tank removal complies with State laws.

[Signature]  
 CONTRACTOR'S SIGNATURE

NO. OF TANKS: 2 TOTAL NET TONS: 6.52  
 \*F - FIBERGLASS  STEEL 105

**CERTIFICATE OF TANK DISPOSAL / DESTRUCTION**  
 THIS IS TO CERTIFY THE RECEIPT AND ACCEPTANCE OF THE TANK(S) AS SPECIFIED ABOVE. ALL MATERIALS SPECIFIED HAVE BEEN COMPLETELY DESTROYED FOR SCRAP PURPOSES ONLY.

[Signature]  
 AUTHORIZED REA

9-21-88  
 DATE

GENERATOR COPY

DICE 01787

Plate 6  
 (3 of 3)



COPY

So. California Field Office, 1666 Newport Blvd., #116, Costa Mesa, CA 92626  
Tel 714-675-5754 • Fax 714-675-5943

December 5, 1988

PROJECT REPORT

SITE ASSESSMENT FOR DIESEL CONTAMINATION OF SOIL AT:

LIQUID AIR CORPORATION  
8832 DICE ROAD  
SANTA FE SPRINGS, CA

Prepared For:

Liquid Air Corporation  
8832 Dice Road  
Santa Fe Springs, Ca

Submitted By:

Aqua Science Engineers  
1666 Newport Blvd. #166  
Costa Mesa, CA 92926

DICE 01788

Aqua Science Engineers Inc., P.O. Box 535, San Ramon, CA 94583 • 415-820-9391

So. California Field Office, 1666 Newport Blvd., #116, Costa Mesa, CA 92626  
Tel 714-675-5754 • Fax 714-675-5943

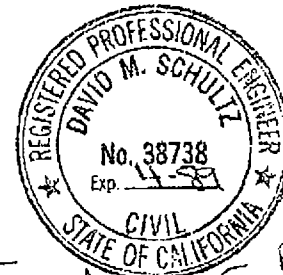
December 5, 1988

**PROJECT REPORT**

**SITE ASSESSMENT FOR DIESEL CONTAMINATION OF SOIL AT:**

**LIQUID AIR CORPORATION  
8832 DICE ROAD  
SANTA FE SPRINGS, CA**

For Aqua Science Engineers, Inc.:



*David M. Schultz*

*Michael Marella*  
Michael Marella  
Geological Operations

David M. Schultz  
Vice President  
Field Operations

DICE 01789

Aqua Science Engineers Inc., P.O. Box 535, San Ramon, CA 94583 • 415-820-9391

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
Executive Summary.....	1
Investigative Methods.....	2
-Drilling	
-Soil Sampling	
-Chemical Analysis	
Results of the Investigation.....	2
-Geology and Hydrogeology	
-Chemical Analysis	
Conclusions.....	3
Table I: Table of Soil Sample Analysis.....	4
Figure 1: Site Plan.....	5
Figures 2 and 3: Soil Boring Logs.....	6
Appendix I: Chain of Custody Document.....	11
Appendix II: Laboratory Analysis Sheets.....	12
Appendix III: Soil Classification System.....	14

## EXECUTIVE SUMMARY

The following is a report on the methods and findings of a site contamination assessment project conducted by Aqua Science Engineers at Liquid Air Corporation, Santa Fe Springs, California. This project is in response to hydrocarbon contamination discovered during the tank closure project conducted on September 21, 1987.

Chemical analysis of soil samples from the tank removal project indicated 805 ppm and 6,930 ppm total petroleum hydrocarbons (TPH) in soil samples collected from beneath two diesel fuel product dispensers (see George DeVrees tank closure report dated November 2, 1988). The soil samples were collected at approximately four feet below the dispensers. Soil samples collected from beneath the diesel fuel tanks indicated non-detectable levels of TPH.

On November 18, 1988 Aqua Science collected soil samples at 5, 10, 15, 20, 30 and 40 feet from each of two soils borings drilled directly adjacent to the locations of two product dispensers (Figure 1). The purpose of the bore holes were to collect soil samples to determine the extent of the hydrocarbon contamination discovered during the tank closure project. Groundwater was not encountered during drilling.

Logs of the well cuttings show that the native soils are primarily composed of silt, clayey-sandy silt, and well graded sand. The nearest LACFCD test well to the site is well #1623L which is located approximately 0.75-miles northeast of the site. The depth to groundwater from the surface, as measured in November 1987, was 58.2 feet below the ground surface. Local groundwater movement in the area is most probably southwest.

Chemical analyses of the soil samples conducted by West Coast Analytical Services, Santa Fe Springs, California, indicate 13 ppm TPH in the five-foot sample from boring #2. The laboratory analysis of the remaining samples from this boring, and from boring #1, indicate non-detectable levels of TPH by EPA method 418.1.

DICE 01791

## INVESTIGATIVE METHODS

### DRILLING

The soils borings were drilled with a CME-75 truck mounted hydraulic rotary drill. Eight-inch O.D. hollow-stem continuous flight auger was used for all of the borings. A total of two borings were drilled to 40 feet below the ground surface. Locations of the borings are shown in Figure 1.

Soil samples were collected in each boring at 5, 10, 15, 20, 30 and 40 feet below the ground surface. The borings were backfilled with clean native soil after soil sample collection. Logs of the drill cuttings are shown on Figures 2 and 3.

### SOIL SAMPLING

Soil samples were taken in the borings using a California split spoon sampler on November 18, 1988. The California split spoon sampler was steam cleaned before sampling and all drilling equipment was decontaminated by steam cleaning prior to drilling. The sampler was washed with a TSP and water solution between samplings.

The soil samples were collected in pre-cleaned, 2-inch by 4-inch aluminum liner tubes. The tube ends were secured with double-thickness aluminum foil and plastic end caps. The samples were placed in an ice chest with ice, and transported to West Coast Analytical Services (WCAS) in Santa Fe Springs, Ca for chemical analysis. A Chain-of-Custody form accompanied the samples to the laboratory (Appendix I).

### CHEMICAL ANALYSIS

WCAS conducted the chemical analysis of the soils samples using the EPA methods shown in Table I. The soil samples were analyzed for total petroleum hydrocarbons (diesel) using modified EPA method 418.1. Values are given in ug/g (parts per million). Laboratory data sheets provided by WCAS are given in Appendix II.

## RESULTS OF THE INVESTIGATION

### GEOLOGY AND HYDROGEOLOGY

The bore hole locations are shown on Figure 1. An examination of the bore hole logs show that the soils to 40 feet beneath the site consist of the following: silt, clayey-sandy silt and well graded sand. The soil types encountered were classified using the Unified Soil Classification System (Appendix III).

The nearest LACFCD test well to the site is well number 1623L. The well is located approximately 0.75 miles to the northeast of the site.

DICE 01792

The last groundwater measurement was conducted in November 1987. The depth to groundwater on that date was 58.2 feet below the ground surface.

An accurate determination of groundwater flow direction is beyond the scope of this project. However, the estimated direction of flow is southeast.

#### CHEMICAL ANALYSIS

The chemical analyses provided by WCAS of the soil samples from bore hole #2 indicate total petroleum hydrocarbon contamination ranging to 13 ppm in the five-foot sample. The analyses of the remaining samples from this boring were below detectable levels for EPA method 418.1; below 10 ppm. The chemical analyses of the soil samples from boring #1 indicated non-detectable levels of TPH for all samples. A summary of the laboratory data is given in Table I. The laboratory report provided by WCAS appears in Appendix II.

#### CONCLUSIONS

Elevated hydrocarbon concentrations were discovered in soil samples collected from beneath the two diesel product dispensers at this site. These samples were collected during the tank removal project conducted on September 21, 1988. The locations of the soil borings conducted for this project are located within five feet of the diesel product dispensers. If a significant amount of product leaked into soil at the dispensers, significant levels of soil contamination should have been indicated in the soils boring samples. However, only trace levels of TPH (13 ppm) were discovered in the five-foot sample from boring #2 (sample B2-5').

Bases on these results, significant levels of diesel contamination (if present) appear to be vertically and laterally restricted to small volumes of soil directly beneath the product dispensers. The total amount of effected soil is unknown. However, the total volume of soil containing TPH contamination above the 100 ppm action level established by Los Angeles County is expected to be small.

The suspect soil is presently located under a six-inch concrete pad which covers the entire site. Since the source of diesel contamination has been removed (product dispensers), potential vertical migration of the long-chain diesel hydrocarbons present in the soil is expected to be very limited. The potential impact of the contamination on land or groundwater use is expected to be insignificant. It is the opinion of Aqua Science Engineers that no further assessment or remediation work be required along these lines.

The results of this investigation represent conditions at the time and location at which samples were collected and for the parameters analyzed in the laboratory. It does not fully characterize the site for contamination resulting from other sources or parameters not analyzed. This report is subject to review by governing regulatory agencies.

DICE 01793

TABLE I

Chemical Constituents	EPA Method Used in Analysis
Total Petroleum Hydrocarbons	418.1

Boring Number	Sample Designation	TPH Conc.
B-1	B1-5'	ND
	B1-10'	ND
	B1-15'	ND
	B1-20'	ND
	B1-30'	ND
	B1-40'	ND
B-2	B2-5'	13
	B2-10'	ND
	B2-15'	ND
	B2-20'	ND
	B2-30'	ND
	B2-40'	ND

\* Detection level for EPA method 481.1 is 10 ug/g (ppm) (LUFT manual, May 1988)

DICE 01794



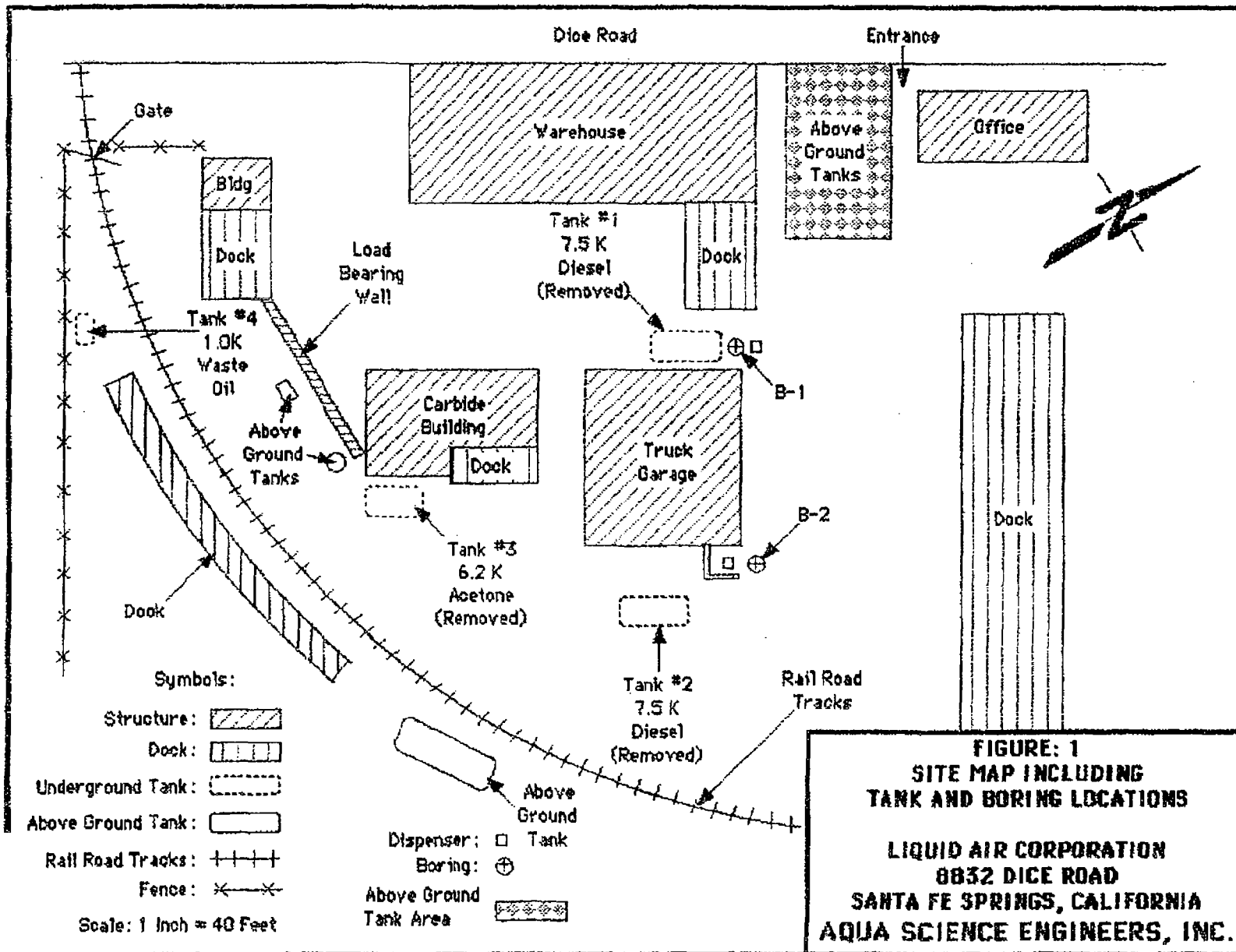
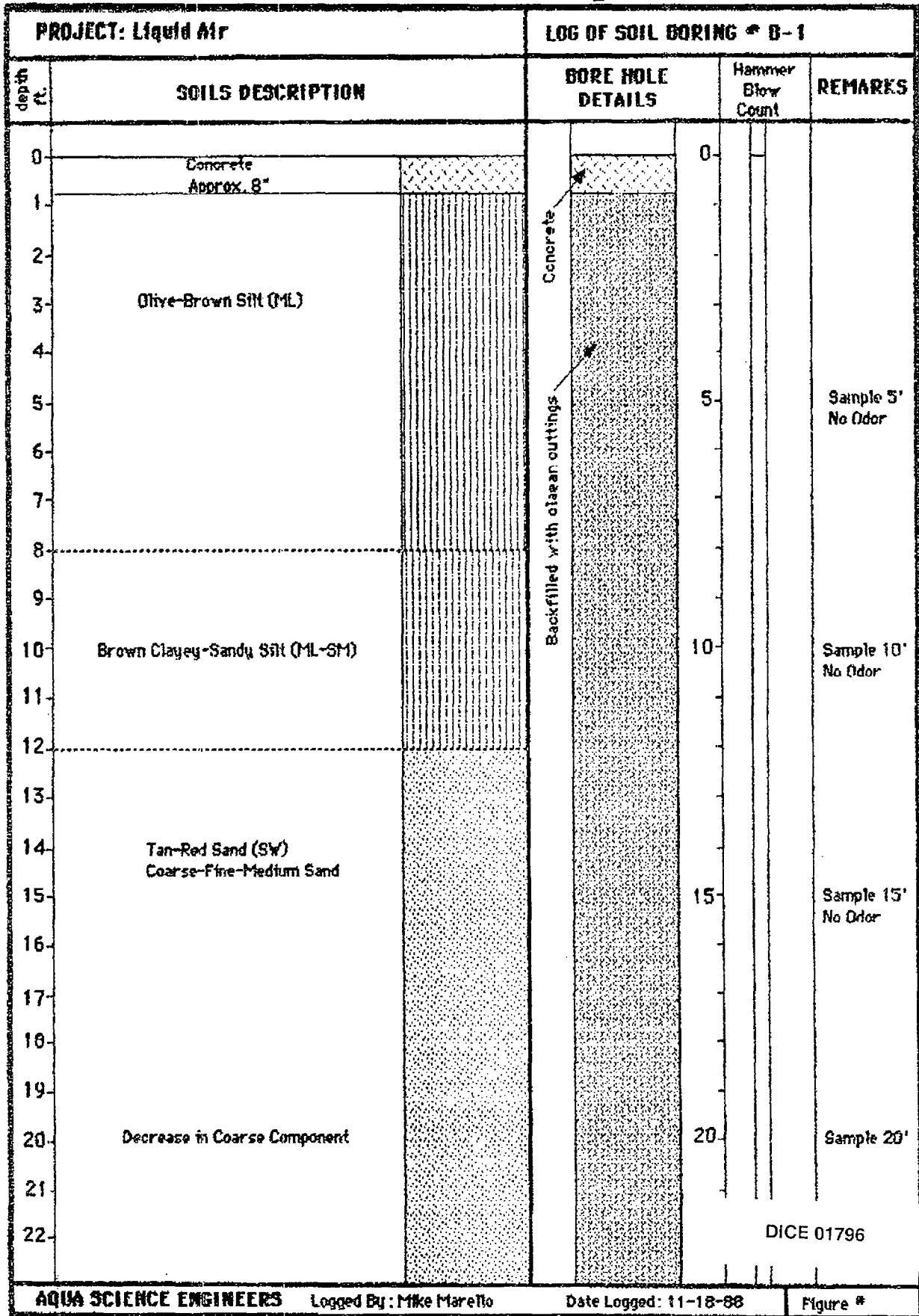


Figure 1

Figure 2



AQUA SCIENCE ENGINEERS

Logged By: Mike Marella

Date Logged: 11-18-88

Figure #

Figure 2

PROJECT: Liquid Air		LOG OF SOIL BORING # D-1			
depth ft.	SOILS DESCRIPTION	BORE HOLE DETAILS	Hammer Blow Count	REMARKS	
23	Tan-Red Sand (SW) Coarse-Fine-Medium Sand		23		
24					
25	Pale-Olive Silt (ML)				
26					
27					
28			28		
29					
30					Sample 30' No Odor
31					
32					
33				33	
34					
35					
36					
37					
38				38	
39					
40	E.O.H.			Sample 40' No Odor	
41					
42					
43			43		
44					
45					

DICE 01797

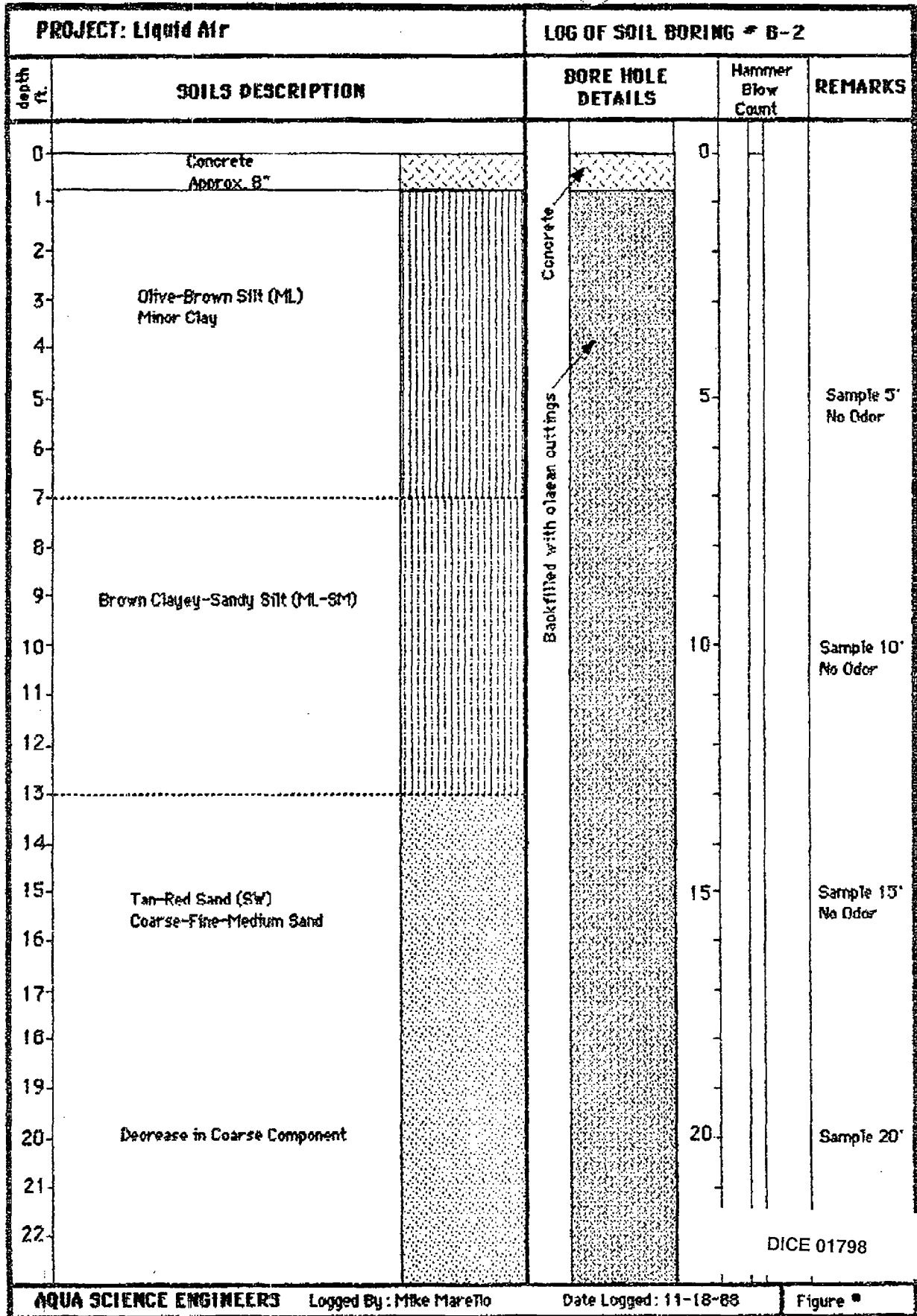
AQUA SCIENCE ENGINEERS

Logged By: Mike Marella

Date Logged: 11-18-88

Figure #

Figure 3



DICE 01798

AQUA SCIENCE ENGINEERS

Logged By: Mike Marella

Date Logged: 11-18-88

Figure #

Figure 3

PROJECT: Liquid Air		LOG OF SOIL BORING # B-2				
DEPTH feet	SOILS DESCRIPTION	BORE HOLE DETAILS		Hammer Blow Count	REMARKS	
23	Tan-Red Sand (SW) Coarse-Fine-Medium Sand			23		
24						
25	Pale-Olive Silt (ML)					
26						
27						
28				28		
29						
30						Sample 30' No Odor
31						
32						
33				33		
34						
35						
36						
37	Pale-Olive-Tan Silt (ML)					
38				38		
39						
40						Sample 40' No Odor
41	E.O.H.					
42						
43				43		
44						
45					DICE 01799	

AQUA SCIENCE ENGINEERS

Logged By: Mike Marella

Date Logged: 11-18-88

Figure #

LA0148

P. 32

P.O. Box 575, San Ramon, CA 94583-0575



(415) 820-9391

Oct 10 2007 12:47

Project Name: Liquid Air Site: Santa Fe Springs Date: 11-18-88 Laboratory: WCAS

Sample ID	Sample/Container Type	Analyze/ Hold	Analyze For:	Method - Detection Limit	Notes/Remarks
31-5'	soil/al tube	A	418-1		
1-10'					
1-15'					
1-20'					
1-30'					
1-40'					
2-5'					
2-10'					
2-15'					
2-20'					
2-30'					
2-40'					

S = Soil W = Water O = Other  
 G = Glass BT = Brass Tube P = Plastic V = Vial C = Other

Chain of Custody

1. Sampled by: Michael Morello 2. Received by Lab: M. G. ...  
 3. Date: 11-18-88 Time: 1250  
 4. Received in Office: Date: \_\_\_\_\_

- = Collate all samples for single analysis.
- = Collate and analyze two top samples and if clean, do not analyze other sample.
- = Call ASE for instructions.
- = See attached protocol.

AIR LIQUIDE AMERICA LP Fax: 15626931156

DICE 01800

#11357

Appendix I

November 28, 1988

AQUA SCIENCE ENGINEERS  
414 31st Street, #A  
Newport Beach, CA 92663

Attn: Mike Mareello

JOB NO. 11357

**WCAS**

**WEST COAST  
ANALYTICAL  
SERVICE, INC.**

ANALYTICAL CHEMISTS

A

LABORATORY REPORT

Samples Received: Twelve (12) soils  
Date Received: 11-18-88  
Purchase Order No: LA 0148/Liquid Air

The samples were analyzed as follows:

<u>Samples Analyzed</u>	<u>Analysis</u>	<u>Results</u>
Twelve (12) soils	Total Petroleum Hydrocarbons by EPA 418.1	Table I

Page 1 of 2

*Shelley Rinker*

Shelley Rinker  
Senior Chemist

*B. Michael Horvath*

D.J. Northington, Ph.D.  
Technical Director

DICE 01801

9840 Albutis Avenue • Santa Fe Springs, California 90670 • 213/948-2225

## WEST COAST ANALYTICAL SERVICE, INC.

AQUA SCIENCE ENGINEERS  
Mr. Mike Marelo

Job # 11357  
November 28, 1988

---

 LABORATORY REPORT
 

---

TABLE I

Parts Per Million (ug/g)

<u>Sample No.</u>	<u>Total Petroleum Hydrocarbons</u>
B1-5'	ND
B1-10'	ND
B1-15'	ND
B1-20'	ND
B1-30'	ND
B1-40'	ND
B2-5'	13
B2-10'	ND
B2-15'	ND
B2-20'	ND
B2-30'	ND
B2-40'	ND
Detection Limit	10

ND-Not Detected

Date Analyzed: 11-23-88



MAJOR DIVISIONS		SOIL CLASSIFICATION SYSTEM		TYPICAL NAMES	
<b>COURSE GRAINED SOILS</b> MORE THAN HALF IS LARGER THAN #200 SIEVE	<b>GRAVELS</b>  MORE THAN HALF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE SIZE	CLEAN GRAVELS WITH LITTLE OR NO FINES	GW	WELL GRADED GRAVELS, GRAVEL - SAND MIXTURES	
		GRAVELS WITH OVER 12% FINES	GP	POORLY GRADED GRAVELS, GRAVEL, GRAVEL - SAND MIXTURES	
		SANDS  MORE THAN HALF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE	CLEAN SANDS WITH LITTLE OR NO FINES	SW	WELL GRADED SANDS, GRAVELLY SANDS
			SANDS WITH OVER 12% FINES	SP	POORLY GRADED SANDS, GRAVELLY SANDS
	<b>FINE GRAINED SOILS</b> MORE THAN HALF IS SMALLER THAN #200 SIEVE	<b>SILTS AND CLAYS</b>  LIQUID LIMIT LESS THAN 50	SANDS WITH OVER 12% FINES	SM	SILTY SANDS, POORLY GRADED SAND - SILT MIXTURES
			SANDS WITH OVER 12% FINES	SC	CLAYEY SANDS, POORLY GRADED SAND-CLAY MIXTURES
			SANDS WITH OVER 12% FINES	ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR, CLAYEY SILTS WITH SLIGHT PLASTICITY
		<b>SILTS AND CLAYS</b>  LIQUID LIMIT GREATER THAN 50	SANDS WITH OVER 12% FINES	CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
			SANDS WITH OVER 12% FINES	OL	ORGANIC CLAYS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
			SANDS WITH OVER 12% FINES	MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS
<b>HIGHLY ORGANIC SOILS</b>	SANDS WITH OVER 12% FINES	CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS		
	SANDS WITH OVER 12% FINES	OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS		
SANDS WITH OVER 12% FINES	PT	PEAT AND OTHER HIGHLY ORGANIC SOILS			

DICE 01803



# facsimile transmittal

8832 DICE ROAD  
SANTA FE SPRINGS  
CALIFORNIA 90670  
562 464-1215 PHONE  
562 693-1156 FAX

To: Donna Smith Fax: 713 402-2053

From: Elynda Garcia Date: 10/10/07

Re: \_\_\_\_\_ Pages: 35

CC: \_\_\_\_\_

- Urgent
- For Review
- Please Comment
- Please Reply
- Please SEND CONFIRMATION

*Sent  
From  
Annette B.*

DICE 01804





**COUNTY OF LOS ANGELES**  
**DEPARTMENT OF PUBLIC WORKS**

900 SOUTH FREMONT AVENUE  
 ALHAMBRA, CALIFORNIA 91803-1331  
 Telephone: (818) 458-5100

THOMAS A. TIDEMANSON, Director

ADDRESS ALL CORRESPONDENCE TO:  
 P.O. BOX 1460  
 ALHAMBRA, CALIFORNIA 91802-1460

January 9, 1989

IN REPLY PLEASE  
 REFER TO FILE:

I-225-1H

Liquid Air Corp.  
 8832 Dice Rd.  
 Santa Fe Springs, CA 90670

Gentlemen:

**HAZARDOUS MATERIAL UNDERGROUND STORAGE  
 CLOSURE/SITE ASSESSMENT REPORT**

CLOSURE PERMIT NO. 4784B

FACILITY LOCATION: 8832 Dice Rd.

This office has reviewed the closure report submitted on December 8, 1988,  
 for the subject facility.

In order to better evaluate the report, the information indicated on the  
 attached Additional Closure Requirements sheet must be submitted to this office  
 by March 8, 1989.

If you have any questions regarding this matter, please contact  
Mr. Paul Halter at (818) 458-3517.

Very truly yours,

T. A. TIDEMANSON  
 Director of Public Works

By [Signature]  
 Waste Management Division

Enc.

cc: George DeVries

CL207 Rev. 3/88

DICE 01805



EXPENDITURE AND LEASE REQUEST

58925

Use For Any Proposed Capital Expenditure, Equipment Lease, or Extraordinary Expense

Location and Function <b>Santa Fe Springs-Bulk Gases Distribution</b>	Request No. <b>600-32-722</b>	Amendment No.
--	----------------------------------	---------------

Description  
**Soil Boring Analyses and Report on Soil Contamination Near Diesel Fuel Dispenser**

Category: <input type="checkbox"/> Expansion <input type="checkbox"/> Cost Reduction <input type="checkbox"/> Replacement <input type="checkbox"/> Maintenance <input checked="" type="checkbox"/> Other <u>Regulatory IA</u>	<input type="checkbox"/> Budgeted <input checked="" type="checkbox"/> Not Budgeted	For Home Office Finance Commission Number _____ Commission Amount _____ Prior Requests _____ This Request _____ Commission Remaining _____
	Person Responsible for Project H: <u>Simon</u> I: <u>Barber</u>	
	Estimated Completion Time <u>11/30/88</u>	

Justification: Show breakdown of purchases, other costs, costs to be expensed. Include specific description, present situation including deficiencies, and alternatives considered. Do not generalize. Attach pertinent schedules and details.

The request is for funds for two (2) soil borings (six samples per boring) to 40 feet below the surface of the diesel fuel dispensing pump island to determine the total recoverable petroleum hydrocarbon (TRPH) level in the soil. Although the soil underneath the diesel tank excavations analyzed clean, the soil around the pump dispenser analyzed at 805 and 6930 mg/kg TRPH (at 4 feet below grade) per attached GIL lab report dated 10/09/88. Since TRPH exceeded 100 mg/kg two, 40' borings as described above are ~~required~~ **Required**.

MCM quote dated Nov. 04, 1988 \$ 4,800. (12 samples @ \$150 each for TRPH + 1 day geologist and drill rig and report) Remediation cost will be covered by separate ACE.

	1st Year	2nd Year	Future Years	TOTAL
Purchases To Be Capitalized				
Other Costs To Be Capitalized				
<b>Total Capital</b>				
Purchases To Be Expensed				
Other Costs To Be Expensed				
<b>Total Expense</b>				
<b>Total Project Cost</b>	<b>\$ 4,800.00</b>			
Trade-in or Disposal - Cash Value				
<b>Net Outlay</b>				

Justification Prepared By: <u>wid Simon</u>	Date <u>11/07/88</u>	Approval <u>[Signature]</u>	Date <u>11/11/88</u>
Approval <u>[Signature]</u>	Date <u>11/11/88</u>	Approval <u>[Signature]</u>	Date <u>11/11/88</u>
Approval <u>[Signature]</u>	Date <u>11/7/88</u>	Approval	Date

## ADDITIONAL CLOSURE REQUIREMENTS

The additional information or requirements checked below must be submitted to the Los Angeles County Department of Public Works, Waste Management Division, P.O. Box 1460, Alhambra, CA 91802-1460, in order to complete the evaluation of Closure Permit No. 4784B.

- Plot plan to scale showing locations of tanks, sampling points, buildings, adjacent streets and north arrow.
- Insufficient number of samples were obtained. Additional samples required in accordance with attached Closure Permit Requirements.
- Describe method of obtaining, handling, and/or transporting samples.
- Indicate time and date samples were obtained.
- Submit logs certified by a CA Registered Geologist, CA Certified Engineering Geologist, or CA Registered Civil Engineer with sufficient experience in soils for all borings.
- Submit chain-of-custody documentation initiated by person obtaining sample through person at DOHS certified laboratory.
- Disposal destination of tanks and evidence of legal disposal.
- Analysis results by a State certified laboratory shall be submitted on laboratory letterhead showing analysis date, methods of extraction and methods of analysis.
- Documentation as to depth of groundwater at facility.
- Manifests to document hazardous waste disposal of removed soil.
- Evidence of legal disposal of soils designated as nonhazardous.
- Signature on the report is required of CA Registered Geologist, CA Certified Engineering Geologist, or CA Registered Civil Engineer with sufficient experience in soils.
- Define the vertical and lateral extent of contamination.
- Propose a remedial action plan to mitigate contamination.
- Proposed future uses or improvements for the area related to the contamination.
- Other \_\_\_\_\_

**George DeVries**

Consulting Geologist



*Tom Barber:*  
*Re-File*

*Santa Fe / group*

4520 E. Slauson Ave., Maywood, California 90270 -- (213) 771-3046 / (213) 596-0467 *Tank Removal*

November 2, 1988

Project No. 231-108  
Closure Permit No. 4784  
L.A. County File No. 225-1H

County of Los Angeles  
Department of Public Works  
Waste Management Division  
900 S. Fremont Ave.  
Alhambra, CA 91803-1331

Subject: Geotechnical Evaluation and Review  
Subsurface Tank Removal  
Liquid Air Corp.  
8832 Dice Rd., Santa Fe Springs, CA  
for Whitaker Concrete Co.

Gentlemen,

This report presents the results of a geotechnical evaluation of the subsurface storage tank removal at the referenced site and a review of the work performed, and summary data presented by Whitaker Concrete Co. (WCC). A total of four (4) tanks were removed from the site on September 21, 1988 by WCC and transported for disposal. The tanks consisted of two (2) 7500-gallon diesel fuel tanks, one (1) 6200-gallon acetone tank, and one (1) 1000-gallon waste-oil tank. A summary of the work performed is presented in the appendix. Vicinity and site maps are presented in Plates 1 & 2. Upon removal of the tanks, selected soil samples were taken from below the tanks to assess the soil and determine if any potential contamination exists. The results of laboratory testing are presented in Plate 4, while the Chain of Custody Record is presented in Plate 5. Plate 6 presents copies of the tank and waste manifests. No subsurface logging was performed.

Prior to removal of the tanks, two borings were excavated in the vicinity of the acetone tank by Combustion Engineering. The borings were sampled and laboratory testing was performed. It is

DICE 01808

231-108/ Liquid Air/ Santa Fe Springs/ 11-2-88

Page 2

understood the results of the earlier investigation was submitted to the regulatory agency and no additional analysis of that data is presented in this report. As a result of the initial borings, soil samples from below the removed acetone tank were not required in the county permit.

#### SITE LOCATION AND GEOLOGY

The subject site is located on the east side of Dice Rd. south of the junction with Slauson Ave. in the City of Santa Fe Springs, Los Angeles County. The present elevation is approximately 150 feet above sea level. The site consists of predominantly alluvial basin fill deposits associated with ephemeral stream deposition within the L.A. basin. The present course of the San Gabriel River is located approximately 1.3 miles to the west. The alluvial materials are generally sandy and silty in nature, though some areas contain some clay and gravel.

Analysis of subsurface ground-water contour data on file with the County of Los Angeles indicate the ground-water level in the vicinity of the site to be on the order of 70 feet below the ground surface. No water was encountered in the excavation.

#### SOIL SAMPLING AND EVALUATION

Selected soil samples were obtained from the earth materials below the tanks. Sample location was chosen in a manner so as to provide the most complete coverage of the subsurface materials and to provide for a more complete evaluation of potential soil contamination. Special attention was given to geological conditions which may provide for accelerated downward movement of ground water. Sample locations are depicted in Plate 2. As mentioned earlier, samples were not required from below the acetone tank due the results of earlier borings excavated at the site by Combustion Engineering.

A total of seven (7) samples were taken from the earth materials in the vicinity of the removed tanks. Two samples each were taken from below the diesel fuel tanks, one sample was taken from below the waste-oil tank, and one sample each was taken from below each one of the pumps (Plate 2). The samples from below the tanks were taken approximately two feet below the tank bottom and the samples from below the pumps were taken approximately four feet below the pumps. The samples were placed in glass jars, sealed with tape, placed in ice to chill, and transported to Certified Testing Laboratories, Inc. for laboratory analysis. The samples were tested for Total Petroleum Hydrocarbons (TPH) using EPA method 418.1. The laboratory test results and the Chain of Custody Record are presented in the appendix (Plates 4 & 5).

231-108/ Liquid Air/ Santa Fe Springs/ 11-2-88

Page 3

CONCLUSIONS

Review of the summary data presented by Whitaker Concrete Corp., Chain of Custody Record, and laboratory test results, indicate the amount of hydrocarbon contamination in some of the earth materials in the vicinity of the removed tanks to be in excess of the "action limit". The County of Los Angeles considers 100 mg/Kg to be an "action limit" where concentrations in excess of this limit may be considered contaminated. Specifically, test results from below both of the pumps indicate excess hydrocarbon contamination of the soil.

It is recommended that remedial action be taken to reduce the amount of hydrocarbon contamination in the earth materials in the vicinity of the pumps. A combination of: 1) removal and transport, and/or 2) aeration, and/or 3) biodegradation, is recommended, subject to approval by the County of Los Angeles. Sufficient data are not presently available to determine the total extent of contamination in the vicinity of the pumps and it is recommended that a site assessment be performed to determine the extent of any contamination and provide recommendations for possible remedial action at the site. Any future work is subject to approval by the Los Angeles County Department of Public Works. This work should be conducted in accordance with Federal, State, and Local regulations.

Laboratory test results from the soil below the removed tanks indicate the amount of TPH to be within the guidelines of the County of Los Angeles. No additional removal or treatment of the earth material below the removed tanks is deemed necessary.

REMARKS

This investigation was made in accordance with generally accepted geologic procedures and within the limits prescribed by the client. No other warranty, expressed or implied, is made as to the professional evaluation included in this report.

Although no significant variations in bedrock or soil conditions are anticipated, if conditions are encountered during future restoration work, and these conditions appear to be different from those disclosed by this preliminary report, this office shall be notified to consider the need for modification.

The backfill at the site was compacted using on-site equipment. While a relative degree of compaction can be obtained in this manner, the fill was not tested and does not qualify as a certified fill. Should this area be used in the future to support structural loads, steps should be taken to test and insure the competence of the fill.

DICE 01810



231-108/ Liquid Air/ Santa Fe Springs/ 11-2-88

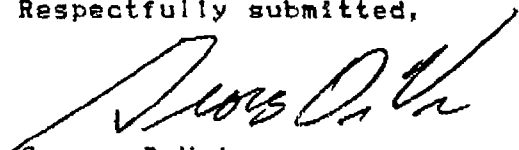
Page 4

It should be realized that subsurface excavations are subject to caving and may present a hazard. In this regard, all shoring and bracing, if necessary, shall conform to current standards of the Industrial Accident Commission of the State of California and other public agencies having jurisdiction.

This report is subject to review by controlling public agencies having jurisdiction.

If you have any questions, please contact this office.

Respectfully submitted,



George DeVries  
Registered Geologist 3721

GD:ga

Distr: Addressee (1)  
Whitaker Concrete Co. (1)  
Liquid Air Corp. (1)

Attachments: Appendix A - Plates 1 thru 6

**Appendix A**

**Vicinity Map**

**Site Map**

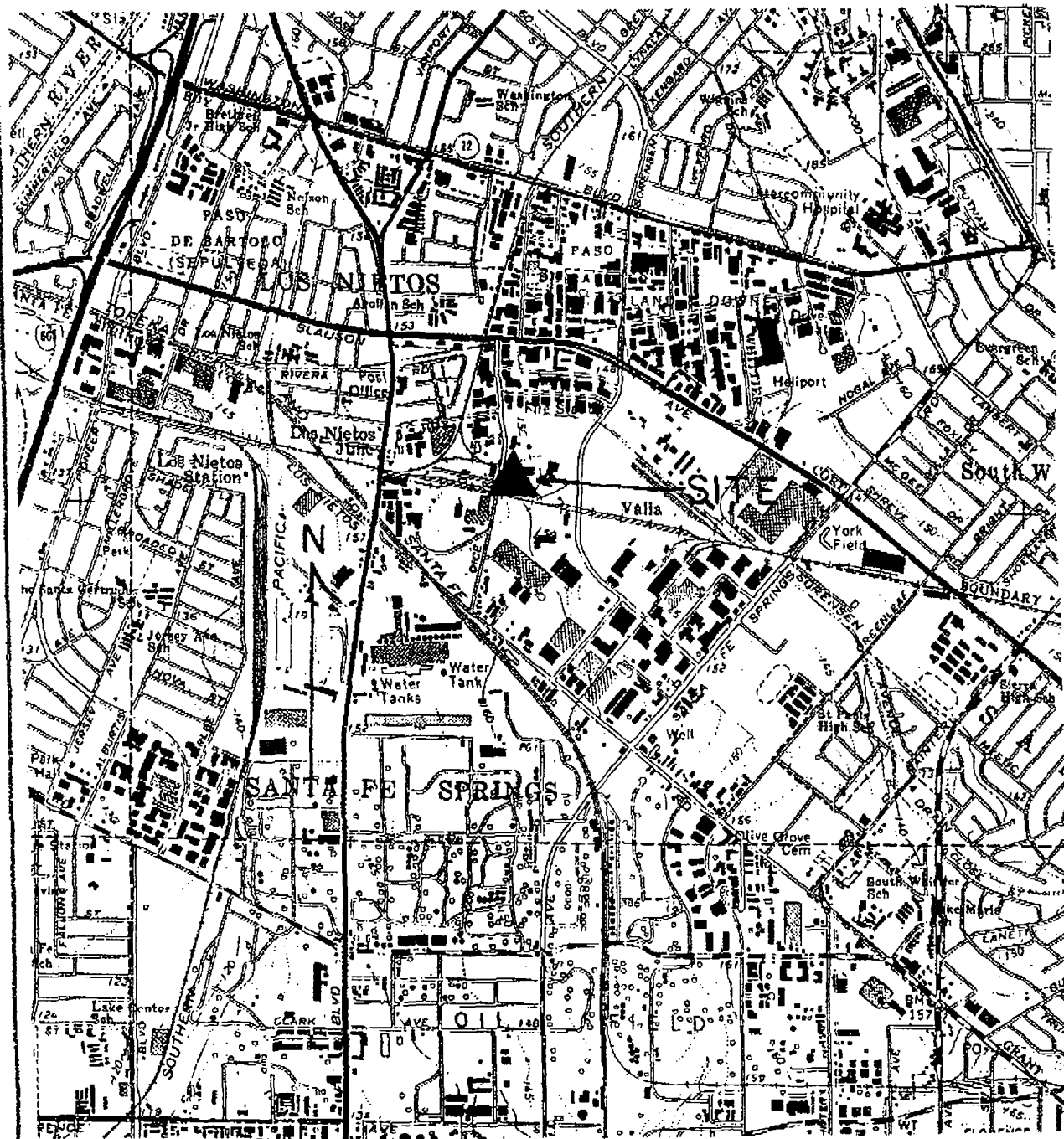
**Closure Summary**

**Laboratory Test Results**

**Chain of Custody Record**

**Tank/Waste Manifests**

VICINITY MAP



from USGS Whittier Quadrangle Map

SCALE 1:24,000

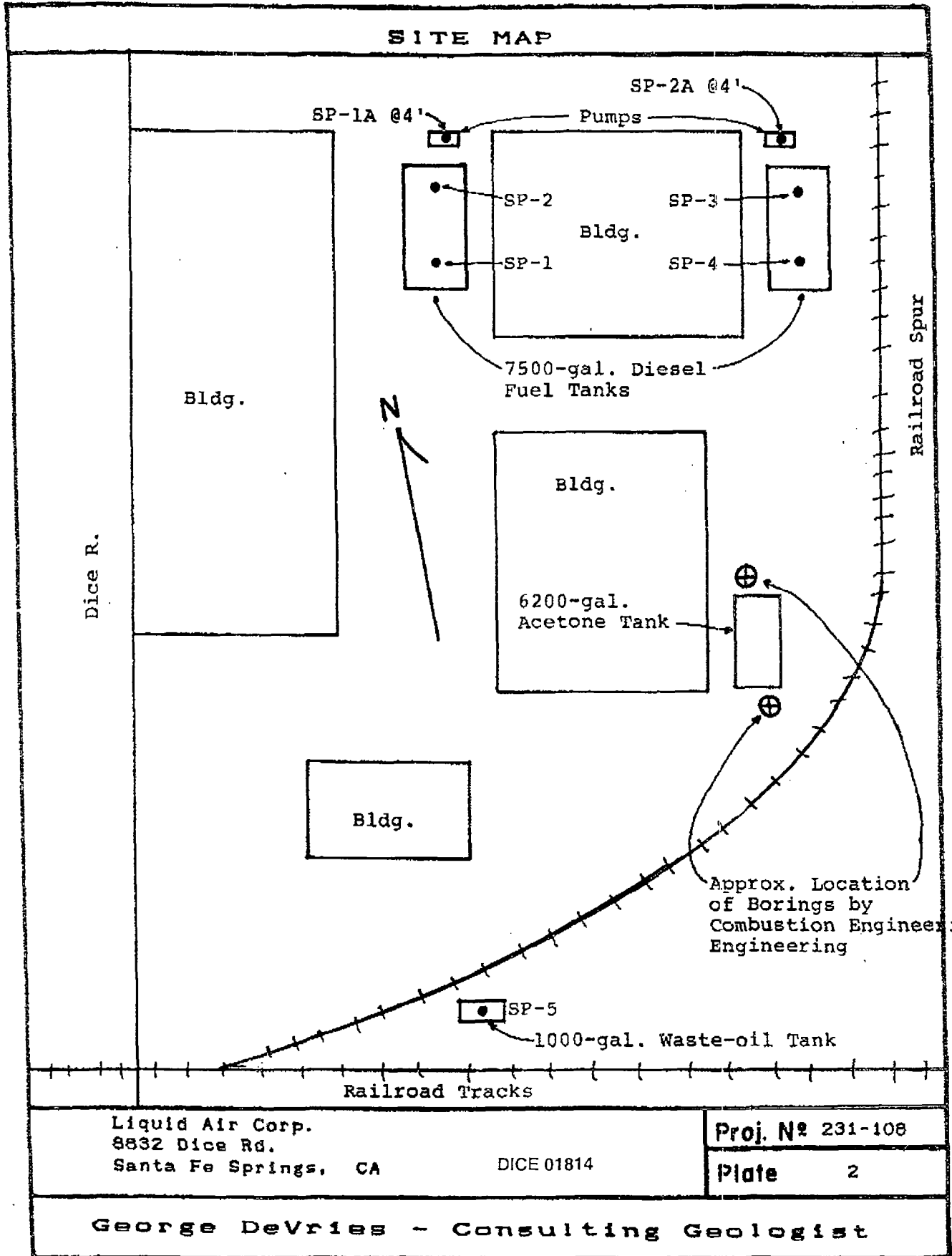
Liquid Air Corp.  
8832 Dice Rd.  
Santa Fe Springs, CA

DICE 01813

Proj. No 231-108

Plate 1

George DeVries - Consulting Geologist



Liquid Air Corp.  
 8832 Dice Rd.  
 Santa Fe Springs, CA

DICE 01814

Proj. N# 231-108

Plate 2

**George DeVries - Consulting Geologist**

**Whitaker Concrete Corp.**

P.O. BOX 275, LYNWOOD, CA 90262 • (213) 639-1904

October 13, 1988

George DeVries  
4520 E. Slauson Ave.  
Maywood, Ca. 90270

Re: Liquid Air  
8832 Dice Rd.  
Santa Fe Springs

Dear Mr. DeVries:

Liquid Air has requested the permanent closure of 2-7,500 diesel, 1-6,200 gallon acetone, and 1-1000 wasteoil steel tanks. The decision was based on the possibility of future tank leakage that could cause a contamination of the soil.

The necessary tank removal permits were obtained by an agent of Whitaker Concrete Corp. and signed by the proper regulatory agency. The tanks were rendered inert and removed from the site on September 21, 1988. The tanks were flushed three times and cooled with dry ice. Excavation and removal was performed by agents of WCC and observed by inspectors from the applicable regulatory agencies.

Upon removal of the tank, seven soil samples were taken from approximately two feet below the removed tanks. The samples were stored in ice and transported to Certified Testing Lab. Inc. for analysis. Chain-of Custody records were maintained to insure its traceability.

The soil samples were tested for Total Petroleum Hydrocarbons (TPH) using EPA method 418.1. Laboratory test results are attached.

The test results (see laboratory results) indicate the soil to be clear of contaminants.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'Sid Whitaker'.

Sid Whitaker  
Project Manager

Plate 3

**"WE SAW YOU FIRST"**

DICE 01815


**certified testing laboratories, inc.**

105 EAST CENTURY BLVD. • SOUTH GATE, CALIF. 90280 • (213) 564-2841

LABORATORY NO 3922 REPORTED 09-29-88  
 CLIENT Whitaker Concrete Corporation  
 P.O. Box 275  
 Lynwood, CA 90262  
 Attn: Sid Whitaker  
 SAMPLED  
 REPORTED 09-21-88  
 SAMPLE Soil  
 MARKS Liquid Air Corp. 9/21/88  
 Location Description: 2 ft under tank  
 BASED ON SAMPLE As received

RESULTS	Total Recoverable Petroleum Hydrocarbons EPA 418.1, mg/Kg	Detection Limit, mg/Kg
SP-1 2:30	ND	5
SP-2 2:30	ND	5
SP-3 3:00	95	5
SP-4 3:00	ND	5
SP-5 1:00	ND	5

Attachment: Chain of custody

 Respectfully submitted,  
 CERTIFIED TESTING LABORATORIES, INC.

*Stuart E. Salot*  
 Stuart E. Salot, Ph.D.  
 Laboratory Director

DICE 01816

 Plate 4  
 (1 of 2)



**certified testing laboratories, inc.**

1008 EAST CENTURY BLVD. • SOUTH GATE, CALIF. 90280 • (213) 564-2641

LABORATORY NO. 4023 REPORTED 10-09-88  
 CLIENT Whitaker Concrete Corp. SAMPLED  
 P.O. Box 275  
 Lynwood, CA 90262 RECEIVED 09-29-88  
 Attn: Syd Whitaker  
 SAMPLE Soil  
 MARKS Project name: Liquid Air - Santa Fe Springs 9/29/88  
 BASED ON SAMPLE As received

RESULTS	Sample ID	Total Recoverable Petroleum Hydrocarbons Method 418.1, mg/Kg
	<i>SP-1A</i>	
	<del>SP-1</del> West 4 feet	805
	<del>SP-2</del> East 4 feet	6,930
	<i>SP-2A</i>	

Attachment: Chain of Custody

Note: Samples relabeled to correspond to Plate 2

Respectfully submitted,  
 CERTIFIED TESTING LABORATORIES, INC.

*Stuart E. Salot*  
 Stuart E. Salot, Ph.D.  
 Laboratory Director

DICE 01817

Plate 4  
 (2 of 2)

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.



**CERTIFIED TESTING LABORATORIES, INC.**  
2905 E. CENTURY BLVD. • SOUTH GATE, CA 90280 • 213/564-2641

- SAN DIEGO
- HARBOR CITY
- BAKERSFIELD
- SOUTH GATE
- MOBILE LAB

CHAIN OF CUSTODY RECORD

Date: 9-21-88 Page      of     

CLIENT WHITAKER CONCRETE Corp.  
ADDRESS 639-1904 (S.D)

PROJECT MANAGER Sid Whitaker  
PHONE NUMBER     

PROJECT NAME LIQUID AIR Corp

SAMPLERS: (Signature) Sid Whitaker

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE			SOLID	NO. OF CONTAINERS	TESTS REQUIRED
				WATER		AIR			
				Comp.	Grab.				
1	2 FT UNDER TANK	9-21-88	2:30					1	418.1
2	2 FT UNDER TANK	11	2:30					1	418.1
3	2 FT UNDER TANK	11	3:00					1	418.1
4	2 FT UNDER TANK	11	3:00					1	418.1
5	2 FT UNDER TANK	11	1:00					1	418.0

Relinquished by: (Signature)	Received by: (Signature)	CTL will store sample for 30 days at no charge. Storage after 30 days is charged at \$10 per month per sample. Disposal requires special arrangement. Indicate the disposition of your sample. 1. Client retrieved _____ by _____ 2. Lab Disposal _____ by _____ 3. Store for _____ days. by _____ 4. Other _____ by _____	Date/Time
Relinquished by: (Signature)	Received by: (Signature)		Date/Time
Relinquished by: (Signature)	Received by Mobile Laboratory for field analysis: (Signature)		Date/Time
Dispatched by: (Signature)	Date/Time		Received for Laboratory by: _____

Method of Shipment: I-E chest  
Special Instructions:     

I hereby authorize the performance of the above indicated work.  
Sid Whitaker

AIR LIQUIDE AMERICA LP Fax: 15626931156

Oct 10 2007 12:50

P.15

Plate 5 (1 of 2)

SOURCE: Adapted from U.S. EPA, 1985





**CERTIFIED TESTING LABORATORIES, INC.**  
2905 E. CENTURY BLVD. • SOUTH GATE, CA 90280 • 213/364-2641

- SAN DIEGO
- HARBOR CITY
- BAKERSFIELD
- SOUTH GATE
- MOBILE LAB

**CHAIN OF CUSTODY RECORD**

Date 9-29- Page 1 of 1

CLIENT Whitaker Concrete Corp.

ADDRESS \_\_\_\_\_

PROJECT MANAGER SID WHITAKER

PHONE NUMBER 639-1904

PROJECT NAME Fig. Air - Santa Fe Spring

SAMPLERS: (Signature) Sid Whitaker

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE			SOLID	NO. OF CONTAINERS	TESTS REQUIRED
				WATER		AIR			
				Comp.	Grab.				
<u>1</u>	<u>SP-1 West 4ft</u>	<u>9-29-88</u>					<u>1</u>	<u>418.1</u>	
<u>2</u>	<u>SP-2 East 4ft</u>	<u>9-29-88</u>					<u>1</u>	<u>418.1</u>	

Samples received on ice - ya

Relinquished by: (Signature) \_\_\_\_\_

Received by: (Signature) \_\_\_\_\_

CTL will store sample for 30 days at no charge. Storage after 30 days is charged at \$10 per month per sample. Disposal requires special arrangement. Indicate the disposition of your sample.

1. Client retrieved \_\_\_\_\_ by \_\_\_\_\_

2. Lab Disposal \_\_\_\_\_ by \_\_\_\_\_

3. Store for \_\_\_\_\_ days. by \_\_\_\_\_

4. Other \_\_\_\_\_ by \_\_\_\_\_

Date/Time \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_

Received by: (Signature) \_\_\_\_\_

Date/Time \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_

Received by Mobile Laboratory for field analysis: (Signature) \_\_\_\_\_

Date/Time \_\_\_\_\_

Dispatched by: (Signature) \_\_\_\_\_

Date/Time \_\_\_\_\_

Received for Laboratory by: Naomi Humphrey

Date/Time 9-29 5:01 pm

Method of Shipment: Fed Ex

I hereby authorize the performance of the above indicated work.

Special Instructions: \_\_\_\_\_

[Signature]

DICE 01819

Plate 5  
(2 of 2)

AIR LIQUIDE AMERICA LP Fax:15626931156

Oct 10 2007 12:50

P.16

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

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. CA1A10101010141171017	Ma. Document No. 01010101	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Liquid Air Corporation 8832 Dice Rd. Santa Fe Springs, Ca. 90670				A. State Manifest Document Number 87848662		
4. Generator's Phone (213) 945-1383				B. State Generator's ID		
5. Transporter 1 Company Name Roadwest Oil & Vacuum Co., Inc.		6. US EPA ID Number IC1A1T10181010121917170		C. State Transporter's ID 800098		D. Transporter's Phone 213/693-9881
7. Transporter 2 Company Name				E. State Transporter's ID		F. Transporter's Phone
9. Designated Facility Name and Site Address DeMenno/Kerdoon 2000 N. Alameda Street Compton, Ca. 90222		10. US EPA ID Number IC1A1T1018101011331512		G. State Facility's ID CA1A1T1018101011331512		H. Facility's Phone 213/537-7100
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Flammable Liquid, N.O.S. UN 1993			01011TT	181010	G	State 213 EPA/Other NONE
b. DOT-E 8822						State EPA/Other
c.						State EPA/Other
d.						State EPA/Other
J. Additional Descriptions for Materials Listed Above 5% Gas 10ml 95% H <sub>2</sub>				K. Handling Codes for Wastes Listed Above a. 01 b. c. d.		
15. Special Handling Instructions and Additional Information Gloves + Goggles						
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 STEPHEN KING			Signature Stephen King		Month Day Year 09/21/88	
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name TIM REES			Signature Tim Rees		Month Day Year 09/21/88	
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name			Signature		Month Day Year	
19. Discrepancy Indication Space DICE 01820						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 18.						
Printed/Typed Name			Signature		Month Day Year	

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



2202 South Milliken Avenue  
Ontario, CA 91761  
(714) 947-2888

No. **28384**

**TANK DISPOSAL FORM**

Date: 9-15-1988  
Job # \_\_\_\_\_  
P.O.# \_\_\_\_\_

CONTRACTOR: WILTAKER CONCRETE  
ADDRESS: PO Box 275 Lynwood CA 90212  
JOB SITE: LIQUID AIR CORP  
ADDRESS: 8832 DICE RD SANTA FE SPRINGS CA  
DESTINATION: A.M.R. 2202 S. Milliken Ave., Ontario, CA 91761

DATE: 7-21-88 TIME: 1:00 PROJECTED TANKS: 2-7500 1-6000 1-1000 ORDERED BY: \_\_\_\_\_ LIC. NO. \_\_\_\_\_

SPECIAL INSTRUCTIONS: 2 TRUCKS  
TIME IN: 1:00  
TIME OUT: 2:00

QTY.	TANKS RECEIVED		NET TONS	TOTAL
	GALLONS	TYPE F' S'		
_____	280	<input type="checkbox"/> <input type="checkbox"/>	.14	
_____	500	<input type="checkbox"/> <input type="checkbox"/>	.21	
_____	550	<input type="checkbox"/> <input type="checkbox"/>	.24	
_____	1000 - 12 ft.	<input type="checkbox"/> <input type="checkbox"/>	.44	
_____	1000 - 6 ft.	<input type="checkbox"/> <input type="checkbox"/>	.81	
<u>✓</u>	1500	<input type="checkbox"/> <input checked="" type="checkbox"/>	.87	.87
_____	2000	<input type="checkbox"/> <input type="checkbox"/>	.97	
_____	2500	<input type="checkbox"/> <input type="checkbox"/>	1.14	
_____	3000	<input type="checkbox"/> <input type="checkbox"/>	1.32	
_____	4000	<input type="checkbox"/> <input type="checkbox"/>	1.64	
<u>✓</u>	5000	<input type="checkbox"/> <input checked="" type="checkbox"/>	2.42	2.42
_____	8000	<input type="checkbox"/> <input type="checkbox"/>	2.84	
_____	7500	<input type="checkbox"/> <input type="checkbox"/>	3.28	
_____	8000	<input type="checkbox"/> <input type="checkbox"/>	3.44	
_____	9000	<input type="checkbox"/> <input type="checkbox"/>	3.82	
_____	10000	<input type="checkbox"/> <input type="checkbox"/>	4.35	
_____	12000	<input type="checkbox"/> <input type="checkbox"/>	4.93	

All fees incurred are per load unless specified.  
Terms are net 30 days from date of invoice.  
Contractor's signature represents acceptance of terms for payment, and confirms that tank removal complies with State laws.

Stephen King  
CONTRACTOR'S SIGNATURE

NO. OF TANKS: 2 TOTAL NET TONS: 3.29  
\*F - FIBERGLASS \*S - STEEL 105

**CERTIFICATE OF TANK DISPOSAL / DESTRUCTION**  
THIS IS TO CERTIFY THE RECEIPT AND ACCEPTANCE OF THE TANK(S) AS SPECIFIED ABOVE. ALL MATERIALS SPECIFIED HAVE BEEN COMPLETELY DESTROYED FOR SCRAP PURPOSES ONLY.

M. [Signature]  
AUTHORIZED REP.

9-21-88  
DATE

GENERATOR COPY

DICE 01821



2202 South Milliken Avenue  
Ontario, CA 91761  
(714) 947-2888

No. **28383**

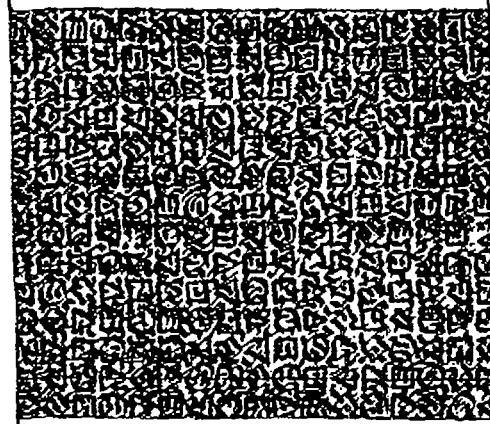
**TANK DISPOSAL FORM**

Date: 9-15-19 88  
Job # \_\_\_\_\_  
P.O. # \_\_\_\_\_

CONTRACTOR: WHITAKER COMPLETE  
ADDRESS: PO Box 275 Lynwood CA 90262  
JOB SITE: LIQUID AIR CORP  
ADDRESS: 832 DICE RD SANTA FE SPRINGS CA  
DESTINATION: A.M.R. 2202 S. Milliken Ave., Ontario, CA 91761

DATE: 9-21-88 TIME: 1:00 PROJECTED TANKS: 2-2500 1-1000 1-1000 ORDERED BY: \_\_\_\_\_ LIC. NO.: #3

SPECIAL INSTRUCTIONS: \_\_\_\_\_  
2 tanks  
TIME IN: 1:00  
TIME OUT: 3:30  
TWO HOURS 30 MIN  
LOADING TIME NOT



QTY.	TANKS RECEIVED		NET TONS	TOTAL
	GALLONS	TYPE F* S*		
_____	280	<input type="checkbox"/> <input type="checkbox"/>	.14	
_____	500	<input type="checkbox"/> <input type="checkbox"/>	.21	
_____	550	<input type="checkbox"/> <input type="checkbox"/>	.24	
_____	1000 - 12 ft.	<input type="checkbox"/> <input type="checkbox"/>	.44	
_____	1000 - 8 ft.	<input type="checkbox"/> <input type="checkbox"/>	.61	
_____	1500	<input type="checkbox"/> <input type="checkbox"/>	.87	
_____	2000	<input type="checkbox"/> <input type="checkbox"/>	.97	
_____	2500	<input type="checkbox"/> <input type="checkbox"/>	1.14	
_____	3000	<input type="checkbox"/> <input type="checkbox"/>	1.32	
_____	4000	<input type="checkbox"/> <input type="checkbox"/>	1.64	
_____	5000	<input type="checkbox"/> <input type="checkbox"/>	2.42	
<u>2</u>	6000	<input type="checkbox"/> <input type="checkbox"/>	2.84	
_____	7500	<input type="checkbox"/> <input type="checkbox"/>	3.26	
_____	8000	<input type="checkbox"/> <input type="checkbox"/>	3.44	
_____	9000	<input type="checkbox"/> <input type="checkbox"/>	3.82	
_____	10000	<input type="checkbox"/> <input type="checkbox"/>	4.33	
_____	12000	<input type="checkbox"/> <input type="checkbox"/>	4.93	

All fees incurred are per load unless specified.  
Terms are net 30 days from date of invoice.  
Contractor's signature represents acceptance of terms for payment, and confirms that tank removal complies with State laws.

y. Stephen King  
CONTRACTOR'S SIGNATURE

NO. OF TANKS: 2 TOTAL NET TONS: 6.52  
\*F - FIBERGLASS  STEEL 105

**CERTIFICATE OF TANK DISPOSAL / DESTRUCTION**  
THIS IS TO CERTIFY THE RECEIPT AND ACCEPTANCE OF THE TANK(S) AS SPECIFIED ABOVE. ALL MATERIALS SPECIFIED HAVE BEEN COMPLETELY DESTROYED FOR SCRAP PURPOSES ONLY.

W. J. [Signature]  
AUTHORIZED REP.

9-21-88  
DATE

GENERATOR COPY

DICE 01822

Plate 6  
(3 of 3)



COPY

So. California Field Office, 1666 Newport Blvd., #116, Costa Mesa, CA 92626  
Tel 714-675-5754 • Fax 714-675-5943

December 5, 1988

PROJECT REPORT

SITE ASSESSMENT FOR DIESEL CONTAMINATION OF SOIL AT:

LIQUID AIR CORPORATION  
8832 DICE ROAD  
SANTA FE SPRINGS, CA

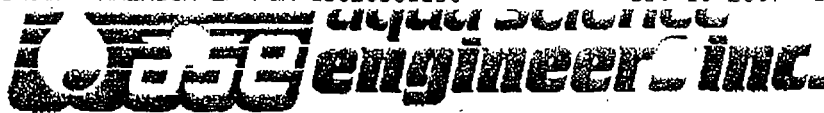
Prepared For:

Liquid Air Corporation  
8832 Dice Road  
Santa Fe Springs, Ca

Submitted By:

Aqua Science Engineers  
1666 Newport Blvd. #166  
Costa Mesa, CA 92926

DICE 01823



COPY

So. California Field Office, 1666 Newport Blvd., #116, Costa Mesa, CA 92626  
Tel 714-675-5754 • Fax 714-675-5943

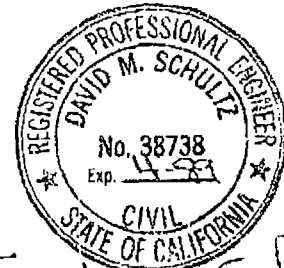
December 5, 1988

PROJECT REPORT

SITE ASSESSMENT FOR DIESEL CONTAMINATION OF SOIL AT:

LIQUID AIR CORPORATION  
8832 DICE ROAD  
SANTA FE SPRINGS, CA

For Aqua Science Engineers, Inc.:



*David M. Schultz*

*Michael Marella*  
Michael Marella  
Geological Operations

David M. Schultz  
Vice President  
Field Operations

DICE 01824

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
Executive Summary.....	1
Investigative Methods.....	2
-Drilling	
-Soil Sampling	
-Chemical Analysis	
Results of the Investigation.....	2
-Geology and Hydrogeology	
-Chemical Analysis	
Conclusions.....	3
Table I: Table of Soil Sample Analysis.....	4
Figure 1: Site Plan.....	5
Figures 2 and 3: Soil Boring Logs.....	6
Appendix I: Chain of Custody Document.....	11
Appendix II: Laboratory Analysis Sheets.....	12
Appendix III: Soil Classification System.....	14

EXECUTIVE SUMMARY

The following is a report on the methods and findings of a site contamination assessment project conducted by Aqua Science Engineers at Liquid Air Corporation, Santa Fe Springs, California. This project is in response to hydrocarbon contamination discovered during the tank closure project conducted on September 21, 1987.

Chemical analysis of soil samples from the tank removal project indicated 805 ppm and 6,930 ppm total petroleum hydrocarbons (TPH) in soil samples collected from beneath two diesel fuel product dispensers (see George DeVrees tank closure report dated November 2, 1988). The soil samples were collected at approximately four feet below the dispensers. Soil samples collected from beneath the diesel fuel tanks indicated non-detectable levels of TPH.

On November 18, 1988 Aqua Science collected soil samples at 5, 10, 15, 20, 30 and 40 feet from each of two soils borings drilled directly adjacent to the locations of two product dispensers (Figure 1). The purpose of the bore holes were to collect soil samples to determine the extent of the hydrocarbon contamination discovered during the tank closure project. Groundwater was not encountered during drilling.

Logs of the well cuttings show that the native soils are primarily composed of silt, clayey-sandy silt, and well graded sand. The nearest LACFCD test well to the site is well #1623L which is located approximately 0.75-miles northeast of the site. The depth to groundwater from the surface, as measured in November 1987, was 58.2 feet below the ground surface. Local groundwater movement in the area is most probably southwest.

Chemical analyses of the soil samples conducted by West Coast Analytical Services, Santa Fe Springs, California, indicate 13 ppm TPH in the five-foot sample from boring #2. The laboratory analysis of the remaining samples from this boring, and from boring #1, indicate non-detectable levels of TPH by EPA method 418.1.



## INVESTIGATIVE METHODS

### DRILLING

The soils borings were drilled with a CME-75 truck mounted hydraulic rotary drill. Eight-inch O.D. hollow-stem continuous flight auger was used for all of the borings. A total of two borings were drilled to 40 feet below the ground surface. Locations of the borings are shown in Figure 1.

Soil samples were collected in each boring at 5, 10, 15, 20, 30 and 40 feet below the ground surface. The borings were backfilled with clean native soil after soil sample collection. Logs of the drill cuttings are shown on Figures 2 and 3.

### SOIL SAMPLING

Soil samples were taken in the borings using a California split spoon sampler on November 18, 1988. The California split spoon sampler was steam cleaned before sampling and all drilling equipment was decontaminated by steam cleaning prior to drilling. The sampler was washed with a TSP and water solution between samplings.

The soil samples were collected in pre-cleaned, 2-inch by 4-inch aluminum liner tubes. The tube ends were secured with double-thickness aluminum foil and plastic end caps. The samples were placed in an ice chest with ice, and transported to West Coast Analytical Services (WCAS) in Santa Fe Springs, Ca for chemical analysis. A Chain-of-Custody form accompanied the samples to the laboratory (Appendix I).

### CHEMICAL ANALYSIS

WCAS conducted the chemical analysis of the soils samples using the EPA methods shown in Table I. The soil samples were analyzed for total petroleum hydrocarbons (diesel) using modified EPA method 418.1. Values are given in ug/g (parts per million). Laboratory data sheets provided by WCAS are given in Appendix II.

## RESULTS OF THE INVESTIGATION

### GEOLOGY AND HYDROGEOLOGY

The bore hole locations are shown on Figure 1. An examination of the bore hole logs show that the soils to 40 feet beneath the site consist of the following: silt, clayey-sandy silt and well graded sand. The soil types encountered were classified using the Unified Soil Classification System (Appendix III).

The nearest LACFCD test well to the site is well number 1623L. The well is located approximately 0.75 miles to the northeast of the site.

The last groundwater measurement was conducted in November 1987. The depth to groundwater on that date was 58.2 feet below the ground surface.

An accurate determination of groundwater flow direction is beyond the scope of this project. However, the estimated direction of flow is southeast.

#### CHEMICAL ANALYSIS

The chemical analyses provided by WCAS of the soil samples from bore hole #2 indicate total petroleum hydrocarbon contamination ranging to 13 ppm in the five-foot sample. The analyses of the remaining samples from this boring were below detectable levels for EPA method 418.1; below 10 ppm. The chemical analyses of the soil samples from boring #1 indicated non-detectable levels of TPH for all samples. A summary of the laboratory data is given in Table I. The laboratory report provided by WCAS appears in Appendix II.

#### CONCLUSIONS

Elevated hydrocarbon concentrations were discovered in soil samples collected from beneath the two diesel product dispensers at this site. These samples were collected during the tank removal project conducted on September 21, 1988. The locations of the soil borings conducted for this project are located within five feet of the diesel product dispensers. If a significant amount of product leaked into soil at the dispensers, significant levels of soil contamination should have been indicated in the soils boring samples. However, only trace levels of TPH (13 ppm) were discovered in the five-foot sample from boring #2 (sample B2-5').

Bases on these results, significant levels of diesel contamination (if present) appear to be vertically and laterally restricted to small volumes of soil directly beneath the product dispensers. The total amount of effected soil is unknown. However, the total volume of soil containing TPH contamination above the 100 ppm action level established by Los Angeles County is expected to be small.

The suspect soil is presently located under a six-inch concrete pad which covers the entire site. Since the source of diesel contamination has been removed (product dispensers), potential vertical migration of the long-chain diesel hydrocarbons present in the soil is expected to be very limited. The potential impact of the contamination on land or groundwater use is expected to be insignificant. It is the opinion of Aqua Science Engineers that no further assessment or remediation work be required along these lines.

The results of this investigation represent conditions at the time and location at which samples were collected and for the parameters analyzed in the laboratory. It does not fully characterize the site for contamination resulting from other sources or parameters not analyzed. This report is subject to review by governing regulatory agencies.

TABLE I

Chemical Constituents	EPA Method Used in Analysis
Total Petroleum Hydrocarbons	418.1

Boring Number	Sample Designation	TPH Conc.
B-1	B1-5'	ND
	B1-10'	ND
	B1-15'	ND
	B1-20'	ND
	B1-30'	ND
	B1-40'	ND
B-2	B2-5'	13
	B2-10'	ND
	B2-15'	ND
	B2-20'	ND
	B2-30'	ND
	B2-40'	ND

\* Detection level for EPA method 481.1 is 10 ug/g (ppm)  
(LUFT manual, May 1988)

Figure 1

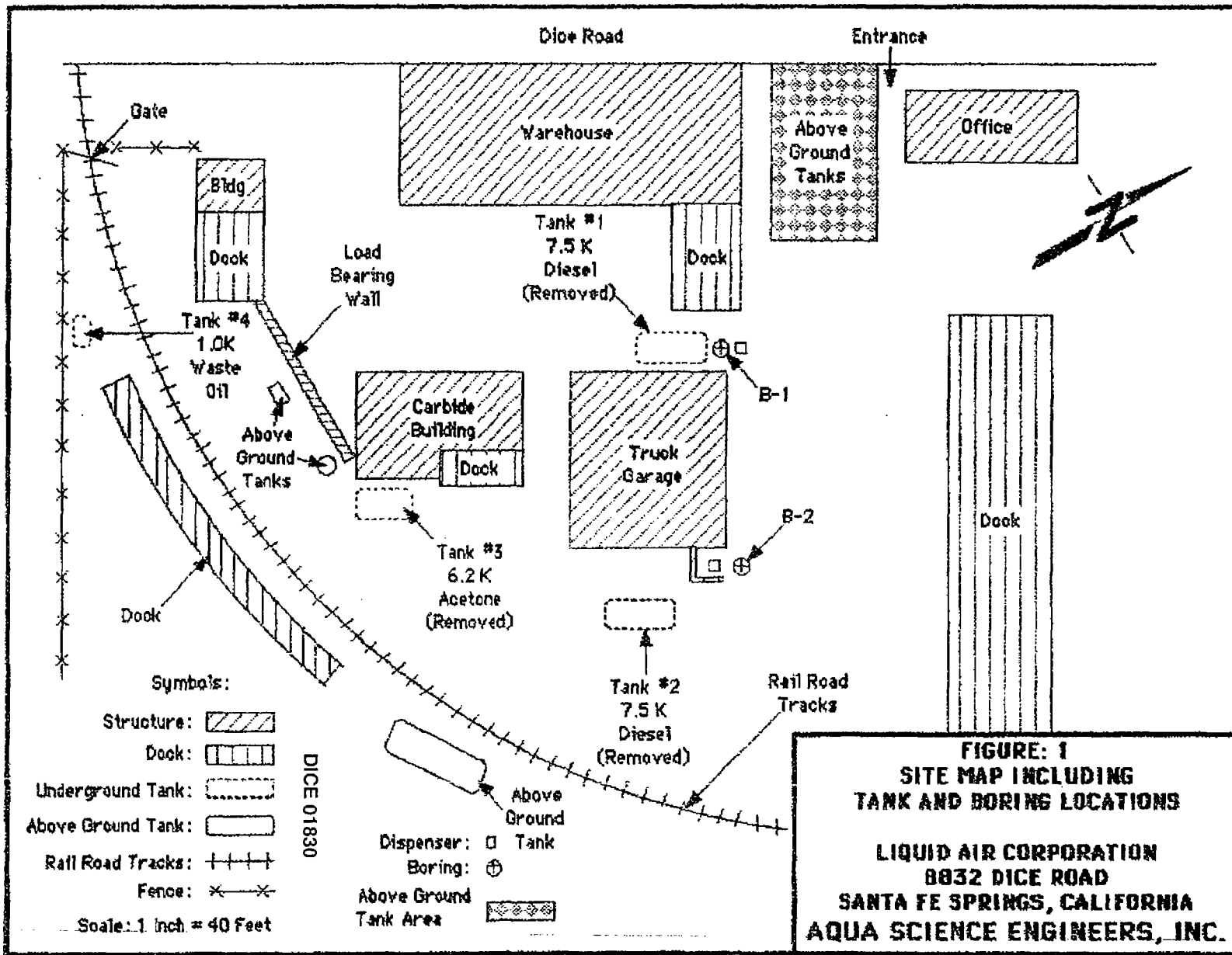


Figure 2

PROJECT: Liquid Air		LOG OF SOIL BORING # B-1		
depth ft.	SOILS DESCRIPTION	BORE HOLE DETAILS	Hammer Blow Count	REMARKS
0	Concrete Approx. 8"	Concrete	0	
1	Olive-Brown Silt (ML)	Backfilled with clean cuttings		Sample 5' No Odor
2				
3				
4				
5				
6				
7				
8	Brown Clayey-Sandy Silt (ML-SM)			Sample 10' No Odor
9				
10				
11				
12	Tan-Red Sand (SW) Coarse-Fine-Medium Sand			Sample 15' No Odor
13				
14				
15				
16				
17				
18				
19				
20	Decrease in Coarse Component			Sample 20'
21				
22				

Figure 2

PROJECT: Liquid Air		LOG OF SOIL BORING # D-1				
Depth ft	SOILS DESCRIPTION	BORE HOLE DETAILS		Hammer Blow Count	REMARKS	
23	Tan-Red Sand (SW) Coarse-Fine-Medium Sand			23		
24						
25	Pale-Olive Silt (ML)					
26						
27						
28				28		
29						
30						Sample 30' No Odor
31						
32						
33				33		
34						
35						
36						
37						
38				38		
39						
40	E.O.H.				Sample 40' No Odor	
41						
42						
43			43			
44						
45						
				DICE 01832		
AQUA SCIENCE ENGINEERS		Logged By: Mike Marella		Date Logged: 11-18-88		
					Figure #	

Figure 3

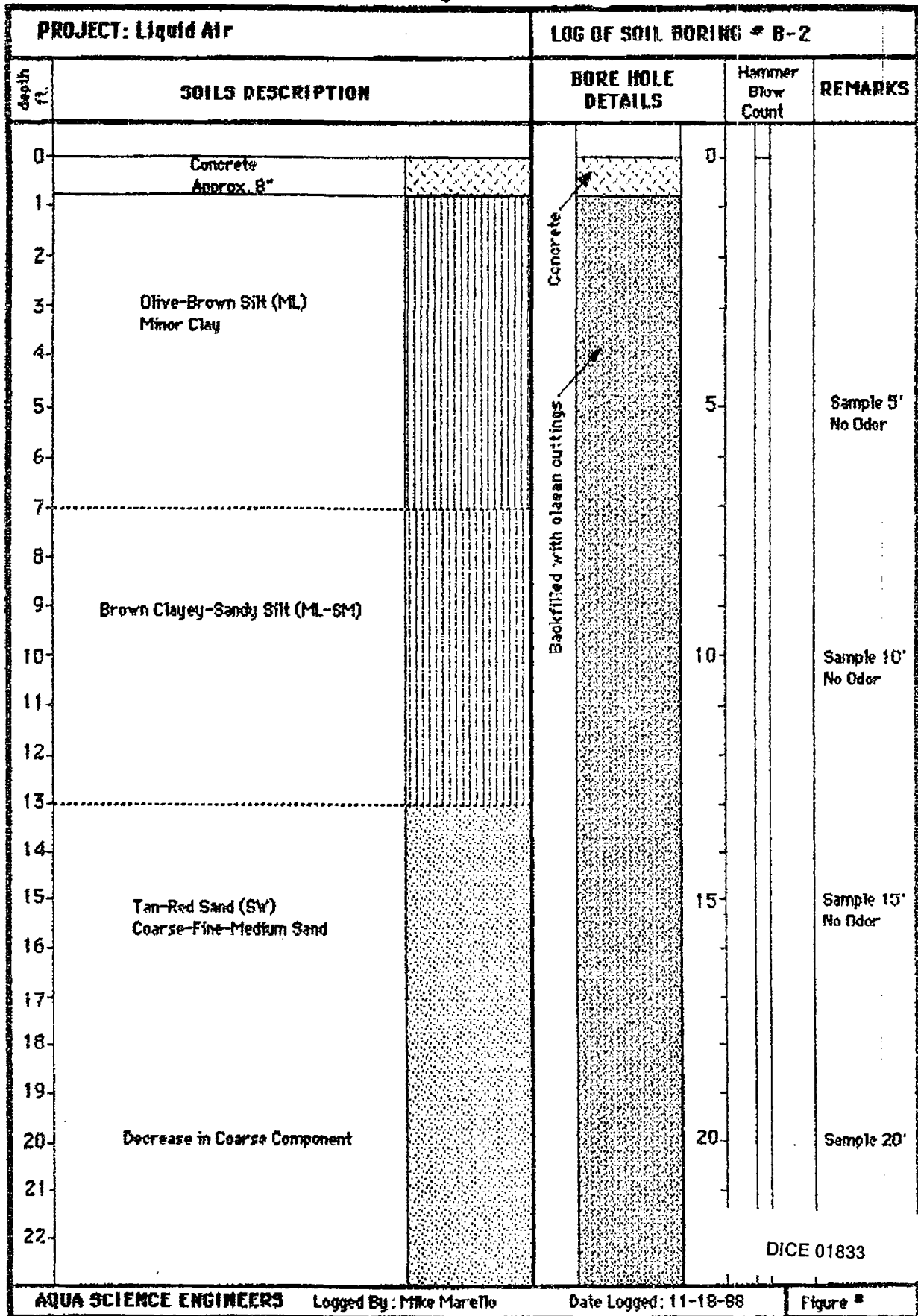


Figure 3

PROJECT: Liquid Air		LOG OF SOIL BORING # B-2			
depth ft.	SOILS DESCRIPTION	BORE HOLE DETAILS	Hammer Blow Count	REMARKS	
23	Tan-Red Sand (Sw) Coarse-Fine-Medium Sand		23		
24					
25	Pale-Olive Silt (ML)				
26					
27					
28			28		
29					
30					Sample 30' No Odor
31					
32					
33				33	
34					
35					
36	Pale-Olive-Tan Silt (ML)				
37					
38			38		
39					
40					Sample 40' No Odor
41	E.O.H.				
42					
43			43		
44					
45					

DICE 01834



LA0148

P.O. Box 535, San Ramon, CA 94583-0535



(415) 820-9391

Project Name: Liquid Air Site: Santa Fe Springs Date: 11-18-88 Laboratory: WCAS

Sample ID	Sample/Container Type	Analyze/ Hold	Analyze For:	Method - Detection Limit	Notes/Remarks
B1-5'	soil 1/1L tube	A	418-1		
" 1-10'					
" 1-15'					
" 1-20'					
" 1-30'					
" 1-40'					
B2-5'					
" 2-10'					
" 2-15'					
" 2-20'					
" 2-30'					
" 2-40'					

S = Soil W = Water O = Other  
 G = Glass BT = Brass Tube P = Plastic V = Vial Q = Other

Chain of Custody

1. Sampled by: Michael Mavello  
 2. Courier: \_\_\_\_\_  
 3. Received by Lab: PRESTON  
 Date: 11-18-88 Time: 1250  
 4. Received in Office: Date: \_\_\_\_\_

- Collate all samples for single analysis.
- Collate and analyze two top samples and if clean, do not analyze other sample.
- Call ASE for instructions.
- See attached protocol.

DICE 01835

#11357

AIR LIQUIDE AMERICA LP Fax: 15626931156

Appendix I

Oct 10 2007 12:53 P.32

Appendix II

November 28, 1988

AQUA SCIENCE ENGINEERS  
414 31st Street, #A  
Newport Beach, CA 92663

Attn: Mike Marello

JOB NO. 11357

**WCAS**

**WEST COAST  
ANALYTICAL  
SERVICE, INC.**

ANALYTICAL CHEMISTS

A

LABORATORY REPORT

Samples Received: Twelve (12) soils  
Date Received: 11-18-88  
Purchase Order No: LA 0148/Liquid Air

The samples were analyzed as follows:

<u>Samples Analyzed</u>	<u>Analysis</u>	<u>Results</u>
Twelve (12) soils	Total Petroleum Hydrocarbons by EPA 418.1	Table I

Page 1 of 2

*Shelley Rinker*

Shelley Rinker  
Senior Chemist

*B. Michael Horvath for*

D.J. Northington, Ph.D.  
Technical Director

DICE 01836

## Appendix II

13

## WEST COAST ANALYTICAL SERVICE, INC.

AQUA SCIENCE ENGINEERS  
Mr. Mike MareelloJob # 11357  
November 28, 1988

---

---

LABORATORY REPORT

---






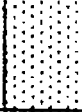

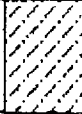





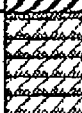

---

TABLE IParts Per Million (ug/g)

<u>Sample No.</u>	<u>Total Petroleum Hydrocarbons</u>
B1-5'	ND
B1-10'	ND
B1-15'	ND
B1-20'	ND
B1-30'	ND
B1-40'	ND
B2-5'	13
B2-10'	ND
B2-15'	ND
B2-20'	ND
B2-30'	ND
B2-40'	ND
Detection Limit	10

ND-Not Detected

Date Analyzed: 11-23-88

<b>SOIL CLASSIFICATION SYSTEM</b>					
<b>MAJOR DIVISIONS</b>			<b>TYPICAL NAMES</b>		
<b>COARSE GRAINED SOILS</b> MORE THAN HALF IS LARGER THAN #200 SIEVE	<b>GRAVELS</b>  MORE THAN HALF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE SIZE	CLEAN GRAVELS WITH LITTLE OR NO FINES	GW		WELL GRADED GRAVELS, GRAVEL - SAND MIXTURES
		GRAVELS WITH OVER 12% FINES	GP		POORLY GRADED GRAVELS, GRAVEL, GRAVEL - SAND MIXTURES
		GRAVELS WITH OVER 12% FINES	GM		SILTY GRAVELS, POORLY GRADED GRAVEL - SAND - SILT MIXTURES
			GC		CLAYEY GRAVELS, POORLY GRADED GRAVEL - SAND - CLAY MIXTURES
	<b>SANDS</b>  MORE THAN HALF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE	CLEAN SANDS WITH LITTLE OR NO FINES	SW		WELL GRADED SANDS, GRAVELLY SANDS
		CLEAN SANDS WITH LITTLE OR NO FINES	SP		POORLY GRADED SANDS, GRAVELLY SANDS
			SM		SILTY SANDS, POORLY GRADED SAND - SILT MIXTURES
		SANDS WITH OVER 12% FINES	SC		CLAYEY SANDS, POORLY GRADED SAND - CLAY MIXTURES
			<b>SILTS AND CLAYS</b>  LIQUID LIMIT LESS THAN 50	ML	
		CL			INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
<b>SILTS AND CLAYS</b>  LIQUID LIMIT GREATER THAN 50	OL		ORGANIC CLAYS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY		
	MH		INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS		
	CH		INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS		
	OH		ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS		
<b>HIGHLY ORGANIC SOILS</b>			PT		PEAT AND OTHER HIGHLY ORGANIC SOILS

DICE 01838



47895 Sky Park Circle, Suite E, Irvine, CA 92714  
Tel: 714/833-3667 • Fax: 714/833-3468

January 22, 1990

PROJECT REPORT

CLARIFIER

UNDERGROUND FUEL STORAGE TANK CLOSURE AT:

8832 Dice Road  
Santa Fe Springs, CA 90670

Closure Permit No. 6555B

Smrk  
2/15/90

Prepared for:

Liquid Air Corporation  
8832 Dice Road  
Santa Fe Springs, CA 90607

Submitted by:

AQUA SCIENCE ENGINEERS, INC.  
1666 Newport Blvd #116  
Costa Mesa, CA 92626

DICE 01839



17695 Sky Park Circle, Suite E, Irvine, CA 92714  
Tel 714/833-3667 • Fax 714/833-3468

January 22, 1990

PROJECT REPORT

UNDERGROUND FUEL STORAGE TANK CLOSURE AT:

8832 Dice Road  
Santa Fe Springs, CA 90670

For Aqua Science Engineers, Inc.:



*Mark T. Fator*

Mark T. Fator  
Project Manager

*David M. Schultz*

David M. Schultz, P.E.  
Vice President  
Field Operations

DICE 01840

Table of Contents

<u>Section</u>	<u>Page</u>
Introduction.....	1
Clarifier Cleaning.....	1
Soil Sampling.....	3
Excavation Backfill and Compaction.....	3
Chemical Analysis.....	3
List of Figures:	
Figure 1: Site Plan.....	2
List of Appendices:	
Appendix I: LACDPW Clarifier Closure Permit.....	5
Appendix II: Santa Fe Springs Building and Safety .....	7
Appendix III: Uniform Hazardous Waste Manifest.....	9
Appendix IV: Soil Sample Chain of Custody Document....	11
Appendix V: Laboratory Analysis Sheets.....	13-15

## INTRODUCTION

The following is a report on methods and findings of the concrete clarifier removal project conducted by Aqua Science Engineers at 8832 Dice Road, Santa Fe Springs, California. On December 27, 1989, a 2,000-gallon concrete clarifier used to store waste oil was cleaned and removed from the above location (removed on 1-3-90). The location of the clarifier, and plumbing is shown on the site plan (Figure 1). The type of product stored in the clarifier is also indicated on the site plan. A clarifier removal permit was secured with the Los Angeles County Department of Public Works and Santa Fe Springs Department Building and Safety prior to the clarifier removal (Appendix I & II).

The nearest Los Angeles County groundwater test well (#1623L) is located at the corner of Norwalk Blvd. and Perkins Ave.. It was last sampled on May 2, 1989. Depth to groundwater at this location was measured at 54.8 feet below grade.

## CLARIFIER CLEANING AND REMOVAL

On December 27, 1989, a 2,000-gallon concrete clarifier was exposed for cleaning at this site. The tank was then cleaned using a high-pressure water jet. Approximately 1375 gallons of tank rinsate was removed by vacuum tanker truck, manifested and disposed of as hazardous waste by Roadwest Oil and Vacuum Co., Inc. (CAT080029770). The disposal site was DeMenno / Kerdoon, Compton, California (CAT080013352). The Uniform Hazardous Waste Manifest appears in Appendix III.

The concrete clarifier was then carefully broken up using a backhoe. The concrete was then subsequently transported to a concrete disposal site and was used for road base material.

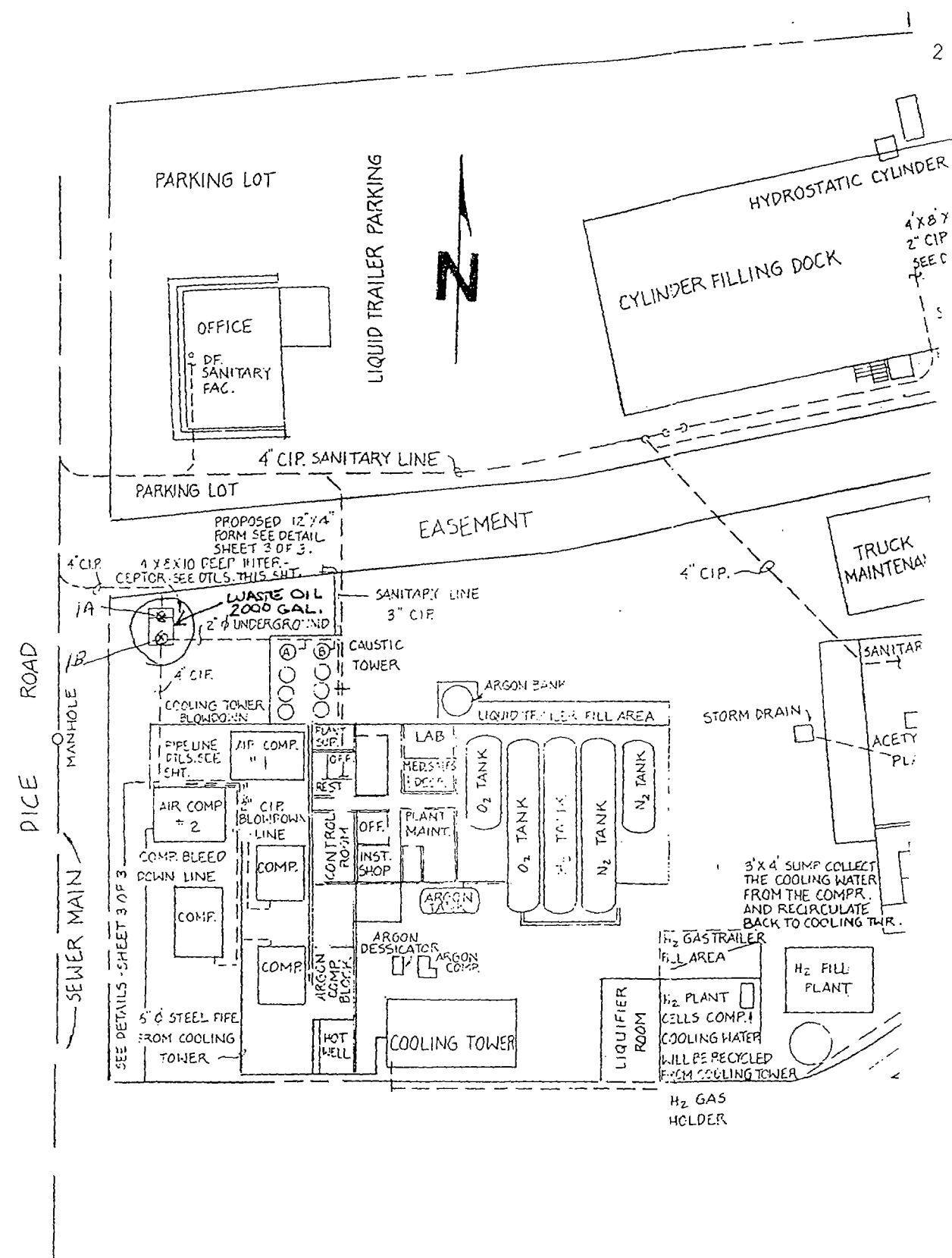
No petroleum odors were noted during the course of the excavation. Backfill soils around the clarifier was observed to be clean and dry. No odors or discoloration were noted in the soil from beneath the concrete clarifier.

## SOIL SAMPLE COLLECTION

Immediately following clarifier removal, two soil samples were collected from the native soil beneath the 2,000-gallon concrete clarifier. The sample from beneath the clarifier was collected with a backhoe, approximately two-foot below the ends of the clarifier, two feet in native soil and 12 feet below grade. The sample was then packed into a brass tube, tightly sealed and chilled immediately (1:00 PM, January 3, 1990).

The soil sample was immediately packed in ice and transported to Enseco-CRL, Garden Grove, California. A Chain-of-Custody document





FLOOR PLAN

SCALE 1" = 40'-0"

accompanied the sample submitted and appears as Appendix IV.

Soil sample was taken by a representative of Aqua Science Engineers trained and experienced in soil sampling protocol under the direct supervision of a registered civil engineer.

#### SOIL CLASSIFICATION / BACKFILLING

Backfill soil was classified as a light brown silty sand with little cohesion. The excavation was backfilled and compacted to approximately 90% of the maximum density. The excavation was backfilled and compacted after the soil samples were collected.

Native material around the tank pit to a depth of 10 feet below grade was classified as a light brown silty sand with a moderate amount of coarse, medium and fine gravel. Permeability of the soil is qualitatively estimated to be relatively high. Groundwater was not encountered during the excavation.

#### CHEMICAL ANALYSIS

The soil samples were analyzed using EPA test method 418.1 for detection of waste oil as total petroleum hydrocarbons (TPH) and EPA test 8020 for volatile aromatics.

The laboratory results indicate slightly detectable levels of petroleum hydrocarbons (Sample: 1A-6ppm, 1B-5ppm), and nondetectable levels of volatile aromatics in soil sample for modified EPA test method 8015 and 8020. The limit of detection for this test is 1ppm. Results of the test appear as Appendix V.

#### REMARKS / RECOMMENDATIONS

The total petroleum hydrocarbon and volatile aromatics concentrations discovered in all soil samples were basically nondetectable. This excavation was found to be clean of contamination by the standards set fourth by the Los Angeles County Department of Public Works.

Appendix I  
LACDPW Clarifier Closure Permit

APPLICATION FOR CLOSURE  
 HAZARDOUS MATERIALS UNDERGROUND STORAGE  
 COUNTY OF LOS ANGELES-DEPARTMENT OF PUBLIC WORKS  
 WASTE MANAGEMENT DIVISION  
 900 S. FREMONT AVENUE  
 ALHAMBRA, CALIFORNIA 91803-1331

Permit	6555	B	5
File	225	R/C	1H
Fee	\$ 141-		
Check	<input checked="" type="checkbox"/>	Cash	<input type="checkbox"/>

OWNER: Name LIQUID AIR CORPORATION Phone (213) 945-1383  
 Mailing Address 8832 DICE RD. City SANTA FE SPRINGS State CA Zip 90670

FACILITY:  
 Occupant Name LIQUID AIR CORPORATION Phone (213) 945-1383  
 Site Address 8832 DICE RD. City SANTA FE SPRINGS Zip 90670  
 Mailing Address " City " State " Zip "  
 Contact Person TOM BARBER Title MANAGER

CONTRACTOR , complete below: OWNER/OPERATOR AS CONTRACTOR   
 Name AQA SCIENCE ENG Phone (714) 833-3667  
 State License No. 487000 Class A

CLOSURE REQUESTED:  
 PERMANENT, TANK REMOVAL (See Conditions A and C Attached)  
 How many underground tanks will remain after this closure? 0  
 PERMANENT, CLOSURE IN PLACE (See Conditions A and D Attached)  
 TEMPORARY (See Conditions A and B Attached)

TANK DESCRIPTION:	PLOT PLAN ATTACHED <input type="checkbox"/>			EXISTING HMUSP NO. _____
Tank No.	Tank Mat'l	Age	Capacity	Materials Stored (Past/Present)
1	CONCRETE	7	2000	OIL (WASTE OIL)

COMPLETE THE FOLLOWING:

Has an unauthorized release ever occurred at this site?	<input type="checkbox"/>	YES	<input checked="" type="checkbox"/>	NO
Have structural repairs ever been made to these tanks?	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
Will new underground tanks be installed after closure?	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
Will any wells, including monitoring wells, be abandoned?	<input checked="" type="checkbox"/>		<input type="checkbox"/>	

NOTICE: CONTAMINATED TANKS AND RESIDUES THAT MAY BE LEFT IN TANKS TO BE CLOSED MAY BE A HAZARDOUS WASTE WHICH MUST BE TRANSPORTED AND DISPOSED OF PURSUANT TO CHAPTER 6.5, CALIFORNIA HEALTH & SAFETY CODE. FAILURE TO COMPLY MAY BE PROSECUTED AS A FELONY VIOLATION.

By signature below the applicant certifies that all statements and disclosures above are true and correct and that they have read and agree to abide by this permit and all conditions and limitations attached.

Applicant's Signature David M. Schultz Date 12-20-89  
 (Print Name) DAVID M. SCHULTZ Phone (714) 642-6307  
 Owner  Operator  Contractor

-----TO BE COMPLETED BY THE DEPARTMENT OF PUBLIC WORKS-----  
 PURSUANT TO SECTION 11.80.070B, LOS ANGELES COUNTY CODE, PERMISSION IS HEREBY GRANTED TO PROCEED WITH THE CLOSURE DESCRIBED ABOVE SUBJECT TO THE ATTACHED CONDITIONS AND LIMITATIONS [X]. THIS PERMIT EXPIRES 180 DAYS FROM THE DATE BELOW.

T.A. TIDEMANSON  
 Director of Public Works  
 DICE 01846

By Jeffrey Clow Date 12/20/89

Appendix II  
Santa Fe Springs Building and Safety

WORKERS' COMPENSATION DECLARATION

76A642D  
CE 808 (2-80)

APPLICATION FOR PERMIT  
SEWER-SEWAGE DISPOSAL

3

COUNTY OF LOS ANGELES

BUILDING AND SAFETY

I hereby affirm that I have a certificate of consent to self insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab. C.)  
Policy No. \_\_\_\_\_ Company \_\_\_\_\_

Certified copy is hereby furnished  
 Certified copy is filed with the county building inspection department  
Date: \_\_\_\_\_ Applicant: \_\_\_\_\_

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the work involved by the permit is for one hundred dollars (\$100) or less.)  
I certify that in the performance of the work for which this permit is issued I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws.  
Date: 12-26-89 Applicant: Mark J. Fator

NOTICE TO APPLICANT: If after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.  
License Number: 487000 Lic. Class: A  
Contractor: Aqua Science Eng. Date: 12-26-89

I am exempt from the licensing requirements as I am a licensed architect or a registered professional engineer acting in my professional capacity (Section 7051, Business and Professions Code).  
Lic. or Reg. No. \_\_\_\_\_ Date \_\_\_\_\_

HOME OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Section 7031.5, Business and Professions Code):

I, as owner of the property, will do the work and the structure is not intended or offered for sale (Section 7044, Business and Professions Code).

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.)  
Lender's Name \_\_\_\_\_

Lender's Address \_\_\_\_\_

I certify that I have read this application and state that the above information is correct. I agree to comply with all County ordinances and State laws regulating Plumbing and Sewers, and hereby authorize representatives of this County to enter upon the above-mentioned property for inspection purposes.

Mark J. Fator 12-26-89  
Signature of Permittee Date

FOR APPLICANT TO FILL IN		CONNECTION DATA	
BUILDING ADDRESS: <u>8832 DICE RD.</u>	STATION	DEPTH	UPPER LOWER
LOCALITY: <u>SANTA FE SPRINGS</u>	MANHOLE REFERENCE	TYPE OF CONNECTION	LENGTH FROM
NEAREST CROSS ST.: <u>TELEGRAPH RD.</u>			
OWNER: <u>LIQUID AIR CORPORATION</u>	MAIL ADDRESS: <u>8832 DICE RD.</u>	CO. IMP. NO.	JOB NO.
CITY: <u>SANTA FE SPRING</u> TEL. NO. <u>(213) 945-1383</u>	CITY: <u>IRVINE</u> TEL. NO. <u>(714) 833-3667</u>	TRUNK PERMIT NO.	ROAD PERMIT NO.
LEGAL DESCRIPTION LOT NO.	STATE ENCROACHMENT PERMIT NO.	AFFIDAVIT WAIVER EASEMENT RECORD INSTR. NO. DATE	
BLOCK TRACT	CHARGES	CONNECTION CHARGE FEE	
SIZE OF LOT	REIMBURSEMENT FEE	DISTRICT NO. GROUP MAP PG. PROCESSED BY	
USE OF BUILDINGS: <u>INDUSTRIAL CHEMICALS</u>	NO. OF BLDGS. NOW ON LOT	4.05	
CONTRACTOR: <u>AQUA SCIENCE ENG.</u>	DESCRIPTION OF WORK	VALIDATION	
ADDRESS: <u>8817895 SKY PARK CR.</u>	HOUSE SEWER CONNECTING TO PUBLIC SEWER	DATE	
CITY: <u>IRVINE</u> TEL. NO. <u>(714) 833-3667</u>	SEPTIC TANK, SEEPAGE PIT OR PITS AND/OR DRAINFIELD	BY	
STATE LICENSE NO. <u>487000</u> LIC. CLASS <u>A</u>	HOUSE SEWER CONNECTING TO PRIVATE DISPOSAL SYSTEM	FINAL DATE	
NO. _____	CONNECT ADDITIONAL BLDG. OR WORK TO HOUSE SEWER	FINAL BY	
DESCRIPTION OF WORK	OVERFLOW SEEPAGE PIT, DRAINFIELD, EXTN., CESSPOOL, DRYWELL, MANHOLE	SPECIAL INFORMATION ON REVERSE SIDE	
FEE	ALTER, REPAIR OR ABANDON HOUSE SEWER OR DISPOSAL SYSTEM	DICE 01848	
OWNER'S AUTHORIZATION	Permit Issuance <u>13.00</u>	21300A	
TOTAL FEE <u>27.00</u>		11.27.00	
I HAVE AT THIS DATE A CONTRACT WITH THE HEREIN NAMED CONTRACTOR TO CONNECT THE ABOVE DESCRIBED EXISTING DWELLING TO THE PUBLIC SEWER		12.26-89	
SIGNED THIS <u>26</u> DAY OF <u>DEC.</u> 19 <u>89</u>			
OWNER OR OWNER'S AGENT <u>Mark J. Fator</u>			
ADDRESS _____			

PERMITTEE COPY

SEE REVERSE FOR EXPLANATORY LANGUAGE

Appendix III  
Uniform Hazardous Waste Manifest

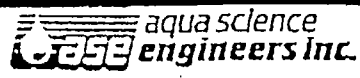




Appendix IV  
Soil Sample Chain of Custody Document

LA0295

17895 Sky Park Circle Suite E  
Irvine CA 92626



(714) 833-3667

Project Name: LIQUID AIR Site: SANTA FE SPRINGS Date Sampled: 1-3-90 Laboratory: ENSECO-CRL

Sample ID	Sample/Container Type	Analyze/ Hold	Analyze For:	Method - Detection Limit	Notes/Remarks
<u>1A</u>	<u>S/T</u>	<u>A</u>	<u>TPH + BTXE</u>	<u>418.1 + 8020</u>	<u>WASTE OIL</u>
<u>1B</u>	<u>S/T</u>	<u>A</u>	<u>" "</u>	<u>" "</u>	<u>" "</u>

S = Soil W = Water O = Other  
G = Glass BT = Brass Tube P = Plastic V = Vial Q = Other

Chain of Custody

1. Sampled by: Mark Jaton  
 2. Courier: Mark Jaton  
 3. Received by Lab: Julia Galisdean  
 Date: 1/4/90 Time: 9:02 am  
 4. Received in Office: Date: \_\_\_\_\_

- Collate all samples for single analysis.
- Collate and analyze two top samples and if clean, do not analyze other sample.
- Call ASE for instructions.
- See attached protocol.

DICE 01852

Appendix V  
Laboratory Analysis Sheets

**Enseco - CRL**

7440 Lincoln Way • Garden Grove, CA 92641  
(714) 898-6370 • (213) 598-0458 • (800) LAB-I-CRL  
FAX: (714) 891-5917

January 16, 1990

AQUA SCIENCE ENGINEERS, INC.  
17895 SKYPARK CIRCLE, SUITE E  
IRVINE, CA 92626  
ATTN: MR. MARK FATOR

Analysis No.: G-9000403-001/002  
Date Sampled: 3-JAN-1990  
Date Sample Rec'd: 4-JAN-1990  
Project: (LA0295) LIQUID AIR

Enclosed with this letter is the report on the chemical and physical analyses on the samples from ANALYSIS NO: G-9000403-001/002 shown above.

The samples were received by CRL in a chilled state, intact and with the chain-of-custody record attached.

Please note that ND( ) means not detected at the detection limit expressed within the parentheses.

Solid samples are reported on "as received" basis.

Preliminary data were provided on January 15, 1990 at 10:10 A.M.

  
Reviewed

  
Approved

DICE 01854

The Report Cover Letter is an integral part of this report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purposes without authorization is prohibited.

**Enseco - CRL**

7440 Lincoln Way • Garden Grove, CA 92641  
 (714) 898-6370 • (213) 598-0458 • (800) LAB-I-CRL  
 FAX: (714) 891-5917

**Laboratory Report**

AQUA SCIENCE ENGINEERS, INC.  
 17895 SKYPARK CIRCLE, SUITE E  
 IRVINE, CA 92626  
 ATTN: MR. MARK FATOR

Analysis No.: G-9000403-001/002  
 Date Sampled: 3-JAN-1990  
 Date Sample Rec'd: 4-JAN-1990  
 Date Analyzed: 10-JAN-1990  
 12-JAN-1990

Sample Type: SOLID

Project: (LA0295) LIQUID AIR

Sample ID	TPH	Benzene	Toluene	Ethylbenzene	Xylenes, Total
	Recoverable				
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	EPA 418.1	EPA 8020	EPA 8020	EPA 8020	EPA 8020
1A	6	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
1B	5	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Blank	ND(1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)

DICE 01855

The Report Cover Letter is an integral part of this report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purposes without authorization is prohibited.

**Enseco - CRL**

7440 Lincoln Way • Garden Grove, CA 92641  
 (714) 898-6370 • (213) 598-0458 • (800) LAB-1-CRL  
 FAX: (714) 891-5917

Laboratory Report

AQUA SCIENCE ENGINEERS, INC.  
 17895 SKYPARK CIRCLE, SUITE E  
 IRVINE, CA 92626  
 ATTN: MR. MARK FATOR  
 Project: (LA0295) LIQUID AIR

Analysis No.: G-9000403-001/002  
 Date Sampled: 3-JAN-1990  
 Date Sample Rec'd: 4-JAN-1990  
 Sample Type: SOLID

Laboratory Control Sample Report

Date	Parameter (Method)	Average Spike Recovery	Acceptable Range	Relative Percent Difference	Acceptable Range
10-JAN-1990	TPH RECOVERABLE (EPA 418.1)	104	70-117	5.	15
12-JAN-1990	TOLUENE (EPA 8020)	71	60-120	11.	40
12-JAN-1990	ETHYLBENZENE (EPA 8020)	70	60-120	10.	40
12-JAN-1990	XYLENES, TOTAL (EPA 8020)	65	60-120	11.	40

DICE 01856

The Report Cover Letter is an integral part of this report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purposes without authorization is prohibited.



AIR LIQUIDE

facsimile transmittal

8832 DICE ROAD  
SANTA FE SPRINGS  
CALIFORNIA 90670  
562 464-1215 PHONE  
562 693-1156 FAX

To: Donna Smith Fax: 713 402-2053  
From: Glynda Garcia Date: 10/10/07  
Re: \_\_\_\_\_ Pages: 35  
CC: \_\_\_\_\_

- Urgent
- For Review
- Please Comment
- Please Reply
- Please SEND CONFIRMATION

*Sent  
From:  
Annette B.*

AIR LIQUIDE AMERICA, L.P. Region Office • 8832 Dice Road, Santa Fe Springs, CA 90670-2516  
Phone (562) 945-1383 • Fax (562) 693-1156



DICE 01857



COUNTY OF LOS ANGELES  
DEPARTMENT OF PUBLIC WORKS

900 SOUTH FREMONT AVENUE  
ALHAMBRA, CALIFORNIA 91803-1311  
Telephone: (818) 458-5100

THOMAS A. TIDEMANSON, Director

ADDRESS ALL CORRESPONDENCE TO:  
P.O. BOX 1460  
ALHAMBRA, CALIFORNIA 91802-1460

January 9, 1989

IN REPLY PLEASE  
REFER TO FILE:

I-225-1H

Liquid Air Corp.  
8832 Dice Rd.  
Santa Fe Springs, CA 90670

Gentlemen:

HAZARDOUS MATERIAL UNDERGROUND STORAGE  
CLOSURE/SITE ASSESSMENT REPORT  
CLOSURE PERMIT NO. 4784B  
FACILITY LOCATION: 8832 Dice Rd.

This office has reviewed the closure report submitted on December 8, 1988  
for the subject facility.

In order to better evaluate the report, the information indicated on the  
attached Additional Closure Requirements sheet must be submitted to this office  
by March 8, 1989.

If you have any questions regarding this matter, please contact  
Mr. Paul Halter at (818) 458-3517.

Very truly yours,

T. A. TIDEMANSON  
Director of Public Works

By [Signature]  
Waste Management Division

Enc.

CC: George DeVries

CL207 Rev. 3/88

DICE 01858



Use For Any Proposed Capital Expenditure, Equipment Lease, or Extraordinary Expense

Location and Function: **Santa Fe Springs-Bulk Gases Distribution** Request No. **600-32-722** Amendment No.

Description: **Soil Boring Analyses and Report on Soil Contamination Near Diesel Fuel Dispenser**

<b>Category:</b> <input type="checkbox"/> Expansion <input type="checkbox"/> Cost Reduction <input type="checkbox"/> Replacement <input type="checkbox"/> Maintenance <input checked="" type="checkbox"/> Other <u>Regulatory LA</u>	<input type="checkbox"/> Budgeted <input checked="" type="checkbox"/> Not Budgeted	<b>For Home Office Finance</b> Commission Number _____ Commission Amount _____ Prior Requests _____ This Request _____ Commission Remaining _____
	Person Responsible for Project <b>H. Simon</b> <b>T. Barber</b>	
	Estimated Completion Time <b>11/30/88</b>	

County Rules

**Justification:** Show breakdown of purchases, other costs, costs to be expensed. Include specific description, present situation including deficiencies, and alternatives considered. Do not generalize. Attach pertinent schedules and details.

The request is for funds for two (2) soil borings (six samples per boring) to 40 feet below the surface of the diesel fuel dispensing pump island to determine the total recoverable petroleum hydrocarbon (TRPH) level in the soil. Although the soil underneath the diesel tank excavations analyzed clean, the soil around the pump dispenser analyzed at 805 and 6930 mg/kg TRPH (at 4 feet below grade) per attached CTX lab report dated 10/09/88. Since TRPH exceeded 100 mg/kg two, 40" borings as described above are ~~needed~~ **Required**.

ECM quote dated Nov. 04, 1988 \$ 4,800. (12 samples @ \$150 each for TRPH + 1 day geologist and drill rig and report) Remediation cost will be covered by separate ACE.

	1st Year	2nd Year	Future Years	TOTAL
Purchases To Be Capitalized				
Other Costs To Be Capitalized				
<b>Total Capital</b>				
Purchases To Be Expensed				
Other Costs To Be Expensed				
<b>Total Expense</b>				
<b>Total Project Cost</b>	<b>\$ 4,800.00</b>			
Trade-in or Disposal - Cash Value				
<b>Net Outlay</b>				

DICE 01859

Justification Prepared By: <b>H. Simon / T. Barber</b>	Date: <b>11/07/88</b>	Approval: <i>[Signature]</i>	Date: <b>11/11/88</b>
Approval: <i>[Signature]</i>	Date: <b>11/11/88</b>	Approval: <i>[Signature]</i>	Date: <b>11/11/88</b>
Approval: <i>[Signature]</i>	Date: <b>11/7/88</b>	Approval: <i>[Signature]</i>	Date: <b>11/7/88</b>

### ADDITIONAL CLOSURE REQUIREMENTS

The additional information or requirements checked below must be submitted to the Los Angeles County Department of Public Works, Waste Management Division, P.O. Box 1460, Alhambra, CA 91802-1460, in order to complete the evaluation of Closure Permit No. 4784B.

- Plot plan to scale showing locations of tanks, sampling points, buildings, adjacent streets and north arrow.
- Insufficient number of samples were obtained. Additional samples required in accordance with attached Closure Permit Requirements.
- Describe method of obtaining, handling, and/or transporting samples.
- Indicate time and date samples were obtained.
- Submit logs certified by a CA Registered Geologist, CA Certified Engineering Geologist, or CA Registered Civil Engineer with sufficient experience in soils for all borings.
- Submit chain-of-custody documentation initiated by person obtaining sample through person at DOHS certified laboratory.
- Disposal destination of tanks and evidence of legal disposal.
- Analysis results by a State certified laboratory shall be submitted on laboratory letterhead showing analysis date, methods of extraction and methods of analysis.
- Documentation as to depth of groundwater at facility.
- Manifests to document hazardous waste disposal of removed soil.
- Evidence of legal disposal of soils designated as nonhazardous.
- Signature on the report is required of CA Registered Geologist, CA Certified Engineering Geologist, or CA Registered Civil Engineer with sufficient experience in soils.
- Define the vertical and lateral extent of contamination.
- Propose a remedial action plan to mitigate contamination.
- Proposed future uses or improvements for the area related to the contamination.
- Other \_\_\_\_\_

CL207 Rev. 3/88

DICE 01860

**George DeVries**  
Consulting Geologist



Tom Bender :

Re-File

Santa Fe Springs

4520 E. Slauson Ave., Maywood, California 90270 — (213) 771-3046 / (213) 596-0467 Tank Removal

November 2, 1988

Project No. 231-108  
Closure Permit No. 4784  
L.A. County File No. 225-1H

County of Los Angeles  
Department of Public Works  
Waste Management Division  
900 S. Fremont Ave.  
Alhambra, CA 91803-1331

Subject: Geotechnical Evaluation and Review  
Subsurface Tank Removal  
Liquid Air Corp.  
8832 Dice Rd., Santa Fe Springs, CA  
for Whitaker Concrete Co.

Gentlemen,

This report presents the results of a geotechnical evaluation of the subsurface storage tank removal at the referenced site and a review of the work performed, and summary data presented by Whitaker Concrete Co. (WCC). A total of four (4) tanks were removed from the site on September 21, 1988 by WCC and transported for disposal. The tanks consisted of two (2) 7500-gallon diesel fuel tanks, one (1) 6200-gallon acetone tank, and one (1) 1000-gallon waste-oil tank. A summary of the work performed is presented in the appendix. Vicinity and site maps are presented in Plates 1 & 2. Upon removal of the tanks, selected soil samples were taken from below the tanks to assess the soil and determine if any potential contamination exists. The results of laboratory testing are presented in Plate 4, while the Chain of Custody Record is presented in Plate 5. Plate 6 presents copies of the tank and waste manifests. No subsurface logging was performed.

Prior to removal of the tanks, two borings were excavated in the vicinity of the acetone tank by Combustion Engineering. The borings were sampled and laboratory testing was performed. It is

DICE 01861

understood the results of the earlier investigation was submitted to the regulatory agency and no additional analysis of that data is presented in this report. As a result of the initial borings, soil samples from below the removed acetone tank were not required in the county permit.

#### SITE LOCATION AND GEOLOGY

The subject site is located on the east side of Dice Rd. south of the junction with Slauson Ave. in the City of Santa Fe Springs, Los Angeles County. The present elevation is approximately 150 feet above sea level. The site consists of predominantly alluvial basin fill deposits associated with ephemeral stream deposition within the L.A. basin. The present course of the San Gabriel River is located approximately 1.3 miles to the west. The alluvial materials are generally sandy and silty in nature, though some areas contain some clay and gravel.

Analysis of subsurface ground-water contour data on file with the County of Los Angeles indicate the ground-water level in the vicinity of the site to be on the order of 70 feet below the ground surface. No water was encountered in the excavation.

#### SOIL SAMPLING AND EVALUATION

Selected soil samples were obtained from the earth materials below the tanks. Sample location was chosen in a manner so as to provide the most complete coverage of the subsurface materials and to provide for a more complete evaluation of potential soil contamination. Special attention was given to geological conditions which may provide for accelerated downward movement of ground water. Sample locations are depicted in Plate 2. As mentioned earlier, samples were not required from below the acetone tank due the results of earlier borings excavated at the site by Combustion Engineering.

A total of seven (7) samples were taken from the earth materials in the vicinity of the removed tanks. Two samples each were taken from below the diesel fuel tanks, one sample was taken from below the waste-oil tank, and one sample each was taken from below each one of the pumps (Plate 2). The samples from below the tanks were taken approximately two feet below the tank bottom and the samples from below the pumps were taken approximately four feet below the pumps. The samples were placed in glass jars, sealed with tape, placed in ice to chill, and transported to Certified Testing Laboratories, Inc. for laboratory analysis. The samples were tested for Total Petroleum Hydrocarbons (TPH) using EPA method 418.1. The laboratory test results and the Chain of Custody Record are presented in the appendix (Plates 4 & 5).

DICE 01862

CONCLUSIONS

Review of the summary data presented by Whitaker Concrete Corp., Chain of Custody Record, and laboratory test results, indicate the amount of hydrocarbon contamination in some of the earth materials in the vicinity of the removed tanks to be in excess of the "action limit". The County of Los Angeles considers 100 mg/Kg to be an "action limit" where concentrations in excess of this limit may be considered contaminated. Specifically, test results from below both of the pumps indicate excess hydrocarbon contamination of the soil.

It is recommended that remedial action be taken to reduce the amount of hydrocarbon contamination in the earth materials in the vicinity of the pumps. A combination of: 1) removal and transport, and/or 2) aeration, and/or 3) biodegradation, is recommended, subject to approval by the County of Los Angeles. Sufficient data are not presently available to determine the total extent of contamination in the vicinity of the pumps and it is recommended that a site assessment be performed to determine the extent of any contamination and provide recommendations for possible remedial action at the site. Any future work is subject to approval by the Los Angeles County Department of Public Works. This work should be conducted in accordance with Federal, State, and Local regulations.

Laboratory test results from the soil below the removed tanks indicate the amount of TPH to be within the guidelines of the County of Los Angeles. No additional removal or treatment of the earth material below the removed tanks is deemed necessary.

REMARKS

This investigation was made in accordance with generally accepted geologic procedures and within the limits prescribed by the client. No other warranty, expressed or implied, is made as to the professional evaluation included in this report.

Although no significant variations in bedrock or soil conditions are anticipated, if conditions are encountered during future restoration work, and these conditions appear to be different from those disclosed by this preliminary report, this office shall be notified to consider the need for modification.

The backfill at the site was compacted using on-site equipment. While a relative degree of compaction can be obtained in this manner, the fill was not tested and does not qualify as a certified fill. Should this area be used in the future to support structural loads, steps should be taken to test and insure the competence of the fill.

DICE 01863

It should be realized that subsurface excavations are subject to caving and may present a hazard. In this regard, all shoring and bracing, if necessary, shall conform to current standards of the Industrial Accident Commission of the State of California and other public agencies having jurisdiction.

This report is subject to review by controlling public agencies having jurisdiction.

If you have any questions, please contact this office.

Respectfully submitted,



George DeVries  
Registered Geologist 3721

GD:ga

Distr: Addressee (1)  
Whitaker Concrete Co. (1)  
Liquid Air Corp. (1)

Attachments: Appendix A - Plates 1 thru 6

DICE 01864

**Appendix A**

**Vicinity Map**

**Site Map**

**Closure Summary**

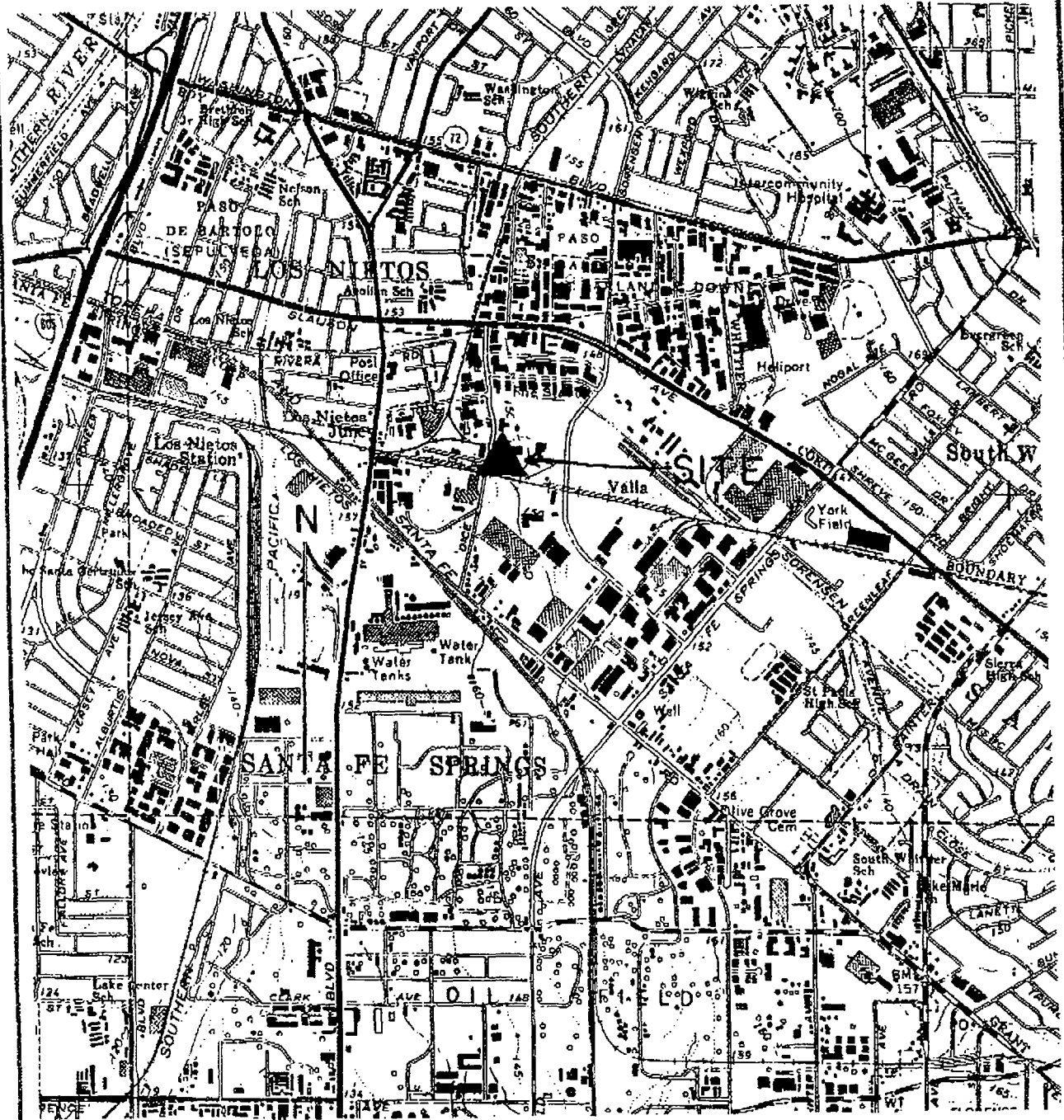
**Laboratory Test Results**

**Chain of Custody Record**

**Tank/Waste Manifests**

DICE 01865

VICINITY MAP



from USGS Whittier Quadrangle Map

SCALE 1:24,000

Liquid Air Corp.  
8832 Dice Rd.  
Santa Fe Springs, CA

DICE 01866

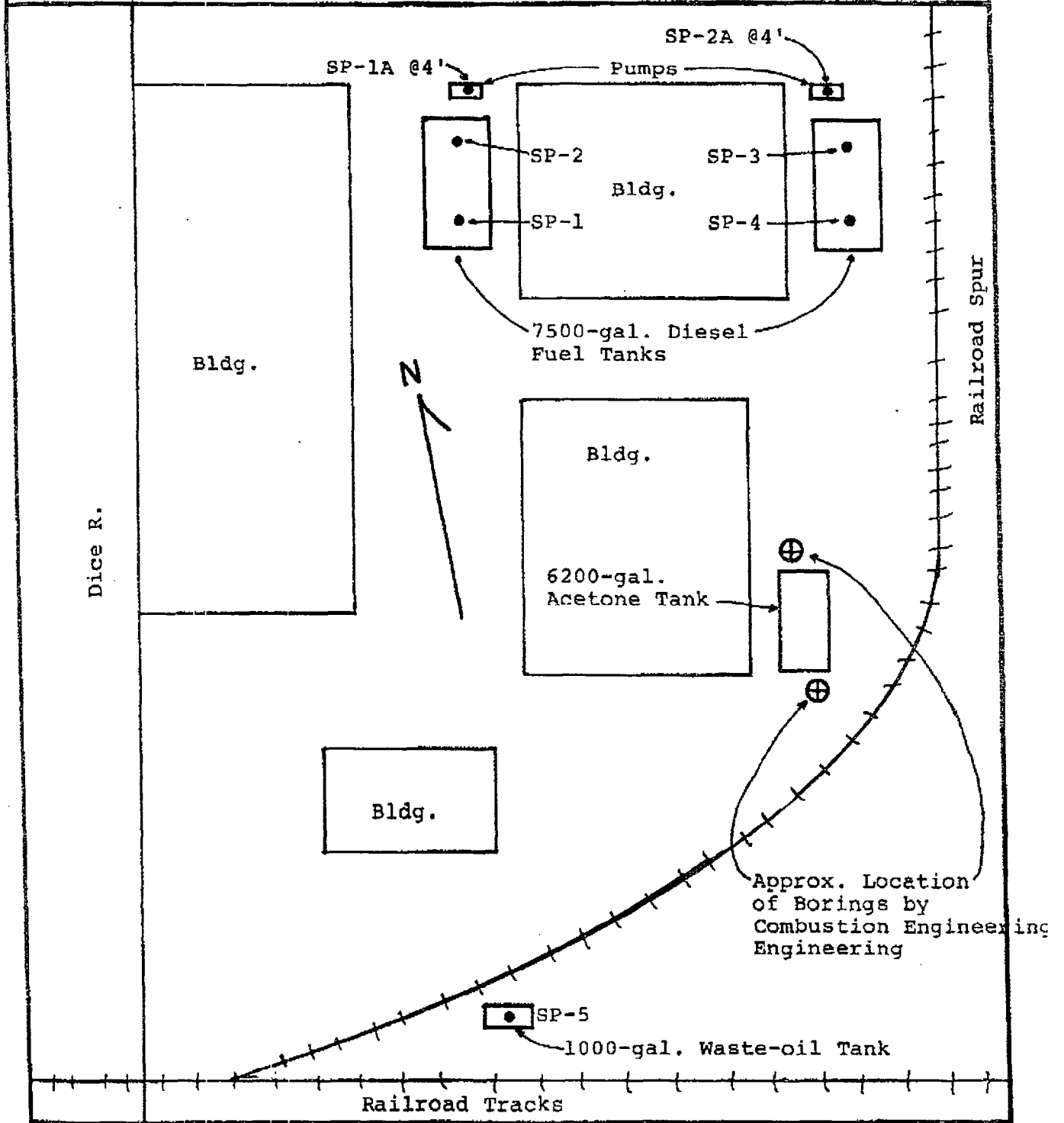
Proj. N<sup>o</sup> 231-108

Plate 1

George DeVries - Consulting Geologist



**SITE MAP**



Liquid Air Corp. 8632 Dice Rd. Santa Fe Springs, CA	DICE 01867	Proj. No 231-108
		Plate 2

**George DeVries - Consulting Geologist**

1996 PHASE I AND II ENVIRONMENTAL ASSESSMENTS

RE

EXCHANGE OF PROPERTY

BETWEEN

BARNARD/WITCO AND AIR LIQUIDE

10/98

DICE 01868



**ENVIRONMENTAL STRATEGIES CORPORATION**

11911 Freedom Drive • Reston, Virginia 20190 • (703) 709-6500 • Fax (703) 709-8505

**PHASE I ENVIRONMENTAL ASSESSMENT  
AND  
PHASE II ENVIRONMENTAL INVESTIGATION**

**WITCO CORPORATION  
NORTH PLANT – EAST  
SANTA FE SPRINGS, CALIFORNIA**

**PREPARED**

**BY**

**ENVIRONMENTAL STRATEGIES CORPORATION**

**SEPTEMBER 6, 1996**

**DICE 01869**

---

**Contents**

	Page
<b>Executive Summary</b>	1
<b>Introduction</b>	4
General	4
<b>Assessment of Environmental Risks at the Witco Corporation Facility, North Plant-East Located in Santa Fe Springs, California</b>	5
Site Description and History	5
Aerial Photographs and Sanborn Map Survey	6
Materials and Handling and Storage	6
Underground and Aboveground Tanks	7
Water, Wastewater and Storm Water	7
Asbestos	8
Polychlorinated Biphenyls	8
Regulatory Database Review	8
<b>Summary of Previous Subsurface Investigation Results</b>	10
Soil Sampling	10
Groundwater Sampling	11
<b>Areas of Concern</b>	12
<b>ESC Phase II Investigation</b>	14
Investigation Methodology	14
Utility Location	14
Soil Investigation	15
Groundwater Investigation	16
Site Geology and Hydrogeology	17
<b>Sample Evaluation Criteria</b>	19
Soil Sample Results	19
Groundwater Sample Results	19
<b>Conclusions</b>	21

---

**Contents**  
**(continued)**

**Figures:**

- Figure 1 - Site Location
- Figure 2 - Site Layout
- Figure 3 - Areas of Concern
- Figure 4 - Sample Locations

**Tables:**

- Table 1 - Summary of Soil and Groundwater Sample Activities
- Table 2 - Soil Data
- Table 3 - Groundwater Data

**Appendices:**

- Appendix A - Site Photographs
- Appendix B - Aerial Photographs
- Appendix C - Hazard Chemical List
- Appendix D - Tank Information
- Appendix E - Regulatory Database Search
- Appendix F - Chain-of-Custody
- Appendix G - Boring Logs and Well Construction Details
- Appendix H - Field Sampling Forms
- Appendix I - Laboratory Data

---

## Executive Summary

ESC conducted a Phase I environmental assessment and a Phase II investigation of the Witco North Plant-East facility in Santa Fe Springs, California. Witco manufactures fatty acids, glycerine, and fatty acid derivatives for use in various types of consumer products. The facility is in the process of closing.

Manufacturing operations have been conducted at the facility since the 1950s; however, Witco has only been operating at the site since 1988.

Historic aerial photographs of the site taken in 1953, 1970, 1986, 1990 and 1993 were reviewed by ESC. In the photograph taken in 1953, the site shows what appear to be residential buildings. The remaining photographs generally show the site as it exists today. No issues posing potential environmental concern were observed in the aerial photographs.

The primary raw materials used during manufacturing are zinc stearate, fatty acids, coconut oil, and glycerine. The raw materials are stored in aboveground bulk storage tanks.

Hazardous wastes generated at the facility include solids cleaned from the wastewater sumps and wastewater sludges. Hazardous wastes have been sent offsite for disposal since Witco acquired the property in 1988.

There are two empty and clean 10,000-gallon underground tanks that formerly contained methanol and there is a main underground sump for collection of wastewater and storm water. The wastewater/storm water go to a clarifier and microfiltration pretreatment system with sodium hypochlorite addition before permitted discharge to the Los Angeles County Sanitation District.

There are numerous aboveground tanks used to store raw materials, finished products, and other chemicals at the facility. There are currently 1400-1500 drums containing off-specification raw materials and products that are being stored pending proper disposal.

---

A formal asbestos survey has not been performed. Witco personnel indicated that there may be insulation on the esterification tower that contains asbestos materials.

Currently, there are no electrical transformers that contain polychlorinated biphenyls (PCBs) at the facility.

Witco is listed on federal and state environmental databases including Toxic Release Inventory System (TRIS), Emergency Response Notification System (ERNS), and Underground and Aboveground storage tanks (UST/AST). These listings do not indicate that Witco has adversely affected environmental conditions at the site in the area.

ESC also reviewed federal state and databases to determine the potential for the facility to be affected by releases from neighboring properties. Several sites north of Witco (upgradient) pose an environmental concern due to documented releases of chlorinated volatile organic compounds. These sites include Parker Hannifin Corporation, Western Screw Products, Cal Western Paint, Corp., and Pilot Chemical Company. The presence of the regional groundwater contamination was verified by ESC's Phase I investigation, which is discussed below.

ESC performed a Phase II investigation to assess potential environmental liabilities associated with six areas of concern (AOCs) identified during the Phase I investigation of the Witco North Plant-East, Santa Fe Springs, California, facility. ESC installed five soil borings and one temporary monitoring well, and collected a total of five soil samples and one groundwater sample within the AOCs identified.

The results of the Phase II investigation indicated that Witco's operations have not adversely affected soil quality. The temporary groundwater monitoring well (downgradient of facility operations) that was installed contained chlorinated volatile organic compounds (VOCs) above California Action Levels and federal maximum contaminant levels; however, there is considerable documented evidence of areawide groundwater contamination from upgradient sources and there is no evidence to suggest that Witco is a source of the VOC contamination.

DICE 01873

---

**ESC**

The results of both the Phase I and II investigation of the Areas of Concern indicate that no further investigative or remedial actions are necessary or warranted at the North Plant-East.



---

## Introduction

### General

A Phase I environmental assessment was conducted by Environmental Strategies Corporation (ESC) to identify existing and potential environmental liabilities at the Witco Corporation (Witco) facility, North Plant-East located in Santa Fe Springs, California. This Phase I investigation includes:

- a site inspection conducted on July 25, 1996 by Richard E. Freudenberger and Ashley W. Faddis of ESC with Jason C. Chai of Witco
- a review of available facility records
- a review of federal and state databases for sites within a one-mile radius of the facility
- a review of previously-conducted environmental work at the facility
- site photographs (Appendix A)

The Phase I results were used to identify areas of concern and recommend locations at the facility for a subsequent Phase II investigation.

Portions of this report are based on documents reviewed at the facility and on oral information provided by Mr. Al Nesheiwat, Corporate Environmental Manager, and Mr. Jason C. Chai, Health, Safety & Environmental Engineer of the Witco facility. This report is accurate to the best of ESC's knowledge and belief, and ESC has based the conclusions on the information supplied by Witco and the other sources described in this report.

---

**Assessment of Environmental Risks at the Witco Corporation Facility, North Plant - East, Located in Santa Fe Springs, California**

**Site Description and History**

The Witco facility is located at 8724 Dice Road in Santa Fe Springs, California (Figure 1). The North Plant-East occupies approximately ten acres in an industrial/commercial area of Santa Fe Springs. The facility is bordered to the north by Pilot Chemical Co., Flight Trucking, Inc., West Bent Bolt Co., Parker Fluid Power, and Williams Machine Co.; to the west by Talco Plastics Co. and T-Chem Products. To the south is Phibro-Tech, Inc., Liquid Air, Inc., Diversey Corp., Schnee-Morehead Chemicals, and Consolidated Disposal Services, Inc. To the northeast is Nicsan Engineering Co. and Earl Manufacturing Co. The nearest residences are approximately 0.5 mile northwest of the facility. There are large tracts of undeveloped land also owned by Witco located north and south of the manufacturing facility.

The property and surrounding area are relatively flat and the nearest surface water body, the San Gabriel River, is located approximately 1.25 miles west of the facility.

The facility was constructed by Process Chemicals in the 1950s. Emery Chemical purchased Process Chemicals in 1963 and Witco acquired the North Plant in 1988. Similar products to Witco's were manufactured by previous owners. This assessment was conducted on the North Plant-East property owned by Witco.

Currently, the facility consists of a warehouse; maintenance building and boiler room; about 20 aboveground storage and process vessels; a 50,000-gallon propane tank; a wastewater treatment system; and two underground storage tanks that formerly contained methanol. The site is entirely paved with undeveloped areas along the southern boundary near a railroad spur, and north of the property (Figure 2).

The facility is currently undergoing closure; it recently employed about 50 people and operated three shifts per day. The North Plant-East manufactures surfactants through oxidation and esterification. Finished intermediate products are exchanged with neighboring Witco operations (North Plant-West and

---

the South Plant) in Santa Fe Springs. The primary customers for Witco's intermediate product surfactants are cosmetic and cleaning agent companies.

#### Aerial Photographs and Sanborn Map Survey

Aerial photographs showing the facility in 1950, 1970, 1986, 1990, and 1993 were obtained. No Sanborn maps were available. The 1953 photograph shows what appear to be residential buildings on the site and currently undeveloped areas of the site. The 1970, 1986, 1990, and 1993 photographs show the facility and the undeveloped areas as they are today with little discernible changes from year-to-year. There is no visible evidence in the aerial photographs that suggests any environmental impacts from the site.

#### **Materials Handling and Storage**

A list of hazardous chemicals used at the North Plant-East is included as Appendix C and a list of chemical storage tanks is in Appendix D. The majority of the chemicals arrive in 55-gallon drums, tote bins (300 gallons), and tank trucks or railcars for storage in aboveground tanks. The primary raw materials (zinc stearate, fatty acids, coconut oil, glycerine) are mixed in low temperature and high temperature reaction vessels.

Three trucks including a tank trailer transport raw materials and products among the two neighboring Witco operations.

Non-RCRA hazardous wastes generated at North Plant-East include sludge from the wastewater treatment system. Witco's EPA ID No. is CAD008371627. Other non-hazardous wastes include normal refuse.

There are 1,400-1,500 drums containing off-specification raw materials and products currently stored at the North Plant-East. Witco is in the process of properly disposing of these drums in accordance with applicable regulations.

DICE 01877

---

**ESC**

---

### **Underground and Aboveground Tanks**

There are about 20 aboveground storage tanks and two empty and clean underground storage tanks that formerly contained methanol, each with capacities of 10,000 gallons (Appendix D). The 12 largest aboveground chemical storage tanks each has a capacity of 16,000-gallons and contain various materials. The remaining aboveground tanks have capacities less than 6,000 gallons.

### **Water, Wastewater and Storm Water**

Potable water is supplied by the city of Santa Fe Springs. Process wastewater is generated from the washdown of various process areas and rinsing of tanks. All storm water falling within the plant process areas is collected within berms that surround these areas. Wastewater and storm water are then collected within the North Plant-East through a system of trenches that convey the water to the main sump at the wastewater treatment system.

Wastewater and storm water are stored in a 160,000-gallon tank in an unpaved area at the northern boundary of the plant. The underground sewer line from the North Plant-West rises above the ground surface after it enters the North Plant-East and conveys wastewater and storm water to the wastewater pretreatment system on the North Plant-East facility. The primary constituents present in the wastewater from the North Plant-East include surfactants (methylene blue active substances {MBAS}), fatty acids, and zinc. Pretreatment consists of screening, settling, and adding sodium hypochlorite and is permitted by the Los Angeles County Sanitation District (LACSD). The wastewater from the treatment plant on the North Plant-East facility is discharged to the LACSD.

Storm water that falls within the western edge of the plant and outside the process areas is conveyed to the municipal storm sewer system along Dice Road.

---

### Asbestos

A formal asbestos survey has not been performed and Witco personnel indicated that insulation on the esterification tower within North Plant-East may contain asbestos-containing material (ACM). No pipe or spray-on insulation was observed during ESC's site visit. According to Witco personnel, any ACM on the existing boiler at the facility was removed during renovation. No report on this activity was available.

### Polychlorinated Biphenyls (PCBs)

According to Witco personnel, there is no electrical equipment or transformers within the North Plant-East that contain PCBs, with the possible exception of fluorescent light ballasts. Any transformers that may have contained PCBs were replaced by Southern California Edison in 1985-86.

### Regulatory Database Review

Federal and state databases, including the National Priorities List (NPL), Comprehensive Environmental Response, Compensation, and Liability Information system (CERCLIS), state equivalent CERCLIS list (SCL), RCRA Corrective Action Sites List (CORRACTS), Calsites Database (SPL), RCRA permitted treatment, storage, and disposal facilities (TSD), permitted solid waste landfills, incinerators, or transfer stations (SWLF), Toxic Release Inventory System (TRIS), sites which have violated RCRA regulations (RCRA Viol), Underground Storage Tank Registrations (UST), Aboveground Storage Tank Registrations (AST), Toxic Pits, Emergency Response Notification System (ERNS), Leaking Underground Storage Tanks (LUST), and Deed Restrictions were reviewed for the subject property and properties within a 1-mile radius of the site. The database information is included as Appendix E.

The Witco facility is listed under TRIS for reporting diethanolamine, ethylene glycol, ethylene oxide, and hydrochloric acid. Under the ERNS database, the facility is listed for a release of methanol to the land. The facility is also listed in the UST/AST databases for registered tanks. No releases of hazardous substances or petroleum were reported for the site in the LUST databases.

DICE 01879

---

**ESC**

---

There are over 30 sites listed under the various databases located within one mile of the site. One NPL site (Waste Disposal, Inc.) is located 0.53 mile west of the facility. Of the remaining sites, those that are north and, therefore, upgradient of the facility with respect to groundwater flow (see **Site Geology and Hydrogeology**), are discussed below.

Pilot Chemical Company is adjacent to the Witco site to the north and is listed on the CERCLIS, LUST, CORTESE, ERNS, TRIS, and UST/AST databases. Under CERCLIS, the site is listed as no further remedial action planned. Under LUST, Pilot Chemical has had leaks of diesel to the groundwater. In addition, ESC reviewed other files that indicate that Pilot Chemical is investigating groundwater contamination from chlorinated volatile organic compounds. Flight Trucking, located 0.03 mile north of the Witco property, is listed on the LUST database for a release of diesel fuel to soil. West Bent Bolt is 0.09 mile north of the subject site and is listed on CERCLIS as no further action planned, and on SCL and CORTESE for releases of pollutants including cyanides, household wastes, and unspecified sludge waste. Parker Hannifin Corporation, located 0.16 mile northeast of the subject site, is listed on TRIS for a release of 1,1,1 trichloroethane. Techni-Braze Inc., located 0.17 mile northeast of the Witco facility, is listed on SCL for a release of pollutants including gas scrubber waste, paint sludge, and phosphate sludge. Aerospace Rivet Manufacturing Corporation, located 0.18 mile north of the Witco property, is listed under TRIS for a release of sulfuric acid. Western Screw Products and Cal Western Paint Corp., located 0.24 mile north of the facility, are listed on CERCLIS as no further action planned and SCL. Western Screw appears to have had a release of halogenated solvents, and Cal Western Paint Corp. is listed for a release of latex waste and unspecified solvent mixtures.

It is possible that releases from the Pilot Chemical Company, Parker Hannifin Corporation, Western Screw Products, or Cal Western Paint Corp. may have adversely affected the condition of groundwater beneath the Witco site and have contributed to an areawide groundwater problem.

---

### Summary of Previous Subsurface Investigation Results

In December 1987, Woodward-Clyde Consultants conducted a soil and groundwater investigation at the Witco North Plant-East facility. A summary of Woodward-Clyde Consultant's investigation is provided below.

#### **Soil Sampling**

Woodward-Clyde Consultants collected 13 soil samples to assess whether historic operations have adversely affected soil quality at the site. Eleven of the samples were collected by hand augering to a depth of approximately one foot. Following this, a modified California sampler containing four brass tubes was placed in the hole and hammered to a depth of 15 to 20 inches, thus, collecting the soil samples beneath the augured hole. Two subsurface soil samples were collected near the site of a reported drum of chlorosulfonic acid and the underground methanol storage tanks, respectively. Drilling was accomplished using an 8-inch hollow stem auger. The boring near the underground drum extended to about 10 feet below ground surface (bgs), and the boring near the methanol tanks extended to about 20 feet bgs. Soil samples were collected as noted above.

Samples from each location were analyzed for pH and oil and grease using modified EPA Method 413.2. Two selected soil samples were also analyzed for total phenols using EPA Method 420.1 and one sample was analyzed for benzene, toluene, and xylenes (BTX) using EPA Method 8020.

The soil pH values ranged from 7.10 to 9.58 and oil and grease concentrations ranged from not detected to 540 mg/kg. The presence of oil and grease is likely due to releases of relatively non-toxic constituents, such as stearates, fatty acids, coconut oil, and glycerine as opposed to more toxic petroleum hydrocarbon compounds which are not used in large quantities at the facility. Concentrations of phenols and BTX were not detected.

DICE 01881

---

**ESC**

---

### Groundwater Sampling

One groundwater monitoring well was installed by Woodward-Clyde Consultants at the North Plant-East, upgradient of the chemical manufacturing and storage areas. The borehole for the monitoring well was drilled using a ten-inch outside diameter hollow stem auger. Organic concentrations of soil gas were measured for selected depths in the boring using an organic vapor analyzer (OVA). The boring was completed as a four-inch diameter monitoring well. Groundwater samples were collected and analyzed for pH, oil and grease, total phenols, BTX, and volatile organic compounds. Later, a second groundwater sample was collected and analyzed for semi-volatile organic compounds and total CAM metals (metals listed in the California Administrative Code, Title 22, Chapter 30, Section 66699).

The pH of the groundwater sample was 7.43 and the oil and grease concentration was 12.1 mg/l. There is no groundwater quality standard for oil and grease. Trichloroethene was detected at 28 ug/l, above the California Action Level (AL) and federal maximum contaminant level (MCL) of 5 µg/l. Tetrachloroethene was detected at 2 µg/l, below the California AL and MCL of 5 µg/l. The concentrations of CAM metals and semi-volatile organic compounds were all below applicable California Action Levels and federal MCLs.

The monitoring well installed by Woodward-Clyde was subsequently abandoned. No record of this activity was available.



---

### Areas of Concern (AOCs)

It is important to recognize that fatty acids are used in various types of consumer products, including foods for human consumption. According to the document **Dangerous Properties of Industrial Materials** (January 1979), no lethal concentration, carcinogen, toxic dose, or threshold limit values have been identified for fatty acids. In addition, fatty acids are not regulated as hazardous substances, hazardous wastes, or priority chemicals by the U.S. Environmental Protection Agency (EPA). The absence of data and regulations is likely due to the innocuous characteristics of fatty acid substances. Due to the absence of toxicity for fatty acids, one of the primary intermediates or products manufactured at the facility, ESC did not identify potential releases of fatty acids at the facility to be an area of environmental concern warranting investigation.

The Phase I environmental assessment conducted by ESC identified the areas of concern (AOCs) described below and shown on Figure 3.

#### **AOC 1 - Plant Sump**

Witco has a number of wastewater trenches which collect and distribute wastewater to a main sump. The main sump on the east side of the north plant is located adjacent to the wastewater treatment system. Since the sump is below ground and accepts all wastewater flow from both the North Plant-East and North Plant-West, the integrity of the sump must be considered.

#### **AOC 2 - Fatty Acid Area on East Side of Plant**

There is a trench and storage tanks containing fatty acids located on the south portion of the North Plant-East. During the site visit, the concrete pavement in this area was stained and pitted.

---

**AOC 3 - Unpaved Surface Surrounding Wastewater Storage Tank**

The wastewater storage tank is situated above an unpaved surface, thus, it is possible that leakage may have adversely affected soil in this area.

**AOC 4 - Zinc Stearate Area**

The concrete surface of the zinc stearate production and storage area was pitted and stained during ESC's site visit.

**AOC 5 - Stained Area East of Maintenance Building**

The concrete surface of the maintenance area where drums are stored was stained at the time of the site visit.

**AOC 6 - Groundwater**

The historic operations at the plant may have adversely affected groundwater quality south or southwest of the plant. As discussed in the **Site Geology and Hydrogeology** section of this report, this is the regional groundwater flow direction. In addition, the groundwater quality may have been adversely affected by offsite groundwater contamination.

---

### ESC Phase II Investigation

ESC performed a Phase II investigation on August 14, 15, 22, and 23, 1996 to assess the potential environmental liabilities associated with six AOCs identified during the Phase I assessment of the Witco facility.

The Phase II investigation consisted of hand auger investigations in five areas and installation and sampling of a temporary groundwater monitoring well. A summary of the soil and groundwater sampling activities performed during the Phase II investigation is provided in Table 1. The field methodologies and results of each task of work are described below.

#### **Investigation Methodology**

Activities performed for the ESC Phase II field investigation included: locating underground utilities near proposed drilling and hand auger locations; hand augering five soil borings and collecting undisturbed soil samples; and installing a temporary groundwater monitoring well and collecting a groundwater sample from the well.

#### Utility Location

The location of all buried utilities and underground objects near the proposed soil sampling and monitoring well locations was verified before drilling activities commenced. The proposed locations were marked by ESC with white spray paint and were initially cleared by Witco facility personnel.

Utilities near the proposed drilling locations were located by Spectrum ESI Urban Geophysics (Spectrum) of San Fernando, California. Spectrum used a variety of portable geophysical and line locating instruments to precisely locate and trace the path of buried utilities near the proposed drilling locations. Some sample locations were moved due to the close proximity of buried utilities near the originally proposed sampling locations. No underground objects were detected by Spectrum near the proposed drilling locations.

DICE 01885

---

**ESC**

---

### Soil Investigation

Before the soil borings could be hand augured, several locations required a concrete corer to access the underlying soils. A concrete coring machine was used to core a 4.5-inch diameter hole at all of the sample locations covered by concrete.

On August 14, 1996, five shallow soil borings were hand augured, sampled, and backfilled with the soil cuttings in the areas of concern at the facility (Figure 4). All borings were hand augured to one-foot bgs to six feet bgs and undisturbed soil samples were collected

The soil cuttings were also screened for volatile organic compound (VOC) content with a Thermo 580 B photo ionization detector (PID) equipped with a 10.6 electron volt lamp calibrated to benzene and isobutylene standards. The PID screening results indicated that no evidence of VOCs was present in any of the cuttings and bore holes.

The sampling equipment was decontaminated by scrubbing with a nonphosphate detergent followed by a double rinse of deionized, organic-free water. All decontamination water and drill cuttings generated during the soil boring activities were collected in clean 55-gallon steel drums and placed in a secure area at the facility.

Soil samples were collected immediately beneath the concrete or soil surface at a depth of one-foot below the ground surface (bgs). A two-inch split-spoon sampler fitted with a clean six-inch brass liner was used to collect the samples. After opening the sampler, the sample sleeve was removed and screened for organic vapors using the PID. Following PID screening, the ends of the brass liner containing the soil sample were immediately covered with teflon tape and capped with plastic endcaps. The sample sleeve was then labeled and placed in a cooler for later shipment to the analytical laboratory. Samples were shipped with chain-of-custody documentation, included in Appendix F.

After the hand augering and sampling were complete, each borehole was backfilled with the original soil cuttings. Each borehole was subsequently capped with concrete or native soil and finished to original grade.

One soil sample per boring was collected and submitted to the laboratory for chemical analysis. The five samples were analyzed for polycyclic hydrocarbons (PAHs) and VOCs by EPA Methods 8270 and 8260, respectively. Additionally, the sample from the zinc stearate production area was analyzed for total zinc. The soil samples were analyzed by IEA Laboratories of Cary, North Carolina, a California State certified laboratory.

#### Groundwater Investigation

On August 15, 1996, a hydraulically-driven sampling probe device was used to attempt to collect groundwater samples. Refusal was encountered at a very dense sand at approximately 6 to 18 feet bgs. Due to the dense sand formation beneath the site, the hydraulic sampling method was unable to reach saturated soils. Witco then requested that ESC drill and set a temporary well to collect groundwater samples. On August 22, 1996, ESC installed temporary well TW-3 to a depth of 55 feet bgs. West Hazmat Drilling of Anaheim, California drilled and installed the temporary well using a CME 75 drill rig equipped with seven-inch diameter hollow stem augers.

Cuttings were logged continuously for lithology during drilling using the U.S. Soil Conservation Service Unified Soil Classification System. Cuttings and the breathing zone around the well were also monitored for organic vapors using the PID. No VOCs were detected during the monitoring. Groundwater was first encountered between 40 and 50 feet bgs, and drilling continued approximately five feet beyond that point, to a medium coarse saturated sand zone.

TW-3 was completed as a one-inch diameter well using Schedule 40 PVC casing and screen. The screened section was five feet in length with 0.010-inch factory milled slots to help minimize siltation and turbidity. The well screen and blank casing were decontaminated using a steam cleaner before emplacement down the well borehole. A sand pack made up of #3 RMC Lonestar washed sand was placed in the annular space around the well screen to a height of five feet above the top of the well screen. The boring log and well construction details are provided in Appendix G. The downhole equipment was decontaminated by steam cleaning before and after the well construction activities. Soil cuttings and

---

rinsate water from the drilling operations were placed into clean 55-gallon steel drums. The drums were labeled and moved to a secure area. The well was abandoned once sufficient sample volume was recovered.

A tremie pipe was inserted into the open borehole adjacent to the temporary well casing. The well casing was pulled out of the borehole, and a bentonite slurry mix was pumped into the borehole through the tremie pipe.

Groundwater samples were collected from temporary well TW-3 on August 22, 1996. A copy of the field sampling form is provided in Appendix H.

The well was sampled with a clean disposable teflon bailer. Groundwater was transferred from the bailer into sample containers provided by the laboratory. The sample containers were labeled and placed in chilled coolers for transport to the analytical laboratory. The groundwater sample was collected for VOC analysis by EPA Method 8260 and for PAH analysis by EPA Method 8270. The sample was submitted to IEA Laboratories in Cary, North Carolina, for analysis.

#### Site Geology and Hydrogeology

The Witco site is located on upper Pleistocene alluvium of the Lakewood formation. The Lakewood formation overlies the lower Pleistocene San Pedro Formation, the Pliocene Pico and Repetto Formations, and the Miocene Puente Formation.

The surface of the site is located on the Bellflower Aquiclude, which is approximately 10 to 15 feet thick and consists of clays, silt, silty clays, and sandy clays. The Gage aquifer underlies the Bellflower aquiclude to a depth of 30 to 35 feet. Below the Gage, a second aquiclude exists to a depth of 50 feet. This aquiclude separates the Gage from the Hollydale aquifer. The Hollydale aquifer contains the first water beneath the site. This portion of the aquifer beneath the site, consisted of a dark brownish red medium to coarse grained sand. The sands were saturated, well sorted, and contained traces of gravels.

DICE 01888

---

**ESC**

---

The general regional flow of groundwater in the area is in a south to southwest direction. Depth to first groundwater is approximately 50 feet beneath the site. The static water level is approximately 35 feet below ground surface.

---

### Sample Evaluation Criteria

The Phase II investigation was performed by ESC, on behalf of Witco, as a voluntary investigation. ESC evaluated the analytical data by comparing the data to relevant and appropriate California and federal standards and guidelines.

The soil analytical data for VOCs and PAHs are compared to the EPA Region IX Preliminary Remediation Goals (PRGs) 1996. Groundwater analytical results are compared to the California Action ALs and the MCLs.

#### Soil Sample Results

The analytical results for VOCs and PAHs' are summarized in Table 2. The laboratory analytical report and quality assurance review are included as Appendix I.

No PAHs were detected in any of the soil samples collected in the North Plant-East facility. Trace levels of acetone that are considered negligible (all less than 15 ug/kg) were detected in two of the five samples. No other VOCs were detected in any of the soil samples. Zinc was detected at 67.3 µg/kg in the sample from the zinc stearate production area. All detected levels of PAHs, VOCs, and zinc are below the PRGs.

#### Groundwater Sample Results

The groundwater analytical results are summarized in Table 3. No PAHs were detected in the groundwater samples collected from temporary well TW-3. Three VOCs, 1,1-dichloroethene (1,1-DCE), tetrachloroethene (PCE), and trichloroethene (TCE), were detected at concentrations of 5 µg/l, 31 µg/l, and 7 µg/l. The PCE and TCE concentrations were above the California ALs and MCLs of 5 µg/l for both compounds in the sample from TW-3. TW-3 is considered a downgradient well. Previous sampling in

DICE 01890

---

**ESC**



---

1987 by Woodward-Clyde of a monitoring well upgradient of Witco's facility operations (see page 9 of this report) also revealed significant concentrations of TCE. Although VOCs exceed California ALs and MCLs, there are sources upgradient of Witco that were identified in the database search which are known to have contributed to an areawide groundwater contamination problem with VOCs. Witco has not used chlorinated solvents in manufacturing and there is no evidence that Witco's operations are a source of the VOCs detected in the samples collected from beneath the facility.

---

## Conclusions

The Phase I environmental assessment and Phase II environmental investigation conducted by ESC identified the following areas of concern at the Witco North Plant-East facility in Santa Fe Springs, California.

### **Areas of Concern 1 - Plant Sump**

Witco has a number of wastewater trenches which collect and distribute wastewater to a main sump. The one sump on the east side of the north plan is located adjacent to the wastewater treatment system. Since the sump is below ground and accepts all wastewater flow from both the North Plant-East and North Plant-West, the integrity of the sump must be considered.

ESC collected a soil sample from this area and found no detectable levels of VOCs or PAHs. Thus, this area does not pose a concern and no remediation is warranted.

### **Areas of Concern 2 - Fatty Acid Area on East Side of Plant**

There is an area which has a trench and storage tanks containing fatty acids. During the site visit, the concrete pavement in this area was stained and pitted.

ESC collected a soil sample from this area and found no detectable VOCs (except a trace of acetone) or PAHs. Thus, this area does not pose a concern and no remediation is warranted.

### **Areas of Concern 3 - Unpaved Surface Surrounding Wastewater Storage Tank**

Because the wastewater storage tank is situated above an unpaved surface, it is possible that leakage may have adversely affected soil in this area.

ESC collected a soil sample adjacent to the wastewater storage tank and found no detectable VOCs and PAHs. Thus, this area does not pose a concern and no remediation is warranted.

### **Areas of Concern 4 - Zinc Stearate Area**

During the site visit, the zinc stearate production and storage area with pitted and stained concrete was observed.

DICE 01892

---

**ESC**

---

ESC collected a soil sample in this area and found no detectable VOCs (except a trace of acetone) or PAHs and an extremely low zinc concentration. Thus, this area does not pose a concern and no remediation is warranted.

#### **Areas of Concern 5 - Stained Area East of Maintenance Building**

The concrete surface of the maintenance area where drums are stored was stained at the time of the site visit.

ESC collected a soil sample in this area and found no detectable VOCs or PAHs. Thus, this area does not pose a concern and no remediation is warranted.

#### **Areas of Concern 6 - Groundwater**

The historic operations at the plant may adversely affected groundwater quality south or southwest of the plant. As discussed in the **Site Geology and Hydrogeology** section of this report, this is the regional groundwater flow direction.

ESC installed a temporary groundwater monitoring well and found no detectable PAHs. Several chlorinated VOCs were detected above California ALs and MCLs, but there is documented evidence of areawide groundwater contamination from upgradient sources and no evidence to suggest that Witco is a source of these contaminants.

The results of the Phase II investigation of the AOCs indicate that no further investigation or remedial activities are necessary or warranted at the North Plant-East.

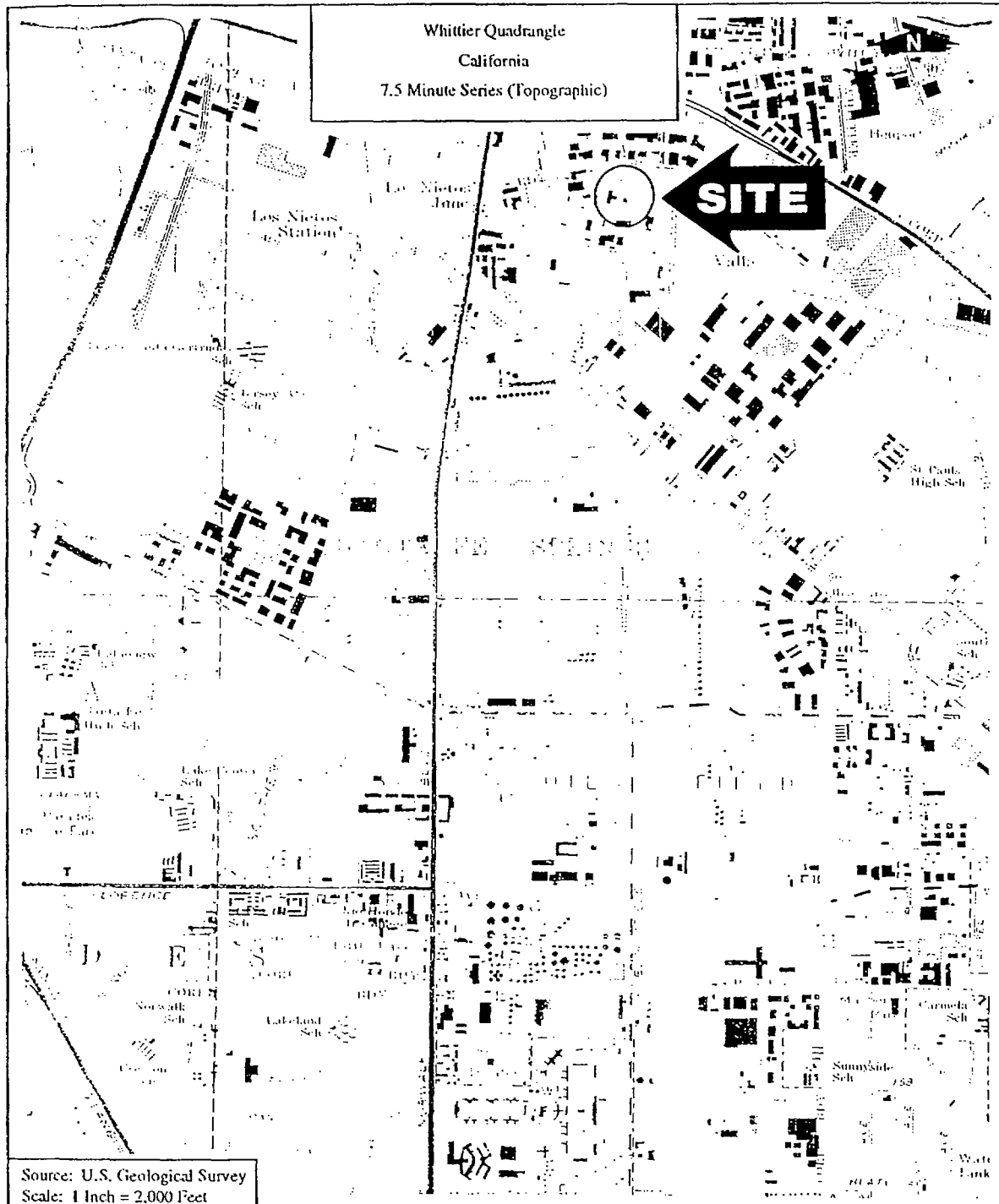
---

**Figures**

DICE 01894

---

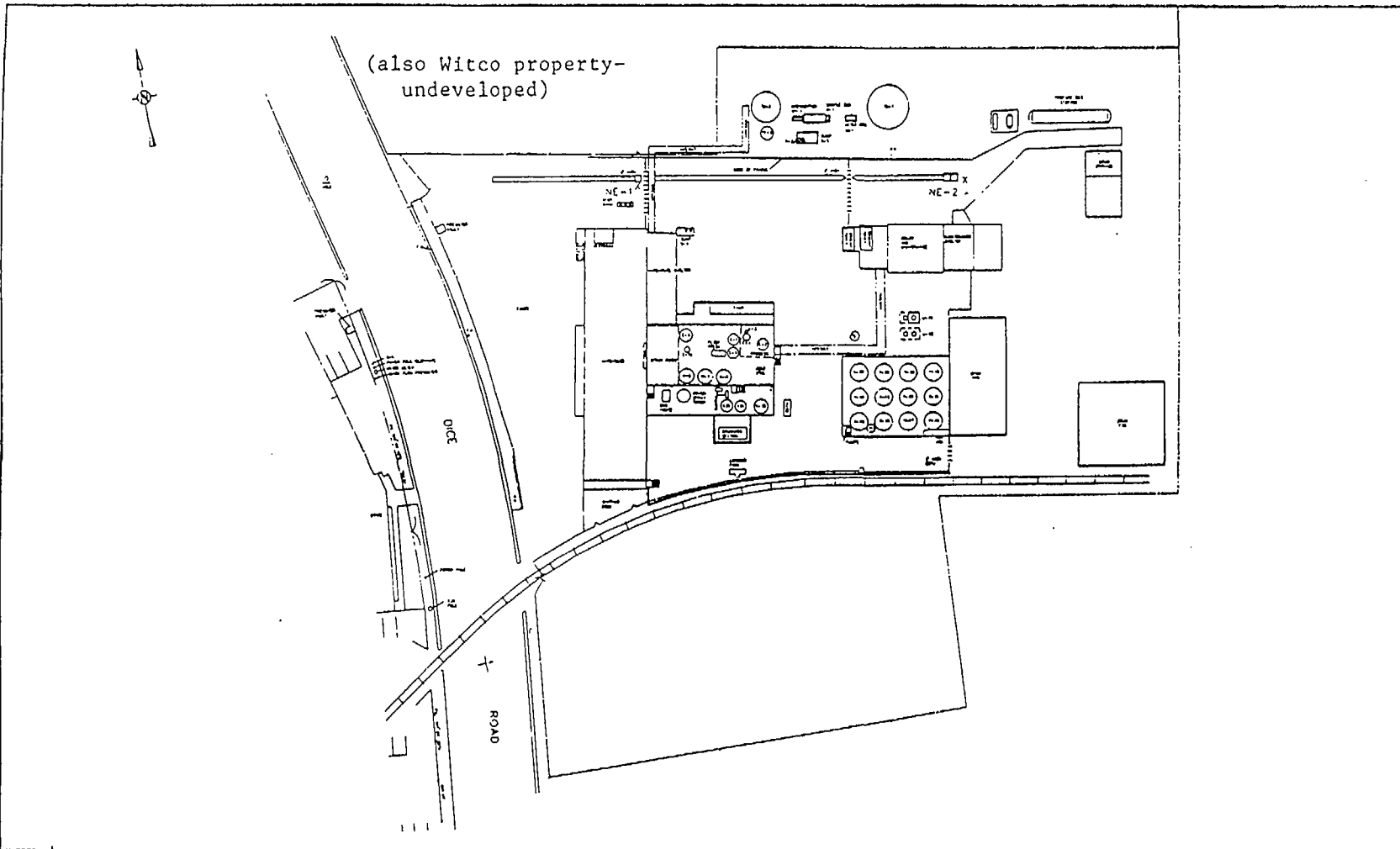
**ESC**



Source: U.S. Geological Survey  
Scale: 1 Inch = 2,000 Feet

**ENVIRONMENTAL STRATEGIES CORPORATION**  
 101 Metro Drive, Suite 650  
 San Jose, California 95110  
 (408) 453-6100

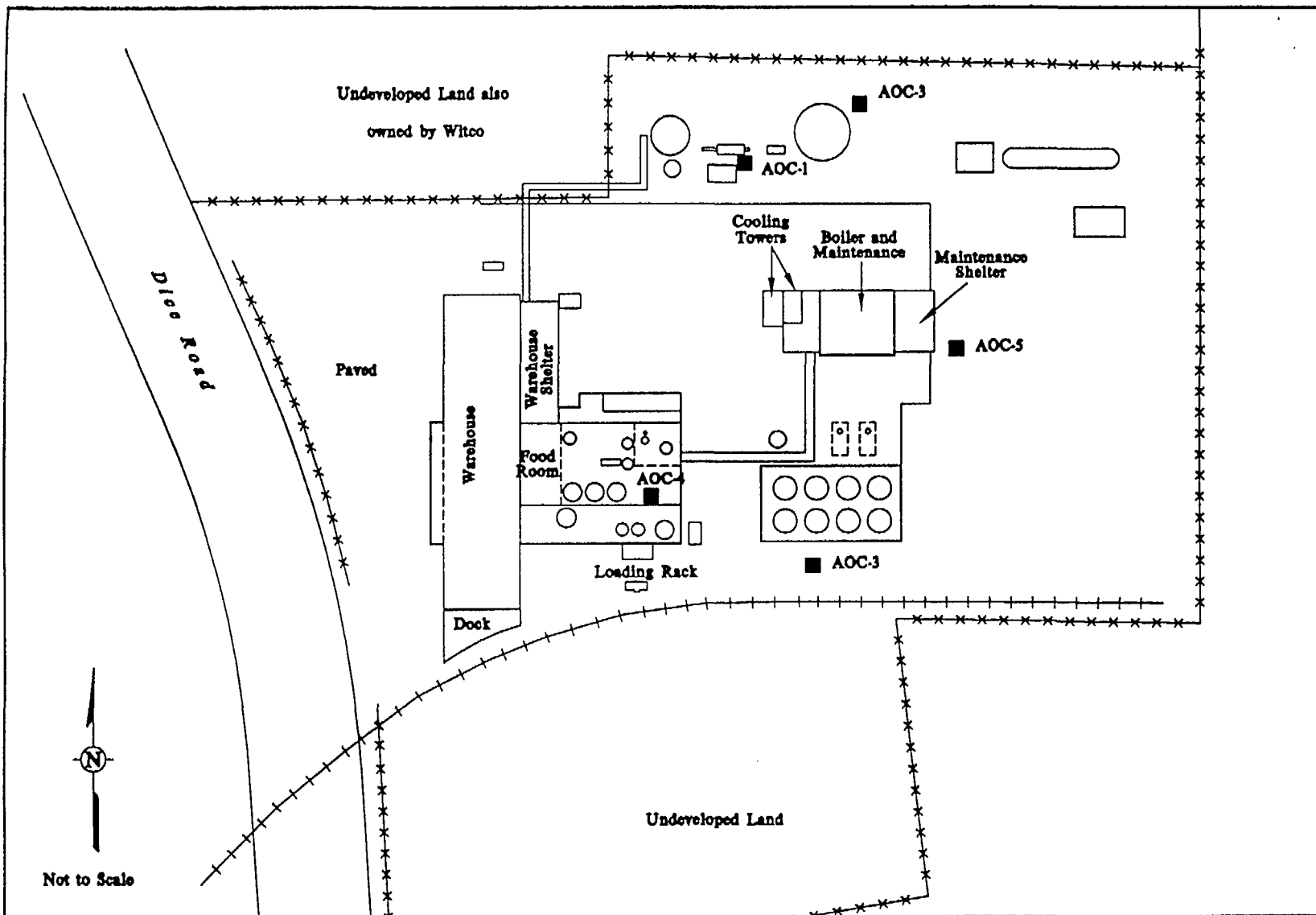
Figure 1  
 Site Location  
 Witco Corporation - North Plant - East  
 Santa Fe Springs, California



ENVIRONMENTAL STRATEGIES CORPORATION

101 Metro Drive Suite 650  
 San Jose, California 95110  
 408-453-6100

Figure 2  
 Site Layout - North Plant - East  
 Witco Corporation  
 Santa Fe Springs, California



DICE 01897

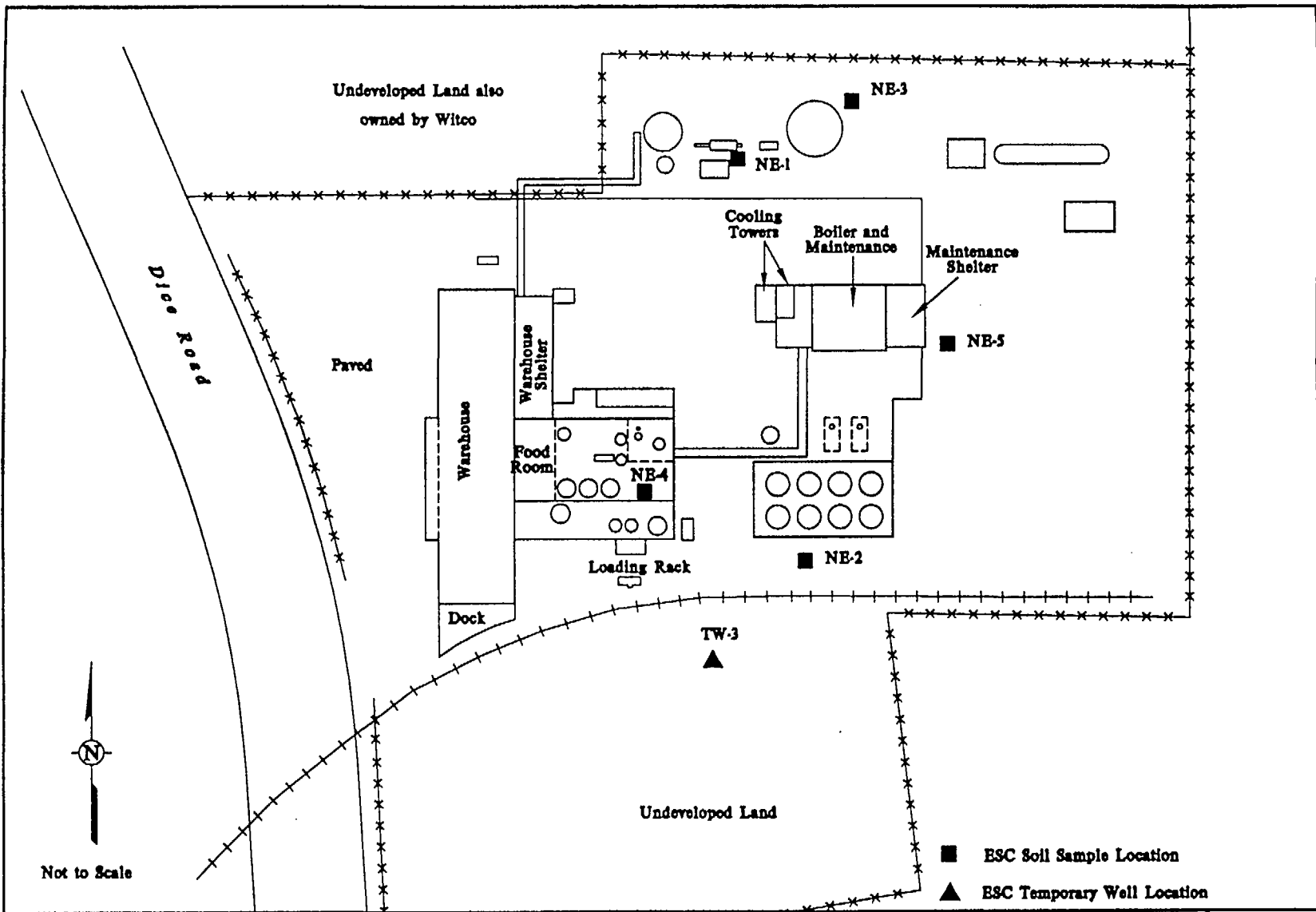


**ENVIRONMENTAL STRATEGIES CORPORATION**

11911 Freedom Drive Suite 900  
 Reston, Virginia 22090  
 703-709-6500

**Figure 3**  
**Areas of Concern - North Plant - East**  
**Witco Corporation**  
**Santa Fe Springs, California**

WIT07A.DWG



DICE 01898

**ENVIRONMENTAL STRATEGIES CORPORATION**  
 11911 Freedom Drive Suite 900  
 Reston, Virginia 22090  
 703-709-6500

**Figure 4**  
 Sample Locations - North Plant - East  
 Witco Corporation  
 Santa Fe Springs, California

WIT057.DWG



---

Tables

---

**ESC**

DICE 01899

Table 1  
**Summary of Soil and Groundwater Sampling Activities**  
**Witco Corporation Facility**  
**Santa Fe Springs, California**

<u>Location</u>	<u>AOC</u>	<u>Media Sampled</u>	<u>Sample Number</u>	<u>Sample Depth (ft)</u>	<u>Sampling Method</u>	<u>Analytical Parameters</u>
NE-1	North Plant-East	Soil	NE-1-6	6'	Hand Auger	VOCs, PAHs
NE-2	North Plant-East	Soil	NE-2-6	6'	Hand Auger	VOCs, PAHs
NE-3	North Plant-East	Soil	NE-3-1	1'	Hand Auger	VOCs, PAHs
NE-4	North Plant-East	Soil	NE-4-2	2'	Hand Auger	VOCs, PAHs, Zinc
NE-5	North Plant-East	Soil	NE-5-1	1'	Hand Auger	VOCs, PAHs
TW-3	North Plant-East	Groundwater	TW-3		Bailer	VOCs, PAHs

**Table 2**  
**Soil Analytical Results**  
**Semi-Volatile Organic Compounds**  
**Witco Corporation - North Plant-East**  
**Santa Fe Springs, California**  
**August 1996**

Sample Location Depth	NE-1 (6')	NE-2 (1')	NE-3 (1')	NE-4 (2')	NE-5 (1')
<b>Compound</b>					
<b>Semi-Volatile Organics (ug/kg)</b>					
Naphthalene	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND
Flouorene	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND
Benzo(a) anthracene	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND
Benzo (b) fluoranthene	ND	ND	ND	ND	ND
Benzo (k) fluoranthene	ND	ND	ND	ND	ND
Benzo (a) pyrene	ND	ND	ND	ND	ND
Indeno (1,2,3-cd) pyrenee	ND	ND	ND	ND	ND
Dinbenz (a,h) anthracene	ND	ND	ND	ND	ND
Benzo (g,h,i) perylene	ND	ND	ND	ND	ND

DICE 01901

**Table 2**  
 (continued)  
**Soil Analytical Results**  
**Volatile Organic Compounds**  
**Witco Corporation - North Plant-East**  
**Santa Fe Springs, California**  
**August 1996**

Sample Location Depth (ft)	NE-1 (6')	NE-2 (1')	NE-3 (1')	NE-4 (2')	NE-5 (1')
<b>Compound</b>					
<b>Volatile Organics (ug/kg)</b>					
Acetone	ND	15 JB	ND	13 JB	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND

DICE 01902

Table 2  
(continued)  
Soil Analytical Results  
Zinc

Witco Corporation - North Plant-East  
Santa Fe Springs, California  
August 1996

Compound	Sample Location Depth (ft)	NE-4 2'
Zinc (ug/kg)		
Zinc		67.3

DICE 01903

**Table 3**  
**Groundwater Analytical Results**  
**Volatile Organic Compounds**  
**Witco Corporation - North Plant-East**  
**Santa Fe Springs, California**  
**August 1996**

Sample Location	TW-3
<b>Compound</b>	
<b>Volatile Organics (ug/kg)</b>	
Acetone	ND
1,1-Dichloroethene	5
Tetrachloroethene	30
Toluene	ND
Trichloroethene	7

**NOTE: NO SEMI-VOLATILE ORGANIC COMPOUNDS WERE DETECTED.**

DICE 01904

---

Appendix A - Site Photographs

---

**ESC**

DICE 01905



Photo 1: Stained area east of maintenance building.  
Witco Corporation, North Plant-East, Santa Fe Springs, California

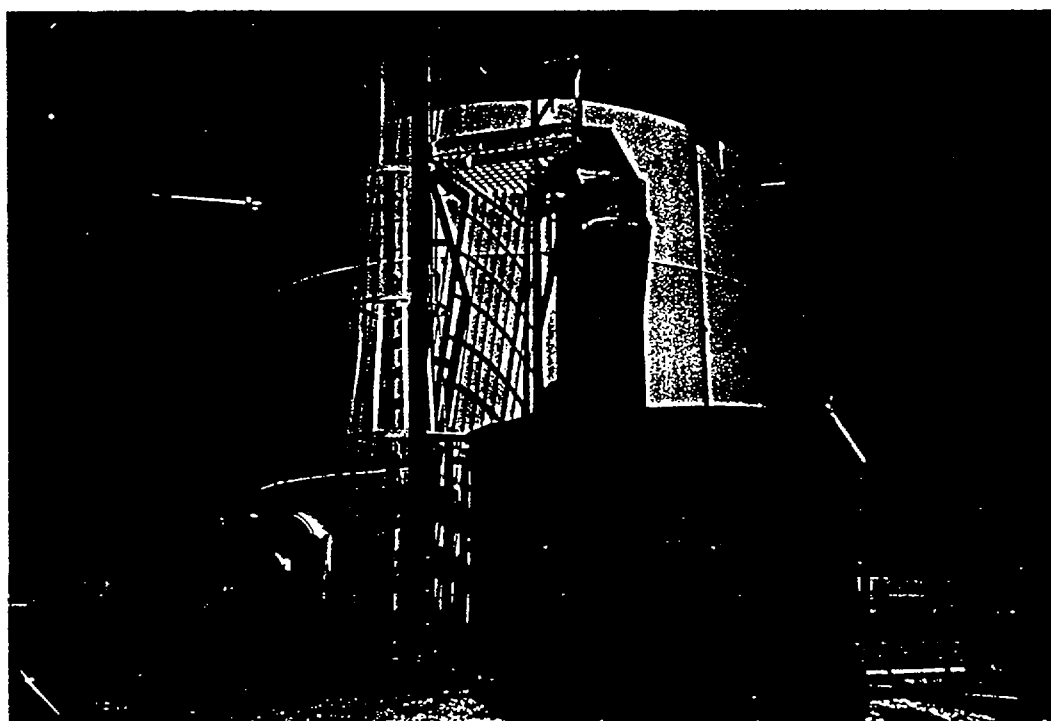


Photo 2: Aboveground wastewater storage tank.  
Witco Corporation, North Plant-East, Santa Fe Springs, California





Photo 3: Drums with off-specification materials pending disposal.  
Witco Corporation, North Plant-East, Santa Fe Springs, California

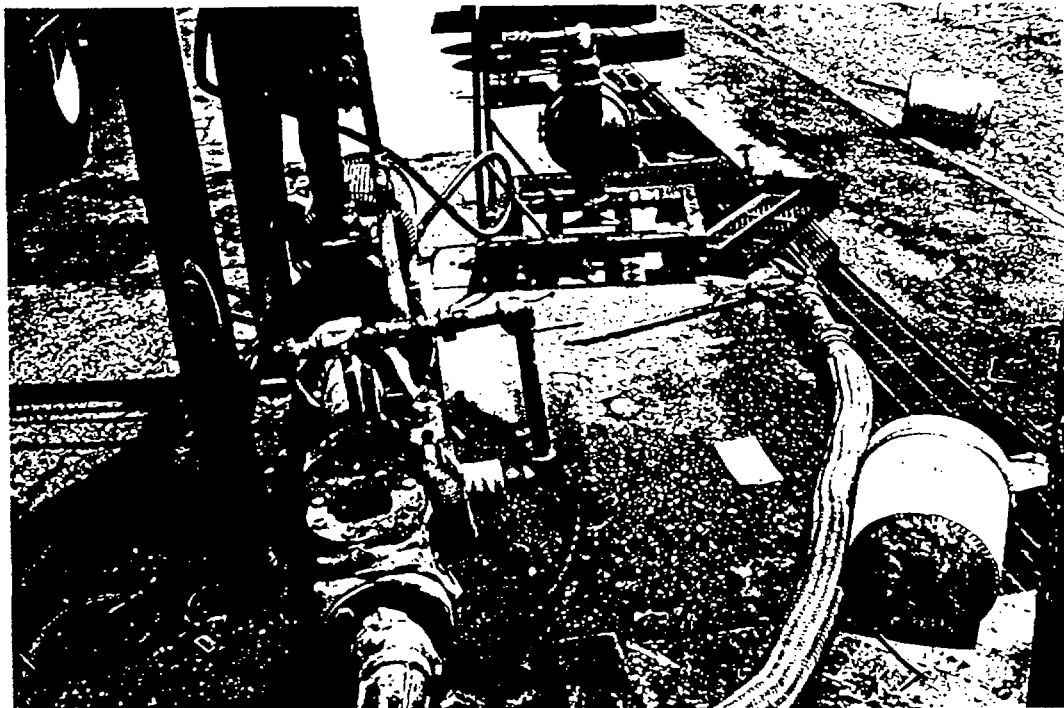


Photo 4: Sump and trenches near fatty acid area.  
Witco Corporation, North Plant-East, Santa Fe Springs, California

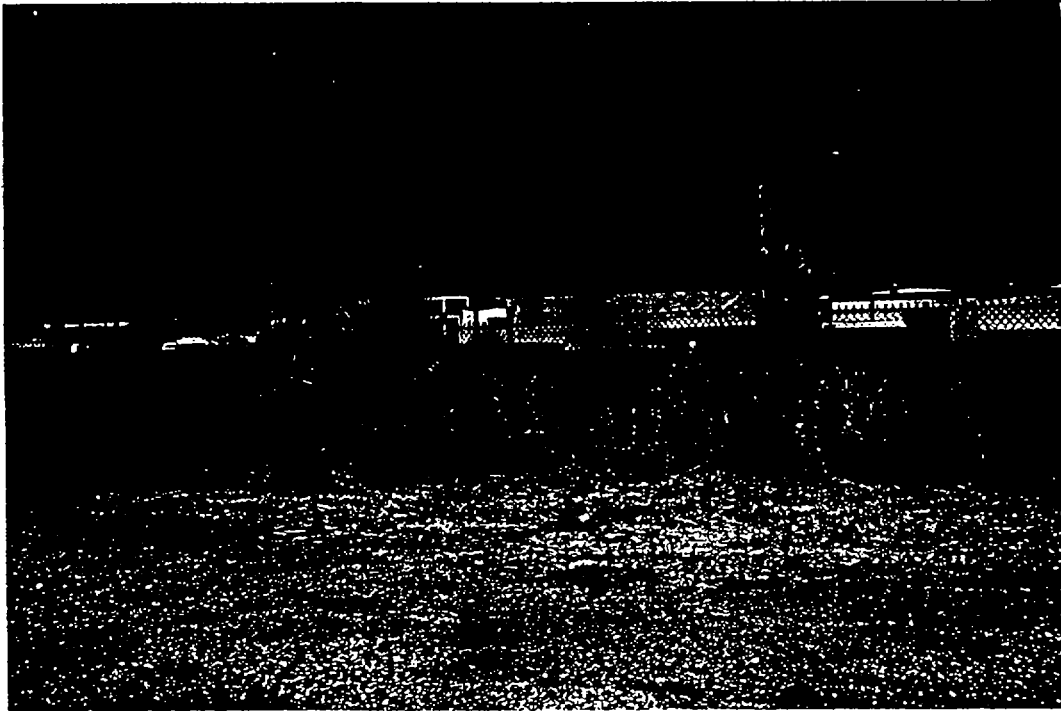


Photo 5: View of undeveloped parcel owned by Witco, north of plant area.  
Witco Corporation, North Plant-East, Santa Fe Springs, California

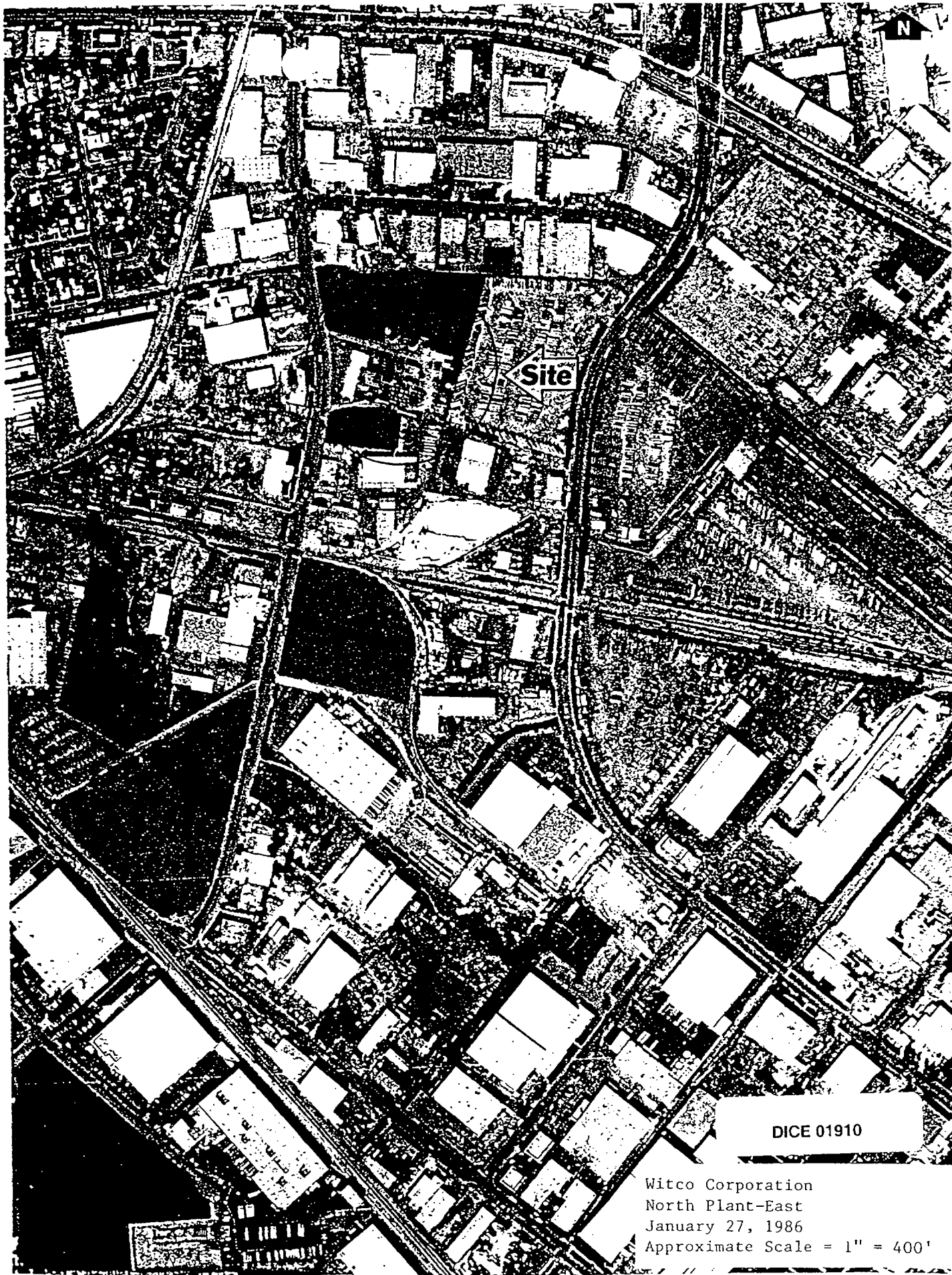
---

Appendix B - Aerial Photographs

DICE 01909

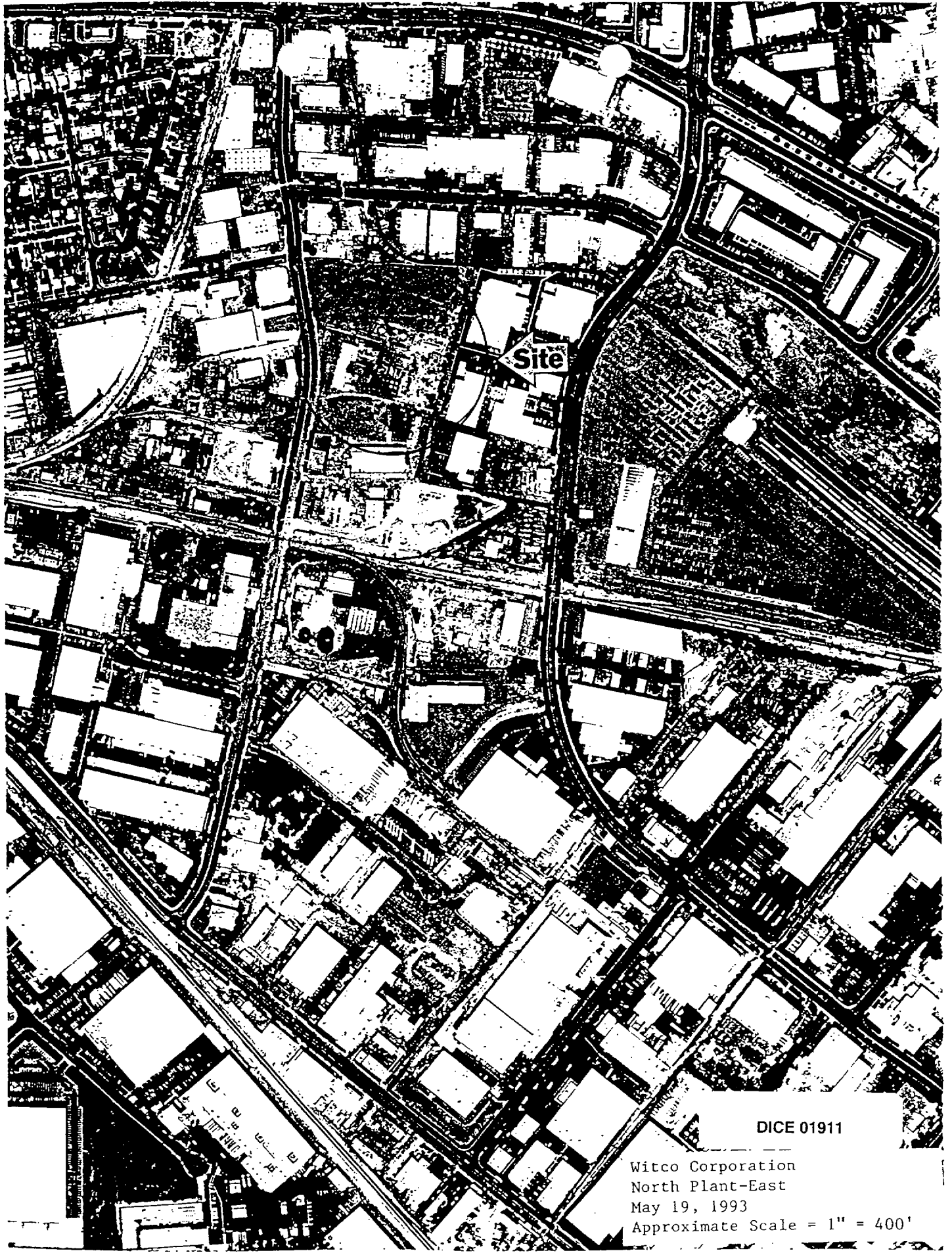
---

**ESC**



DICE 01910

Witco Corporation  
North Plant-East  
January 27, 1986  
Approximate Scale = 1" = 400'



DICE 01911

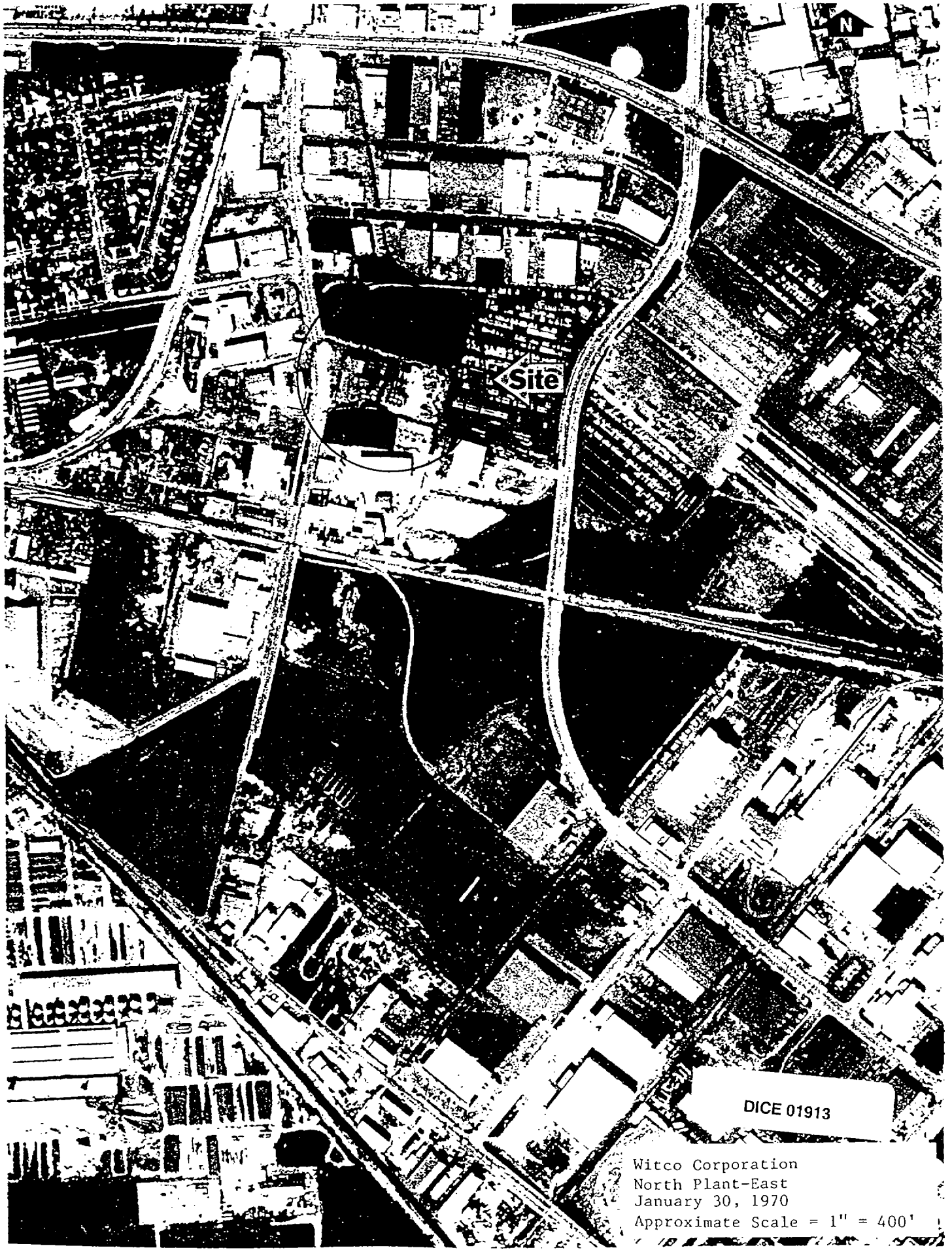
Witco Corporation  
North Plant-East  
May 19, 1993  
Approximate Scale = 1" = 400'



Site

DICE 01912

Witco Corporation  
North Plant-East  
October 19, 1953  
Approximate Scale = 1" = 400'



DICE 01913

Witco Corporation  
North Plant-East  
January 30, 1970  
Approximate Scale = 1" = 400'



DICE 01914

Witco Corporation  
North Plant-East  
June 12, 1990  
Approximate Scale = 1" = 400'



---

Appendix C - Hazard Chemical List

DICE 01915

---

**ESC**

HAZARDOUS CHEMICAL LIST  
NORTH/EAST PLANT

	RQ Lbs.	Hazards
Air, Compressed		SRP*
Alkyl Benzene		Acute, Chronic
Alkyl Phenol Ethoxylate		Acute
Ammonium Hydroxide	1000	Acute, Chronic
Butanol	5000	
Calcium Hydroxide		Acute
Carbon Dioxide,	-	Acute
Coconut Oil, Fatty Acid	-	Acute
Decanol	-	Acute
Diethanolamine		Acute
Diethyl Amine	100	Acute, Fire
Ethylene Glycol	-	Acute, Chronic
Fuel Oil	-	Acute, Fire
Heat Transfer Oil	-	Acute, Chronic
Hexylene Glycol	-	
Hydrogen Peroxide (30%)	-	Acute, Reactive
Isopropyl Alcohol	-	Acute, Fire
Methanol	5000	Acute, Chronic, Fire
Nitrogen	-	Acute, SRP
Oxygen	-	Fire, SRP
Phosphoric Acid	5000	
Potassium Hydroxide	1000	Acute
Propane		

Sodium Chloride

Sod. Dodecyl Benz. Sulf.            1000            Acute

Sodium Hydroxide,                    1000            Acute

Sodium Methyrate                    1000            Acute, Chronic, Fire

\*SRP - Sudden Release of Pressure

June 1, 1992

---

Appendix D - Tank Information

DICE 01918

---

**ESC**



---

Appendix E - Regulatory Database Search

DICE 01920

---

**ESC**

# SITE ASSESSMENT PLUS REPORT

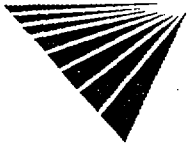
PROPERTY INFORMATION	CLIENT INFORMATION
Project Name/Ref #: 212417/1 WITCO CHEMICAL COMPANY 8733 DICE RD SANTA FE SPRINGS, CA 90670 Cross Street: SLAUSON AVE Latitude/Longitude: ( 33.960495, 118.065712 )	ELLEN MCDERMOTT ENV STRATEGIES(ESC)-SAN JOSE 101 METRO DR STE 650 SAN JOSE, CA 95110

Site Distribution Summary	within 1/8 mile	1/8 to 1/4 mile	1/4 to 1/2 mile	1/2 to 1 mile
<b>Agency / Database - Type of Records</b>				
<b>A) Databases searched to 1 mile:</b>				
US EPA NPL National Priority List	0	0	0	1
US EPA CORRACTS RCRA Corrective Actions	2	0	2	0
US EPA TSD RCRA permitted treatment, storage, disposal facilities	2	0	1	0
STATE SPL State equivalent priority list	1	1	1	1
<b>B) Databases searched to 1/2 mile:</b>				
US EPA CERCLIS Sites under review by US EPA	6	2	6	-
STATE SCL State equivalent CERCLIS list	4	3	4	-
STATE REG LUST Leaking Underground Storage Tanks CO	3	8	12	-
STATE/REG/CO SWLF Permitted as solid waste landfills, incinerators, or transfer stations	0	0	2	-
STATE DEED RSTR Sites with deed restrictions	0	0	0	-
STATE CORTESE State index of properties with hazardous waste	4	7	6	-
STATE TOXIC PITS Toxic Pits cleanup facilities	0	0	0	-
<b>C) Databases searched to 1/4 mile:</b>				
US EPA RCRA Viol RCRA violations/enforcement actions	2	0	-	-
US EPA TRIS Toxic Release Inventory database	4	3	-	-
STATE UST/AST Registered underground or aboveground storage tanks	8	10	-	-
COUNTY UNIQUE CO Unique county databases	1	2	-	-
<b>D) Databases searched to 1/8 mile:</b>				
US EPA ERNS Emergency Response Notification System of spills	14	-	-	-
US EPA GNRTR RCRA registered small or large generators of hazardous waste	6	-	-	-



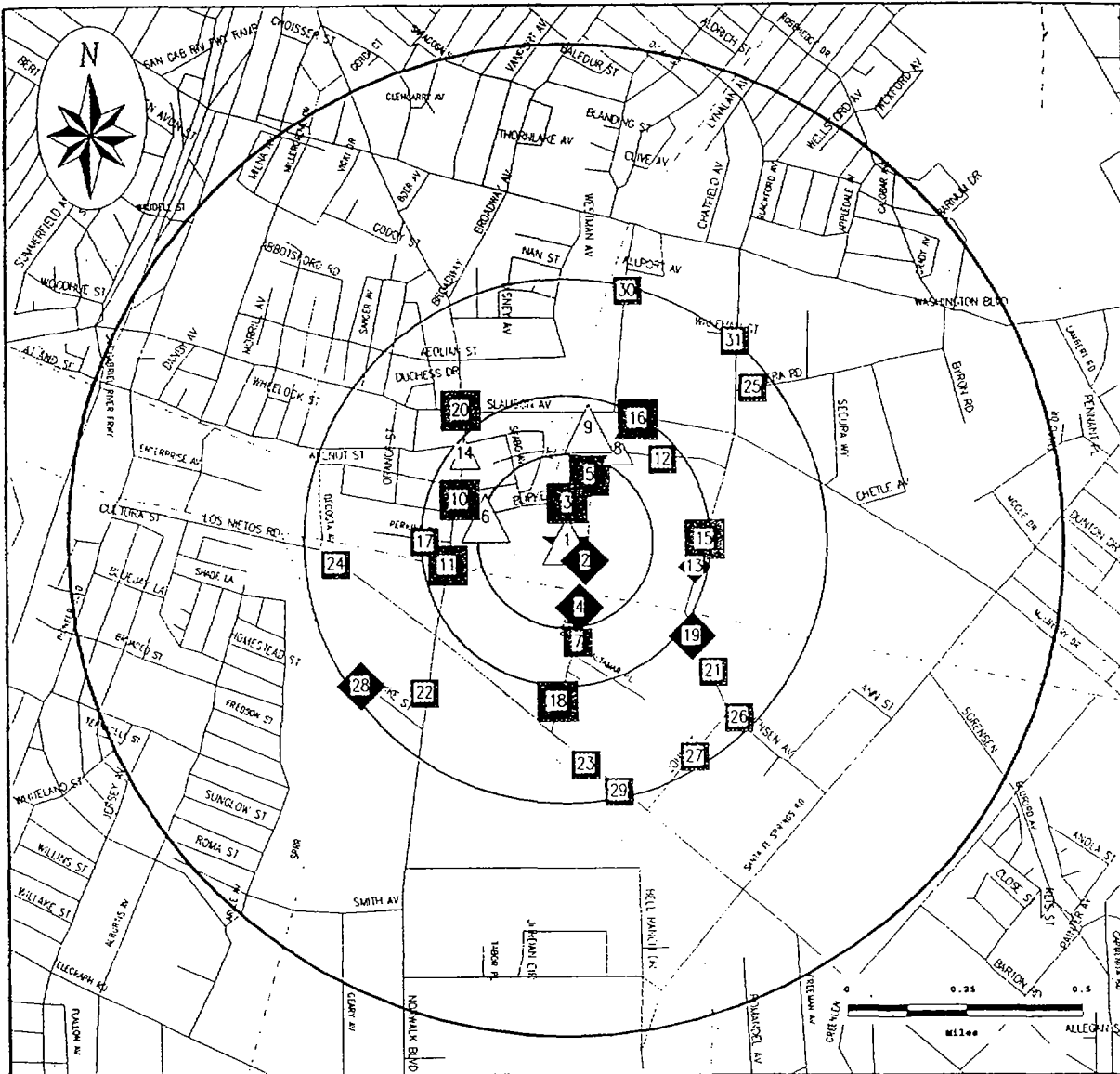






# SITE ASSESSMENT PLUS REPORT

## Map of Sites within One Mile

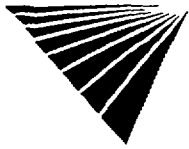


Subject Site	Category:	A	B	C	D
★	Databases Searched to:	1 mi.	1/2 mi.	1/4 mi.	1/8 mi.
	Single Sites	◆	■	△	○
	Multiple Sites	◆	■	△	○
		NPL, SPL, TSD, CORRACTS	CERCLIS, SCL, LUST, SWLF	TRIS, UST	ERNS, GENERATORS
	Roads Highways Railroads Rivers or Water Bodies Utilities	If additional databases are listed in the cover page of the report they are also displayed on this map. The map symbol used corresponds to the database category letter A,B,C,D.			

For More Information Call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403

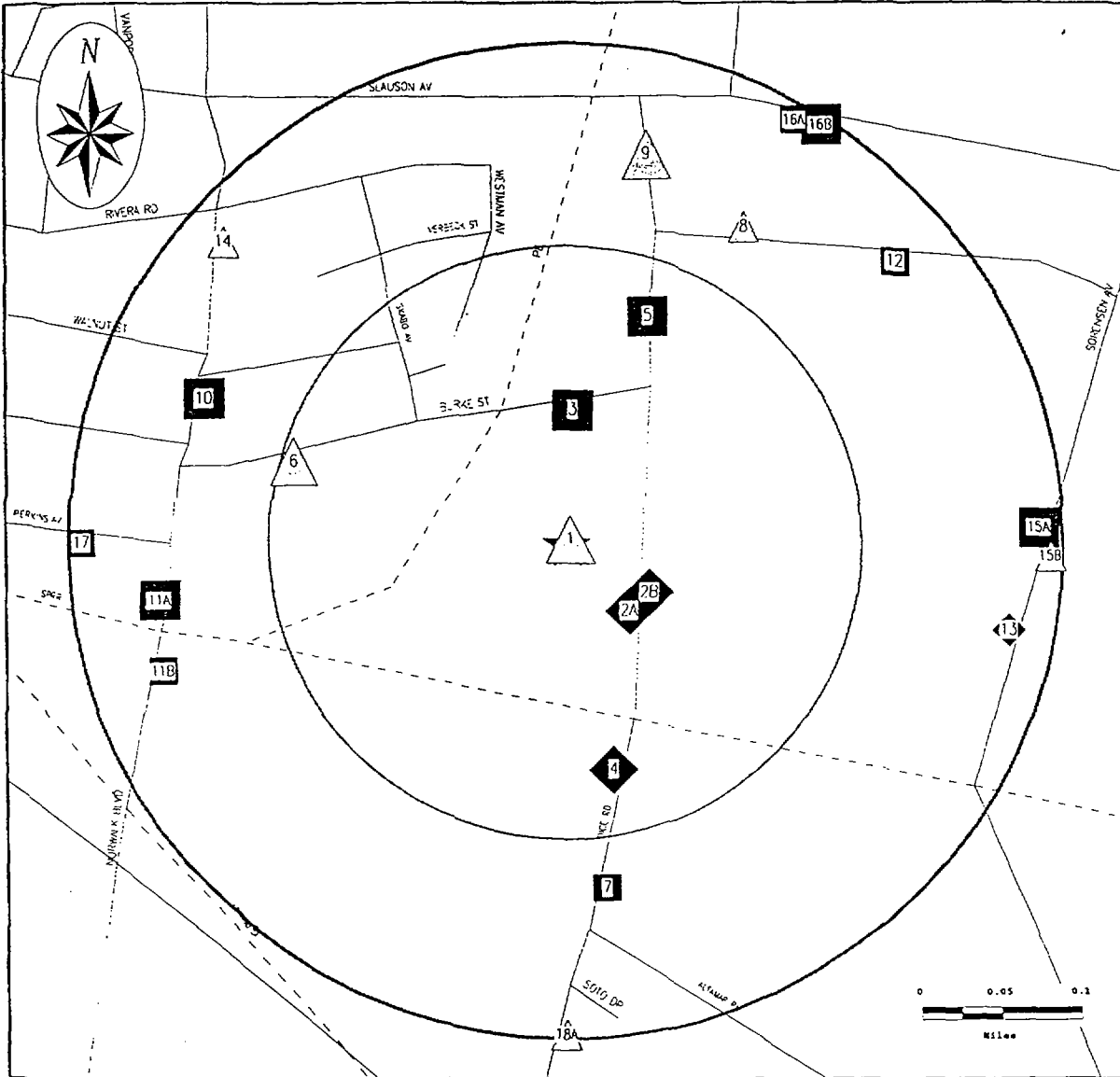
Report ID: 113596-001

Date of Report: September 3, 1996  
Page #3



# SITE ASSESSMENT PLUS REPORT

## Map of Sites within Quarter Mile



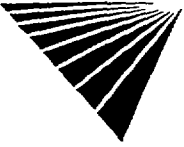
Subject Site	Category:	A	B	C	D
★	Databases Searched to:	1 mi.	1/2 mi.	1/4 mi.	1/8 mi.
	Single Sites	◆	■	△	○
	Multiple Sites	◆◆	■■	△△	○○
— — — — —	Roads	NPL, SPL, TSD, CORRACTS	CERCLIS, SCL, LUST, SWLF	TRIS, UST	ERNS, GENERATORS
— — — — —	Highways	If additional databases are listed in the cover page of the report they are also displayed on this map. The map symbol used corresponds to the database category letter A,B,C,D.			
— — — — —	Railroads				
— — — — —	Rivers or Water Bodies				
— — — — —	Utilities				

For More Information Call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403

Report ID: 113596-001

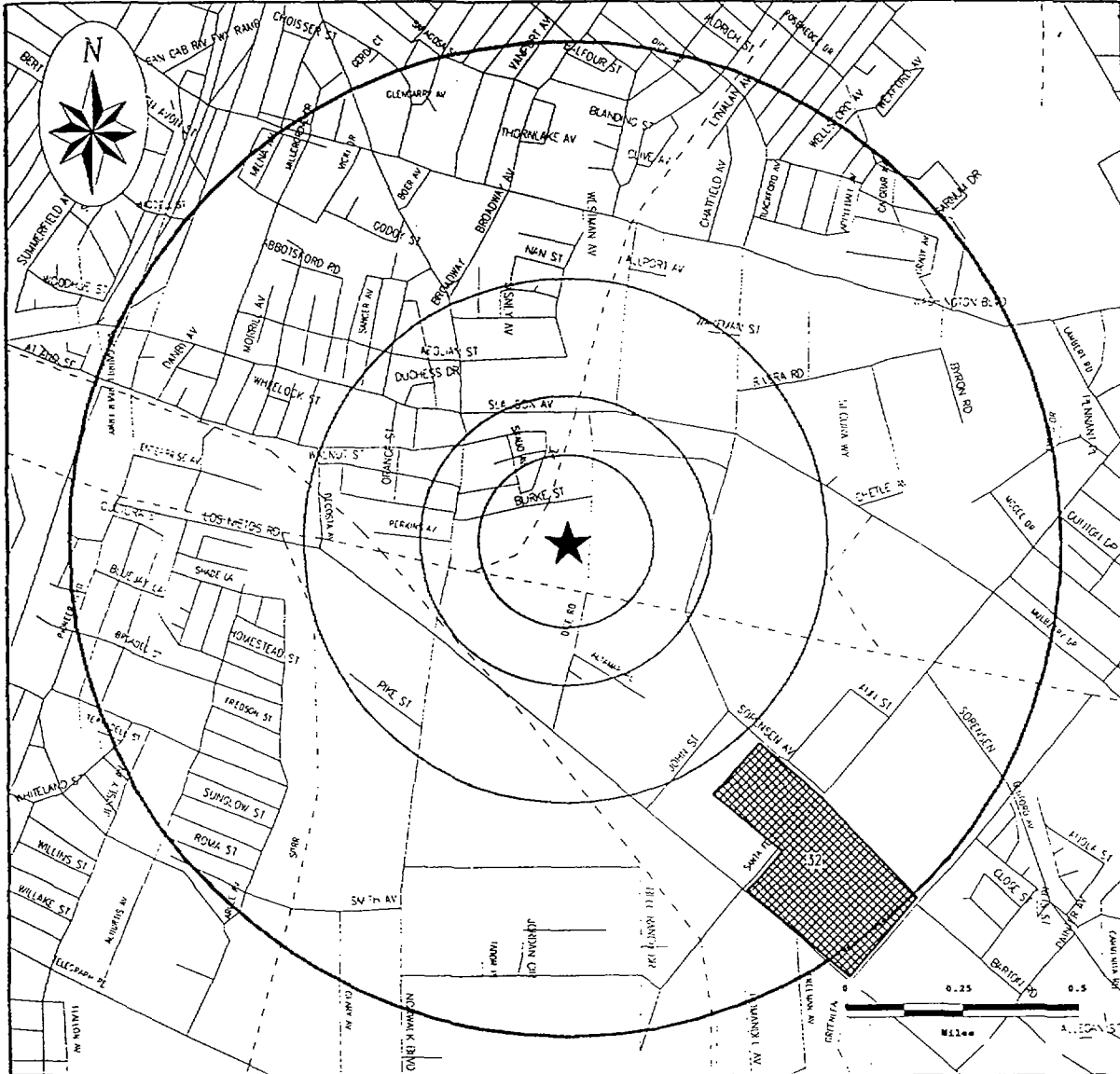
Date of Report: September 3, 1996

Page #4



# SITE ASSESSMENT PLUS REPORT

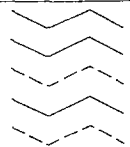
## Sites Represented as Polygons



These boundaries are approximated from agency records or other sources such as published maps. They may represent property boundaries, impact zones, or study areas. For more information contact the agency referenced by source number in the site listing.

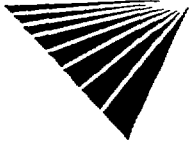


Subject Site



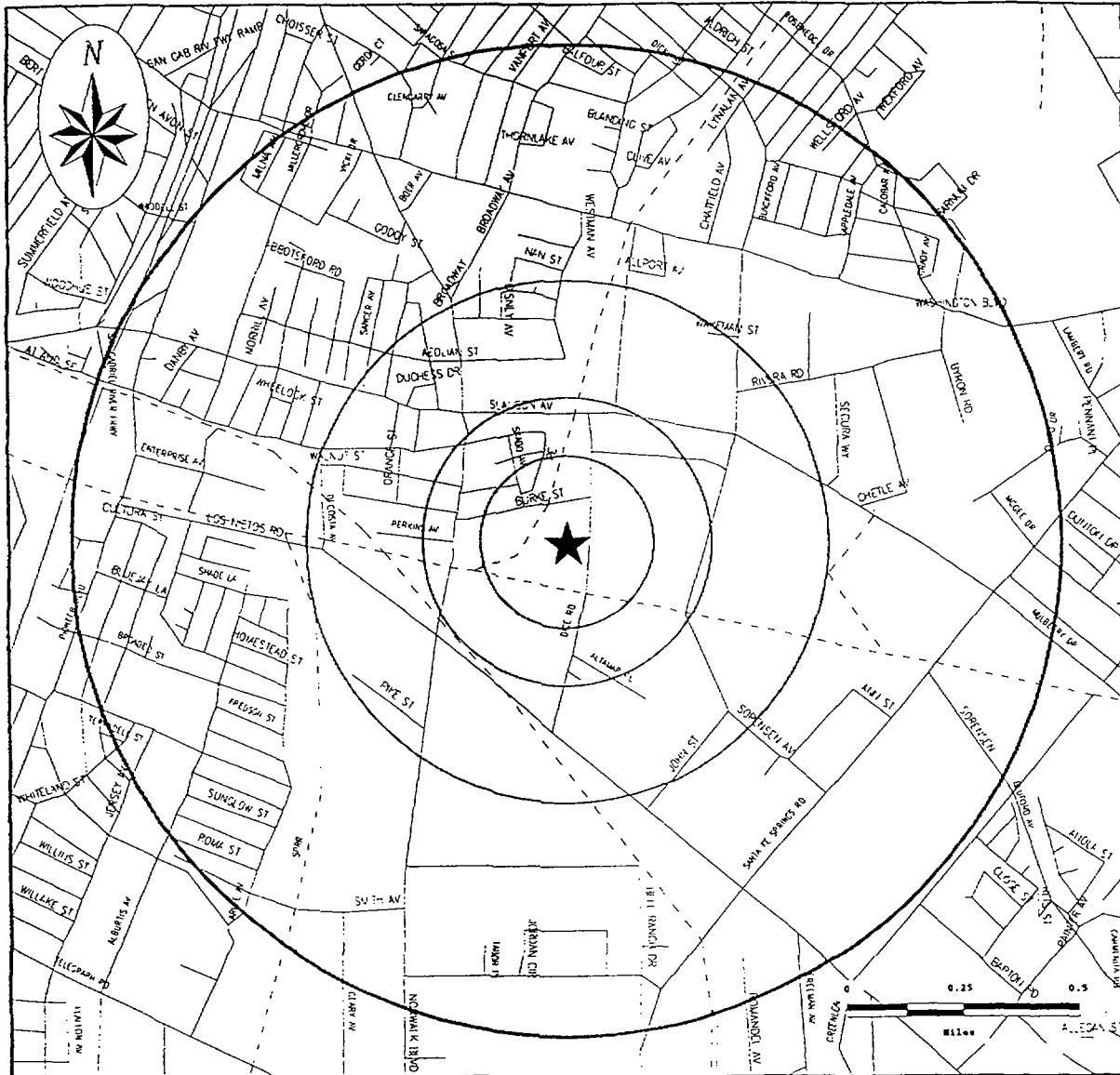
Roads  
Highways  
Railroads  
Rivers or Water Bodies  
Utilities

DICE 01925



# SITE ASSESSMENT PLJS REPORT

## Street Map



Subject Site



Roads, Highways, Rivers, Water Bodies



Railroads, Utilities

DICE 01926

# SITE ASSESSMENT PLUS REPORT

## SITE INVENTORY

MAP ID	PROPERTY AND THE ADJACENT AREA (within 1/8 mile)	VISTA ID DISTANCE DIRECTION	A			B					C			D				
			NPL	CORRACTS	TSD	SPL	CERCLIS	SCL	LUST	DEED RSTR	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	UNIQUE CO	ERNS	GNRTR
1	WITCO PRODUCTS 8733 D. DICE RD SANTA FE SPRINGS, CA 90670	200080899 0.00 MI ADJACENT															X	
1	WITCO CORP 8733 S DICE RD SANTA FE SPRINGS, CA 90670	4024126 0.00 MI ADJACENT											X					X
1	WITCO CORP. OLEO/SURFACTANTS GROUP 8733 S. DICE RD. SANTA FE SPRINGS, CA 90670	5296501 0.00 MI ADJACENT										X						
2A	SCHNEE MOREHEAD INC 8835 S DICE RD SANTA FE SPRINGS, CA 90670	1158980 0.00 MI ADJACENT																X
2A	SOUTHERN CALIFORNIA CHEM 8851 DICE RD SANTA FE SPRINGS, CA 90670	200212792 0.00 MI ADJACENT															X	
2A	SOUTHERN CALIFORNIA CHEM 8851 DICE RD SANTA FE SPRINGS, CA 90670	200236859 0.00 MI ADJACENT															X	
2A	SOUTHERN CALIFORNIA CHEM 8851 DICE RD SANTA FE SPRINGS, CA 90670	200211263 0.00 MI ADJACENT															X	
2A	SOUTHERN CALIFORNIA CHEM 8851 DICE RD SANTA FE SPRINGS, CA 90670	200235330 0.00 MI ADJACENT															X	
2A	SO CAL CHEMICAL 8851 DICE RD SANTA FE SPRINGS, CA 90670	200060550 0.00 MI ADJACENT															X	
2A	SOUTHERN CALIFORNIA CHEMICAL COMPANY 8851 DICE ROAD SANTA FE SPRINGS, CA 90670	389782 0.00 MI ADJACENT					X						X	X				
2A	SOUTHERN CAL CHEMICAL 8851 DICE RD SANTA FE SPRINGS, CA 90670	200036256 0.00 MI ADJACENT															X	
2A	SO CAL CHEM CO. 8851 DICE RD SANTA FE SPRINGS, CA 90670	200056759 0.00 MI ADJACENT															X	
2A	SO. CAL CHEMICALS 8851 DICE RD SANTA FE SPRINGS, CA 90670	200037055 0.00 MI ADJACENT															X	
2A	SO CAL. CHEMICALS 8851 DICE RD SANTA FE SPRINGS, CA 90670	200037056 0.00 MI ADJACENT															X	

DICE 01927



X = search criteria; • = tag-along (beyond search criteria).

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #7

MAP ID	PROPERTY AND THE ADJACENT AREA (within 1/8 mile)	VISTA ID DISTANCE DIRECTION	A			B					C			D				
			NPL	CORRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	CORTIEST	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	UNIQUE CO	ERNS
2A	SOUTHERN CALIFORNIA CHEMICAL 8851 DICE RD SANTA FE SPRINGS, CA 90670	200339400 0.00 MI ADJACENT															X	
2A	SO CA CHEM CO INC 8851 DICE RD SANTA FE SPRINGS, CA 90670	1183441 0.00 MI ADJACENT					X											
2A	PHIBRO TECH INC 8851 DICE RD SANTA FE SPRINGS, CA 90670	5241067 0.00 MI ADJACENT	X	X								X						X
2B	AIR LIQUIDE AMERICA CORP. COMPRESSED GAS 8832 DICE RD. SANTA FE SPRINGS, CA 90670	5520500 0.00 MI ADJACENT										X						
2B	LIQUID AIR CORP 8832 DICE RD SANTA FE SPRINGS, CA 90670	245933 0.00 MI ADJACENT				X	X	X		X			X					
2B	BURDETT OXYGEN COMPANY OF CALIFORNIA 8832-8838 SOUTH DICE ROAD SANTA FE SPRINGS, CA 90670	62680 <0.01 MI SE			X	X												
3	PILOT CHEMICAL 11756 BURKE AVE SANTA FE SPRINGS, CA 90670	200066074 0.02 MI N																X
3	PILOT CHEMICAL 11756 BURKE ST SANTA FE SPRINGS, CA 90670	200242066 0.02 MI N																X
3	PILOT CHEMICAL COMPANY 11756 BURKE ST SANTA FE SPRINGS, CA 90670	5352338 0.02 MI N								X								
3	PILOT CHEMICAL 11756 BURKE ST SANTA FE SPRINGS, CA 90670	200218007 0.02 MI N																X
3	PILOT CHEM CO 11756 BURKE ST SANTA FE SPRINGS, CA 90670	330653 0.02 MI N				X		X					X	X	X			X
3	PILOT CHEMICAL COMPANY 11770 BURKE SANTA FE SPRINGS, CA 90670	4020570 0.03 MI N												X				
3	FLIGHT TRUCKING 11770 BURKE STREET SANTA FE SPRINGS, CA 90670	1194162 0.03 MI N						X										
4	DIVERSEY WYANDOTTE CORPORATION 8921 DICE RD SANTA FE SPRINGS, CA 90670	5354007 0.08 MI S								X								
4	DIVERSEY CORP 8921 DICE RD SANTA FE SPRINGS, CA 90670	123068 0.08 MI S	X	X								X						X
4	DIVERSEY WYANDOTTE CORP 8921 DICE RD SANTA FE SPRINGS, CA 90670	517328 0.08 MI S					X	X						X				
5	CITY OF SANTA FE SPRINGS FIRE 8634 S DICE SANTA FE SPRINGS, CA	4824475 0.09 MI NE												X				



MAP ID	PROPERTY AND THE ADJACENT AREA (within 1/8 mile)	VISTA ID DISTANCE DIRECTION	A			B					C			D				
			NPL	CORRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	UNIQUE CO	ERNS
5	WEST BENT BOLT 8623 DICE RD SANTA FE SPRINGS, CA 90670	5354006 0.09 MI N									X							
5	MID WEST FABR CO 8623 DICE RD SANTA FE SPRINGS, CA 90670	274221 0.09 MI N																X
5	WEST BENT BOLT 8623 S DICE RD SANTA FE SPRINGS, CA 90670	1183438 0.09 MI NE					X	X										
6	TALCO PLASTICS INC 11650 BURKE WHITTIER, CA 90606	1237544 0.11 MI W												X				

MAP ID	SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile)	VISTA ID DISTANCE DIRECTION	A			B					C			D				
			NPL	CORRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	UNIQUE CO	ERNS
6	PALLEY PROPERTY 11630 BURKE ST CA 90606	5404254 0.13 MI W														X		
7	T CHEM PRODUCTS INC 9028 DICE RD SANTA FE SPRINGS, CA 90670	418301 0.16 MI S						X					X	X				*
8	PARKER HANNIFIN CORP 11808 BURKE ST SPRINGS SANTA FE SPRINGS, CA 90670	319868 0.16 MI NE											X					*
9	AEROSPACE RIVET MFG. CORP. MANUFACTURE 8535 DICE RD. SANTA FE SPRINGS, CA 90670	768062 0.18 MI N											X					
9	A-W ENGINEERING CO 8518 DICE SANTA FE SPRINGS, CA 90670	34957 0.19 MI N												X				
10	BARRETT SERVICE STATION 8728 NORWALK BLVD WHITTIER, CA 90606	1203224 0.18 MI W						X		X				X				
10	BARRETT SERVICE STATION 8728 NORWALK BLVD WHITTIER, CA 90606	6478853 0.18 MI W						X										
11A	C.F. PENG SERVICE STATION 8905 NORWALK BLVD. SANTA FE SPRINGS, CA 90670	2748870 0.19 MI W						X		X								
11A	NACHO'S BATTERIES 8917 NORWALK CA 90606	4825493 0.19 MI W														X		
11B	ACI GLASS PRODUCTS INC 9010 S NORWALK BLVD SANTA FE SPRINGS, CA 90670	4497 0.20 MI W						X		X				X				

DICE 01929



X = search criteria; \* = tag-along (beyond search criteria).  
 For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.  
 Report ID: 113596-001 Date of Report: September 3, 1996  
 Version 2.4.1 Page #9

MAP ID	SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile)	VISTA ID DISTANCE DIRECTION	A				B				C			D				
			NPL	CORRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	UNIQUE CO	ERNS
12	TECHNI-BRAZE INC 11845 BURKE STREET SANTA FE SPRINGS, CA 90670	418570 0.21 MI NE					X											•
13	ANGELES CHEMICAL COMPANY INC 8915 SORENSEN AVENUE SANTA FE SPRINGS, CA 90670	22476 0.22 MI E			X			X		X					X			•
14	H H MACHINE CO 8612 NORWALK BLVD WHITTIER, CA 90606	1160309 0.22 MI NW													X			•
15A	VANDENBERG AFB 8815 SORENSEN S. SANTA FE SPRINGS, CA 90670	5356622 0.23 MI E								X								
15A	PLAS-TAL MFG CO 8815 S SORENSEN AVE SANTA FE SPRINGS, CA 90670	5718420 0.23 MI E						X										
15B	SO PACIFIC TRANS CO 8834 SORENSEN SANTA FE SPRINGS, CA 90670	4043436 0.24 MI E													X			
16A	CAL WESTERN PAINT CORP 11748 SLAUSON AVE SANTA FE SPRINGS, CA 90670	15315 0.24 MI NE				X	X								X			•
16B	WESTERN SCREW PRODUCTS #1 11770 SLAUSON AVE E. SANTA FE SPRINGS, CA 90670	5357834 0.24 MI NE								X								
16B	WESTERN SCREW PRODUCTS 11770 - 11780 SLAUSON BLVD SANTA FE SPRINGS, CA 90670	465500 0.24 MI NE				X	X											•
17	E.A. MENDOZA INC. 11574 PERKINS AVE. WHITTIER, CA 90606	3768036 0.24 MI W						X		X					X			
18A	MOBILE INSP SERVICE INC 9110 DICE SANTA FE SPRINGS, CA 90670	1161989 0.25 MI S													X			

MAP ID	SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile)	VISTA ID DISTANCE DIRECTION	A				B				C			D				
			NPL	CORRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	UNIQUE CO	ERNS
18	DICE ROAD 9165 DICE ROAD SANTA FE SPRINGS, CA	5435856 0.29 MI S							X									
18	DICE ROAD 9165 DICE ROAD SANTA FE SPRINGS, CA 90670	4824476 0.29 MI S							X									
18	DICE RD LOS NIETOS RD DUMP 9165 DICE RD SANTA FE SPRINGS, CA 90670	121556 0.29 MI S				X	X											

DICE 01930



X = search criteria; • = tag-along (beyond search criteria).

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #10



MAP ID	SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile)	VISTA ID DISTANCE DIRECTION	A			B					C			D				
			NPL	CORTRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	UNIQUE CO	ERNS
19	MCKESSON CHEMICAL COMPANY 9005 SORENSEN AVENUE SANTA FE SPRINGS, CA 90670	1188537 0.26 MI SE				X		X		X								
19	FOREMOST MCKESSON INC 9005 SORENSEN AVE SANTA FE SPRINGS, CA 90670	156385 0.26 MI SE	X	X		X							•					•
19	PETERSON/PURITAN INC 9101 S SORENSEN AVE SANTA FE SPRINGS, CA 90670	327119 0.31 MI SE						X							•			•
20	SHELL STATION NO 204-8458-1600 11515 E SLAUSON WHITTIER, CA 90604	377479 0.27 MI NW						X		X					•			•
20	CIRCLE K CORPORATION 11462 SLAUSON AVENUE E. SANTA FE SPRINGS, CA 90670	2749552 0.32 MI NW						X										
21	CALAVAR CORP 9200 SORENSEN AVE SANTA FE SPRINGS, CA 90670	65745 0.36 MI SE						X		X					•			
22	TUBE SERVICE COMPANY 9351 SO. NORWALK BLVD. SANTA FE SPRINGS, CA 90670	1237432 0.38 MI SW						X							•			
23	FINE LINE PAINT CORP 12200 LOS NIETOS RD SANTA FE SPRINGS, CA 90670	151703 0.42 MI S					X	X	X		X				•			•
24	CALIFORNIA CORRUGATED 11600 LOS NIETOS SANTA FE SPRINGS, CA 90670	4032431 0.43 MI W						X		X					•			•
25	CAL-TRON PLATING, INC 11919 EAST RIVERA ROAD SANTA FE SPRINGS, CA 90670	66594 0.46 MI NE					X							•				•
26	U.S. GYPSUM COMPANY 9306 SORENSEN SANTA FE SPRINGS, CA 90670	1158976 0.47 MI SE						X							•			
27	VALVOLINE OIL CO 9520 JOHN ST SANTA FE SPRINGS, CA 90670	450897 0.47 MI SE						X						•	•			•
28	WHITTIER PLATTING CO INC 11642 E PIKE ST SANTA FE SPRINGS, CA 90670	468915 0.47 MI SW	X			X												•
28	MCKESSON CHEM CO 11600 PIKE ST SANTA FE SPRINGS, CA 90670	264990 0.48 MI SW				X												•
28	ALLPURE CHEMICAL COMPANY 11600 PIKE STREET SANTA FE SPRINGS, CA 90670	493950 0.48 MI SW					X							•				
29	SOUTHERN STEEL SUPPLY CO. 12350 LOS NIETOS ROAD SANTA FE SPRINGS, CA 90670	1245694 0.48 MI S						X		X					•			
30	SUR-LITE CORPORATION 8124 ALLPORT AVE. SANTA FE SPRINGS, CA 90670	413978 0.49 MI N				X												



DICE 01931

X = search criteria; • = tag-along (beyond search criteria).

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

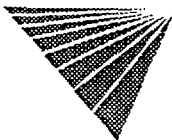
Version 2.4.1

Page #11

MAP ID	SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile)	VISTA ID DISTANCE DIRECTION	A			B				C		D						
			NPL	CORRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	UNIQUE CO	ERNS
31	THIEM INDUSTRIES 8311 SORENSEN SANTA FE SPRINGS, CA 90670	4043434 0.50 MI NE						X										

MAP ID	SITES IN THE SURROUNDING AREA (within 1/2 - 1 mile)	VISTA ID DISTANCE DIRECTION	A			B				C		D						
			NPL	CORRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	UNIQUE CO	ERNS
32	WASTE DISPOSAL INC 12731 E LOS NIETOS RD SANTA FE SPRINGS, CA 90670	460238 0.53 MI	X			X	•											

DICE 01932



X = search criteria; • = tag-along (beyond search criteria).  
 For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.  
 Report ID: 113596-001 Date of Report: September 3, 1996  
 Version 2.4.1 Page #12

UNMAPPED SITES	VISTA ID	A				B				C			D				
		NPL	CORRACTS	TSD	SPL	CERGLIS	SCL	LUST	SWLF	DEED:RSTR	CORTESE	TOXIC:PITS	RCRA:VIOL	TRIS	UST/AST	UNIQUE:CO	ERNS
ROSE HILLS WHITTIER, CA	5739042							X									
CHEVRON P.O BOX 3608 SANTA FE SPRINGS, CA 90670	5349556									X							
WITCO CORP 12143 ALTAMAR PL SANTA FE SPRINGS, CA 90670	4824053												X				X

DICE 01933



X = search criteria; • = tag-along (beyond search criteria).

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #13

# SITE ASSESSMENT PLUS REPORT

## DETAILS

### PROPERTY AND THE ADJACENT AREA (within 1/8 mile)

VISTA Address*	WITCO PRODUCTS 8733 D. DICE RD SANTA FE SPRINGS, CA 90670	VISTA ID#:	200080899
		Distance/Direction:	0.00 MI / ADJACENT
		Plotted as:	Point
ERNS - Emergency Response Notification System / SRC# 3006		Agency ID:	90-6870

Map ID

1

Agency Address:	SAME AS ABOVE				
Spill Date Time:	MAY 14, 1990 01:20:00 PM				
Case Number:	90-6870				
Spill Location:	8733 D. DICE RD				
Source Agency:	E				
Discharger Org:	WITCO PRODUCTS				
Material Spilled:	METHANOL, 14000.00 (GAL)				
Material Spilled:	WATER, 3000.00 (GAL)				
Waterway Affected:	NONE				
Fields Not Reported:	Discharger Name, Discharger Phone				
Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
NO	YES	NO	NO	NO	NO

VISTA Address*	WITCO CORP 8733 S DICE RD SANTA FE SPRINGS, CA 90670	VISTA ID#:	4024126
		Distance/Direction:	0.00 MI / ADJACENT
		Plotted as:	Point
RCRA-SmGen - RCRA-Small Generator / SRC# 3057		EPA ID:	CAD008371627

Map ID

1

Agency Address:	SAME AS ABOVE				
Generator Class:	GENERATORS WHO GENERATE 100 KG/MONTH BUT LESS THAN 1000 KG/MONTH OF NON-ACUTELY HAZARDOUS WASTE				

STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A
Agency Address:	WITCO CORPORATION 8733 S DICE SANTA FE SPRINGS, CA 90670		
Underground Tanks:	6		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		
Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	NOT REPORTED	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	10000 (GALLONS)	Tank Material:	STEEL
Tank ID:	2U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	NOT REPORTED	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	OTHER DESCRIPTIONS
Tank Size (Units):	10000 (GALLONS)	Tank Material:	STEEL
Tank ID:	3U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	NOT REPORTED	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	20000 (GALLONS)	Tank Material:	BARE STEEL

DICE 01934



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #14

**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.**

<b>Tank ID:</b>	4U	<b>Tank Status:</b>	CLOSED
<b>Tank Contents:</b>	NOT REPORTED	<b>Leak Monitoring:</b>	UNKNOWN
<b>Tank Age:</b>	NOT REPORTED	<b>Tank Piping:</b>	UNKNOWN
<b>Tank Size (Units):</b>	10000 (GALLONS)	<b>Tank Material:</b>	BARE STEEL
<b>Tank ID:</b>	5U	<b>Tank Status:</b>	CLOSED
<b>Tank Contents:</b>	NOT REPORTED	<b>Leak Monitoring:</b>	UNKNOWN
<b>Tank Age:</b>	NOT REPORTED	<b>Tank Piping:</b>	UNKNOWN
<b>Tank Size (Units):</b>	10000 (GALLONS)	<b>Tank Material:</b>	BARE STEEL
<b>Tank ID:</b>	6U	<b>Tank Status:</b>	ACTIVE/IN SERVICE
<b>Tank Contents:</b>	REPORTED AS "UNKNOWN" BY AGENCY	<b>Leak Monitoring:</b>	UNKNOWN
<b>Tank Age:</b>	NOT REPORTED	<b>Tank Piping:</b>	UNKNOWN
<b>Tank Size (Units):</b>	NOT REPORTED (GALLONS)	<b>Tank Material:</b>	UNKNOWN

<b>VISTA Address*:</b>	<b>WITCO CORP. OLEO/SURFACTANTS GROUP</b> 8733 S. DICE RD. SANTA FE SPRINGS, CA 90670	<b>VISTA ID#:</b>	5296501	<b>Map ID</b> <b>1</b>
		<b>Distance/Direction:</b>	0.00 MI / ADJACENT	
		<b>Plotted as:</b>	Point	
<b>TRIS - Toxic Release Inventory System / SRC# 2587</b>		<b>EPA ID:</b>	CAD008371627	
<b>Agency Address:</b>	WITCO CORP. OLEO/SURFACTANTS GROUP 8733 S. DICE RD. SANTA FE SPRINGS, CA 906702513			
<b>Chemical Abstract Service Registry:</b>		<b>Quantity Released:</b>		
DIETHANOLAMINE		255.00 (POUNDS)		
ETHYLENE GLYCOL		255.00 (POUNDS)		
ETHYLENE OXIDE		250.00 (POUNDS)		
NOT REPORTED		500.00 (POUNDS)		
HYDROCHLORIC ACID		500.00 (POUNDS)		

<b>VISTA Address*:</b>	<b>SCHNEE MOREHEAD INC</b> 8835 S DICE RD SANTA FE SPRINGS, CA 90670	<b>VISTA ID#:</b>	1158980	<b>Map ID</b> <b>2A</b>
		<b>Distance/Direction:</b>	0.00 MI / ADJACENT	
		<b>Plotted as:</b>	Point	
<b>RCRA-SmGen - RCRA-Small Generator / SRC# 3057</b>		<b>EPA ID:</b>	CAD983577024	
<b>Agency Address:</b>	SAME AS ABOVE			
<b>Generator Class:</b>	GENERATORS WHO GENERATE 100 KG/MONTH BUT LESS THAN 1000 KG/MONTH OF NON-ACUTELY HAZARDOUS WASTE			

<b>VISTA Address*:</b>	<b>SOUTHERN CALIFORNIA CHEM</b> 8851 DICE RD SANTA FE SPRINGS, CA 90670	<b>VISTA ID#:</b>	200212792	<b>Map ID</b> <b>2A</b>	
		<b>Distance/Direction:</b>	0.00 MI / ADJACENT		
		<b>Plotted as:</b>	Point		
<b>ERNS - Emergency Response Notification System / SRC# 3006</b>		<b>Agency ID:</b>	93-1417		
<b>Agency Address:</b>	SAME AS ABOVE				
<b>Spill Date Time:</b>	JANUARY 11, 1993 07:00:00 AM				
<b>Case Number:</b>	93-1417				
<b>Spill Location:</b>	8851 DICE RD				
<b>Source Agency:</b>	E				
<b>Discharger Name:</b>	VIGIL, EDWARD				
<b>Discharger Org:</b>	SOUTHERN CALIFORNIA CHEM				
<b>Material Spilled:</b>	COPPER CHLORIDE (IC), 0.00 (UNK)				
<b>Fields Not Reported:</b>	Discharger Phone, Waterway Affected				
<b>Air Release:</b>	<b>Land Release:</b>	<b>Water Release:</b>	<b>Ground Release:</b>	<b>Facility Release:</b>	<b>Other Release:</b>
NO	YES	NO	NO	NO	NO

DICE 01935



PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

VISTA Address*:	SOUTHERN CALIFORNIA CHEM 8851 DICE RD SANTA FE SPRINGS, CA 90670	VISTA ID#:	200236859		
		Distance/Direction:	0.00 MI / ADJACENT		
		Plotted as:	Point		
ERNS - Emergency Response Notification System / SRC# 3006		Agency ID:	93-1417		
Agency Address:	SAME AS ABOVE				
Spill Date Time:	JANUARY 11, 1993 07:00:00 AM				
Case Number:	93-1417				
Spill Location:	8851 DICE RD				
Source Agency:	E				
Discharger Org:	SOUTHERN CALIFORNIA CHEM				
Material Spilled:	COPPER CHLORIDE (IC), 0.00 (UNK)				
Fields Not Reported:	Discharger Name, Discharger Phone, Waterway Affected				
Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
NO	YES	NO	NO	NO	NO

Map ID

2A

VISTA Address*:	SOUTHERN CALIFORNIA CHEM 8851 DICE RD SANTA FE SPRINGS, CA 90670	VISTA ID#:	200211263		
		Distance/Direction:	0.00 MI / ADJACENT		
		Plotted as:	Point		
ERNS - Emergency Response Notification System / SRC# 3006		Agency ID:	152717		
Agency Address:	SAME AS ABOVE				
Spill Date Time:	JANUARY 11, 1993 07:00:00 AM				
Case Number:	152717				
Spill Location:	8851 DICE RD				
Source Agency:	N				
Discharger Name:	VIGIL, EDWARD				
Discharger Org:	SOUTHERN CALIFORNIA CHEM				
Material Spilled:	COPPER CHLORIDE (IC), 0.00 (UNK)				
Waterway Affected:	ASPHALT AND GRAVEL UNDERLAID WITH PLASTI				
Fields Not Reported:	Discharger Phone				
Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
NO	YES	NO	NO	NO	NO

Map ID

2A

VISTA Address*:	SOUTHERN CALIFORNIA CHEM 8851 DICE RD SANTA FE SPRINGS, CA 90670	VISTA ID#:	200235330		
		Distance/Direction:	0.00 MI / ADJACENT		
		Plotted as:	Point		
ERNS - Emergency Response Notification System / SRC# 3006		Agency ID:	152717		
Agency Address:	SAME AS ABOVE				
Spill Date Time:	JANUARY 11, 1993 07:00:00 AM				
Case Number:	152717				
Spill Location:	8851 DICE RD				
Source Agency:	N				
Discharger Org:	SOUTHERN CALIFORNIA CHEM				
Material Spilled:	COPPER CHLORIDE (IC), 0.00 (UNK)				
Waterway Affected:	ASPHALT AND GRAVEL UNDERLAID WITH PLASTI				
Fields Not Reported:	Discharger Name, Discharger Phone				
Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
NO	YES	NO	NO	NO	NO

Map ID

2A

DICE 01936



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #16

**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.**

VISTA Address*:	<b>SO CAL CHEMICAL 8851 DICE RD SANTA FE SPRINGS, CA 90670</b>	VISTA ID#:	200060550
		Distance/Direction:	0.00 MI / ADJACENT
		Plotted as:	Point
<b>ERNS - Emergency Response Notification System / SRC# 3006</b>		Agency ID:	91-6386
Agency Address:	SAME AS ABOVE		
Spill Date Time:	SEPTEMBER 27, 1991 01:30:00 AM		
Case Number:	91-6386		
Spill Location:	8851 DICE RD		
Source Agency:	E		
Discharger Org:	SO CAL CHEMICAL		
Material Spilled:	HYDROCHLORIC ACID, 0.00 (UNK)		
Waterway Affected:	NONE		
Fields Not Reported:	Discharger Name, Discharger Phone		
Air Release:	Land Release:	Water Release:	Ground Release:
Facility Release:	Other Release:		
YES	YES	NO	NO
		NO	NO

Map ID

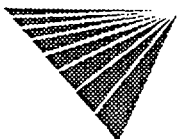
**2A**

VISTA Address*:	<b>SOUTHERN CALIFORNIA CHEMICAL COMPANY 8851 DICE ROAD SANTA FE SPRINGS, CA 90670</b>	VISTA ID#:	389782
		Distance/Direction:	0.00 MI / ADJACENT
		Plotted as:	Point
<b>SCL - State Equivalent CERCLIS List / SRC# 2825</b>		Agency ID:	19280516
Agency Address:	SAME AS ABOVE		
Facility Type:	NOT AVAILABLE		
Lead Agency:	NOT AVAILABLE		
State Status:	FORMER ANNUAL WORKPLAN SITE REFERRED TO RCRA		
Pollutant 1:	NICKEL		
Pollutant 2:	CHROMIUM (VI)		
Pollutant 3:	UNSPECIFIED SLUDGE WASTE		
Fields Not Reported:	Status		
<b>STATE UST - State Underground Storage Tank / SRC# 1612</b>		EPA/Agency ID:	N/A
Agency Address:	SOUTHERN CALIFORNIA CHEMICAL 8851 S DICE SANTA FE SPRINGS, CA 90670		
Underground Tanks:	4		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		
Tank ID:	1U	Tank Status:	CLOSED REMOVED
Tank Contents:	DIESEL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	2U	Tank Status:	CLOSED REMOVED
Tank Contents:	DIESEL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	3U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN

Map ID

**2A**

DICE 01937



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page # 17

PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

Tank ID:	4U	Tank Status:	ACTIVE IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN

TRIS - Toxic Release Inventory System / SRC# 2587		EPA ID:	CAD008488025
Agency Address: SOUTHERN CALIFORNIA CHEMICAL CP CHEMICA 8851 DICE RD. SANTA FE SPRINGS, CA 906700118			
Chemical Abstract Service Registry:		Quantity Released:	
CHLORINE		205.00 (POUNDS)	
NOT REPORTED		192252.00 (POUNDS)	
HYDROCHLORIC ACID		330.00 (POUNDS)	
SULFURIC ACID		NOT REPORTED (POUNDS)	
AMMONIA		406100.00 (POUNDS)	

VISTA Address*:	SOUTHERN CAL CHEMICAL 8851 DICE RD SANTA FE SPRINGS, CA 90670	VISTA ID#:	200036256
		Distance/Direction:	0.00 MI / ADJACENT
		Plotted as:	Point

Map ID  
**2A**

ERNS - Emergency Response Notification System / SRC# 3006		Agency ID:	61248		
Agency Address: SOUTHERN CAL CHEMICAL 8851 DICE RD SANTA FE SPRINGS, CA					
Spill Date Time: FEBRUARY 26, 1991 09:00:00 AM					
Case Number: 61248					
Spill Location: 8851 DICE RD					
Source Agency: N					
Discharger Name: VIGIL, ED					
Discharger Org: SOUTHERN CAL CHEMICAL					
Material Spilled: CHLORINE, 10.00 (LBS)					
Waterway Affected: AIR					
Fields Not Reported: Discharger Phone					
Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
YES	NO	NO	NO	NO	NO

VISTA Address*:	SO CAL CHEM CO. 8851 DICE RD SANTA FE SPRINGS, CA 90670	VISTA ID#:	200056759
		Distance/Direction:	0.00 MI / ADJACENT
		Plotted as:	Point

Map ID  
**2A**

ERNS - Emergency Response Notification System / SRC# 3006		Agency ID:	91-5831		
Agency Address: SAME AS ABOVE					
Spill Date Time: AUGUST 27, 1991 08:52:00 AM					
Case Number: 91-5831					
Spill Location: 8851 DICE RD					
Source Agency: E					
Discharger Org: SO CAL CHEM CO.					
Material Spilled: HYDROCHLORIC ACID, 0.00 (UNK)					
Waterway Affected: NONE					
Fields Not Reported: Discharger Name, Discharger Phone					
Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
YES	NO	NO	NO	NO	NO

DICE 01938





**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.**

VISTA Address*:	SO. CAL CHEMICALS 8851 DICE RD SANTA FE SPRINGS, CA 90670	VISTA ID#:	200037055		
		Distance/Direction:	0.00 MI / ADJACENT		
		Plotted as:	Point		
<b>ERNS - Emergency Response Notification System / SRC# 3006</b>		Agency ID:	91-2667		
Agency Address:	SAME AS ABOVE				
Spill Date Time:	FEBRUARY 26, 1991 09:00:00 AM				
Case Number:	91-2667				
Spill Location:	8851 DICE RD				
Source Agency:	E				
Discharger Org:	SO. CAL CHEMICALS				
Material Spilled:	CHLORINE, 10.00 (LBS)				
Waterway Affected:	NONE				
Fields Not Reported:	Discharger Name, Discharger Phone				
Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
YES	NO	NO	NO	NO	NO

Map ID  
**2A**

VISTA Address*:	SO CAL. CHEMICALS 8851 DICE RD SANTA FE SPRINGS, CA 90670	VISTA ID#:	200037056		
		Distance/Direction:	0.00 MI / ADJACENT		
		Plotted as:	Point		
<b>ERNS - Emergency Response Notification System / SRC# 3006</b>		Agency ID:	91-2668		
Agency Address:	SO CAL. CHEMICALS 8851 DICE RD SANTA FE SPRINGS, CA 90740				
Spill Date Time:	FEBRUARY 26, 1991 08:15:00 AM				
Case Number:	91-2668				
Spill Location:	8851 DICE RD				
Source Agency:	E				
Discharger Org:	SO CAL. CHEMICALS				
Material Spilled:	CHLORINE GAS, 0.00 (UNK)				
Waterway Affected:	NONE				
Fields Not Reported:	Discharger Name, Discharger Phone				
Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
YES	NO	NO	NO	NO	NO

Map ID  
**2A**

VISTA Address*:	SOUTHERN CALIFORNIA CHEMICAL 8851 DICE RD SANTA FE SPRINGS, CA 90670	VISTA ID#:	200339400		
		Distance/Direction:	0.00 MI / ADJACENT		
		Plotted as:	Point		
<b>ERNS - Emergency Response Notification System / SRC# 3006</b>		Agency ID:	94-4665		
Agency Address:	SAME AS ABOVE				
Spill Date Time:	MAY 31, 1994 10:39:00 PM				
Case Number:	94-4665				
Spill Location:	8851 DICE RD				
Source Agency:	E				
Discharger Name:	UNKNOWN				
Discharger Org:	SOUTHERN CALIFORNIA CHEMICAL				
Material Spilled:	HYDROCHLORIC ACID, 4.00 (GAL)				
Fields Not Reported:	Discharger Phone, Waterway Affected				
Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
NO	YES	NO	NO	NO	NO

Map ID  
**2A**



DICE 01939

\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #19

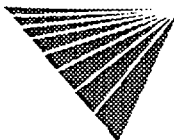
PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

VISTA Address:	SO CA CHEM CO INC 8851 DICE RD SANTA FE SPRINGS, CA 90670	VISTA ID#:	1183441
		Distance/Direction:	0.00 MI / ADJACENT
		Plotted as:	Point
CERCLIS / SRC# 2977		EPA ID:	CAD008488025
Agency Address:	SAME AS ABOVE		
NPL Status:	NOT A PROPOSED, CURRENT, OR DELETED NPL SITE		
Site Ownership:	UNKNOWN		
Lead Agency:	NOT AVAILABLE		
Site Description:	NOT REPORTED		
Event Type:	Lead Agency:	Event Status:	Start Date: Completion Date:
DISCOVERY	STATE, FUND FINANCED	UNKNOWN	NOT REPORTED FEBRUARY 1, 1986
UNKNOWN	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED JULY 15, 1987
UNKNOWN	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED SEPTEMBER 30, 1987
PRELIMINARY ASSESSMENT	STATE, FUND FINANCED	DEFERRED TO RCRA (SUBTITLE C) OR NRC	DECEMBER 1, 1985 DECEMBER 1, 1987
SCREENING SITE INSPECTION	STATE, FUND FINANCED	DEFERRED TO RCRA (SUBTITLE C) OR NRC	NOT REPORTED SEPTEMBER 8, 1989
Regional CERCLIS / SRC# 2462		EPA ID:	CAD008488025
Agency Address:	SO CA CHEM CO INC 8851 DICE RD SANTA FE SPRINGS, CA 906700118		
Regional Utility Description: NEW CERCLIS SITE			
Regional CERCLIS / SRC# 2462		EPA ID:	CAD008488025
Agency Address:	SO CA CHEM CO INC 8851 DICE RD SANTA FE SPRINGS, CA 906700118		
Regional Utility Description: CALIFORNIA 3012 SITE			
Regional CERCLIS / SRC# 2462		EPA ID:	CAD008488025
Agency Address:	SO CA CHEM CO INC 8851 DICE RD SANTA FE SPRINGS, CA 906700118		
Regional Utility Description: RCRA REGULATED: GENERATOR SEE NOTIFICATION FILE			
Regional CERCLIS / SRC# 2462		EPA ID:	CAD008488025
Agency Address:	SO CA CHEM CO INC 8851 DICE RD SANTA FE SPRINGS, CA 906700118		
Regional Utility Description: IMPOUNDMENTS (SURFACE)			
Regional CERCLIS / SRC# 2462		EPA ID:	CAD008488025
Agency Address:	SO CA CHEM CO INC 8851 DICE RD SANTA FE SPRINGS, CA 906700118		
Regional Utility Description: ABOVE GROUND TANK(RAINWATER, WASTE WATER TREATMENT HOLDING)- HA			
Regional CERCLIS / SRC# 2462		EPA ID:	CAD008488025
Agency Address:	SO CA CHEM CO INC 8851 DICE RD SANTA FE SPRINGS, CA 906700118		
Regional Utility Description: Z WASTE			

Map ID

2A

DICE 01940



**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.**

<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008488025
<b>Agency Address:</b> SO CA CHEM CO INC 8851 DICE RD SANTA FE SPRINGS, CA 906700118		
<b>Regional Utility Description:</b> OTHER: COPPER SLUDGE CEMENT PONDS, COLLECTION SUMP		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008488025
<b>Agency Address:</b> SO CA CHEM CO INC 8851 DICE RD SANTA FE SPRINGS, CA 906700118		
<b>Regional Utility Description:</b> UNDERGROUND TANKS- GASOLINE DIESEL		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008488025
<b>Agency Address:</b> SO CA CHEM CO INC 8851 DICE RD SANTA FE SPRINGS, CA 906700118		
<b>Regional Utility Description:</b> UNDERGROUND TANKS- HAZ WASTES: ACID SOLUTIONS		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008488025
<b>Agency Address:</b> SO CA CHEM CO INC 8851 DICE RD SANTA FE SPRINGS, CA 906700118		
<b>Regional Utility Description:</b> DRUMS, ABOVE GROUND		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008488025
<b>Agency Address:</b> SO CA CHEM CO INC 8851 DICE RD SANTA FE SPRINGS, CA 906700118		
<b>Regional Utility Description:</b> HEAVY METALS: IRON, COPPER, CHROMIUM, ZINC, NICKEL, AMMONIA ZINC		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008488025
<b>Agency Address:</b> SO CA CHEM CO INC 8851 DICE RD SANTA FE SPRINGS, CA 906700118		
<b>Regional Utility Description:</b> OXIDE		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008488025
<b>Agency Address:</b> SO CA CHEM CO INC 8851 DICE RD SANTA FE SPRINGS, CA 906700118		
<b>Regional Utility Description:</b> ACIDS: CHROMIC, SULFURIC, HYDROCHLORIC		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008488025
<b>Agency Address:</b> SO CA CHEM CO INC 8851 DICE RD SANTA FE SPRINGS, CA 906700118		
<b>Regional Utility Description:</b> BASES: ALKALINE WASTE WATER		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008488025
<b>Agency Address:</b> SO CA CHEM CO INC 8851 DICE RD SANTA FE SPRINGS, CA 906700118		
<b>Regional Utility Description:</b> OTHER: WASTE WATER, SURFACE RUNOFF, SLUDGE FROM TREATMENT POND		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008488025
<b>Agency Address:</b> SO CA CHEM CO INC 8851 DICE RD SANTA FE SPRINGS, CA 906700118		
<b>Regional Utility Description:</b> INORGANICS: CHLORIDE, CHLORINE		

DICE 01941



**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT:**

<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008488025
<b>Agency Address:</b>	SO CA CHEM CO INC 8851 DICE RD SANTA FE SPRINGS, CA 906700118	
<b>Regional Utility Description:</b>	BASES: SODIUM HYDROXIDE	
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008488025
<b>Agency Address:</b>	SO CA CHEM CO INC 8851 DICE RD SANTA FE SPRINGS, CA 906700118	
<b>Regional Utility Description:</b>	OTHER: SPENT AMMONICAL ETCHANT, SODIUM, AMMONIA	
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008488025
<b>Agency Address:</b>	SO CA CHEM CO INC 8851 DICE RD SANTA FE SPRINGS, CA 906700118	
<b>Regional Utility Description:</b>	HIGH PRIORITY REFERRAL TO RCRA	

<b>VISTA Address*:</b>	<b>PHIBRO TECH INC</b> 8851 DICE RD SANTA FE SPRINGS, CA 90670	<b>VISTA ID#:</b>	5241067	Map ID <b>2A</b>
		<b>Distance/Direction:</b>	0.00 MI / ADJACENT	
		<b>Plotted as:</b>	Point	

<b>CORRACTS / SRC# 3057</b>	EPA ID:	CAD008488025
<b>Agency Address:</b>	PHIBRO TECH INC 8851 DICE RD SANTA FE SPRINGS, CA 906700118	
<b>Prioritization Status:</b>	HIGH	
<b>RCRA Facility Assessment Completed:</b>	YES	
<b>Notice of Contamination:</b>	NO	
<b>Determination of need For a RFI (RCRA Facility Investigation):</b>	NO	
<b>RFI Imposed:</b>	YES	
<b>RFI Workplan Notice of Deficiency Issued:</b>	NO	
<b>RFI Workplan Approved:</b>	YES	
<b>RFI Report Received:</b>	NO	
<b>RFI Approved:</b>	NO	
<b>No Further Corrective Action at this Time:</b>	NO	
<b>Stabilization Mesaures Evaluation:</b>	YES	
<b>CMS (Corrective Measure Study) Imposition:</b>	YES	
<b>CMS Workplan Approved:</b>	YES	
<b>CMS Report Received:</b>	NO	
<b>CMS Approved:</b>	YES	
<b>Date for Remedy Selection (CM Imposed):</b>	NO	
<b>Corrective Measures Design Approved:</b>	NO	
<b>Corrective Measures Investigation Workplan Approved:</b>	NO	
<b>Certification of Remedy Completion:</b>	NO	
<b>Stabilization Measures Implementation:</b>	YES	
<b>Stabilization Measures Completed:</b>	NO	
<b>Corrective Action Process Termination:</b>	NO	

DICE 01942



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #22

**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.**

<b>RCRA-TSD / SRC# 3057</b>		<b>EPA ID:</b>	<b>CAD008488025</b>
Agency Address:	SAME AS ABOVE		
Off-Site Waste Received:	NO		
Land Disposal:	YES		
Incinerator:	NO		
Storage/Treatment:	YES		
<b>RCRA-LgGen - RCRA-Large Generator / SRC# 3057</b>		<b>EPA ID:</b>	<b>CAD008488025</b>
Agency Address:	SAME AS ABOVE		
Generator Class:	GENERATORS WHO GENERATE AT LEAST 1000 KG/MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG/MONTH OF ACUTELY HAZARDOUS WASTE.		
<b>RCRA-Violations / SRC# 3057</b>		<b>EPA ID:</b>	<b>CAD008488025</b>
Agency Address:	PHIBRO TECH INC 8851 DICE RD SANTA FE SPRINGS, CA 906700118		
Violation Type:	TSD-GROUNDWATER MONITORING REQ.		
Violation Date:	JUNE 23, 1993		
Violation Class:	1		
Actual Compliance Date:	NOT REPORTED		
Scheduled Compliance Date:	NOT REPORTED		
Violation Type:	TSD-FINANCIAL RESPONSIBILITY REQ.		
Violation Date:	FEBRUARY 24, 1987		
Violation Class:	1		
Actual Compliance Date:	OCTOBER 14, 1988		
Scheduled Compliance Date:	NOT REPORTED		
Violation Type:	TSD-FINANCIAL RESPONSIBILITY REQ.		
Violation Date:	JANUARY 23, 1991		
Violation Class:	1		
Actual Compliance Date:	NOT REPORTED		
Scheduled Compliance Date:	NOT REPORTED		
Violation Type:	TSD-OTHER REQUIREMENTS (OVERSITE LEVEL)		
Violation Date:	MAY 17, 1989		
Violation Class:	1		
Actual Compliance Date:	FEBRUARY 8, 1991		
Scheduled Compliance Date:	NOT REPORTED		
Violation Type:	TSD-GROUNDWATER MONITORING REQ.		
Violation Date:	JUNE 15, 1988		
Violation Class:	1		
Actual Compliance Date:	NOT REPORTED		
Scheduled Compliance Date:	NOT REPORTED		
Violation Type:	TSD-FINANCIAL RESPONSIBILITY REQ.		
Violation Date:	FEBRUARY 8, 1988		
Violation Class:	1		
Actual Compliance Date:	OCTOBER 4, 1988		
Scheduled Compliance Date:	APRIL 10, 1988		
Violation Type:	TSD-OTHER REQUIREMENTS (OVERSITE LEVEL)		
Violation Date:	MARCH 14, 1990		
Violation Class:	1		
Actual Compliance Date:	FEBRUARY 8, 1991		
Scheduled Compliance Date:	AUGUST 5, 1990		
Violation Type:	TSD-FINANCIAL RESPONSIBILITY REQ.		
Violation Date:	MARCH 14, 1990		
Violation Class:	1		
Actual Compliance Date:	FEBRUARY 8, 1991		
Scheduled Compliance Date:	AUGUST 5, 1990		

DICE 01943



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

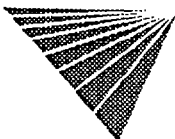
Version 2.4.1

Page #23

PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

Enforcement Number:	870326
Enforcement Agency:	State
Action Date:	MARCH 26, 1987
Action Type:	WRITTEN INFORMAL
Penalty Assessed:	NOT REPORTED
Penalty Settlement:	NOT REPORTED
Enforcement Number:	870828
Enforcement Agency:	State
Action Date:	AUGUST 28, 1987
Action Type:	3008(A) COMPLIANCE ORDER
Penalty Assessed:	138800
Penalty Settlement:	NOT REPORTED
Enforcement Number:	880310002
Enforcement Agency:	State
Action Date:	MARCH 10, 1988
Action Type:	WRITTEN INFORMAL
Penalty Assessed:	NOT REPORTED
Penalty Settlement:	NOT REPORTED
Enforcement Number:	880615
Enforcement Agency:	State
Action Date:	JUNE 15, 1988
Action Type:	STATE TO EPA REFFERAL
Penalty Assessed:	NOT REPORTED
Penalty Settlement:	NOT REPORTED
Enforcement Number:	881208003
Enforcement Agency:	EPA
Action Date:	DECEMBER 8, 1988
Action Type:	3008(H)INTERIM STATUS CORRECTIVE ORDER
Penalty Assessed:	NOT REPORTED
Penalty Settlement:	NOT REPORTED
Enforcement Number:	890706005
Enforcement Agency:	State
Action Date:	JULY 6, 1989
Action Type:	WRITTEN INFORMAL
Penalty Assessed:	NOT REPORTED
Penalty Settlement:	NOT REPORTED
Enforcement Number:	891006004
Enforcement Agency:	State
Action Date:	OCTOBER 6, 1989
Action Type:	3008(A) COMPLIANCE ORDER
Penalty Assessed:	12000
Penalty Settlement:	12000
Enforcement Number:	900705006
Enforcement Agency:	EPA
Action Date:	JULY 5, 1990
Action Type:	WRITTEN INFORMAL
Penalty Assessed:	NOT REPORTED
Penalty Settlement:	NOT REPORTED

DICE 01944



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #24

**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.**

Enforcement Number:	910228007
Enforcement Agency:	State
Action Date:	FEBRUARY 28, 1991
Action Type:	WRITTEN INFORMAL
Penalty Assessed:	NOT REPORTED
Penalty Settlement:	NOT REPORTED
Enforcement Number:	940110
Enforcement Agency:	State
Action Date:	JANUARY 10, 1994
Action Type:	WRITTEN INFORMAL
Penalty Assessed:	NOT REPORTED
Penalty Settlement:	NOT REPORTED

VISTA Address*:	AIR LIQUIDE AMERICA CORP.	VISTA ID#:	5520500
	COMPRESSED GA	Distance/Direction:	0.00 MI / ADJACENT
	8832 DICE RD. SANTA FE SPRINGS, CA 90670	Plotted as:	Point

Map ID  
**2B**

TRIS - Toxic Release Inventory System / SRC# 2587	EPA ID:	CAD000021160
Agency Address:	SAME AS ABOVE	
Chemical Abstract Service Registry:	Quantity Released:	
ACETONE	651.00 (POUNDS)	

VISTA Address*:	LIQUID AIR CORP	VISTA ID#:	245933
	8832 DICE RD	Distance/Direction:	0.00 MI / ADJACENT
	SANTA FE SPRINGS, CA 90670	Plotted as:	Point

Map ID  
**2B**

CERCLIS / SRC# 2977				
Agency Address:	SAME AS ABOVE			
NPL Status:	NOT A PROPOSED, CURRENT, OR DELETED NPL SITE			
Site Ownership:	UNKNOWN			
Lead Agency:	NO DETERMINATION			
Site Description:	NOT REPORTED			
Event Type:	Lead Agency:	Event Status:	Start Date:	Completion Date:
DISCOVERY	STATE, FUND FINANCED	UNKNOWN	NOT REPORTED	NOVEMBER 1, 1986
PRELIMINARY ASSESSMENT	STATE, FUND FINANCED	UNKNOWN	NOVEMBER 1, 1986	JUNE 1, 1987
PRELIMINARY ASSESSMENT	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	AUGUST 1, 1988
SCREENING SITE INSPECTION	EPA FUND-FINANCED	NO FURTHER REMEDIAL ACTION PLANNED	NOT REPORTED	MARCH 23, 1990
SCREENING SITE INSPECTION	EPA FUND-FINANCED	NO FURTHER REMEDIAL ACTION PLANNED	NOT REPORTED	JUNE 8, 1993

Regional CERCLIS / SRC# 2462	EPA ID:	CAD003312600
------------------------------	---------	--------------

Agency Address:	SAME AS ABOVE	
Regional Utility Description:	ABOVE GR TANKS - ACETYLENE, CARON DIOXIDE, NITROUS OXIDE, ARGON,	

Regional CERCLIS / SRC# 2462	EPA ID:	CAD003312600
------------------------------	---------	--------------

Agency Address:	SAME AS ABOVE	
Regional Utility Description:	OXYGEN, NITROGEN, HELIUM	

DICE 01945



**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.**

<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD003312600
Agency Address: SAME AS ABOVE		
Regional Utility Description: ABV GR TANKS - HELIUM, HYDROGEN, PROPANE, FULE GAS, LIME AND ACE		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD003312600
Agency Address: SAME AS ABOVE		
Regional Utility Description: TYLENE SLUDGE (LIQUID AIR CORP)		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD003312600
Agency Address: SAME AS ABOVE		
Regional Utility Description: OTHER - SPRAY COOLING WATER, ACETYLENE PROCESS WSTWATER, PAINT S		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD003312600
Agency Address: SAME AS ABOVE		
Regional Utility Description: KIMMING (LIQUID AIR CORP)		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD003312600
Agency Address: SAME AS ABOVE		
Regional Utility Description: CA 3012 SITE		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD003312600
Agency Address: SAME AS ABOVE		
Regional Utility Description: NEW CERCLIS SITE		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD003312600
Agency Address: SAME AS ABOVE		
Regional Utility Description: PIT- ACETYLENE SLUDGE, DISPOSED INTO UNLINED PIT SINCE 1949.		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD003312600
Agency Address: SAME AS ABOVE		
Regional Utility Description: SOIL CONTAM - 1964 CAUSTIC WASTES DISCHARGED ONTO PROPERTY		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD003312600
Agency Address: SAME AS ABOVE		
Regional Utility Description: OTHER- 1977 SPRAY COOLING WATER ACETYLENE SLUDGEDISCHARGED INT		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD003312600
Agency Address: SAME AS ABOVE		
Regional Utility Description: O COYOTE CREEK		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD003312600
Agency Address: SAME AS ABOVE		
Regional Utility Description: OTHER - PRODUCT WASTES- CARBIDE SLUDGE, COOLING WATER BLEED OFF,		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD003312600
Agency Address: SAME AS ABOVE		
Regional Utility Description: CAUSTICS, BRINE, LUB OIL, LIME		

DICE 01946



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #26



**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.**

<b>SCL - State Equivalent CERCLIS List / SRC# 2825</b>		Agency ID:	19280766
Agency Address:	LIQUID AIR 8832 DICE ROAD SANTA FE SPRINGS, CA 90670		
Facility Type:	NOT AVAILABLE		
Lead Agency:	NOT AVAILABLE		
State Status:	NO FURTHER ACTION FOR DTSC		
Pollutant 1:	LIME SLUDGE		
Pollutant 2:	WASTE OIL MIXED OIL		
Pollutant 3:	OXYGENATED SOLVENTS		
Fields Not Reported:	Status		
<b>STATE LUST - State Leaking Underground Storage Tank / SRC# 3056</b>		Agency ID:	I-00225
Agency Address:	LIQUID AIR CORP 8832 DICE RD SANTA FE SPRI, CA 90670		
Tank Status:	NOT AVAILABLE		
Media Affected:	SOIL/SAND/LAND		
Substance:	DIESEL		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	PRELIMINARY ASSESSMENT		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source		
<b>Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3104</b>		Agency ID:	I-00225
Agency Address:	LIQUID AIR CORP. 8832 DICE RD S SANTA FE SPRINGS, CA 90670		
Tank Status:	NOT AVAILABLE		
Discovery Date:	APRIL 20, 1990		
Media Affected:	SOIL/SAND/LAND		
Substance:	DIESEL		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	PRELIMINARY ASSESSMENT		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units), Leak Source		
<b>STATE UST - State Underground Storage Tank / SRC# 1612</b>		EPA/Agency ID:	N/A
Agency Address:	LIQUID AIR INC 8832 S DICE SANTE FE SPRINGS, CA 90670		
Underground Tanks:	1		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		
Tank ID:	1U	Tank Status:	CLOSED
Tank Contents:	OIL(NOT SPECIFIED)	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	BARE STEEL
Tank Size (Units):	2000 (GALLONS)	Tank Material:	CONCRETE
<b>CORTESE / SRC# 2298</b>		EPA/Agency ID:	N/A
Agency Address:	LIQUID AIR 8832 DICE RD S. SANTA FE SPRINGS, CA 90670		
List Name:	CALSITE		
Site ID:	INV-ID19-002529		

DICE 01947



**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.**

<b>CORTESE / SRC# 2298</b>		EPA/Agency ID:	N/A
Agency Address:	LIQUID AIR CORP. 8832 DICE RD S. SANTA FE SPRINGS, CA 90670		
List Name:	LEAKING TANK		
Site ID:	INV-ID19-002529		

VISTA Address*	<b>BURDETT OXYGEN COMPANY OF CALIFORNIA</b> 8832-8838 SOUTH DICE ROAD SANTA FE SPRINGS, CA 90670	VISTA ID#:	62680
		Distance/Direction:	<0.01 MI / SE
		Plotted as:	Point

Map ID  
**2B**

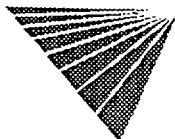
<b>SPL - State Equivalent Priority List / SRC# 2826</b>		Agency ID:	19280224
Agency Address:	SAME AS ABOVE		
Status:	NON-NPL SITE		
Facility Type:	NOT AVAILABLE		
Lead Agency:	EPA FUND-FINANCED		
State Status:	ANNUAL WORK PLAN		
Pollutant 1:	HALOGENATED ORGANIC COMPOUNDS		
Pollutant 2:	UNSPECIFIED SLUDGE WASTE		
Pollutant 3:	PAINT SLUDGE		

<b>CERCLIS / SRC# 2977</b>		EPA ID:	CAD982359747	
Agency Address:	BURDETT OXYGEN CO OF CA #1 8838 S DICE RD SANTA FE SPRINGS, CA 90670			
NPL Status:	NOT A PROPOSED, CURRENT, OR DELETED NPL SITE			
Site Ownership:	PRIVATE/NON-GOVERNMENTAL			
Lead Agency:	NO DETERMINATION			
Site Description:	NOT REPORTED			
<b>Event Type:</b>	<b>Lead Agency:</b>	<b>Event Status:</b>	<b>Start Date:</b>	<b>Completion Date:</b>
DISCOVERY	STATE, FUND FINANCED	UNKNOWN	NOT REPORTED	JANUARY 1, 1988
PRELIMINARY ASSESSMENT	STATE, FUND FINANCED	NO FURTHER REMEDIAL ACTION PLANNED	NOT REPORTED	AUGUST 1, 1988
SCREENING SITE INSPECTION	EPA FUND-FINANCED	NO FURTHER REMEDIAL ACTION PLANNED	NOT REPORTED	OCTOBER 4, 1989

<b>Regional CERCLIS / SRC# 2462</b>		EPA ID:	CAD982359747
Agency Address:	BURDETT OXYGEN CO OF CA #1 8838 S DICE RD SANTA FE SPRINGS, CA 90670		
Regional Utility Description:	NEW CERCLIS SITE		

<b>Regional CERCLIS / SRC# 2462</b>		EPA ID:	CAD982359747
Agency Address:	BURDETT OXYGEN CO OF CA #1 8838 S DICE RD SANTA FE SPRINGS, CA 90670		
Regional Utility Description:	MEDIUM PRIORITY		

DICE 01948



**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.**

VISTA Address*:	<b>PILOT CHEMICAL 11756 BURKE AVE SANTA FE SPRINGS, CA 90670</b>	VISTA ID#:	200066074
		Distance/Direction:	0.02 MI / N
		Plotted as:	Point
<b>ERNS - Emergency Response Notification System / SRC# 3006</b>		Agency ID:	92-0997
Agency Address:	SAME AS ABOVE		
Spill Date Time:	NOVEMBER 11, 1991 04:00:00 AM		
Case Number:	92-0997		
Spill Location:	11756 BURKE AVE		
Source Agency:	E		
Discharger Org:	PILOT CHEMICAL		
Material Spilled:	SULFUR DIOXIDE, 400.00 (LBS)		
Fields Not Reported:	Discharger Name, Discharger Phone, Waterway Affected		
Air Release:	Land Release:	Water Release:	Ground Release:
NO	YES	NO	NO
			Facility Release:
			YES
			Other Release:
			NO

Map ID  
**3**

VISTA Address*:	<b>PILOT CHEMICAL 11756 BURKE ST SANTA FE SPRINGS, CA 90670</b>	VISTA ID#:	200242066
		Distance/Direction:	0.02 MI / N
		Plotted as:	Point
<b>ERNS - Emergency Response Notification System / SRC# 3006</b>		Agency ID:	93-2313
Agency Address:	PILOT CHEMICAL 11756 BURKE ST SANTA FE, CA 90670		
Spill Date Time:	FEBRUARY 12, 1993 05:00:00 AM		
Case Number:	93-2313		
Spill Location:	11756 BURKE ST		
Source Agency:	E		
Discharger Org:	PILOT CHEMICAL		
Material Spilled:	DODECYLBENZENESULFONIC ACID, 1500.00 (GAL)		
Fields Not Reported:	Discharger Name, Discharger Phone, Waterway Affected		
Air Release:	Land Release:	Water Release:	Ground Release:
NO	YES	NO	NO
			Facility Release:
			NO
			Other Release:
			NO

Map ID  
**3**

VISTA Address*:	<b>PILOT CHEMICAL COMPANY 11756 BURKE ST SANTA FE SPRINGS, CA 90670</b>	VISTA ID#:	5352338
		Distance/Direction:	0.02 MI / N
		Plotted as:	Point
<b>CORTESE / SRC# 2298</b>		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
List Name:	LEAKING TANK		
Site ID:	INV-ID19-002089		

Map ID  
**3**

DICE 01949



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #29

**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT:**

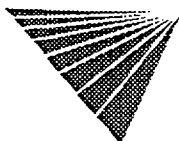
VISTA Address*:	PILOT CHEMICAL		VISTA ID#:	200218007
	11756 BURKE ST		Distance/Direction:	0.02 MI / N
	SANTA FE SPRINGS, CA 90670		Plotted as:	Point
<b>ERNS - Emergency Response Notification System / SRC# 3006</b>			Agency ID:	93-2313
Agency Address:		PILOT CHEMICAL 11756 BURKE ST SANTA FE, CA 90670		
Spill Date Time:		FEBRUARY 12, 1993 05:00:00 AM		
Case Number:		93-2313		
Spill Location:		11756 BURKE ST		
Source Agency:		E		
Discharger Org:		PILOT CHEMICAL		
Material Spilled:		DODECYLBENZENESULFONIC ACID, 1500.00 (GAL)		
Fields Not Reported:		Discharger Name, Discharger Phone, Waterway Affected		
Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:
NO	YES	NO	NO	NO

Map ID  
**3**

VISTA Address*:	PILOT CHEM CO		VISTA ID#:	330653
	11756 BURKE ST		Distance/Direction:	0.02 MI / N
	SANTA FE SPRINGS, CA 90670		Plotted as:	Point
<b>CERCLIS / SRC# 2977</b>			EPA ID:	CAD008287823
Agency Address:		SAME AS ABOVE		
NPL Status:		NOT A PROPOSED, CURRENT, OR DELETED NPL SITE		
Site Ownership:		UNKNOWN		
Lead Agency:		NO DETERMINATION		
Site Description:		NOT REPORTED		
Event Type:	Lead Agency:	Event Status:	Start Date:	Completion Date:
DISCOVERY	STATE, FUND FINANCED	UNKNOWN	NOT REPORTED	APRIL 1, 1985
PRELIMINARY ASSESSMENT	STATE, FUND FINANCED	UNKNOWN	APRIL 1, 1985	JULY 1, 1985
SCREENING SITE INSPECTION	EPA FUND-FINANCED	NO FURTHER REMEDIAL ACTION PLANNED	NOT REPORTED	APRIL 1, 1986
PRELIMINARY ASSESSMENT	EPA FUND-FINANCED	NO FURTHER REMEDIAL ACTION PLANNED	NOT REPORTED	MARCH 15, 1989
<b>Regional CERCLIS / SRC# 2462</b>			EPA ID:	CAD008287823
Agency Address:		SAME AS ABOVE		
Regional Utility Description:				
OTHER: SULPHURIC ACID SLUDGE, SULPHONIC ACID SLUDGE, SULGONE SLUD				
<b>Regional CERCLIS / SRC# 2462</b>			EPA ID:	CAD008287823
Agency Address:		SAME AS ABOVE		
Regional Utility Description:				
GE (CONTAINING SOME XYLENE)				
<b>Regional CERCLIS / SRC# 2462</b>			EPA ID:	CAD008287823
Agency Address:		SAME AS ABOVE		
Regional Utility Description:				
OTHER: SEWER INTERCEPTOR SLUDGE				
<b>Regional CERCLIS / SRC# 2462</b>			EPA ID:	CAD008287823
Agency Address:		SAME AS ABOVE		
Regional Utility Description:				
ABOVE GROUND TANK- HAZARDOUS WASTE				

Map ID  
**3**

DICE 01950



\* VISTA address includes enhanced city and ZIP.  
For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.  
Report ID: 113596-001 Date of Report: September 3, 1996

Version 2.4.1

Page #30

**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT:**

<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008287823
Agency Address: SAME AS ABOVE		
Regional Utility Description: DRUMS, ABOVE GROUND		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008287823
Agency Address: SAME AS ABOVE		
Regional Utility Description: SOIL CONTAMINATION		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008287823
Agency Address: SAME AS ABOVE		
Regional Utility Description: CALIFORNIA 3012 SITE		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008287823
Agency Address: SAME AS ABOVE		
Regional Utility Description: NEWERRIS SITE		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008287823
Agency Address: SAME AS ABOVE		
Regional Utility Description: SITE INSPECTION		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008287823
Agency Address: SAME AS ABOVE		
Regional Utility Description: RPM BLEVINS SHOULD CALL JOHN HUNTER AT SANTA FE SPRINGS PUBLIC W		
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008287823
Agency Address: SAME AS ABOVE		
Regional Utility Description: ORKS DEPT FOR FOLLOW UP IN SEPT 87		
<b>RCRA-LgGen - RCRA-Large Generator / SRC# 3057</b>	EPA ID:	CAD008287823
Agency Address:	PILOT CHEM CO OF CA 11756 BURKE ST SANTA FE SPRINGS, CA 90670	
Generator Class:	GENERATORS WHO GENERATE AT LEAST 1000 KG/MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG/MONTH OF ACUTELY HAZARDOUS WASTE.	
<b>STATE LUST - State Leaking Underground Storage Tank / SRC# 3056</b>	Agency ID:	906700107
Agency Address:	CALIFORNIA PILOT CHEMICAL CO. 11756 BURKE ST. SANTA FE SPRI, CA 90670	
Tank Status:	NOT AVAILABLE	
Media Affected:	GROUNDWATER	
Substance:	DIESEL	
Leak Cause:	UNAVAILABLE	
Remedial Action:	NOT AVAILABLE	
Remedial Status 1:	CONTAMINATION ASSESSMENT	
Remedial Status 2:	NOT AVAILABLE	
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source	

DICE 01951



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #31

**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.**

<b>Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3104</b>		Agency ID:	I-02254
<b>Agency Address:</b>	PILOT CHEMICAL COMPANY 11756 BURKE ST SANTA FE SPRINGS, CA 90670		
<b>Tank Status:</b>	NOT AVAILABLE		
<b>Discovery Date:</b>	SEPTEMBER 21, 1988		
<b>Media Affected:</b>	GROUNDWATER		
<b>Substance:</b>	DIESEL		
<b>Leak Cause:</b>	UNAVAILABLE		
<b>Remedial Action:</b>	NOT AVAILABLE		
<b>Remedial Status 1:</b>	CONTAMINATION ASSESSMENT		
<b>Remedial Status 2:</b>	NOT AVAILABLE		
<b>Fields Not Reported:</b>	Quantity (Units), Leak Source		
<b>STATE UST - State Underground Storage Tank / SRC# 1612</b>		EPA/Agency ID:	N/A
<b>Agency Address:</b>	PILOT CHEMICAL COMPANY 11756 BURKE SANTA FE SPRINGS, CA 90670		
<b>Underground Tanks:</b>	9		
<b>Aboveground Tanks:</b>	NOT REPORTED		
<b>Tanks Removed:</b>	NOT REPORTED		
<b>Tank ID:</b>	1U	<b>Tank Status:</b>	CLOSED REMOVED
<b>Tank Contents:</b>	MISC. CHEMICAL	<b>Leak Monitoring:</b>	UNKNOWN
<b>Tank Age:</b>	NOT REPORTED	<b>Tank Piping:</b>	UNKNOWN
<b>Tank Size (Units):</b>	12000 (GALLONS)	<b>Tank Material:</b>	UNKNOWN
<b>Tank ID:</b>	2U	<b>Tank Status:</b>	CLOSED REMOVED
<b>Tank Contents:</b>	MISC. CHEMICAL	<b>Leak Monitoring:</b>	UNKNOWN
<b>Tank Age:</b>	NOT REPORTED	<b>Tank Piping:</b>	UNKNOWN
<b>Tank Size (Units):</b>	12000 (GALLONS)	<b>Tank Material:</b>	UNKNOWN
<b>Tank ID:</b>	3U	<b>Tank Status:</b>	CLOSED REMOVED
<b>Tank Contents:</b>	MISC. CHEMICAL	<b>Leak Monitoring:</b>	UNKNOWN
<b>Tank Age:</b>	NOT REPORTED	<b>Tank Piping:</b>	UNKNOWN
<b>Tank Size (Units):</b>	10000 (GALLONS)	<b>Tank Material:</b>	UNKNOWN
<b>Tank ID:</b>	4U	<b>Tank Status:</b>	CLOSED REMOVED
<b>Tank Contents:</b>	MISC. CHEMICAL	<b>Leak Monitoring:</b>	UNKNOWN
<b>Tank Age:</b>	NOT REPORTED	<b>Tank Piping:</b>	UNKNOWN
<b>Tank Size (Units):</b>	12000 (GALLONS)	<b>Tank Material:</b>	UNKNOWN
<b>Tank ID:</b>	5U	<b>Tank Status:</b>	CLOSED REMOVED
<b>Tank Contents:</b>	MISC. CHEMICAL	<b>Leak Monitoring:</b>	UNKNOWN
<b>Tank Age:</b>	NOT REPORTED	<b>Tank Piping:</b>	UNKNOWN
<b>Tank Size (Units):</b>	12000 (GALLONS)	<b>Tank Material:</b>	UNKNOWN
<b>Tank ID:</b>	6U	<b>Tank Status:</b>	ACTIVE IN SERVICE
<b>Tank Contents:</b>	REPORTED AS "UNKNOWN" BY AGENCY	<b>Leak Monitoring:</b>	UNKNOWN
<b>Tank Age:</b>	NOT REPORTED	<b>Tank Piping:</b>	UNKNOWN
<b>Tank Size (Units):</b>	NOT REPORTED (GALLONS)	<b>Tank Material:</b>	UNKNOWN
<b>Tank ID:</b>	7U	<b>Tank Status:</b>	ACTIVE IN SERVICE
<b>Tank Contents:</b>	REPORTED AS "UNKNOWN" BY AGENCY	<b>Leak Monitoring:</b>	UNKNOWN
<b>Tank Age:</b>	NOT REPORTED	<b>Tank Piping:</b>	UNKNOWN
<b>Tank Size (Units):</b>	NOT REPORTED (GALLONS)	<b>Tank Material:</b>	UNKNOWN
<b>Tank ID:</b>	8U	<b>Tank Status:</b>	ACTIVE IN SERVICE
<b>Tank Contents:</b>	REPORTED AS "UNKNOWN" BY AGENCY	<b>Leak Monitoring:</b>	UNKNOWN
<b>Tank Age:</b>	NOT REPORTED	<b>Tank Piping:</b>	UNKNOWN
<b>Tank Size (Units):</b>	NOT REPORTED (GALLONS)	<b>Tank Material:</b>	UNKNOWN

DICE 01952



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #32

**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.**

Tank ID:	9U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN

<b>LA Co Site Mtgn - LA County Site Mitigation / SRC# 2683</b>		Agency ID:	90S212
Agency Address:	PILOT CHEMICAL COMPANY 11756 BURKE ST CA 90670		
Waste Name:	TPH		
Media Affected:	SOIL		
Log Number:	903734		
Discovery Date:	OCTOBER 25, 1990		
Abate Date:	JUNE 1, 1992		
State Status:	ABATED		
Description:	NO FURTHER FOLLOW-UP REQUIRED.		

<b>TRIS - Toxic Release Inventory System / SRC# 2587</b>		EPA ID:	CAD008287823
Agency Address:	PILOT CHEMICAL CO. OF CALIFORNIA 11756 BURKE ST. SANTA FE SPRINGS, CA 90670		
<b>Chemical Abstract Service Registry:</b>	<b>Quantity Released:</b>		
DIETHANOLAMINE	132.00 (POUNDS)		
NOT REPORTED	1.00 (POUNDS)		
SULFURIC ACID	NOT REPORTED (POUNDS)		
MALEIC ANHYDRIDE	NOT REPORTED (POUNDS)		

VISTA Address*:	PILOT CHEMICAL COMPANY 11770 BURKE SANTA FE SPRINGS, CA 90670	VISTA ID#:	4020570
		Distance/Direction:	0.03 MI / N
		Plotted as:	Point

Map ID  
**3**

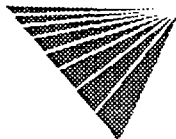
<b>STATE UST - State Underground Storage Tank / SRC# 1612</b>		EPA/Agency ID:	N/A
Agency Address:	PILOT CHEMICAL COMPANY 11770 BURKE SANTA FE SPRINGS, CA		
Underground Tanks:	NOT REPORTED		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		
Tank ID:	1U	Tank Status:	NOT AVAILABLE
Tank Contents:	NOT REPORTED	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	NOT AVAILABLE
Tank Size (Units):	NOT REPORTED (NOT AVAILABLE)	Tank Material:	NOT AVAILABLE

VISTA Address*:	FLIGHT TRUCKING 11770 BURKE STREET SANTA FE SPRINGS, CA 90670	VISTA ID#:	1194162
		Distance/Direction:	0.03 MI / N
		Plotted as:	Point

Map ID  
**3**

<b>STATE LUST - State Leaking Underground Storage Tank / SRC# 3056</b>		Agency ID:	014457
Agency Address:	FLIGHT TRUCKING 11770 BURKE STREET SANTA FE SPRI, CA 90670		
Tank Status:	NOT AVAILABLE		
Media Affected:	SOIL/SAND/LAND		
Substance:	DIESEL		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	CASE CLOSED/CLEANUP COMPLETE		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source		

DICE 01953



**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.**

<b>Regional LUST - Regional Leaking Underground Storage Tank /</b>		Agency ID:	014457
<b>SRC# 3104</b>			
Agency Address:	FLIGHT TRUCKING 11770 BURKE ST SANTA FE SPRINGS, CA 90670 NOT AVAILABLE		
Tank Status:	NOT AVAILABLE		
Discovery Date:	FEBRUARY 14, 1990		
Media Affected:	SOIL/SAND/LAND		
Substance:	DIESEL		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	CASE CLOSED/CLEANUP COMPLETE		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units), Leak Source		

VISTA Address*:	<b>DIVERSEY WYANDOTTE CORPORATION</b>	VISTA ID#:	5354007
	<b>8921 DICE RD</b>	Distance/Direction:	0.08 MI / S
	<b>SANTA FE SPRINGS, CA 90670</b>	Plotted as:	Point
<b>CORTESE / SRC# 2298</b>		EPA/Agency ID:	N/A
Agency Address:	DIVERSEY WYANDOTTE CORPORATION 8921 DICE RD SANTA FE SPRINGS, CA 906700000		
List Name:	CALSITE		
Site ID:	INV-ID19-029260		

Map ID  
**4**



**DICE 01954**



PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

VISTA Address*:	DIVERSEY CORP 8921 DICE RD SANTA FE SPRINGS, CA 90670	VISTA ID#:	123068
		Distance/Direction:	0.08 MI / S
		Plotted as:	Point
CORRACTS / SRC# 3057		EPA ID:	CAD046455747

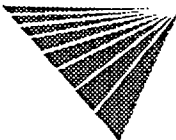
Map ID  
**4**

Agency Address:	SAME AS ABOVE
Prioritization Status:	MEDIUM
RCRA Facility Assessment Completed:	NO
Notice of Contamination:	NO
Determination of need For a RFI (RCRA Facility Investigation):	NO
RFI Imposed:	NO
RFI Workplan Notice of Deficiency Issued:	NO
RFI Workplan Approved:	NO
RFI Report Received:	NO
RFI Approved:	NO
No Further Corrective Action at this Time:	NO
Stabilization Mesasures Evaluation: CMS (Corrective Measure Study) Imposition:	YES
CMS Workplan Approved:	NO
CMS Report Received:	NO
CMS Approved:	NO
Date for Remedy Selection (CM Imposed):	NO
Corrective Measures Design Approved:	NO
Corrective Measures Investigation Workplan Approved:	NO
Certification of Remedy Completion:	NO
Stabilization Measures Implementation:	NO
Stabilization Measures Completed:	NO
Corrective Action Process Termination:	NO

RCRA-TSD / SRC# 3057	EPA ID:	CAD046455747
Agency Address:	SAME AS ABOVE	
Off-Site Waste Received:	NO	
Land Disposal:	NO	
Incinerator:	NO	
Storage/Treatment:	NO	

RCRA-LgGen - RCRA-Large Generator / SRC# 3057	EPA ID:	CAD046455747
Agency Address:	SAME AS ABOVE	
Generator Class:	GENERATORS WHO GENERATE AT LEAST 1000 KG/MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG/MONTH OF ACUTELY HAZARDOUS WASTE.	

RCRA-Violations / SRC# 3057	EPA ID:	CAD046455747
Agency Address:	SAME AS ABOVE	
Violation Type:	TSD--FINANCIAL RESPONSIBILITY REQ.	
Violation Date:	MARCH 1, 1988	
Violation Class:	1	
Actual Compliance Date:	JULY 13, 1992	
Scheduled Compliance Date:	NOT REPORTED	



**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.**

<b>Violation Type:</b>	TSD-OTHER REQUIREMENTS (OVERSITE LEVEL)
<b>Violation Date:</b>	MARCH 9, 1988
<b>Violation Class:</b>	1
<b>Actual Compliance Date:</b>	JANUARY 21, 1992
<b>Scheduled Compliance Date:</b>	MAY 18, 1988
<b>Violation Type:</b>	TSD-CLOSURE/POST-CLOSURE REQ.
<b>Violation Date:</b>	MARCH 9, 1988
<b>Violation Class:</b>	1
<b>Actual Compliance Date:</b>	JANUARY 21, 1992
<b>Scheduled Compliance Date:</b>	MAY 18, 1988
<b>Enforcement Number:</b>	861010
<b>Enforcement Agency:</b>	State
<b>Action Date:</b>	OCTOBER 10, 1986
<b>Action Type:</b>	WRITTEN INFORMAL
<b>Penalty Assessed:</b>	NOT REPORTED
<b>Penalty Settlement:</b>	NOT REPORTED
<b>Enforcement Number:</b>	880418001
<b>Enforcement Agency:</b>	State
<b>Action Date:</b>	APRIL 18, 1988
<b>Action Type:</b>	WRITTEN INFORMAL
<b>Penalty Assessed:</b>	NOT REPORTED
<b>Penalty Settlement:</b>	NOT REPORTED

<b>VISTA Address*:</b>	<b>DIVERSEY WYANDOTTE CORP</b> 8921 DICE RD SANTA FE SPRINGS, CA 90670	<b>VISTA ID#:</b>	517328
		<b>Distance/Direction:</b>	0.08 MI / S
		<b>Plotted as:</b>	Point
<b>CERCLIS / SRC# 2977</b>		<b>EPA ID:</b>	CAD046455747

Map ID  
**4**

<b>Agency Address:</b>	SAME AS ABOVE			
<b>NPL Status:</b>	NOT A PROPOSED, CURRENT, OR DELETED NPL SITE			
<b>Site Ownership:</b>	UNKNOWN			
<b>Lead Agency:</b>	NO DETERMINATION			
<b>Site Description:</b>	NOT REPORTED			
<b>Event Type:</b>	<b>Lead Agency:</b>	<b>Event Status:</b>	<b>Start Date:</b>	<b>Completion Date:</b>
DISCOVERY	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	AUGUST 1, 1980
PRELIMINARY ASSESSMENT	STATE, FUND FINANCED	UNKNOWN	JUNE 1, 1984	SEPTEMBER 1, 1984
PRELIMINARY ASSESSMENT	EPA FUND-FINANCED	NO FURTHER REMEDIAL ACTION PLANNED	NOT REPORTED	SEPTEMBER 10, 1990

<b>Regional CERCLIS / SRC# 2462</b>		<b>EPA ID:</b>	CAD046455747
<b>Agency Address:</b>	SAME AS ABOVE		
<b>Regional Utility Description:</b>	ACIDS		
<b>Regional CERCLIS / SRC# 2462</b>		<b>EPA ID:</b>	CAD046455747
<b>Agency Address:</b>	SAME AS ABOVE		
<b>Regional Utility Description:</b>	BASES		
<b>Regional CERCLIS / SRC# 2462</b>		<b>EPA ID:</b>	CAD046455747
<b>Agency Address:</b>	SAME AS ABOVE		
<b>Regional Utility Description:</b>	INORGANICS		

DICE 01956



**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.**

Regional CERCLIS / SRC# 2462	EPA ID:	CAD046455747
Agency Address:	SAME AS ABOVE	
Regional Utility Description:	ORGANICS	
Regional CERCLIS / SRC# 2462	EPA ID:	CAD046455747
Agency Address:	SAME AS ABOVE	
Regional Utility Description:	OTHER- SODIUM HYDROXIDE, SODIUM CARBONATE, PHOSPHORIC ACIDVARIOU	
Regional CERCLIS / SRC# 2462	EPA ID:	CAD046455747
Agency Address:	SAME AS ABOVE	
Regional Utility Description:	S VESSEL WASINGS	
Regional CERCLIS / SRC# 2462	EPA ID:	CAD046455747
Agency Address:	SAME AS ABOVE	
Regional Utility Description:	DRUMS	
Regional CERCLIS / SRC# 2462	EPA ID:	CAD046455747
Agency Address:	SAME AS ABOVE	
Regional Utility Description:	TANKS	
Regional CERCLIS / SRC# 2462	EPA ID:	CAD046455747
Agency Address:	SAME AS ABOVE	
Regional Utility Description:	UNDERGROUND INJECTION	
Regional CERCLIS / SRC# 2462	EPA ID:	CAD046455747
Agency Address:	SAME AS ABOVE	
Regional Utility Description:	RCRA REGULATED: GENERATOR TREAT STORE DISPOSE FACIL (NON HANDL	
Regional CERCLIS / SRC# 2462	EPA ID:	CAD046455747
Agency Address:	SAME AS ABOVE	
Regional Utility Description:	ERI SEENOTIFICATION PART A FILE	
Regional CERCLIS / SRC# 2462	EPA ID:	CAD046455747
Agency Address:	SAME AS ABOVE	
Regional Utility Description:	NOTIS 103(C) SITE	
SCL - State Equivalent CERCLIS List / SRC# 2825	Agency ID:	19280834
Agency Address:	DIVERSEY WYANDOTTE CORPORATION 8921 SOUTH DICE ROAD SANTA FE SPRINGS, CA 90670	
Facility Type:	NOT AVAILABLE	
Lead Agency:	NOT AVAILABLE	
State Status:	VOLUNTARY CLEANUP	
Pollutant 1:	HALOGENATED ORGANIC COMPOUNDS	
Pollutant 2:	CONTAMINATED SOIL	
Pollutant 3:	UNSPECIFIED ORGANIC LIQUID MIXTURE	
Fields Not Reported:	Status	
STATE UST - State Underground Storage Tank / SRC# 1612	EPA/Agency ID:	N/A
Agency Address:	DIVERSEY WYANDOTTE 8921 DICE SANTA FE SPRINGS, CA	
Underground Tanks:	NOT REPORTED	
Aboveground Tanks:	NOT REPORTED	
Tanks Removed:	NOT REPORTED	

DICE 01957



**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.**

Tank ID:	1U	Tank Status:	NOT AVAILABLE
Tank Contents:	NOT REPORTED	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	NOT AVAILABLE
Tank Size (Units):	NOT REPORTED (NOT AVAILABLE)	Tank Material:	NOT AVAILABLE

VISTA Address*:	CITY OF SANTA FE SPRINGS FIRE 8634 S DICE SANTA FE SPRINGS, CA	VISTA ID#:	4824475
		Distance/Direction:	0.09 MI / NE
		Plotted as:	Point

Map ID

**5**

STATE UST - State Underground Storage Tank / SRC# 1612	EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE	
Underground Tanks:	2	
Aboveground Tanks:	NOT REPORTED	
Tanks Removed:	NOT REPORTED	

Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN

Tank ID:	2U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN

VISTA Address*:	WEST BENT BOLT 8623 DICE RD SANTA FE SPRINGS, CA 90670	VISTA ID#:	5354006
		Distance/Direction:	0.09 MI / N
		Plotted as:	Point

Map ID

**5**

CORTESE / SRC# 2298	EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE	
List Name:	CALSITE	
Site ID:	INV-ID19-000008	

VISTA Address*:	MID WEST FABR CO 8623 DICE RD SANTA FE SPRINGS, CA 90670	VISTA ID#:	274221
		Distance/Direction:	0.09 MI / N
		Plotted as:	Point

Map ID

**5**

RCRA-LgGen - RCRA-Large Generator / SRC# 3057	EPA ID:	CAD004295572
Agency Address:	SAME AS ABOVE	
Generator Class:	GENERATORS WHO GENERATE AT LEAST 1000 KG/MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG/MONTH OF ACUTELY HAZARDOUS WASTE.	

VISTA Address*:	WEST BENT BOLT 8623 S DICE RD SANTA FE SPRINGS, CA 90670	VISTA ID#:	1183438
		Distance/Direction:	0.09 MI / NE
		Plotted as:	Point

Map ID

**5**

CERCLIS / SRC# 2977	EPA ID:	CAD004295572
Agency Address:	SAME AS ABOVE	
NPL Status:	NOT A PROPOSED, CURRENT, OR DELETED NPL SITE	
Site Ownership:	UNKNOWN	
Lead Agency:	NO DETERMINATION	
Site Description:	NOT REPORTED	

DICE 01958



**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT:**

Event Type:	Lead Agency:	Event Status:	Start Date:	Completion Date:
DISCOVERY	STATE, FUND FINANCED	UNKNOWN	NOT REPORTED	APRIL 1, 1985
PRELIMINARY ASSESSMENT	STATE, FUND FINANCED	UNKNOWN	APRIL 9, 1985	JULY 1, 1985
SCREENING SITE INSPECTION	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	OCTOBER 1, 1986
SCREENING SITE INSPECTION	EPA FUND-FINANCED	NO FURTHER REMEDIAL ACTION PLANNED	NOT REPORTED	SEPTEMBER 19, 1990
<b>Regional CERCLIS / SRC# 2462</b>			EPA ID:	CAD004295572
<b>Agency Address:</b>		SAME AS ABOVE		
<b>Regional Utility Description:</b>				
OTHER: SLUDGES, WHITTISH GRAY POWDER				
<b>Regional CERCLIS / SRC# 2462</b>			EPA ID:	CAD004295572
<b>Agency Address:</b>		SAME AS ABOVE		
<b>Regional Utility Description:</b>				
OTHER: CYANIDE, OVERFLOW RINSE FROM ZINC PLATING NEUTRALIZED SUL				
<b>Regional CERCLIS / SRC# 2462</b>			EPA ID:	CAD004295572
<b>Agency Address:</b>		SAME AS ABOVE		
<b>Regional Utility Description:</b>				
FURIC ACID, SODIUM HYDROXIDE				
<b>Regional CERCLIS / SRC# 2462</b>			EPA ID:	CAD004295572
<b>Agency Address:</b>		SAME AS ABOVE		
<b>Regional Utility Description:</b>				
ABOVE GROUND TANKS (HOLDING TANKS)-HAZ WASTES				
<b>Regional CERCLIS / SRC# 2462</b>			EPA ID:	CAD004295572
<b>Agency Address:</b>		SAME AS ABOVE		
<b>Regional Utility Description:</b>				
DRUMS, ABOVE GROUND				
<b>Regional CERCLIS / SRC# 2462</b>			EPA ID:	CAD004295572
<b>Agency Address:</b>		SAME AS ABOVE		
<b>Regional Utility Description:</b>				
OTHER: 2-3 FT WIDE DITCH				
<b>Regional CERCLIS / SRC# 2462</b>			EPA ID:	CAD004295572
<b>Agency Address:</b>		SAME AS ABOVE		
<b>Regional Utility Description:</b>				
OTHER: SUMP, DISCHARGE TO SEWER				
<b>Regional CERCLIS / SRC# 2462</b>			EPA ID:	CAD004295572
<b>Agency Address:</b>		SAME AS ABOVE		
<b>Regional Utility Description:</b>				
SOIL CONTAMINATION				
<b>Regional CERCLIS / SRC# 2462</b>			EPA ID:	CAD004295572
<b>Agency Address:</b>		SAME AS ABOVE		
<b>Regional Utility Description:</b>				
CALIFORNIA 3012 SITE				
<b>Regional CERCLIS / SRC# 2462</b>			EPA ID:	CAD004295572
<b>Agency Address:</b>		SAME AS ABOVE		
<b>Regional Utility Description:</b>				
NEW ERRIS SITE				
<b>Regional CERCLIS / SRC# 2462</b>			EPA ID:	CAD004295572
<b>Agency Address:</b>		SAME AS ABOVE		
<b>Regional Utility Description:</b>				
RCRA REGULATED: GENERATOR SEE NOTIFICATION FILE				

DICE 01959



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #39

**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.**

<b>Regional CERCLIS / SRC# 2462</b>		<b>EPA ID:</b>	CAD004295572
<b>Agency Address:</b> SAME AS ABOVE			
<b>Regional Utility Description:</b> OILY LIQUIDS			
<b>Regional CERCLIS / SRC# 2462</b>		<b>EPA ID:</b>	CAD004295572
<b>Agency Address:</b> SAME AS ABOVE			
<b>Regional Utility Description:</b> SITE INSPECTION, CHECK STATUS OF STATE ACTION			
<b>Regional CERCLIS / SRC# 2462</b>		<b>EPA ID:</b>	CAD004295572
<b>Agency Address:</b> SAME AS ABOVE			
<b>Regional Utility Description:</b> OTHER: MFG OF METAL BOLTS, SCREWS, MACHINERY, ETC. ZINC PLATING			
<b>Regional CERCLIS / SRC# 2462</b>		<b>EPA ID:</b>	CAD004295572
<b>Agency Address:</b> SAME AS ABOVE			
<b>Regional Utility Description:</b> UNDERGROUND TANK (CLARIFIERS)			
<b>Regional CERCLIS / SRC# 2462</b>		<b>EPA ID:</b>	CAD004295572
<b>Agency Address:</b> SAME AS ABOVE			
<b>Regional Utility Description:</b> OIL SOAKED SOIL REMOVED			
<b>Regional CERCLIS / SRC# 2462</b>		<b>EPA ID:</b>	CAD004295572
<b>Agency Address:</b> SAME AS ABOVE			
<b>Regional Utility Description:</b> 30-GAL CYANIDE SPILL CLEANED UP			
<b>Regional CERCLIS / SRC# 2462</b>		<b>EPA ID:</b>	CAD004295572
<b>Agency Address:</b> SAME AS ABOVE			
<b>Regional Utility Description:</b> CLARIFIER (3)			
<b>Regional CERCLIS / SRC# 2462</b>		<b>EPA ID:</b>	CAD004295572
<b>Agency Address:</b> SAME AS ABOVE			
<b>Regional Utility Description:</b> 30-40 GAL CYANIDE SPILLED, NEUTRALIZED AND PICKED-UP			
<b>SCL - State Equivalent CERCLIS List / SRC# 2825</b>		<b>Agency ID:</b>	19340439
<b>Agency Address:</b>		WEST BENT BOLT 8623 SOUTH DICE ROAD SANTA FE SPRINGS, CA 90670	
<b>Facility Type:</b>	NOT AVAILABLE		
<b>Lead Agency:</b>	NOT AVAILABLE		
<b>State Status:</b>	REFERRED TO ANOTHER AGENCY		
<b>Pollutant 1:</b>	CYANIDES		
<b>Pollutant 2:</b>	HOUSEHOLD WASTES		
<b>Pollutant 3:</b>	UNSPECIFIED SLUDGE WASTE		
<b>Fields Not Reported:</b>	Status		
<b>VISTA Address*:</b>	<b>TALCO PLASTICS INC</b> 11650 BURKE WHITTIER, CA 90606	<b>VISTA ID#:</b>	1237544
		<b>Distance/Direction:</b>	0.11 MI / W
		<b>Plotted as:</b>	Point
<b>STATE UST - State Underground Storage Tank / SRC# 1612</b>		<b>EPA/Agency ID:</b>	N/A
<b>Agency Address:</b>		TALCO PLASTICS INC 11650 BURKE WHITTIER, CA 2	
<b>Underground Tanks:</b>	2		
<b>Aboveground Tanks:</b>	NOT REPORTED		
<b>Tanks Removed:</b>	NOT REPORTED		

Map ID  
**6**

DICE 01960



**PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.**

Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	2U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN

**SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile)**

VISTA Address*:	<b>PALLEY PROPERTY</b> 11630 BURKE ST CA 90606	VISTA ID#:	5404254
		Distance/Direction:	0.13 MI / W
		Plotted as:	Point
<b>LA Co Site Mtgn - LA County Site Mitigation / SRC# 2683</b>		Agency ID:	95S369
Agency Address:	SAME AS ABOVE		
Waste Name:	TPH		
Media Affected:	SOIL		
Log Number:	950293		
Discovery Date:	JANUARY 30, 1995		
Abate Date:	NOT REPORTED		
State Status:	PI		
Description:	2 DBA ON-SITE, ONE ACTIVE GENERATOR		

Map ID:  
**6**

VISTA Address*:	<b>T CHEM PRODUCTS INC</b> 9028 DICE RD SANTA FE SPRINGS, CA 90670	VISTA ID#:	418301
		Distance/Direction:	0.16 MI / S
		Plotted as:	Point
<b>Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3104</b>		Agency ID:	R-04511
Agency Address:	T-CHEM PRODUCTS 9028 DICE RD S SANTA FE SPRINGS, CA 90670		
Tank Status:	NOT AVAILABLE		
Discovery Date:	FEBRUARY 26, 1996		
Media Affected:	SOIL/SAND/LAND		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	CASE CLOSED/CLEANUP COMPLETE		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Substance, Quantity (Units), Leak Source		

Map ID:  
**7**

<b>STATE UST - State Underground Storage Tank / SRC# 1612</b>		EPA/Agency ID:	N/A
Agency Address:	T-CHEM PRODUCTS 9028 S DICE SANTA FE SPRINGS, CA		
Underground Tanks:	1		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		
Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN

DICE 01961



**SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile) CONT.**

<b>TRIS - Toxic Release Inventory System / SRC# 2587</b>		EPA ID:	CAD051482784
Agency Address:		T-CHEM PRODS. 9028 DICE RD. SANTA FE SPRINGS, CA 906701807	
Chemical Abstract Service Registry:		Quantity Released:	
CHLORINE		5.00 (POUNDS)	
AMMONIA		1622.00 (POUNDS)	

VISTA Address*:	<b>PARKER HANNIFIN CORP</b> <b>11808 BURKE ST SPRINGS</b> <b>SANTA FE SPRINGS, CA 90670</b>	VISTA ID#:	319868
		Distance/Direction:	0.16 MI / NE
		Plotted as:	Point

Map ID

**8**

<b>TRIS - Toxic Release Inventory System / SRC# 2587</b>		EPA ID:	CAD981973357
Agency Address:		PARKER HANNIFIN CORP. 11808 BURKE ST. SANTA FE SPRINGS, CA 90670	
Chemical Abstract Service Registry:		Quantity Released:	
1,1,1-TRICHLOROETHANE		6750.00 (POUNDS)	

VISTA Address*:	<b>AEROSPACE RIVET MFG. CORP.</b> <b>MANUFACTURER</b> <b>8535 DICE RD.</b> <b>SANTA FE SPRINGS, CA 90670</b>	VISTA ID#:	1268062
		Distance/Direction:	0.18 MI / N
		Plotted as:	Point

Map ID

**9**

<b>TRIS - Toxic Release Inventory System / SRC# 2587</b>		EPA ID:	CAD981417751
Agency Address:		SAME AS ABOVE	
Chemical Abstract Service Registry:		Quantity Released:	
SULFURIC ACID		5.00 (POUNDS)	

VISTA Address*:	<b>A-W ENGINEERING CO</b> <b>8518 DICE</b> <b>SANTA FE SPRINGS, CA 90670</b>	VISTA ID#:	34957
		Distance/Direction:	0.19 MI / N
		Plotted as:	Point

Map ID

**9**

<b>STATE UST - State Underground Storage Tank / SRC# 1612</b>		EPA/Agency ID:	N/A
Agency Address:		A-W ENGINEERING CO 8518 DICE SANTA FE SPRINGS, CA	
Underground Tanks:		NOT REPORTED	
Aboveground Tanks:		NOT REPORTED	
Tanks Removed:		NOT REPORTED	
Tank ID:	1U	Tank Status:	NOT AVAILABLE
Tank Contents:	NOT REPORTED	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	NOT AVAILABLE
Tank Size (Units):	NOT REPORTED (NOT AVAILABLE)	Tank Material:	NOT AVAILABLE

DICE 01962





**SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile) CONT.**

<b>VISTA Address*:</b>	<b>BARRETT SERVICE STATION 8728 NORWALK BLVD WHITTIER, CA 90606</b>	<b>VISTA ID#:</b>	1203224
		<b>Distance/Direction:</b>	0.18 MI / W
		<b>Plotted as:</b>	Point
<b>Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3104</b>		<b>Agency ID:</b>	I-04174
<b>Agency Address:</b>	BARRETT SERVICE STATION 8728 NORWALK BLVD LOS NIETOS, CA 90606		
<b>Tank Status:</b>	NOT AVAILABLE		
<b>Discovery Date:</b>	AUGUST 15, 1990		
<b>Media Affected:</b>	GROUNDWATER		
<b>Substance:</b>	GASOLINE (UNSPECIFIED)		
<b>Leak Cause:</b>	UNAVAILABLE		
<b>Remedial Action:</b>	NOT AVAILABLE		
<b>Remedial Status 1:</b>	PRELIMINARY ASSESSMENT		
<b>Remedial Status 2:</b>	NOT AVAILABLE		
<b>Fields Not Reported:</b>	Quantity (Units), Leak Source		
<b>STATE UST - State Underground Storage Tank / SRC# 1612</b>		<b>EPA/Agency ID:</b>	N/A
<b>Agency Address:</b>	BARRETT SERVICE STATION 8728 NORWALK LOS NIETOS, CA 90606		
<b>Underground Tanks:</b>	4		
<b>Aboveground Tanks:</b>	NOT REPORTED		
<b>Tanks Removed:</b>	NOT REPORTED		
<b>Tank ID:</b>	1U	<b>Tank Status:</b>	ACTIVE/IN SERVICE
<b>Tank Contents:</b>	LEADED GAS	<b>Leak Monitoring:</b>	UNKNOWN
<b>Tank Age:</b>	NOT REPORTED	<b>Tank Piping:</b>	BARE STEEL
<b>Tank Size (Units):</b>	10000 (GALLONS)	<b>Tank Material:</b>	BARE STEEL
<b>Tank ID:</b>	2U	<b>Tank Status:</b>	ACTIVE/IN SERVICE
<b>Tank Contents:</b>	LEADED GAS	<b>Leak Monitoring:</b>	UNKNOWN
<b>Tank Age:</b>	NOT REPORTED	<b>Tank Piping:</b>	BARE STEEL
<b>Tank Size (Units):</b>	550 (GALLONS)	<b>Tank Material:</b>	BARE STEEL
<b>Tank ID:</b>	3U	<b>Tank Status:</b>	ACTIVE/IN SERVICE
<b>Tank Contents:</b>	LEADED GAS	<b>Leak Monitoring:</b>	UNKNOWN
<b>Tank Age:</b>	NOT REPORTED	<b>Tank Piping:</b>	BARE STEEL
<b>Tank Size (Units):</b>	550 (GALLONS)	<b>Tank Material:</b>	BARE STEEL
<b>Tank ID:</b>	4U	<b>Tank Status:</b>	ACTIVE/IN SERVICE
<b>Tank Contents:</b>	UNLEADED GAS	<b>Leak Monitoring:</b>	UNKNOWN
<b>Tank Age:</b>	NOT REPORTED	<b>Tank Piping:</b>	BARE STEEL
<b>Tank Size (Units):</b>	3500 (GALLONS)	<b>Tank Material:</b>	BARE STEEL
<b>CORTESE / SRC# 2298</b>		<b>EPA/Agency ID:</b>	N/A
<b>Agency Address:</b>	BARRET STATION 8728 NORWALK BLVD WHITTIER, CA 90606		
<b>List Name:</b>	LEAKING TANK		
<b>Site ID:</b>	INV-ID19-001765		

Map ID  
**10**

DICE 01963



**SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile) CONT.**

VISTA Address*:	<b>BARRETT SERVICE STATION</b> 8728 NORWALK BLVD WHITTIER, CA 90606	VISTA ID#:	6478853
		Distance/Direction:	0.18 MI / W
		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 3056		Agency ID:	I-04174
Agency Address:	BARRETT SERVICE STATION 8728 NORWALK BLVD LOS NIETOS, CA 90606		
Tank Status:	NOT AVAILABLE		
Media Affected:	GROUNDWATER		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	PRELIMINARY ASSESSMENT		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source		

Map ID

**10**

VISTA Address*:	<b>C.F. PENG SERVICE STATION</b> 8905 NORWALK BLVD. SANTA FE SPRINGS, CA 90670	VISTA ID#:	2748870
		Distance/Direction:	0.19 MI / W
		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 3056		Agency ID:	I-02290
Agency Address:	SAME AS ABOVE		
Tank Status:	NOT AVAILABLE		
Media Affected:	SOIL/SAND/LAND		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	PRELIMINARY ASSESSMENT		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source		

Map ID

**11A**

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3104	Agency ID:	I-02290
Agency Address:	C.F. PENG SERVICE STATION 8905 NORWALK BLVD SANTA FE SPRINGS, CA 90670	
Tank Status:	NOT AVAILABLE	
Discovery Date:	NOVEMBER 26, 1991	
Media Affected:	SOIL/SAND/LAND	
Substance:	GASOLINE (UNSPECIFIED)	
Leak Cause:	UNAVAILABLE	
Remedial Action:	NOT AVAILABLE	
Remedial Status 1:	PRELIMINARY ASSESSMENT	
Remedial Status 2:	NOT AVAILABLE	
Fields Not Reported:	Quantity (Units), Leak Source	

CORTESE / SRC# 2298	EPA/Agency ID:	N/A
Agency Address:	C.F. PENG SERVICE STATION 8905 NORWALK BLVD SANTA FE SPRINGS, CA 90670	
List Name:	LEAKING TANK	
Site ID:	INV-ID19-003372	

DICE 01964



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #44

**SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile) CONT:**

VISTA Address*:	<b>NACHO'S BATTERIES 8917 NORWALK CA 90606</b>	VISTA ID#:	4825493
		Distance/Direction:	0.19 MI / W
		Plotted as:	Point
<b>LA Co Site Mtgn - LA County Site Mitigation / SRC# 2683</b>		Agency ID:	88S003
Agency Address:	SAME AS ABOVE		
Waste Name:	LEAD		
Media Affected:	SOIL		
Waste Name:	ACID		
Media Affected:	SOIL		
Log Number:	882781		
Discovery Date:	JANUARY 14, 1988		
Abate Date:	SEPTEMBER 25, 1989		
State Status:	ABATED		
Description:	NO FOLLOW-UP REQUIRED.		

Map ID  
**11A**

VISTA Address*:	<b>ACI GLASS PRODUCTS INC 9010 S NORWALK BLVD SANTA FE SPRINGS, CA 90670</b>	VISTA ID#:	4497
		Distance/Direction:	0.20 MI / W
		Plotted as:	Point
<b>STATE LUST - State Leaking Underground Storage Tank / SRC# 3056</b>		Agency ID:	061390-02
Agency Address:	ACI GLASS PRODUCTS INC 9010 S NORWALK BLVD SANTA FE SPRINGS, CA 90670		
Tank Status:	NOT AVAILABLE		
Media Affected:	UNKNOWN		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	NO ACTION TAKEN BY RESPONSIBLE PARTY		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source		

Map ID  
**11B**

<b>Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3104</b>		Agency ID:	061390-02
Agency Address:	ACI GLASS PRODUCTS INC 9010 S NORWALK BLVD SANTA FE SPRINGS, CA 90670		
Tank Status:	NOT AVAILABLE		
Discovery Date:	APRIL 19, 1990		
Media Affected:	UNKNOWN		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	NO ACTION TAKEN BY RESPONSIBLE PARTY		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units), Leak Source		

<b>STATE UST - State Underground Storage Tank / SRC# 1612</b>		EPA/Agency ID:	N/A
Agency Address:	ACI GLASS 9010 S NORWALK SANTA FE SPRINGS, CA		
Underground Tanks:	1		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		

DICE 01965



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #45

**SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile) CONT.**

Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN

<b>CORTESE / SRC# 2298</b>		EPA/Agency ID:	N/A
Agency Address:	ACI GLASS PRODUCTS 9010 NORWALK BLVD S. SANTA FE SPRINGS, CA 90670		
List Name:	CALSITE		
Site ID:	INV-ID19-002528		

VISTA Address*:	<b>TECHNI-BRAZE INC</b> <b>11845 BURKE STREET</b> <b>SANTA FE SPRINGS, CA 90670</b>	VISTA ID#:	418570
		Distance/Direction:	0.21 MI / NE
		Plotted as:	Point

Map ID  
**12**

<b>SCL - State Equivalent CERCLIS List / SRC# 2825</b>		Agency ID:	19340742
Agency Address:	SAME AS ABOVE		
Facility Type:	NOT AVAILABLE		
Lead Agency:	NOT AVAILABLE		
State Status:	FORMER ANNUAL WORKPLAN SITE REFERRED TO RWQCB		
Pollutant 1:	GAS SCRUBBER WASTE		
Pollutant 2:	PAINT SLUDGE		
Pollutant 3:	PHOSPHATE SLUDGE		
Fields Not Reported:	Status		

VISTA Address*:	<b>ANGELES CHEMICAL COMPANY INC</b> <b>8915 SORENSEN AVENUE</b> <b>SANTA FE SPRINGS, CA 90670</b>	VISTA ID#:	22476
		Distance/Direction:	0.22 MI / E
		Plotted as:	Point

Map ID  
**13**

<b>SPL - State Equivalent Priority List / SRC# 2826</b>		Agency ID:	19290306
Agency Address:	SAME AS ABOVE		
Status:	NON-NPL SITE		
Facility Type:	NOT AVAILABLE		
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL		
State Status:	ANNUAL WORK PLAN		
Pollutant 1:	UNKNOWN		
Pollutant 2:	UNKNOWN		
Pollutant 3:	UNKNOWN		

<b>STATE LUST - State Leaking Underground Storage Tank / SRC# 3056</b>		Agency ID:	032091-02
Agency Address:	ANGELES CHEM CO INC 8915 SORENSEN AVE SANTA FE SPRI, CA 90670		
Tank Status:	NOT AVAILABLE		
Media Affected:	GROUNDWATER		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	PRELIMINARY ASSESSMENT		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Discovery Date, Substance, Quantity (Units), Leak Source		

DICE 01966



**SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile) CONT.**

<b>Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3104</b>		Agency ID:	032091-02
Agency Address:	ANGELES CHEM CO INC 8915 SORENSEN AVE SANTA FE SPRING, CA 90670		
Tank Status:	NOT AVAILABLE		
Discovery Date:	MARCH 12, 1991		
Media Affected:	GROUNDWATER		
Substance:	SOLVENTS		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	PRELIMINARY ASSESSMENT		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units), Leak Source		
<b>STATE UST - State Underground Storage Tank / SRC# 1612</b>		EPA/Agency ID:	N/A
Agency Address:	ANGELES CHEMICAL CO INC 8915 SORENSEN SANTA FE SPRINGS, CA 34		
Underground Tanks:	34		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		
Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	2U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	3U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	4U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	5U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	6U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	7U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN

DICE 01967



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #47

**SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile) CONT.**

Tank ID:	8U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	9U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	10U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	11U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	12U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	13U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	14U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	15U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	16U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	17U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	18U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN

DICE 01968



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

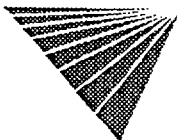
Version 2.4.1

Page #48

**SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile) CONT.**

Tank ID:	19U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	20U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	21U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	22U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	23U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	24U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	25U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	26U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	27U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	28U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	29U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN

DICE 01969



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #49

**SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile) CONT:**

Tank ID:	30U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	31U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	32U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	33U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	34U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN

<b>CORTESE / SRC# 2298</b>		EPA/Agency ID:	N/A
Agency Address:	ANGELES CHEMICAL COMPANY INC 8915 SORENSEN AVE SANTA FE SPRINGS, CA 90670		
List Name:	CALSITE		
Site ID:	INV-ID19-003042		
<b>CORTESE / SRC# 2298</b>		EPA/Agency ID:	N/A
Agency Address:	ANGELES CHEMICAL CO. 8915 SORENSEN AVE SANTA FE SPRINGS, CA 90670		
List Name:	LEAKING TANK		
Site ID:	INV-ID -		

VISTA Address*:	<b>H H MACHINE CO</b> 8612 NORWALK BLVD WHITTIER, CA 90606	VISTA ID#:	1160309
		Distance/Direction:	0.22 MI / NW
		Plotted as:	Point
<b>STATE UST - State Underground Storage Tank / SRC# 1612</b>		EPA/Agency ID:	N/A
Agency Address:	HH MACHINE CO 8612 NORWALK WHITTIER, CA		
Underground Tanks:	1		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		
Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN

Map ID  
**14**

DICE 01970



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #50



**SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile) CONT.**

VISTA Address*:	VANDENBERG AFB 8815 SORENSEN S. SANTA FE SPRINGS, CA 90670	VISTA ID#:	5356622
		Distance/Direction:	0.23 MI / E
		Plotted as:	Point
CORTESE / SRC# 2298		EPA/Agency ID:	N/A
Agency Address:	VANDENBERG AFB 8815 SORENSEN S. SANTA FE SPRINGS, CA 906700000		
List Name:	LEAKING TANK		
Site ID:	INV-ID19-007195		

Map ID  
**15A**

VISTA Address*:	PLAS-TAL MFG CO 8815 S SORENSEN AVE SANTA FE SPRINGS, CA 90670	VISTA ID#:	5718420
		Distance/Direction:	0.23 MI / E
		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 3056		Agency ID:	R-22676

Map ID  
**15A**

Agency Address:	PLAS-TAL MFG CO 8815 S SORENSEN AVE NOT IN A CITY, CA 90670		
Tank Status:	NOT AVAILABLE		
Media Affected:	SOIL/SAND/LAND		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	UNAVAILABLE		
Remedial Action:	EXCAVATE DISPOSE		
Remedial Status 1:	CASE CLOSED/CLEANUP COMPLETE		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source		

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3104	Agency ID:	R-22676
---	------------	---------

Agency Address:	PLAS-TAL MFG. CO. 8815 SORENSEN AVE S SANTA FE SPRINGS, CA 90670		
Tank Status:	NOT AVAILABLE		
Discovery Date:	AUGUST 8, 1995		
Media Affected:	SOIL/SAND/LAND		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	CASE CLOSED/CLEANUP COMPLETE		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units), Leak Source		

VISTA Address*:	SO PACIFIC TRANS CO 8834 SORENSON SANTA FE SPRINGS, CA 90670	VISTA ID#:	4043436
		Distance/Direction:	0.24 MI / E
		Plotted as:	Point
STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A

Map ID  
**15B**

Agency Address:	SO PACIFIC TRANS CO 8834 SORENSON SANTA FE SPRINGS, CA		
Underground Tanks:	NOT REPORTED		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		
Tank ID:	1U	Tank Status:	NOT AVAILABLE
Tank Contents:	NOT REPORTED	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	NOT AVAILABLE
Tank Size (Units):	NOT REPORTED (NOT AVAILABLE)	Tank Material:	NOT AVAILABLE



DICE 01971

\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #51

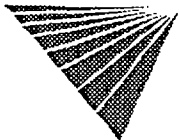
SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile) CONT.

VISTA Address*:	CAL WESTERN PAINT CORP 11748 SLAUSON AVE SANTA FE SPRINGS, CA 90670	VISTA ID#:	15315
		Distance/Direction:	0.24 MI / NE
		Plotted as:	Point
CERCLIS / SRC# 2977		EPA ID:	CAD008300717
Agency Address:	SAME AS ABOVE		
NPL Status:	NOT A PROPOSED, CURRENT, OR DELETED NPL SITE		
Site Ownership:	UNKNOWN		
Lead Agency:	NOT AVAILABLE		
Site Description:	NOT REPORTED		
Event Type:	Lead Agency:	Event Status:	Start Date:
DISCOVERY	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED
Completion Date:	AUGUST 1, 1980		
PRELIMINARY ASSESSMENT	STATE, FUND FINANCED	NO FURTHER REMEDIAL ACTION PLANNED	MAY 1, 1984
			OCTOBER 1, 1986
Regional CERCLIS / SRC# 2462		EPA ID:	CAD008300717
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	SOLVENTS		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD008300717
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	ORGANICS		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD008300717
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	LANDFILL		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD008300717
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	INORGANICS		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD008300717
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	OTHER: SOLVENTS RECLAIMER		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD008300717
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	RCRA REGULATED: GENERATOR- SEE NOTIFICATION FILE.		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD008300717
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	NOTIS 103(C) SITE		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD008300717
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	NOTIS 103(C) SITE		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD008300717
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	UNDERGROUND TANK-4 TANKS 2000-8000 GAL EA CONTAINING PAINT THINNER		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD008300717
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	OTHER: MFG OIL AND WATER-BASED PAINTS		

Map ID

16A

DICE 01972



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #52

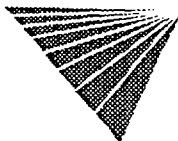
**SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile) CONT.**

<b>Regional CERCLIS / SRC# 2462</b>		EPA ID:	CAD008300717
Agency Address: SAME AS ABOVE			
Regional Utility Description: WATER CLEANING WASTES, PAINT SLUDGE, LATEX SLUDGE, SOLVENTS CLEAN			
<b>Regional CERCLIS / SRC# 2462</b>		EPA ID:	CAD008300717
Agency Address: SAME AS ABOVE			
Regional Utility Description: ING SLUDGE			
<b>SCL - State Equivalent CERCLIS List / SRC# 2825</b>		Agency ID:	19280375
Agency Address: CAL WESTERN PAINTS 11748 SLAUSON AVENUE SANTA FE SPRINGS, CA 90670			
Facility Type: NOT AVAILABLE			
Lead Agency: NOT AVAILABLE			
State Status: NO FURTHER ACTION FOR DTSC			
Pollutant 1: LATEX WASTE			
Pollutant 2: UNSPECIFIED SOLVENT MIXTURES			
Pollutant 3: UNKNOWN			
Fields Not Reported: Status			
<b>STATE UST - State Underground Storage Tank / SRC# 1612</b>		EPA/Agency ID:	N/A
Agency Address: CAL WESTERN PAINTS INC 11748 E SLAUSON SANTE FE SPRINGS, CA 4			
Underground Tanks: 4			
Aboveground Tanks: NOT REPORTED			
Tanks Removed: NOT REPORTED			
Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	2U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	3U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	4U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
VISTA Address*:	<b>WESTERN SCREW PRODUCTS #1 11770 SLAUSON AVE E. SANTA FE SPRINGS, CA 90670</b>	VISTA ID#:	5357834
		Distance/Direction:	0.24 MI / NE
		Plotted as:	Point
<b>CORTESE / SRC# 2298</b>		EPA/Agency ID:	N/A
Agency Address: WESTERN SCREW PRODUCTS #1 11770 SLAUSON AVE E. SANTA FE SPRINGS, CA 906700000			
List Name: CALSITE			
Site ID: INV-ID19-020538			

Map ID

**16B**

DICE 01973



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #53

**SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile) CONT:**

VISTA Address*:	WESTERN SCREW PRODUCTS 11770 - 11780 SLAUSON BLVD SANTA FE SPRINGS, CA 90670	VISTA ID#:	465500
		Distance/Direction:	0.24 MI / NE
		Plotted as:	Point
CERCLIS / SRC# 2977		EPA ID:	CAD981401706
Agency Address:	SAME AS ABOVE		
NPL Status:	NOT A PROPOSED, CURRENT, OR DELETED NPL SITE		
Site Ownership:	UNKNOWN		
Lead Agency:	NOT AVAILABLE		
Site Description:	NOT REPORTED		
Event Type:	Lead Agency:	Event Status:	Start Date: Completion Date:
DISCOVERY	STATE, FUND FINANCED	UNKNOWN	NOT REPORTED SEPTEMBER 1, 1986
PRELIMINARY ASSESSMENT	STATE, FUND FINANCED	UNKNOWN	SEPTEMBER 1, 1986 JANUARY 1, 1987
PRELIMINARY ASSESSMENT	EPA FUND-FINANCED	NO FURTHER REMEDIAL ACTION PLANNED	NOT REPORTED JANUARY 18, 1989
Regional CERCLIS / SRC# 2462		EPA ID:	CAD981401706
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	DRUMS, ABOVE GROUND		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD981401706
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	OTHER: ROLL-OFF BIN		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD981401706
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	OILY WASTE - CUTTING OILS		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD981401706
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	OTHER - TRIM-SOL, DUPONT FREON 1, RECON 11		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD981401706
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	RCRA REG GEN		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD981401706
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	CALIFORNIA 3012 SITE		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD981401706
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	NEW CERCLIS SITE		
SCL - State Equivalent CERCLIS List / SRC# 2825		Agency ID:	19340377
Agency Address:	WESTERN SCREW PRODUCTS #1 11770 EAST SLAUSON AVENUE SANTA FE SPRINGS, CA 90670		
Facility Type:	NOT AVAILABLE		
Lead Agency:	NOT AVAILABLE		
State Status:	REFERRED TO ANOTHER AGENCY		
Pollutant 1:	UNSPECIFIED OIL CONTAINING WASTE		
Pollutant 2:	HALOGENATED SOLVENTS		
Pollutant 3:	UNSPECIFIED AQUEOUS SOLUTION		
Fields Not Reported:	Status		

Map ID  
**16B**

DICE 01974



**SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile) CONT.**

VISTA Address*:	E.A. MENDOZA INC. 11574 PERKINS AVE. WHITTIER, CA 90606	VISTA ID#:	3768036
		Distance/Direction:	0.24 MI / W
		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 3056		Agency ID:	I-16500

Map ID  
**17**

Agency Address:	E.A. MENDOZA INC. 11574 PERKINS AVE. WHITTIER, CA 90601
Tank Status:	NOT AVAILABLE
Media Affected:	UNKNOWN
Substance:	GASOLINE (UNSPECIFIED)
Leak Cause:	UNAVAILABLE
Remedial Action:	NOT AVAILABLE
Remedial Status 1:	LEAK BEING CONFIRMED
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3104	Agency ID:	I-16500
---	------------	---------

Agency Address:	E A MENDOZA INC 11574 PERKINS AVE WHITTIER, CA 90601
Tank Status:	NOT AVAILABLE
Discovery Date:	MAY 5, 1992
Media Affected:	SOIL/SAND/LAND
Substance:	WASTE OIL
Leak Cause:	UNAVAILABLE
Remedial Action:	NOT AVAILABLE
Remedial Status 1:	PRELIMINARY ASSESSMENT
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Quantity (Units), Leak Source

STATE UST - State Underground Storage Tank / SRC# 1612	EPA/Agency ID:	N/A
--	----------------	-----

Agency Address:	E.A. MENDOZA INC. 11574 PERKINS WHITTIER, CA 90601
Underground Tanks:	3
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1U	Tank Status:	CLOSED REMOVED
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	800 (GALLONS)	Tank Material:	UNKNOWN

Tank ID:	2U	Tank Status:	CLOSED REMOVED
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	BARE STEEL
Tank Size (Units):	100 (GALLONS)	Tank Material:	BARE STEEL

Tank ID:	3U	Tank Status:	CLOSED REMOVED
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	BARE STEEL
Tank Size (Units):	800 (GALLONS)	Tank Material:	BARE STEEL

DICE 01975



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #55

**SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile) CONT:**

<b>CORTESE / SRC# 2298</b>		EPA/Agency ID:	N/A
Agency Address:	E.A. MENDOZA INC. 11574 PERKINS AVE WHITTIER, CA 90601		
List Name:	LEAKING TANK		
Site ID:	INV-ID19-003612		

<b>VISTA Address:</b>	<b>MOBILE INSP SERVICE INC</b>	<b>VISTA ID#:</b>	1161989
	<b>9110 DICE</b>	<b>Distance/Direction:</b>	0.25 MI / S
	<b>SANTA FE SPRINGS, CA 90670</b>	<b>Plotted as:</b>	Point

Map ID  
**18A**

<b>STATE UST - State Underground Storage Tank / SRC# 1612</b>		EPA/Agency ID:	N/A
Agency Address:	MOBILE INSP SERVICE INC 9110 DICE SANTA FE SPRINGS, CA		
Underground Tanks:	2		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		
Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	2U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	REPORTED AS "UNKNOWN" BY AGENCY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Material:	UNKNOWN

DICE 01976



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #56

**SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile)**

VISTA Address*:	DICE ROAD 9165 DICE ROAD SANTA FE SPRINGS, CA	VISTA ID#:	5435856
		Distance/Direction:	0.29 MI / S
		Plotted as:	Point
WMUDS / SRC# 2463		Agency ID:	4 190281NUR
Agency Address:	SAME AS ABOVE		
Solid Waste Inventory System ID:	NOT REPORTED		
Facility Type:	Not reported		
Facility In State Board Waste Discharger System:	NO		
Chapter 15 Facility:	NO		
Solid Waste Assessment Test Facility:	YES		
Toxic Pits Cleanup Act Facility:	NO		
RCRA Facility:	NO		
Department of Defense Facility:	NO		
Open To Public:	NO		
Number Of Waste Management Units:	1		
Threat To Water:	Not reported		
Complexity:	Not reported		
Facility Status:	Not reported		
Waste 1 (Nature/Type):	NOT REPORTED		
Waste 2 (Nature/Type):	NOT REPORTED		
Rank:	11		
Enforcements At Facility:	NO		
Violations At Facility:	NO		

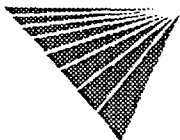
Map ID  
**18**

VISTA Address*:	DICE ROAD 9165 DICE ROAD SANTA FE SPRINGS, CA 90670	VISTA ID#:	4824476
		Distance/Direction:	0.29 MI / S
		Plotted as:	Point
County SWLF - County Solid Waste Landfill / SRC# 2783		Agency ID:	19-AI-5011
Agency Address:	DICE ROAD 9165 DICE ROAD SANTA FE SPRINGS, CA		
Facility Class:	REGULAR LANDFILL		
Facility Type:	SANITARY LANDFILL/LANDFILL		
Public Status:	CLOSED		
Solid Waste Status:	INACTIVE/CLOSED		
SWIS Permit Status:	INACTIVE		

Map ID  
**18**

VISTA Address*:	DICE RD LOS NIETOS RD DUMP 9165 DICE RD SANTA FE SPRINGS, CA 90670	VISTA ID#:	121556
		Distance/Direction:	0.29 MI / S
		Plotted as:	Point
CERCLIS / SRC# 2977		EPA ID:	CAD980884860
Agency Address:	SAME AS ABOVE		
NPL Status:	NOT A PROPOSED, CURRENT, OR DELETED NPL SITE		
Site Ownership:	UNKNOWN		
Lead Agency:	NOT AVAILABLE		
Site Description:	NOT REPORTED		

Map ID  
**18**



DICE 01977

\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #57

**SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.**

Event Type:	Lead Agency:	Event Status:	Start Date:	Completion Date:
DISCOVERY	STATE, FUND FINANCED	UNKNOWN	NOT REPORTED	JULY 1, 1985
PRELIMINARY ASSESSMENT	STATE, FUND FINANCED	UNKNOWN	JULY 1, 1985	JULY 1, 1986
PRELIMINARY ASSESSMENT	EPA FUND-FINANCED	NO FURTHER REMEDIAL ACTION PLANNED	NOT REPORTED	FEBRUARY 22, 1989

**Regional CERCLIS / SRC# 2462** EPA ID: CAD980884860

Agency Address: SAME AS ABOVE

Regional Utility Description:  
OTHER: RUBBISH, TRASH

**Regional CERCLIS / SRC# 2462** EPA ID: CAD980884860

Agency Address: SAME AS ABOVE

Regional Utility Description:  
OTHER: LAND DSPL

**Regional CERCLIS / SRC# 2462** EPA ID: CAD980884860

Agency Address: SAME AS ABOVE

Regional Utility Description:  
CALIFORNIA 3012 SITE

**Regional CERCLIS / SRC# 2462** EPA ID: CAD980884860

Agency Address: SAME AS ABOVE

Regional Utility Description:  
NEW ERRIS SITE

**Regional CERCLIS / SRC# 2462** EPA ID: CAD980884860

Agency Address: SAME AS ABOVE

Regional Utility Description:  
CALL CITY CONTACT DURING SUMMER '87 TO CHECK ON SAMPLE RESULTS.

**Regional CERCLIS / SRC# 2462** EPA ID: CAD980884860

Agency Address: SAME AS ABOVE

Regional Utility Description:  
CLOSE OUT WHEN POSSIBLE (G101A)

**SCL - State Equivalent CERCLIS List / SRC# 2825** Agency ID: 19490148

Agency Address: DICE ROAD, LOS NIETOS ROAD DUMP  
9165 DICE ROAD  
SANTA FE SPRINGS, CA 90670

Facility Type: NOT AVAILABLE

Lead Agency: NOT AVAILABLE

State Status: NO FURTHER ACTION FOR DTSC

Pollutant 1: DRILLING MUD/CHEMICALS

Pollutant 2: OTHER ORGANIC SOLIDS

Pollutant 3: UNSPECIFIED OIL CONTAINING WASTE

Fields Not Reported: Status

VISTA Address*:	MCKESSON CHEMICAL COMPANY 9005 SORENSEN AVENUE SANTA FE SPRINGS, CA 90670	VISTA ID#:	1188537
		Distance/Direction:	0.26 MI / SE
		Plotted as:	Point

Map ID  
**19**

**SPL - State Equivalent Priority List / SRC# 2826** Agency ID: 19280440

Agency Address: SAME AS ABOVE

Status: NON-NPL SITE

Facility Type: NOT AVAILABLE

Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL

State Status: ANNUAL WORK PLAN

Pollutant 1: TETRAETHYL LEAD SLUDGE

Pollutant 2: UNSPECIFIED SOLVENT MIXTURES

Pollutant 3: HYDROCARBON SOLVENTS

DICE 01978





**SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.**

<b>STATE LUST - State Leaking Underground Storage Tank / SRC#</b> 3056	<b>Agency ID:</b>	R-02130
<b>Agency Address:</b>	MCKESSON CHEMICAL COMPANY 9005 SORENSEN AVENUE SANTA FE SPRING, CA 90670	
<b>Tank Status:</b>	NOT AVAILABLE	
<b>Media Affected:</b>	UNKNOWN	
<b>Leak Cause:</b>	UNAVAILABLE	
<b>Remedial Action:</b>	NOT AVAILABLE	
<b>Remedial Status 1:</b>	LEAK BEING CONFIRMED	
<b>Remedial Status 2:</b>	NOT AVAILABLE	
<b>Fields Not Reported:</b>	Discovery Date, Substance, Quantity (Units), Leak Source	

<b>Regional LUST - Regional Leaking Underground Storage Tank / SRC#</b> 3104	<b>Agency ID:</b>	R-02130
<b>Agency Address:</b>	MCKESSON CHEMICAL COMPANY 9005 SORENSEN AVE S SANTA FE SPRINGS, CA 90670	
<b>Tank Status:</b>	NOT AVAILABLE	
<b>Discovery Date:</b>	DECEMBER 11, 1995	
<b>Media Affected:</b>	UNKNOWN	
<b>Leak Cause:</b>	UNAVAILABLE	
<b>Remedial Action:</b>	NOT AVAILABLE	
<b>Remedial Status 1:</b>	LEAK BEING CONFIRMED	
<b>Remedial Status 2:</b>	NOT AVAILABLE	
<b>Fields Not Reported:</b>	Substance, Quantity (Units), Leak Source	

<b>CORTESE / SRC#</b> 2298	<b>EPA/Agency ID:</b>	N/A
<b>Agency Address:</b>	MCKESSON CHEMICAL COMPANY 9005 SORENSEN AVE SANTA FE SPRINGS, CA 906700000	
<b>List Name:</b>	CALSITE	
<b>Site ID:</b>	INV-ID19-029592	

<b>VISTA Address*:</b>	<b>FOREMOST MCKESSON INC</b> 9005 SORENSEN AVE SANTA FE SPRINGS, CA 90670	<b>VISTA ID#:</b>	156385
		<b>Distance/Direction:</b>	0.26 MI / SE
		<b>Plotted as:</b>	Point

Map ID  
**19**

<b>CERCLIS / SRC#</b> 2977	<b>EPA ID:</b>	CAD060395753		
<b>Agency Address:</b>	SAME AS ABOVE			
<b>NPL Status:</b>	NOT A PROPOSED, CURRENT, OR DELETED NPL SITE			
<b>Site Ownership:</b>	UNKNOWN			
<b>Lead Agency:</b>	NO DETERMINATION			
<b>Site Description:</b>	NOT REPORTED			
<b>Event Type:</b>	<b>Lead Agency:</b>	<b>Event Status:</b>	<b>Start Date:</b>	<b>Completion Date:</b>
DISCOVERY	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	AUGUST 1, 1980
PRELIMINARY ASSESSMENT	STATE, FUND FINANCED	UNKNOWN	MAY 1, 1984	AUGUST 1, 1984
SCREENING SITE INSPECTION	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	SEPTEMBER 1, 1986
SCREENING SITE INSPECTION	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	SEPTEMBER 10, 1990

DICE 01979



**SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.**

<b>Event Type:</b>	<b>Lead Agency:</b>	<b>Event Status:</b>	<b>Start Date:</b>	<b>Completion Date:</b>
SCREENING SITE INSPECTION	EPA FUND-FINANCED	NO FURTHER REMEDIAL ACTION PLANNED	NOT REPORTED	OCTOBER 11, 1991
<b>Regional CERCLIS / SRC# 2462</b>			<b>EPA ID:</b>	CAD060395753
<b>Agency Address:</b>		SAME AS ABOVE		
<b>Regional Utility Description:</b> OTHER: CORROSIVE AND IGNITABLE WASTES				
<b>Regional CERCLIS / SRC# 2462</b>			<b>EPA ID:</b>	CAD060395753
<b>Agency Address:</b>		SAME AS ABOVE		
<b>Regional Utility Description:</b> TANKS				
<b>Regional CERCLIS / SRC# 2462</b>			<b>EPA ID:</b>	CAD060395753
<b>Agency Address:</b>		SAME AS ABOVE		
<b>Regional Utility Description:</b> ACIDS				
<b>Regional CERCLIS / SRC# 2462</b>			<b>EPA ID:</b>	CAD060395753
<b>Agency Address:</b>		SAME AS ABOVE		
<b>Regional Utility Description:</b> SOLVENTS				
<b>Regional CERCLIS / SRC# 2462</b>			<b>EPA ID:</b>	CAD060395753
<b>Agency Address:</b>		SAME AS ABOVE		
<b>Regional Utility Description:</b> HAZARD TARGET GROUNDWATER: POTENTIAL				
<b>Regional CERCLIS / SRC# 2462</b>			<b>EPA ID:</b>	CAD060395753
<b>Agency Address:</b>		SAME AS ABOVE		
<b>Regional Utility Description:</b> DRUMS, ABOVE GROUND				
<b>Regional CERCLIS / SRC# 2462</b>			<b>EPA ID:</b>	CAD060395753
<b>Agency Address:</b>		SAME AS ABOVE		
<b>Regional Utility Description:</b> RCRA REGULATED: GENERATOR, TRANSPORTER (NON HANDLER) SEE NOTIFIC				
<b>Regional CERCLIS / SRC# 2462</b>			<b>EPA ID:</b>	CAD060395753
<b>Agency Address:</b>		SAME AS ABOVE		
<b>Regional Utility Description:</b> ATIONFILE				
<b>Regional CERCLIS / SRC# 2462</b>			<b>EPA ID:</b>	CAD060395753
<b>Agency Address:</b>		SAME AS ABOVE		
<b>Regional Utility Description:</b> NOTIS 103(C) SITE				

DICE 01980



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #60

**SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.**

<b>CORRACTS / SRC# 3057</b>		<b>EPA ID:</b>	<b>CAD060395753</b>
<b>Agency Address:</b>	FOREMOST MCKESSON INC CHEM DIV 9005 SORENSON AVE SANTA FE SPRINGS, CA 90670		
<b>Prioritization Status:</b>	MEDIUM		
<b>RCRA Facility Assessment Completed:</b>	YES		
<b>Notice of Contamination:</b>	NO		
<b>Determination of need For a RFI (RCRA Facility Investigation):</b>	NO		
<b>RFI Imposed:</b>	YES		
<b>RFI Workplan Notice of Deficiency Issued:</b>	NO		
<b>RFI Workplan Approved:</b>	NO		
<b>RFI Report Received:</b>	NO		
<b>RFI Approved:</b>	YES		
<b>No Further Corrective Action at this Time:</b>	NO		
<b>Stabilization Mesasures Evaluation:</b>	YES		
<b>CMS (Corrective Measure Study) Imposition:</b>	YES		
<b>CMS Workplan Approved:</b>	NO		
<b>CMS Report Received:</b>	NO		
<b>CMS Approved:</b>	YES		
<b>Date for Remedy Selection (CM Imposed):</b>	YES		
<b>Corrective Measures Design Approved:</b>	YES		
<b>Corrective Measures Investigation Workplan Approved:</b>	YES		
<b>Certification of Remedy Completion:</b>	NO		
<b>Stabilization Measures Implementation:</b>	YES		
<b>Stabilization Measures Completed:</b>	YES		
<b>Corrective Action Process Termination:</b>	NO		
<b>RCRA-TSD / SRC# 3057</b>		<b>EPA ID:</b>	<b>CAD060395753</b>
<b>Agency Address:</b>	FOREMOST MCKESSON INC CHEM DIV 9005 SORENSON AVE SANTA FE SPRINGS, CA 90670		
<b>Off-Site Waste Received:</b>	NO		
<b>Land Disposal:</b>	NO		
<b>Incinerator:</b>	NO		
<b>Storage/Treatment:</b>	NO		

DICE 01981



**SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.**

VISTA Address*:	PETERSON/PURITAN INC 9101 S SORENSEN AVE SANTA FE SPRINGS, CA 90670	VISTA ID#:	327119
		Distance/Direction:	0.31 MI / SE
		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 3056		Agency ID:	906700016C

Map ID  
**19**

Agency Address:	PETERSON/PURITAN INC 9101 S SORENSEN AVE SANTA FE SPRING, CA 90670
Tank Status:	NOT AVAILABLE
Media Affected:	SOIL/SAND/LAND
Substance:	SOLVENTS
Leak Cause:	UNAVAILABLE
Remedial Action:	NOT AVAILABLE
Remedial Status 1:	CASE CLOSED/CLEANUP COMPLETE
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source

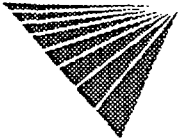
Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3104	Agency ID:	906700016
---	------------	-----------

Agency Address:	PETERSON/PURITAN INC 9101 SORENSEN AVE S SANTA FE SPRINGS, CA 90670
Tank Status:	NOT AVAILABLE
Discovery Date:	FEBRUARY 20, 1985
Media Affected:	SOIL/SAND/LAND
Substance:	SOLVENTS
Leak Cause:	UNAVAILABLE
Remedial Action:	NOT AVAILABLE
Remedial Status 1:	CASE CLOSED/CLEANUP COMPLETE
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Quantity (Units), Leak Source

VISTA Address*:	SHELL STATION NO 204-8458-1600 11515 E SLAUSON WHITTIER, CA 90604	VISTA ID#:	377479
		Distance/Direction:	0.27 MI / NW
		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 3056		Agency ID:	I-05612

Map ID  
**20**

Agency Address:	SAME AS ABOVE
Tank Status:	NOT AVAILABLE
Media Affected:	GROUNDWATER
Substance:	GASOLINE (UNSPECIFIED)
Leak Cause:	UNAVAILABLE
Remedial Action:	EXCAVATE DISPOSE
Remedial Status 1:	MONITORING
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source



DICE 01982

**SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.**

<b>Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3104</b>		Agency ID:	I-05612
Agency Address:	SHELL #204-8454-1600 11515 SLAUSON AVE E WHITTIER, CA 90606		
Tank Status:	NOT AVAILABLE		
Discovery Date:	APRIL 1, 1993		
Media Affected:	GROUNDWATER		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	MONITORING		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units), Leak Source		

<b>CORTESE / SRC# 2298</b>		EPA/Agency ID:	N/A
Agency Address:	SHELL # 11515 SLAUSON WHITTIER, CA 90604		
List Name:	LEAKING TANK		
Site ID:	INV-ID19-002048		

VISTA Address*:	<b>CIRCLE K CORPORATION</b> <b>11462 SLAUSON AVENUE E.</b> <b>SANTA FE SPRINGS, CA 90670</b>	VISTA ID#:	2749552
		Distance/Direction:	0.32 MI / NW
		Plotted as:	Point

Map ID  
**20**

<b>STATE LUST - State Leaking Underground Storage Tank / SRC# 3056</b>		Agency ID:	000312
Agency Address:	SAME AS ABOVE		
Tank Status:	NOT AVAILABLE		
Media Affected:	UNKNOWN		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	NO ACTION TAKEN BY RESPONSIBLE PARTY		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source		

<b>Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3104</b>		Agency ID:	000312
Agency Address:	CIRCLE K 11462 SLAUSON AVE E SANTA FE SPRINGS, CA 90670		
Tank Status:	NOT AVAILABLE		
Discovery Date:	JUNE 24, 1986		
Media Affected:	UNKNOWN		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	NO ACTION TAKEN BY RESPONSIBLE PARTY		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units), Leak Source		

DICE 01983



**SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.**

VISTA Address*:	<b>CALAVAR CORP 9200 SORENSEN AVE SANTA FE SPRINGS, CA 90670</b>	VISTA ID#:	65745
		Distance/Direction:	0.36 MI / SE
		Plotted as:	Point

Map ID  
**21**

STATE LUST - State Leaking Underground Storage Tank / SRC# 3056	Agency ID:	I-06744
---	------------	---------

Agency Address:	CALAVAR CORP 9200 SORENSEN AVE SANTA FE SPRING, CA 90670
Tank Status:	NOT AVAILABLE
Media Affected:	SOIL/SAND/LAND
Substance:	GASOLINE (UNSPECIFIED)
Leak Cause:	UNAVAILABLE
Remedial Action:	NOT AVAILABLE
Remedial Status 1:	PRELIMINARY ASSESSMENT
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3104	Agency ID:	I-06744
---	------------	---------

Agency Address:	CALAVAR CORP. 9200 SORENSEN AVE S SANTA FE SPRINGS, CA 90670
Tank Status:	NOT AVAILABLE
Discovery Date:	APRIL 29, 1992
Media Affected:	SOIL/SAND/LAND
Substance:	GASOLINE (UNSPECIFIED)
Leak Cause:	UNAVAILABLE
Remedial Action:	NOT AVAILABLE
Remedial Status 1:	PRELIMINARY ASSESSMENT
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Quantity (Units), Leak Source

CORTESE / SRC# 2298	EPA/Agency ID:	N/A
---------------------	----------------	-----

Agency Address:	CALAVAR CORP. 9200 SORENSEN AVE S. SANTA FE SPRINGS, CA 90670
List Name:	LEAKING TANK
Site ID:	INV-ID19-003566

VISTA Address*:	<b>TUBE SERVICE COMPANY 9351 SO. NORWALK BLVD. SANTA FE SPRINGS, CA 90670</b>	VISTA ID#:	1237432
		Distance/Direction:	0.38 MI / SW
		Plotted as:	Point

Map ID  
**22**

STATE LUST - State Leaking Underground Storage Tank / SRC# 3056	Agency ID:	I-10296
---	------------	---------

Agency Address:	TUBE SERVICE COMPANY 9351 SO. NORWALK BLVD. SANTA FE SPRING, CA 90670
Tank Status:	NOT AVAILABLE
Media Affected:	SOIL/SAND/LAND
Substance:	GASOLINE (UNSPECIFIED)
Leak Cause:	UNAVAILABLE
Remedial Action:	NO ACTION TAKEN
Remedial Status 1:	NO ACTION TAKEN BY RESPONSIBLE PARTY
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source

DICE 01984



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #64

**SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.**

<b>Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3104</b>		<b>Agency ID:</b>	1-10296
<b>Agency Address:</b>	TUBE SERVICE COMPANY 9351 NORWALK BLVD S SANTA FE SPRINGS, CA 90670		
<b>Tank Status:</b>	NOT AVAILABLE		
<b>Discovery Date:</b>	FEBRUARY 2, 1995		
<b>Media Affected:</b>	SOIL/SAND/LAND		
<b>Substance:</b>	GASOLINE (UNSPECIFIED)		
<b>Leak Cause:</b>	UNAVAILABLE		
<b>Remedial Action:</b>	NOT AVAILABLE		
<b>Remedial Status 1:</b>	CASE CLOSED/CLEANUP COMPLETE		
<b>Remedial Status 2:</b>	NOT AVAILABLE		
<b>Fields Not Reported:</b>	Quantity (Units), Leak Source		

<b>VISTA Address*:</b>	FINE LINE PAINT CORP 12200 LOS NIETOS RD SANTA FE SPRINGS, CA 90670	<b>VISTA ID#:</b>	151703
		<b>Distance/Direction:</b>	0.42 MI / S
		<b>Plotted as:</b>	Point

Map ID  
**23**

<b>CERCLIS / SRC# 2977</b>		<b>EPA ID:</b>	CAD008263048
<b>Agency Address:</b>	SAME AS ABOVE		
<b>NPL Status:</b>	NOT A PROPOSED, CURRENT, OR DELETED NPL SITE		
<b>Site Ownership:</b>	UNKNOWN		
<b>Lead Agency:</b>	NO DETERMINATION		
<b>Site Description:</b>	NOT REPORTED		
<b>Event Type:</b>	<b>Lead Agency:</b>	<b>Event Status:</b>	<b>Start Date:</b> <b>Completion Date:</b>
DISCOVERY	STATE, FUND FINANCED	UNKNOWN	NOT REPORTED      JULY 1, 1986
PRELIMINARY ASSESSMENT	STATE, FUND FINANCED	UNKNOWN	JULY 1, 1986      JANUARY 1, 1987
SCREENING SITE INSPECTION	EPA FUND-FINANCED	NO FURTHER REMEDIAL ACTION PLANNED	NOT REPORTED      JULY 1, 1988

<b>Regional CERCLIS / SRC# 2462</b>	<b>EPA ID:</b>	CAD008263048
<b>Agency Address:</b>	SAME AS ABOVE	

<b>Regional Utility Description:</b>	CALIFORNIA 3012 SITE
--------------------------------------	----------------------

<b>Regional CERCLIS / SRC# 2462</b>	<b>EPA ID:</b>	CAD008263048
<b>Agency Address:</b>	SAME AS ABOVE	

<b>Regional Utility Description:</b>	RCRA REGULATED GEN
--------------------------------------	--------------------

<b>Regional CERCLIS / SRC# 2462</b>	<b>EPA ID:</b>	CAD008263048
<b>Agency Address:</b>	SAME AS ABOVE	

<b>Regional Utility Description:</b>	DRUMS, ABOVE GROUND
--------------------------------------	---------------------

<b>Regional CERCLIS / SRC# 2462</b>	<b>EPA ID:</b>	CAD008263048
<b>Agency Address:</b>	SAME AS ABOVE	

<b>Regional Utility Description:</b>	UNDERGROUND TANK- SOLVENTS: 3 EA
--------------------------------------	----------------------------------

<b>Regional CERCLIS / SRC# 2462</b>	<b>EPA ID:</b>	CAD008263048
<b>Agency Address:</b>	SAME AS ABOVE	

<b>Regional Utility Description:</b>	UNDERGROUND TANKS- OTHER: 2 EA, RAW MATERIALS STORAGE
--------------------------------------	---

<b>Regional CERCLIS / SRC# 2462</b>	<b>EPA ID:</b>	CAD008263048
<b>Agency Address:</b>	SAME AS ABOVE	

<b>Regional Utility Description:</b>	IMPOUNDMENTS: SUMP
--------------------------------------	--------------------

DICE 01985



**SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.**

<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008263048
<b>Agency Address:</b>	SAME AS ABOVE	
<b>Regional Utility Description:</b>	SOLVENTS	
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008263048
<b>Agency Address:</b>	SAME AS ABOVE	
<b>Regional Utility Description:</b>	ORGANICS: WASH THINNER PAINT SLUDGE	
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008263048
<b>Agency Address:</b>	SAME AS ABOVE	
<b>Regional Utility Description:</b>	NEW CERCLIS SITE	
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008263048
<b>Agency Address:</b>	SAME AS ABOVE	
<b>Regional Utility Description:</b>	SOIL CONTAMINATION: WASTEWATER DISCHARGE ALONG RAILROAD TRACKS-	
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008263048
<b>Agency Address:</b>	SAME AS ABOVE	
<b>Regional Utility Description:</b>	CONTAINING THANIUM	
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008263048
<b>Agency Address:</b>	SAME AS ABOVE	
<b>Regional Utility Description:</b>	SOIL CONTAMINATION (CONTINUED): WASTEWATER CONTAIN-ING CHROMIUM,	
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD008263048
<b>Agency Address:</b>	SAME AS ABOVE	
<b>Regional Utility Description:</b>	CADMIUM, LEAD, MERCURY	
<b>SCL - State Equivalent CERCLIS List / SRC# 2825</b>	Agency ID:	19280908
<b>Agency Address:</b>	FINE LINE PAINT CORPORATION 12200 LOS NIETOS ROAD SANTA FE SPRINGS, CA 90670	
<b>Facility Type:</b>	NOT AVAILABLE	
<b>Lead Agency:</b>	NOT AVAILABLE	
<b>State Status:</b>	REFERRED TO ANOTHER AGENCY	
<b>Pollutant 1:</b>	LEAD	
<b>Pollutant 2:</b>	CHROMIUM (VI)	
<b>Pollutant 3:</b>	CONTAMINATED SOIL	
<b>Fields Not Reported:</b>	Status	
<b>STATE LUST - State Leaking Underground Storage Tank / SRC# 3056</b>	Agency ID:	I-07632
<b>Agency Address:</b>	SAME AS ABOVE	
<b>Tank Status:</b>	NOT AVAILABLE	
<b>Media Affected:</b>	GROUNDWATER	
<b>Substance:</b>	GASOLINE (UNSPECIFIED)	
<b>Leak Cause:</b>	UNAVAILABLE	
<b>Remedial Action:</b>	NOT AVAILABLE	
<b>Remedial Status 1:</b>	CASE CLOSED/CLEANUP COMPLETE	
<b>Remedial Status 2:</b>	NOT AVAILABLE	
<b>Fields Not Reported:</b>	Discovery Date, Quantity (Units), Leak Source	

DICE 01986





**SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.**

<b>Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3104</b>	Agency ID:	I-07632
Agency Address:	FINELINE PAINT CORP. 12200 LOS NIETOS RD E SANTA FE SPRINGS, CA 90670	
Tank Status:	NOT AVAILABLE	
Discovery Date:	FEBRUARY 25, 1992	
Media Affected:	GROUNDWATER	
Substance:	GASOLINE (UNSPECIFIED)	
Leak Cause:	UNAVAILABLE	
Remedial Action:	NOT AVAILABLE	
Remedial Status 1:	CASE CLOSED/CLEANUP COMPLETE	
Remedial Status 2:	NOT AVAILABLE	
Fields Not Reported:	Quantity (Units), Leak Source	

<b>CORTESE / SRC# 2298</b>	EPA/Agency ID:	N/A
Agency Address:	FINELINE PAINT CORP. 12200 LOS NIETOS RD E. SANTA FE SPRINGS, CA 90670	
List Name:	LEAKING TANK	
Site ID:	INV-ID19-003468	

VISTA Address:	<b>CALIFORNIA CORRUGATED</b> 11600 LOS NIETOS SANTA FE SPRINGS, CA 90670	VISTA ID#:	4032431
		Distance/Direction:	0.43 MI / W
		Plotted as:	Point

Map ID  
**24**

<b>STATE LUST - State Leaking Underground Storage Tank / SRC# 3056</b>	Agency ID:	I-03283
Agency Address:	CALIFORNIA CORRUGATED 11600 E LOS NIETOS SANTA FE SPRINGS, CA 90670	
Tank Status:	NOT AVAILABLE	
Media Affected:	SOIL/SAND/LAND	
Substance:	HYDROCARBONS	
Leak Cause:	UNAVAILABLE	
Remedial Action:	OTHER	
Remedial Status 1:	LEAK BEING CONFIRMED	
Remedial Status 2:	NOT AVAILABLE	
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source	

<b>Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3104</b>	Agency ID:	I-03283
Agency Address:	CALIFORNIA CORRUGATED INC. 11600 LOS NIETOS RD E SANTA FE SPRINGS, CA 90670	
Tank Status:	NOT AVAILABLE	
Discovery Date:	JUNE 17, 1993	
Media Affected:	SOIL/SAND/LAND	
Substance:	HYDROCARBONS	
Leak Cause:	UNAVAILABLE	
Remedial Action:	NOT AVAILABLE	
Remedial Status 1:	LEAK BEING CONFIRMED	
Remedial Status 2:	NOT AVAILABLE	
Fields Not Reported:	Quantity (Units), Leak Source	

<b>CORTESE / SRC# 2298</b>	EPA/Agency ID:	N/A
Agency Address:	CALIFORNIA CORRUGATED INC. 11600 LOS NIETOS RD E. SANTA FE SPRINGS, CA 90670	
List Name:	LEAKING TANK	
Site ID:	INV-ID19-003907	

DICE 01987



SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.

VISTA Address*:	CAL-TRON PLATING, INC 11919 EAST RIVERA ROAD SANTA FE SPRINGS, CA 90670	VISTA ID#:	66594
		Distance/Direction:	0.46 MI / NE
		Plotted as:	Point
SCL - State Equivalent CERCLIS List / SRC# 2825		Agency ID:	19340340
Agency Address:	SAME AS ABOVE		
Facility Type:	NOT AVAILABLE		
Lead Agency:	NOT AVAILABLE		
State Status:	REFERRED TO ANOTHER AGENCY		
Pollutant 1:	UNKNOWN		
Pollutant 2:	UNKNOWN		
Pollutant 3:	UNKNOWN		
Fields Not Reported:	Status		

Map ID

25

VISTA Address*:	U.S. GYPSUM COMPANY 9306 SORENSEN SANTA FE SPRINGS, CA 90670	VISTA ID#:	1158976
		Distance/Direction:	0.47 MI / SE
		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 3056		Agency ID:	I-006134-
Agency Address:	U.S. GYPSUM COMPANY 9306 SORENSEN SANTA FE SPRING, CA 90670		
Tank Status:	NOT AVAILABLE		
Media Affected:	UNKNOWN		
Substance:	DIESEL		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	CASE CLOSED/CLEANUP COMPLETE		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source		
Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3104		Agency ID:	I-06134
Agency Address:	US GYPSUM CO. 9306 SORENSEN AVE SANTA FE SPRINGS, CA 90670		
Tank Status:	NOT AVAILABLE		
Discovery Date:	FEBRUARY 9, 1990		
Media Affected:	UNKNOWN		
Substance:	DIESEL		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	CASE CLOSED/CLEANUP COMPLETE		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units), Leak Source		

Map ID

26

DICE 01988



\* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #68

**SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.**

VISTA Address*:	VALVOLINE OIL CO 9520 JOHN ST SANTA FE SPRINGS, CA 90670	VISTA ID#:	450897
		Distance/Direction:	0.47 MI / SE
		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 3056		Agency ID:	I-03240

Map ID  
**27**

Agency Address:	VALVOLINE OIL COMPANY 9520 JOHN ST SANTA FE SPRING, CA 90670
Tank Status:	NOT AVAILABLE
Media Affected:	GROUNDWATER
Substance:	DIESEL
Leak Cause:	UNAVAILABLE
Remedial Action:	EXCAVATE DISPOSE
Remedial Status 1:	REM ACTION TAKEN
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3104	Agency ID:	I-03240
---	------------	---------

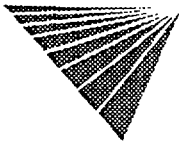
Agency Address:	VALVOLINE OIL COMPANY 9520 JOHN ST S SANTA FE SPRINGS, CA 90670
Tank Status:	NOT AVAILABLE
Discovery Date:	FEBRUARY 1, 1988
Media Affected:	GROUNDWATER
Substance:	DIESEL
Leak Cause:	UNAVAILABLE
Remedial Action:	NOT AVAILABLE
Remedial Status 1:	REM ACTION PLAN
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Quantity (Units), Leak Source

VISTA Address*:	WHITTIER PLATTING CO INC 11642 E PIKE ST SANTA FE SPRINGS, CA 90670	VISTA ID#:	468915
		Distance/Direction:	0.47 MI / SW
		Plotted as:	Point
CERCLIS / SRC# 2977		EPA ID:	CAD008495129

Map ID  
**28**

Agency Address:	SAME AS ABOVE			
NPL Status:	NOT A PROPOSED, CURRENT, OR DELETED NPL SITE			
Site Ownership:	PRIVATE/NON-GOVERNMENTAL			
Lead Agency:	NOT AVAILABLE			
Site Description:	NOT REPORTED			
Event Type:	Lead Agency:	Event Status:	Start Date:	Completion Date:
DISCOVERY	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	JANUARY 1, 1991
PRELIMINARY ASSESSMENT	EPA FUND-FINANCED	DEFERRED TO RCRA (SUBTITLE C) OR NRC	NOT REPORTED	AUGUST 9, 1991

DICE 01989



SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT:

CORRACTS / SRC# 3057		EPA ID:	CAD008495129
Agency Address:	WHITTIER PLATING CO., INC. 11642 E PIKE ST SANTA FE SPRINGS, CA 90670		
Prioritization Status:	LOW		
RCRA Facility Assessment Completed:	NO		
Notice of Contamination:	NO		
Determination of need For a RFI (RCRA Facility Investigation):	NO		
RFI Imposed:	NO		
RFI Workplan Notice of Deficiency Issued:	NO		
RFI Workplan Approved:	NO		
RFI Report Received:	NO		
RFI Approved:	NO		
No Further Corrective Action at this Time:	NO		
Stabilization Mesasures Evaluation:	NO		
CMS (Corrective Measure Study) Imposition:	NO		
CMS Workplan Approved:	NO		
CMS Report Received:	NO		
CMS Approved:	NO		
Date for Remedy Selection (CM Imposed):	NO		
Corrective Measures Design Approved:	NO		
Corrective Measures Investigation Workplan Approved:	NO		
Certification of Remedy Completion:	NO		
Stabilization Measures Implementation:	NO		
Stabilization Measures Completed:	NO		
Corrective Action Process Termination:	NO		

VISTA Address*:	MCKESSON CHEM CO 11600 PIKE ST SANTA FE SPRINGS, CA 90670	VISTA ID#:	264990
		Distance/Direction:	0.48 MI / SW
		Plotted as:	Point

Map ID  
**28**

CERCLIS / SRC# 2977		EPA ID:	CAD000633313	
Agency Address:	SAME AS ABOVE			
NPL Status:	NOT A PROPOSED, CURRENT, OR DELETED NPL SITE			
Site Ownership:	UNKNOWN			
Lead Agency:	NOT AVAILABLE			
Site Description:	NOT REPORTED			
Event Type:	Lead Agency:	Event Status:	Start Date:	Completion Date:
DISCOVERY	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	AUGUST 1, 1980
PRELIMINARY ASSESSMENT	STATE, FUND FINANCED	NO FURTHER REMEDIAL ACTION PLANNED	MARCH 1, 1984	MAY 1, 1985

Regional CERCLIS / SRC# 2462		EPA ID:	CAD000633313
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	NOT IS SITE		



DICE 01990

**SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.**

<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD000633313
<b>Agency Address:</b>	SAME AS ABOVE	
<b>Regional Utility Description:</b>	RCRA REGULATED: GENERATOR SEE NOTIFICATION FILE	
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD000633313
<b>Agency Address:</b>	SAME AS ABOVE	
<b>Regional Utility Description:</b>	OTHER: NON-LISTED CORROSIVE TOXIC WASTE, SODIUM HYDROCHLORIDE	
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD000633313
<b>Agency Address:</b>	SAME AS ABOVE	
<b>Regional Utility Description:</b>	OTHER: TANKS, DRUMS (ABOVE OR BELOW GROUND UNKNOWN)	
<b>Regional CERCLIS / SRC# 2462</b>	EPA ID:	CAD000633313
<b>Agency Address:</b>	SAME AS ABOVE	
<b>Regional Utility Description:</b>	OTHER: MFG DISTRIBUTE ORGANIC INORGANIC MATERIALS	

<b>VISTA Address*:</b>	<b>ALLPURE CHEMICAL COMPANY</b> 11600 PIKE STREET SANTA FE SPRINGS, CA 90670	<b>VISTA ID#:</b>	493950
		<b>Distance/Direction:</b>	0.48 MI / SW
		<b>Plotted as:</b>	Point

Map ID  
**28**

<b>SCL - State Equivalent CERCLIS List / SRC# 2825</b>	Agency ID:	19281186
<b>Agency Address:</b>	SAME AS ABOVE	
<b>Facility Type:</b>	NOT AVAILABLE	
<b>Lead Agency:</b>	NOT AVAILABLE	
<b>State Status:</b>	REFERRED TO ANOTHER AGENCY	
<b>Pollutant 1:</b>	UNKNOWN	
<b>Pollutant 2:</b>	UNKNOWN	
<b>Pollutant 3:</b>	UNKNOWN	
<b>Fields Not Reported:</b>	Status	

<b>VISTA Address*:</b>	<b>SOUTHERN STEEL SUPPLY CO.</b> 12350 LOS NIETOS ROAD SANTA FE SPRINGS, CA 90670	<b>VISTA ID#:</b>	1245694
		<b>Distance/Direction:</b>	0.48 MI / S
		<b>Plotted as:</b>	Point

Map ID  
**29**

<b>STATE LUST - State Leaking Underground Storage Tank / SRC# 3056</b>	Agency ID:	012789-02
<b>Agency Address:</b>	SOUTHERN STEEL SUPPLY CO. 12350 LOS NIETOS ROAD SANTA FE SPRI, CA 90670	
<b>Tank Status:</b>	NOT AVAILABLE	
<b>Media Affected:</b>	SOIL/SAND/LAND	
<b>Substance:</b>	GASOLINE (UNSPECIFIED)	
<b>Leak Cause:</b>	UNAVAILABLE	
<b>Remedial Action:</b>	EXCAVATE DISPOSE	
<b>Remedial Status 1:</b>	MONITORING	
<b>Remedial Status 2:</b>	NOT AVAILABLE	
<b>Fields Not Reported:</b>	Discovery Date, Quantity (Units), Leak Source	



**SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.**

<b>Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3104</b>		Agency ID:	012789-02
Agency Address:	SOUTHERN STEEL SUPPLY CO, INC 12350 LOS NIETOS RD SANTA FE SPRINGS, CA 90670		
Tank Status:	NOT AVAILABLE		
Discovery Date:	JANUARY 17, 1989		
Media Affected:	SOIL/SAND/LAND		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	MONITORING		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units), Leak Source		

<b>CORTESE / SRC# 2298</b>		EPA/Agency ID:	N/A
Agency Address:	SOUTHERN STEEL SUPPLY CO INC 12350 LOS NIETOS RD SANTA FE SPRINGS, CA 90670		
List Name:	LEAKING TANK		
Site ID:	INV-ID19-001885		

VISTA Address*:	<b>SUR-LITE CORPORATION</b> 8124 ALLPORT AVE. SANTA FE SPRINGS, CA 90670	VISTA ID#:	413978
		Distance/Direction:	0.49 MI / N
		Plotted as:	Point

Map ID  
**30**

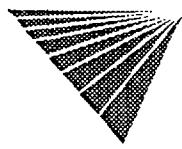
<b>CERCLIS / SRC# 2977</b>		EPA ID:	CAD981687114
Agency Address:	SAME AS ABOVE		
NPL Status:	NOT VALID SITE		
Site Ownership:	PRIVATE/NON-GOVERNMENTAL		
Lead Agency:	NO DETERMINATION		
Site Description:	NOT REPORTED		
Event Type:	Lead Agency:	Event Status:	Start Date:
DISCOVERY	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED
		Completion Date:	JULY 9, 1991

VISTA Address*:	<b>THIEM INDUSTRIES</b> 8311 SORENSEN SANTA FE SPRINGS, CA 90670	VISTA ID#:	4043434
		Distance/Direction:	0.50 MI / NE
		Plotted as:	Point

Map ID  
**31**

<b>STATE LUST - State Leaking Underground Storage Tank / SRC# 3056</b>		Agency ID:	R-13299
Agency Address:	THIEM INDUSTRIES 8311 SORENSEN SANTA FE SPRINGS, CA		
Tank Status:	NOT AVAILABLE		
Media Affected:	SOIL/SAND/LAND		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	LEAK BEING CONFIRMED		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source		

DICE 01992



**SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.**

<b>Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3104</b>		Agency ID:	R-13299
<b>Agency Address:</b>	THIEM INDUSTRIES (FORMER) 8311 SORENSON AVE SANTA FE SPRINGS, CA 90670		
<b>Tank Status:</b>	NOT AVAILABLE		
<b>Discovery Date:</b>	FEBRUARY 28, 1995		
<b>Media Affected:</b>	SOIL/SAND/LAND		
<b>Substance:</b>	GASOLINE (UNSPECIFIED)		
<b>Leak Cause:</b>	UNAVAILABLE		
<b>Remedial Action:</b>	NOT AVAILABLE		
<b>Remedial Status 1:</b>	LEAK BEING CONFIRMED		
<b>Remedial Status 2:</b>	NOT AVAILABLE		
<b>Fields Not Reported:</b>	Quantity (Units), Leak Source		

**SITES IN THE SURROUNDING AREA (within 1/2 - 1 mile)**

<b>VISTA Address*:</b>	<b>WASTE DISPOSAL INC</b> 12731 E LOS NIETOS RD SANTA FE SPRINGS, CA 90670	<b>VISTA ID#:</b>	460238	<b>Map ID</b> <b>32</b>
		<b>Distance:</b>	0.53 MI	
		<b>Plotted as:</b>	Polygon	
<b>NPL - National Priority List / SRC# 3064</b>		<b>EPA ID:</b>	CAD980884357	
<b>Agency Address:</b>	WASTE DISPOSAL INC 12731 E LOS NIETOS RD SANTA FE SPRI, CA 90670			
<b>NPL Status:</b>	CURRENTLY ON FINAL NPL			
<b>Site Ownership:</b>	PRIVATE/NON-GOVERNMENTAL			
<b>Lead Agency:</b>	NOT AVAILABLE			
<b>Site Description:</b>	THE SITE WAS USED AS AN INDUSTRIAL WASTE LANDFILL FROM THE LATE 1920'S UNTIL THE MID 1960'S			
<b>Event Type:</b>	<b>Lead Agency:</b>	<b>Event Status:</b>	<b>Start Date:</b>	<b>Completion Date:</b>
TECHNICAL ASSISTANCE IN RVFS	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	NOT REPORTED
MANAGEMENT ASSISTANCE (FEDERAL RENUMERATION)	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	NOT REPORTED
COMMUNITY RELATIONS PLAN	FEDERAL ENFORCEMENT	UNKNOWN	MARCH 30, 1987	NOT REPORTED
ADMINISTRATIVE RECORD	EPA FUND-FINANCED	ADMIN RECORD COMPILATION / REMOVAL EVENT	AUGUST 12, 1993	NOT REPORTED
DISCOVERY	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	JANUARY 1, 1985
PRELIMINARY ASSESSMENT	STATE, FUND FINANCED	HIGHER PRIORITY	JANUARY 1, 1985	FEBRUARY 1, 1985
SCREENING SITE INSPECTION	EPA FUND-FINANCED	HIGHER PRIORITY	NOT REPORTED	JULY 1, 1985
HAZARD RANKING SYSTEM SCORE	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	JULY 1, 1985

DICE 01993



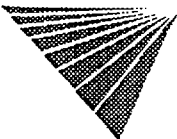
\* VISTA address includes enhanced city and ZIP.  
For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.  
Report ID: 113596-001 Date of Report: September 3, 1996  
Version 2.4.1 Page #73

**SITES IN THE SURROUNDING AREA (within 1/2 - 1 mile) CONT.**

Event Type:	Lead Agency:	Event Status:	Start Date:	Completion Date:
PROPOSED FOR NPL	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	JUNE 10, 1986
FINAL LISTING ON NPL	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	JULY 22, 1987
REMOVAL ACTION	EPA FUND-FINANCED	STABILIZATION	MARCH 28, 1988	APRIL 27, 1988
REMOVAL INVESTIGATION AT NPL SITES	EPA FUND-FINANCED	UNKNOWN	JULY 2, 1990	JULY 2, 1990
REMOVAL INVESTIGATION AT NPL SITES	EPA FUND-FINANCED	UNKNOWN	AUGUST 13, 1991	AUGUST 13, 1991
RECORD OF DECISION	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	DECEMBER 27, 1993
COMBINED RI/FS	EPA FUND-FINANCED	UNKNOWN	DECEMBER 22, 1987	DECEMBER 27, 1993

<b>SPL - State Equivalent Priority List / SRC# 2826</b>		Agency ID:	19490194
Agency Address:	WASTE DISPOSAL, INC. 12731 EAST LOS NIETOS ROAD SANTA FE SPRINGS, CA 90670 CURRENTLY ON FINAL NPL		
Status:	NOT AVAILABLE		
Facility Type:	EPA FUND-FINANCED		
Lead Agency:	ANNUAL WORK PLAN		
State Status:	HALOGENATED ORGANIC COMPOUNDS		
Pollutant 1:	CONTAMINATED SOIL		
Pollutant 2:	DRILLING MUD/CHEMICALS		
Pollutant 3:			

DICE 01994





UNMAPPED SITES

VISTA Address*:	ROSE HILLS WHITTIER, CA	VISTA ID#:	5739042
County SWLF - County Solid Waste Landfill / SRC# 2783		Agency ID:	19-AH-5001
Agency Address:	SAME AS ABOVE		
Facility Class:	unknown		
Facility Type:	SANITARY LANDFILL/LANDFILL		
Public Status:	CLOSED		
Solid Waste Status:	INACTIVE/CLOSED		
SWIS Permit Status:	INACTIVE		

DICE 01995



\* VISTA address includes enhanced city and ZIP.  
 For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.  
 Report ID: 113596-001      Date of Report: September 3, 1996  
 Version 2.4.1      Page #75

# SITE ASSESSMENT PLUS REPORT

## DESCRIPTION OF DATABASES SEARCHED

### A) DATABASES SEARCHED TO 1 MILE

**NPL**  
**SRC#: 3064** VISTA conducts a database search to identify all sites within 1 mile of your property.  
The agency release date for NPL was June, 1996.

The National Priorities List (NPL) is the EPA's database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund program. A site must meet or surpass a predetermined hazard ranking system score, be chosen as a state's top priority site, or meet three specific criteria set jointly by the US Dept of Health and Human Services and the US EPA in order to become an NPL site.

**SPL**  
**SRC#: 2826** VISTA conducts a database search to identify all sites within 1 mile of your property.  
The agency release date for Calsites Database: Annual Workplan Sites was January, 1996.

This database is provided by the Cal. Environmental Protection Agency, Dept. of Toxic Substances Control.

**CORRACTS**  
**SRC#: 3057** VISTA conducts a database search to identify all sites within 1 mile of your property.  
The agency release date for RCRA Corrective Action Sites List was May, 1996.

The EPA maintains this database of RCRA facilities which are undergoing "corrective action". A "corrective action order" is issued pursuant to RCRA Section 3008 (h) when there has been a release of hazardous waste or constituents into the environment from a RCRA facility. Corrective actions may be required beyond the facility's boundary and can be required regardless of when the release occurred, even if it predates RCRA.

**RCRA-TSD**  
**SRC#: 3057** VISTA conducts a database search to identify all sites within 1 mile of your property.  
The agency release date for RCRIS was May, 1996.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA TSDs are facilities which treat, store and/or dispose of hazardous waste.

### B) DATABASES SEARCHED TO 1/2 MILE

**CERCLIS**  
**SRC#: 2976** VISTA conducts a database search to identify all sites within 1/2 mile of your property.  
The agency release date for CERCLIS was March, 1996.

The CERCLIS List contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL. The information on each site includes a history of all pre-remedial, remedial, removal and community relations activities or events at the site, financial funding information for the events, and unrestricted enforcement activities.

DICE 01996



For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #76

**NFRAP**  
**SRC#: 2977**

VISTA conducts a database search to identify all sites within 1/2 mile of your property.  
The agency release date for CERCLIS-NFRAP was March, 1996.

NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.

**Cal Cerclis**  
**SRC#: 2462**

VISTA conducts a database search to identify all sites within 1/2 mile of your property.  
The agency release date for Ca Cerclis w/Regional Utility Description was June, 1995.

This database is provided by the U.S. Environmental Protection Agency, Region 9. These are regional utility descriptions for California CERCLIS sites.

**SCL**  
**SRC#: 2825**

VISTA conducts a database search to identify all sites within 1/2 mile of your property.  
The agency release date for Calsites Database: All Sites except Annual Workplan Sites (incl. ASPIS) was January, 1996.

This database is provided by the Department of Toxic Substances Control.

**SWLF**  
**SRC#: 2882**

VISTA conducts a database search to identify all sites within 1/2 mile of your property.  
The agency release date for Ca Solid Waste Information System (SWIS) was March, 1996.

This database is provided by the Integrated Waste Management Board.

**LAC-Landfills**  
**SRC#: 2783**

VISTA conducts a database search to identify all sites within 1/2 mile of your property.  
The agency release date for Los Angeles County Landfills and Transfer Stations was October, 1995.

This database is provided by the Public Health Investigations, Hazardous Material Control Program.

**WMUDS**  
**SRC#: 2463**

VISTA conducts a database search to identify all sites within 1/2 mile of your property.  
The agency release date for Waste Management Unit Database System (WMUDS) was June, 1995.

This database is provided by the State Water Resources Control Board. This is used for program tracking and inventory of waste management units. This system contains information from the following eight main databases: Facility, Waste Management Unit, SWAT Program Information, SWAT Report Summary Information, Chapter 15 (formerly Subchapter 15), TPCA Program Information, RCRA Program Information, Closure Information, also some information from the WDS (Waste Discharge System).

**LUST**  
**SRC#: 3056**

VISTA conducts a database search to identify all sites within 1/2 mile of your property.  
The agency release date for Lust Information System (LUSTIS) was April, 1996.

This database is provided by the California Environmental Protection Agency.

**LUST RG4**  
**SRC#: 3104**

VISTA conducts a database search to identify all sites within 1/2 mile of your property.  
The agency release date for Region #4-UST Leak List was July, 1996.

This database is provided by the Regional Water Quality Control Board, Region #4.

**LUST RG6**  
**SRC#: 3105**

VISTA conducts a database search to identify all sites within 1/2 mile of your property.  
The agency release date for Region #6-Leaking Underground Storage Tank Listing was June, 1996.

This database is provided by the Regional Water Quality Control Board, Region #6.



**CORTESE** VISTA conducts a database search to identify all sites within 1/2 mile of your property.  
**SRC#: 2298** The agency release date for Cortese List-Hazardous Waste Substance Site List was February, 1995.

This database is provided by the Office of Environmental Protection, Office of Hazardous Materials.

**Deed Restrictions** VISTA conducts a database search to identify all sites within 1/2 mile of your property.  
**SRC#: 1703** The agency release date for Deed Restriction Properties Report was April, 1994.

This database is provided by the Department of Health Services-Land Use and Air Assessment. These are voluntary deed restriction agreements with owners of property who propose building residences, schools, hospitals, or day care centers on property that is "on or within 2,000 feet of a significant disposal of hazardous waste".

**Toxic Pits** VISTA conducts a database search to identify all sites within 1/2 mile of your property.  
**SRC#: 2229** The agency release date for Summary of Toxic Pits Cleanup Facilities was February, 1995.

This database is provided by the Water Quality Control Board, Division of Loans Grants.

#### C) DATABASES SEARCHED TO 1/4 MILE

**RCRA-Viols/En** VISTA conducts a database search to identify all sites within 1/4 mile of your property.  
**SRC#: 3057** The agency release date for RCRIS was May, 1996.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Violators are facilities which have been cited for RCRA Violations at least once since 1980. RCRA Enforcements are enforcement actions taken against RCRA violators.

**UST's** VISTA conducts a database search to identify all sites within 1/4 mile of your property.  
**SRC#: 1612** The agency release date for Underground Storage Tank Registrations Database was January, 1994.

This database is provided by the State Water Resources Control Board, Office of Underground Storage Tanks; Caution-Many states do not require registration of heating oil tanks, especially those used for residential purposes.

**AST's** VISTA conducts a database search to identify all sites within 1/4 mile of your property.  
**SRC#: 2824** The agency release date for Aboveground Storage Tank Database was February, 1996.

This database is provided by the State Water Resources Control Board.

**LAC-Site Miti.** VISTA conducts a database search to identify all sites within 1/4 mile of your property.  
**SRC#: 2683** The agency release date for LA County-Site Mitigation Complaint Control Log was October, 1995.

This database is provided by the Department of Health Services, LA County Public Health Investigations.

DICE 01998



For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 113596-001

Date of Report: September 3, 1996

Version 2.4.1

Page #78

---

Appendix F - Chain-of-Custody

DICE 01999


---

**ESC**

No. 008540

CHAIN OF CUSTODY RECORD

PROJECT NO.		PROJECT NAME AND LOCATION:			NO. OF CONTAINERS	VOC	PAH					REMARKS	
213414		Water Santa Fe Springs											
SAMPLERS: (Signature)				PRINT NAME:									
<i>Bob Beckler</i>				<i>Bob Beckler</i>									
SAMPLE IDENTIFICATION				DATE	TIME	MATRIX						REMARKS	
				1996									
TW-1				8-22	1320	Water	4	X	X				Analytical results
TW-2					1530		4	Y	Y				due 8-27-96
TW-3					1720		4	Y	X				
TW-4					1800		4	Y	X				
TW-5				8-23			4	X	X				
300 ER TW-4				8-22	-		3	X					← std TAT
301 Dup TW-5				8-23	-		3	X					← std TAT
DICE 02000													

Relinquished by: (Signature)	Date Time	Received by: (Signature)	LAB NAME:	<b>ENVIRONMENTAL STRATEGIES CORPORATION</b> 11911 Freedom Drive Reston, Virginia 22090 (703) 709-6500  
<i>Bob Beckler</i>	8-23-96		CITY: Cary NC	
Relinquished by: (Signature)	Date Time	Received by: (Signature)	COURIER: Fed Ex	
			AIRBILL NO. 5370921823	
Received for Laboratory by: (Signature)	PRINT NAME:	Date Time	CUSTODY SEAL NOS:	
			COOLER NO: 26	
ATTENTION LAB: SEND ANALYTICAL RESULTS TO THE FOLLOWING ESC STAFF MEMBER: <i>Bob Beckler &amp; John Johnson</i>				

CA  MA PA MN

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT; COPY TO ESC FILES

No. 008538

CHAIN OF CUSTODY RECORD

PROJECT NO.		PROJECT NAME AND LOCATION:			NO. OF CONTAINERS						REMARKS		
n/a		Witco Santa Fe Springs				VOC	PAH	ZINC					
SAMPLERS: (Signature)		PRINT NAME:											
Bob Beaulieu		Bob Beaulieu											
SAMPLE IDENTIFICATION				DATE	TIME	MATRIX							
				1996									
NW-1A-6'				8-11	0940	So. 1	1	X	X				INITIAL
NE-4-2'					1320					X			
NE-1-6'					1135								
NW-3-6'					0905								
NE-5-1'					1305								
NW-2-8'					1120								
200 dup S-4-1B					-								STJ TAT
201 equipment blank NE-5-1'					-	water	3	X					STJ TAT
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		LAB NAME:		ENVIRONMENTAL STRATEGIES CORPORAT... 11911 Freedom Drive Reston, Virginia 22090 (703) 709-6500					
Bob Beaulieu		8-15-96				IEA							
						CITY: Cary NC							
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		COURIER:							
						Fed Ex							
						AIRBILL NO.							
						1178 288053							
Received for Laboratory by: (Signature)		PRINT NAME:		Date Time		CUSTODY SEAL NOS:							
						COOLER NO:							
						0015							
ATTENTION LAB: SEND ANALYTICAL RESULTS TO THE FOLLOWING ESC STAFF MEMBER:											Bob Beaulieu John Johnson		

CA  MA  PA  MN

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT: COPY TO ESC FILES







---

Appendix G - Boring Logs, Well Construction Details, and Permits

DICE 02003

---

**ESC**

<b>BORING LOG</b> Environmental Strategies Corporation 101 Metro Drive, Suite 650 San Jose, CA 95110	<b>PROJECT</b> <u>Witco</u> <u>Santa Fe Springs</u>	Borehole No. <u>TW-3</u> Sheet <u>1</u> of <u>3</u> Date Drilled <u>8-22-96</u>	Approved by: _____
---	---	---	--------------------

Drilling Co. <u>West Hazmat</u> Driller <u>Tracy</u> ESC Geologist <u>Bob Bealkowski</u>	Boring Location <u>NE property downgradient</u> Ground Elevation _____ TOC Elevation _____	Boring Method <u>Hollow Stem Auger</u> Hole Diameter <u>7-1/4"</u> Inside Diameter _____ Total Depth <u>55'</u>
--	--	--

<u>Outer Casing</u> Type _____ Diameter _____ Length _____	<u>Well Casing/Screen/Filter Pack</u> Type/Diameter <u>PVC/1-inch</u> Screen Length <u>5-foot</u> Screen Slot Size <u>.010</u> Filter Pack <u>#3</u> Total Depth <u>55'</u>	<u>Sampler</u> Method <u>Split Spoon</u> Length (ft) <u>18"</u> Hammer (lbs)/Fall (ins) _____
---	---	--

Blows/Ft.	Sample Depth	Water Level Time & Date	Sample Time	PID (ppm)	Core Sample Number	Depth (ft)	Description	Graphic Log	Well Construction
						1	Dark brown fine sandy silt	ML	
						2			
						3			
						4			
						5			
						6			
						7			
						8			
						9			
						10	Light brown fine sandy silt dense moist	SM	
						11			
						12			
						13			
						14			
						15			
						16			
						17			

**BORING LOG**  
 Environmental Strategies Corporation  
 101 Metro Drive, Suite 650  
 San Jose, CA 95110

**PROJECT**

Witco  
Santa Fe Springs

Bor. No. TW-3  
 Sheet 2 of 3  
 Date Drilled 8-22-96

Approved by:

Blows/Ft.	Sample Depth	Water Level Time & Date	Sample Time	PID (ppm)	Core Sample Number	Depth (ft)	Description	Graphic Log	Well Construction
						18			
						19			
						20			
						21			
						22			
						23			
						24			
						25			
						26			
						27			
						28			
						29			
						30			
						31			
						32			
						33			
						34			
						35			
						36			
						37			
						38			

DICE 02005

**BORING LOG**  
 Environmental Strategies Corporation  
 101 Metro Drive, Suite 650  
 San Jose, CA 95110

**PROJECT**  
Witco  
Santa Fe Springs

Bor .a. TW-3  
 Sheet 3 of 3  
 Date Drilled 8-22-96

Approved by:

Blows/Ft.	Sample Depth	Water Level Time & Date	Sample Time	PID (ppm)	Core Sample Number	Depth (ft)	Description	Graphic Log	Well Construction
						39			
6						40	Light brown mottled grey silt	ML	
7						41			
12						42			
						43			
						44			
						45			
						46			
						47			
						48		▼	
						49			
21						50	Reddish brown silty clay fine sand	CL	
17						51			
						52	Dark brown edium to coarse dense sand saturated		
						53			
						54			
						55			
						56			
						57			
						59			
						60			

DICE 02006

---

Appendix H - Field Sampling Forms

DICE 02007

---

**ESC**

**Environmental Strategies Corporation**  
**Water Sampling Form**

Sample Desig. TW-3 Job / task # 213414 Sampled By Bob Bealkowski  
 Sample Type Temp Well Site Name Witco Santa Fe Springs Date 8/22/96  
(monitoring well, treatment syst., etc.)  
 Sample Method Bailer  
 Field Conditions 100° F

**Water Level Information**

Measuring Point N/A Instrument Used N/A W.L. for 80% recovery \_\_\_\_\_  
(mp, TOC, north point TOC, etc.)  
 W.L. Before Purge \_\_\_\_\_ W.L. After purge \_\_\_\_\_ W.L. Time of Sample \_\_\_\_\_  
 Time \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

**Purge Information**

Purge Start \_\_\_\_\_ Purge Device \_\_\_\_\_  
 Well Depth \_\_\_\_\_ Screened Interval \_\_\_\_\_  
 Well Dia. \_\_\_\_\_ Purge Calculation \_\_\_\_\_ Actual Amt. Removed \_\_\_\_\_  
(well depth-depth to water) X # of casing Vol. = Purge Vol.

**Purge Volume Multipliers**

Casing Dia.	1 Casing Vol.	3 Casing Vol.	5 Casing Vol.
1.0	0.04	0.12	0.20
2.0	0.16	0.49	0.82
3.0	0.37	1.10	1.84
3.5	0.50	1.50	2.50
4.0	0.65	1.96	3.26
4.5	0.83	2.48	4.13
6.0	1.47	4.41	7.34
8.0	2.61	7.83	13.06
10.0	4.08	12.24	20.40

**QA/QC Information**

	X if Present	Designation
Trip blank	_____	_____
Duplicate	_____	_____
Field blank	_____	_____
Q.C. Spike	_____	_____
Other	_____	_____

**Parameter Readings/Notes**

Time	Amt. remv'd	Temp.	Cond.	pH	Turb.	Observations/Notes
						Turbid/no odors

Sample Time 1720 Sample / Lab Information \_\_\_\_\_ Sample Device 1/2 inch disposable bailers

Laboratory name and Location : IEA Cary N.C.

Analysis	Container(s)	No.	Volume	Preservative	Filtration
8270	1	IL		none	
8260	3	40 ml		HCL	

DICE 02008

**Decon. Information**

Purge Device(s) / Equipment 1/2 - inch disposable bailer (briefly describe) \_\_\_\_\_  
 Sampling Device(s) / Equipment \_\_\_\_\_

---

Appendix I - Laboratory Data

DICE 02009

---

**ESC**

**IEA, Inc.**  
**IEA Project NO.: 978\_065RP**  
**SDG: 08311**  
**Client Project ID: Wico Santa Fe Springs**  
**Data Summary Package**



IEA

SDG NARRATIVE VOLATILE FRACTION

PROJECT:978-065

BATCH:08311

METHOD:SW-846 (8260)

Samples: Nineteen (19) Soil Samples

The samples were received at Industrial and Environmental Analysts, Inc. (IEA) on August 16, 1996. Each sample was assigned a 9-character "IEA" lab identification number (lab ID) and a truncated client ID (for forms generation). This package makes reference to these ID's as listed on the IEA Assigned Number Index. All analyses were performed according to approved methodologies and meet the requirements of the IEA Quality Assurance Program. Please see the enclosed data package for your results and Chain of Custody (COC) documentation.

There is an air peak that is common to all of the volatile analyses and a solvent peak common to some volatile analyses. These peaks are present at the beginning of the Reconstructed Ion Chromatograms (RIC) and are labeled. These peaks are not searched as Tentatively Identified Compounds (TIC's).

The SW-846 8260 methodology states if all % RSD's (relative standard deviation) of the relative response factors for each compound is less than 15% then the curve average may be used. However, if the %RSD's are above 15% then linear regression is preferred. In order to simplify the quantitation, linear regression forced origin is the quantitation mode for all compounds. The curve is plotted using response factors, not RRF's, versus the concentration level. The slope of the response factors is provided on a Form 6D following the relative response factor Initial Calibration Form 6A. The calculation is in the form  $y = mx + b$  where,  $b = 0$ ;  $m =$  slope;  $y =$  response factor of the target compound in the sample and  $x =$  concentration to be determined from the curve. When calculating a final concentration the "x" value must be multiplied by the concentration of the internal standard and consequently, multiplied by the dilution factor.

The "N" flag used on the Form I VOA-TIC indicates that there is the presumptive evidence of a compound based on the mass spectral library search and the interpretation of the mass spectral interpretation specialist.

The "Y" flag is used as a qualifier on the Form I VOA-TIC to indicate a siloxane contaminant attributed to trap breakdown. This also indicates non target compounds introduced by the laboratory.

The "M" flag used on the data system report form designates that a manual integration was required to provide an accurate quantification of that analyte. Manual integrations have been initialed and dated by the analyst.

IEA

SDG NARRATIVE VOLATILE FRACTION

I certify that this data package is in compliance with the procedures and methods defined for this project, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data (if applicable) as submitted has been authorized by the laboratory manager or his designee, as verified by the following signature.

Brian D. Neptune 08/26/96

Brian D. Neptune  
Lead Analyst, GC/MS Final Review  
IEA, Inc.

IEA

SDG NARRATIVE SEMIVOLATILE FRACTION

PROJECT: 978-065

BATCH: 08311

METHOD: SW-846 8270

Samples: Nineteen (19) Soil Samples

The samples were received at Industrial and Environmental Analysts, Inc. (IEA) on 08/16/96. Each sample was assigned a 9-character "IEA" lab identification number (lab ID) and an abbreviated client ID which is referenced on the IEA Assigned Number Index. All analyses are performed in accordance with EPA approved methodologies and meet the requirements of the IEA Quality Assurance Program. Please see the enclosed data package for your results and Chain of Custody documentation.

The chromatographic separation of the analytes was performed using a Restek 30 X 0.32 XTI-5 fused silica capillary column with a 0.5  $\mu\text{m}$  bonded phase film thickness.

Instrument data printouts identify the compound 2,2'-oxybis(1-Chloropropane) with CAS number 108-60-1. Alternative nomenclature for this compound is bis(2-Chloroisopropyl)ether which is included on report forms submitted.

The "J" flag used on the Form I SV indicates an estimated concentration between the CRQL and the Method Detection Limit (MDL).

The "M" flag used on the data system report form designates that a manual integration was required to provide an accurate quantification of that analyte. Manual integrations have been initialed and dated by the analyst.

Sample NW28 (9608311-19) was reported at a ten-fold dilution due to the high concentration of non-target compounds present.

Any nonconformances associated with the analysis of the samples in this case are noted as follows:

The Laboratory Control Sample (LCS521) percent recovery for Acenaphthene exceeded the limits specified for this method due to better than expected extraction efficiency.

I certify that this data package is in compliance with the procedures and methods defined for this project, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data (if applicable) as submitted has been authorized by the laboratory manager or his designee, as verified by the following signature.

 08/23/96

David F. Morse  
GC/MS SV Lead Analyst  
IEA, Inc.

IEA, Inc Doc# RPF00701.NC

IEA

SDG NARRATIVE INORGANIC/METALS FRACTION

CASE:978-065

SDG NO.:08311

Sample Numbers: 960831115 (NE42). A total of one (1) soil sample was received for Zinc analysis by Method 6010.

This case was closed on July 16, 1996. The temperature of the samples upon receipt by the Industrial and Environmental Analysts, Inc. (IEA) was 6°C. All samples were received intact.

Each sample has been assigned a 9-character IEA lab identification number. Client identifiers have been truncated to a maximum of 6-characters to accommodate the software constraints, and are cross referenced in the IEA Assigned Number Index (enclosed).

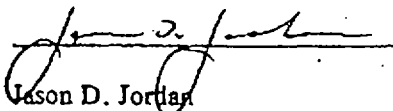
The "\*" flag is used to identify the sample duplicate analysis exceeds the 20% RPD criteria. The following sample(s) are flagged with a "\*" for the metal(s) listed:

<u>Sample ID</u>	<u>Metal</u>
960831115 (NE42)	Zinc

Any nonconformances associated with the analysis of samples in this case are noted as follows:

There are no nonconformances associated with this case.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the laboratory manager or his designee, as verified by the following signature.

 08/23/96  
Jason D. Jordan  
Inorganic Data Reviewer  
IEA, Inc.

1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-2-1'A

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831102

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0819710.D

Level: (low/med) LOW

Date Received: 08/16/96

‡ Moisture: not dec. 15

Date Analyzed: 08/19/96

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.      COMPOUND      (ug/L or ug/Kg)      ug/kg      Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/kg	Q
67-64-1	Acetone	44		JB
107-13-1	Acrylonitrile	6		U
107-05-1	Allyl Chloride	6		U
71-43-2	Benzene	6		U
108-86-1	Bromobenzene	6		U
74-97-5	Bromochloromethane	6		U
75-27-4	Bromodichloromethane	6		U
75-25-2	Bromoform	6		U
74-83-9	Bromomethane	12		U
78-93-3	2-Butanone	12		U
104-51-8	N-Butylbenzene	6		U
135-98-8	Sec-Butylbenzene	6		U
98-06-6	Tert-Butylbenzene	6		U
75-15-0	Carbon Disulfide	6		U
56-23-5	Carbon Tetrachloride	6		U
108-90-7	Chlorobenzene	6		U
124-48-1	Chlorodibromomethane	6		U
75-00-3	Chloroethane	12		U
110-75-8	2-Chloroethyl Vinyl Ether	12		U
67-66-3	Chloroform	6		U
74-87-3	Chloromethane	12		U
95-49-8	2-Chlorotoluene	6		U
106-43-4	4-Chlorotoluene	6		U
96-12-8	1,2-Dibromo-3-Chloropropane	6		U
106-93-4	1,2-Dibromoethane	6		U
74-95-3	Dibromomethane	6		U
95-50-1	1,2-Dichlorobenzene	6		U
541-73-1	1,3-Dichlorobenzene	6		U
106-46-7	1,4-Dichlorobenzene	6		U
75-71-8	Dichlorodifluoromethane	12		U
75-34-3	1,1-Dichloroethane	6		U
107-06-2	1,2-Dichloroethane	6		U
75-35-4	1,1-Dichloroethene	6		U
156-59-2	Cis-1,2-Dichloroethene	6		U

1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-2-1'A

Lab Name: IEA-NC	Method: 8260	
Lab Code: IEA	Case No.: 978-065	SDG No.: 08311
Matrix: (soil/water) SOIL	Lab Sample ID: 960831102	
Sample wt/vol: 5 (g/mL) g	Lab File ID: 0819710.D	
Level: (low/med) LOW	Date Received: 08/16/96	
‡ Moisture: not dec. 15	Date Analyzed: 08/19/96	
GC Column: DB-624 ID: 0.53 (mm)	Dilution Factor: 1.0	
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/kg	Q
156-60-5	Trans-1,2-Dichloroethene		6	U
78-87-5	1,2-Dichloropropane		6	U
142-28-9	1,3-Dichloropropane		6	U
594-20-7	2,2-Dichloropropane		6	U
563-58-6	1,1-Dichloropropene		6	U
10061-01-5	Cis-1,3-Dichloropropene		6	U
10061-02-6	Trans-1,3-Dichloropropene		6	U
110-57-6	Cis-1,4-Dichloro-2-Butene		6	U
110-57-6	Trans-1,4-Dichloro-2-Butene		6	U
100-41-4	Ethylbenzene		6	U
97-63-2	Ethyl Methacrylate		6	U
87-68-3	Hexachlorobutadiene		6	U
591-78-6	2-Hexanone		12	U
74-88-4	Iodomethane		6	U
98-82-8	Isopropylbenzene		6	U
99-87-6	P-Isopropyltoluene		6	U
126-98-7	Methacrylonitrile		6	U
75-09-2	Methylene Chloride		12	U
80-62-6	Methyl Methacrylate		6	U
108-10-1	4-Methyl-2-Pentanone		12	U
1634-04-4	Methyl-tert-Butyl ether		6	U
91-20-3	Naphthalene		6	U
76-01-7	Pentachloroethane		6	U
103-65-1	N-Propylbenzene		6	U
100-42-5	Styrene		6	U
630-20-6	1,1,1,2-Tetrachloroethane		6	U
79-34-5	1,1,2,2-Tetrachloroethane		6	U
127-18-4	Tetrachloroethene		6	U
108-88-3	Toluene		6	U
87-61-6	1,2,3-Trichlorobenzene		6	U
120-82-1	1,2,4-Trichlorobenzene		6	U
71-55-6	1,1,1-Trichloroethane		6	U
79-00-5	1,1,2-Trichloroethane		6	U
79-01-6	Trichloroethene		6	U

1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-2-1'A

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831102

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0819710.D

Level: (low/med) LOW

Date Received: 08/16/96

% Moisture: not dec. 15

Date Analyzed: 08/19/96

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg)      ug/kg      Q

CAS NO.	COMPOUND	ug/kg	Q
75-69-4	Trichlorofluoromethane	6	U
96-18-4	1,2,3-Trichloropropane	6	U
95-63-6	1,2,4-Trimethylbenzene	6	U
108-67-8	1,3,5-Trimethylbenzene	6	U
108-05-4	Vinyl Acetate	12	U
75-01-4	Vinyl Chloride	12	U
1330-20-7	Xylene (Total)	6	U





1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-2-1'D

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831103

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0819711.D

Level: (low/med) LOW

Date Received: 08/16/96

Moisture: not dec. 15

Date Analyzed: 08/19/96

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.      COMPOUND      (ug/L or ug/Kg)      ug/kg      Q

67-64-1	Acetone	16	JB
107-13-1	Acrylonitrile	6	U
107-05-1	Allyl Chloride	6	U
71-43-2	Benzene	6	U
108-86-1	Bromobenzene	6	U
74-97-5	Bromochloromethane	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	12	U
78-93-3	2-Butanone	12	U
104-51-8	N-Butylbenzene	6	U
135-98-8	Sec-Butylbenzene	6	U
98-06-6	Tert-Butylbenzene	6	U
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
124-48-1	Chlorodibromomethane	6	U
75-00-3	Chloroethane	12	U
110-75-8	2-Chloroethyl Vinyl Ether	12	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	12	U
95-49-8	2-Chlorotoluene	6	U
106-43-4	4-Chlorotoluene	6	U
96-12-8	1,2-Dibromo-3-Chloropropane	6	U
106-93-4	1,2-Dibromoethane	6	U
74-95-3	Dibromomethane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	12	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	Cis-1,2-Dichloroethene	6	U

FORM I VOA

DICE 02019

1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-2-1'D

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831103

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0819711.D

Level: (low/med) LOW

Date Received: 08/16/96

Moisture: not dec. 15

Date Analyzed: 08/19/96

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.      COMPOUND      (ug/L or ug/Kg)      ug/kg      Q

156-60-5	Trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
142-28-9	1,3-Dichloropropane	6	U
594-20-7	2,2-Dichloropropane	6	U
563-58-6	1,1-Dichloropropene	6	U
10061-01-5	Cis-1,3-Dichloropropene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
110-57-6	Cis-1,4-Dichloro-2-Butene	6	U
110-57-6	Trans-1,4-Dichloro-2-Butene	6	U
100-41-4	Ethylbenzene	6	U
97-63-2	Ethyl Methacrylate	6	U
87-68-3	Hexachlorobutadiene	6	U
591-78-6	2-Hexanone	12	U
74-88-4	Iodomethane	6	U
98-82-8	Isopropylbenzene	6	U
99-87-6	P-Isopropyltoluene	6	U
126-98-7	Methacrylonitrile	6	U
75-09-2	Methylene Chloride	12	U
80-62-6	Methyl Methacrylate	6	U
108-10-1	4-Methyl-2-Pentanone	12	U
1634-04-4	Methyl-tert-Butyl ether	6	U
91-20-3	Naphthalene	6	U
76-01-7	Pentachloroethane	6	U
103-65-1	N-Propylbenzene	6	U
100-42-5	Styrene	6	U
630-20-6	1,1,1,2-Tetrachloroethane	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	13	
108-88-3	Toluene	6	U
87-61-6	1,2,3-Trichlorobenzene	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
79-01-6	Trichloroethene	6	U

FORM I VOA

DICE 02020





1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-2-1'C

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831104

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0819712.D

Level: (low/med) LOW

Date Received: 08/16/96

% Moisture: not dec. 15

Date Analyzed: 08/19/96

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg)      ug/kg      Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/kg	Q
67-64-1	Acetone		12	JB
107-13-1	Acrylonitrile		6	U
107-05-1	Allyl Chloride		6	U
71-43-2	Benzene		6	U
108-86-1	Bromobenzene		6	U
74-97-5	Bromochloromethane		6	U
75-27-4	Bromodichloromethane		6	U
75-25-2	Bromoform		6	U
74-83-9	Bromomethane		12	U
78-93-3	2-Butanone		12	U
104-51-8	N-Butylbenzene		6	U
135-98-8	Sec-Butylbenzene		6	U
98-06-6	Tert-Butylbenzene		6	U
75-15-0	Carbon Disulfide		6	U
56-23-5	Carbon Tetrachloride		6	U
108-90-7	Chlorobenzene		6	U
124-48-1	Chlorodibromomethane		6	U
75-00-3	Chloroethane		12	U
110-75-8	2-Chloroethyl Vinyl Ether		12	U
67-66-3	Chloroform		6	U
74-87-3	Chloromethane		12	U
95-49-8	2-Chlorotoluene		6	U
106-43-4	4-Chlorotoluene		6	U
96-12-8	1,2-Dibromo-3-Chloropropane		6	U
106-93-4	1,2-Dibromoethane		6	U
74-95-3	Dibromomethane		6	U
95-50-1	1,2-Dichlorobenzene		6	U
541-73-1	1,3-Dichlorobenzene		6	U
106-46-7	1,4-Dichlorobenzene		6	U
75-71-8	Dichlorodifluoromethane		12	U
75-34-3	1,1-Dichloroethane		6	U
107-06-2	1,2-Dichloroethane		6	U
75-35-4	1,1-Dichloroethene		6	U
156-59-2	Cis-1,2-Dichloroethene		6	U

FORM I VOA

DICE 02023

1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-2-1'C

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831104

Sample wt/vol: 5 (g/mL) g.

Lab File ID: 0819712.D

Level: (low/med) LOW

Date Received: 08/16/96

% Moisture: not dec. 15

Date Analyzed: 08/19/96

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg)      ug/kg      Q

CAS NO.	COMPOUND	ug/kg	Q
156-60-5	Trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
142-28-9	1,3-Dichloropropane	6	U
594-20-7	2,2-Dichloropropane	6	U
563-58-6	1,1-Dichloropropene	6	U
10061-01-5	Cis-1,3-Dichloropropene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
110-57-6	Cis-1,4-Dichloro-2-Butene	6	U
110-57-6	Trans-1,4-Dichloro-2-Butene	6	U
100-41-4	Ethylbenzene	6	U
97-63-2	Ethyl Methacrylate	6	U
87-68-3	Hexachlorobutadiene	6	U
591-78-6	2-Hexanone	12	U
74-88-4	Iodomethane	6	U
98-82-8	Isopropylbenzene	6	U
99-87-6	P-Isopropyltoluene	6	U
126-98-7	Methacrylonitrile	6	U
75-09-2	Methylene Chloride	12	U
80-62-6	Methyl Methacrylate	6	U
108-10-1	4-Methyl-2-Pentanone	12	U
1634-04-4	Methyl-tert-Butyl ether	6	U
91-20-3	Naphthalene	6	U
76-01-7	Pentachloroethane	6	U
103-65-1	N-Propylbenzene	6	U
100-42-5	Styrene	6	U
630-20-6	1,1,1,2-Tetrachloroethane	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
87-61-6	1,2,3-Trichlorobenzene	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
79-01-6	Trichloroethene	6	U

1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-2-1'C

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831104

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0819712.D

Level: (low/med) LOW

Date Received: 08/16/96

% Moisture: not dec. 15

Date Analyzed: 08/19/96

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/kg	
75-69-4	Trichlorofluoromethane		6	U
96-18-4	1,2,3-Trichloropropane		6	U
95-63-6	1,2,4-Trimethylbenzene		6	U
108-67-8	1,3,5-Trimethylbenzene		6	U
108-05-4	Vinyl Acetate		12	U
75-01-4	Vinyl Chloride		12	U
1330-20-7	Xylene (Total)		6	U





1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-1-8'

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831105

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0819713.D

Level: (low/med) LOW

Date Received: 08/16/96

% Moisture: not dec. 15

Date Analyzed: 08/19/96

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg)      ug/kg      Q

CAS NO.	COMPOUND	ug/kg	Q
67-64-1	Acetone	15	JB
107-13-1	Acrylonitrile	6	U
107-05-1	Allyl Chloride	6	U
71-43-2	Benzene	6	U
108-86-1	Bromobenzene	6	U
74-97-5	Bromochloromethane	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	12	U
78-93-3	2-Butanone	12	U
104-51-8	N-Butylbenzene	6	U
135-98-8	Sec-Butylbenzene	6	U
98-06-6	Tert-Butylbenzene	6	U
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
124-48-1	Chlorodibromomethane	6	U
75-00-3	Chloroethane	12	U
110-75-8	2-Chloroethyl Vinyl Ether	12	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	12	U
95-49-8	2-Chlorotoluene	6	U
106-43-4	4-Chlorotoluene	6	U
96-12-8	1,2-Dibromo-3-Chloropropane	6	U
106-93-4	1,2-Dibromoethane	6	U
74-95-3	Dibromomethane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	12	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	Cis-1,2-Dichloroethene	6	U

1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-1-8'

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831105

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0819713.D

Level: (low/med) LOW

Date Received: 08/16/96

\* Moisture: not dec. 15

Date Analyzed: 08/19/96

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg)      ug/kg      Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/kg	Q
156-60-5	Trans-1,2-Dichloroethene		6	U
78-87-5	1,2-Dichloropropane		6	U
142-28-9	1,3-Dichloropropane		6	U
594-20-7	2,2-Dichloropropane		6	U
563-58-6	1,1-Dichloropropene		6	U
10061-01-5	Cis-1,3-Dichloropropene		6	U
10061-02-6	Trans-1,3-Dichloropropene		6	U
110-57-6	Cis-1,4-Dichloro-2-Butene		6	U
110-57-6	Trans-1,4-Dichloro-2-Butene		6	U
100-41-4	Ethylbenzene		6	U
97-63-2	Ethyl Methacrylate		6	U
87-68-3	Hexachlorobutadiene		6	U
591-78-6	2-Hexanone		12	U
74-88-4	Iodomethane		6	U
98-82-8	Isopropylbenzene		6	U
99-87-6	P-Isopropyltoluene		6	U
126-98-7	Methacrylonitrile		6	U
75-09-2	Methylene Chloride		12	U
80-62-6	Methyl Methacrylate		6	U
108-10-1	4-Methyl-2-Pentanone		12	U
1634-04-4	Methyl-tert-Butyl ether		6	U
91-20-3	Naphthalene		6	U
76-01-7	Pentachloroethane		6	U
103-65-1	N-Propylbenzene		6	U
100-42-5	Styrene		6	U
630-20-6	1,1,1,2-Tetrachloroethane		6	U
79-34-5	1,1,2,2-Tetrachloroethane		6	U
127-18-4	Tetrachloroethene		2	J
108-88-3	Toluene		6	U
87-61-6	1,2,3-Trichlorobenzene		6	U
120-82-1	1,2,4-Trichlorobenzene		6	U
71-55-6	1,1,1-Trichloroethane		6	U
79-00-5	1,1,2-Trichloroethane		6	U
79-01-6	Trichloroethane		6	U

1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-1-8'

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG.No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831105

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0919713.D

Level: (low/med) LOW

Date Received: 08/16/96

% Moisture: not dec. 15

Date Analyzed: 08/19/96

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/kg Q
75-69-4	Trichlorofluoromethane	6	U
96-18-4	1,2,3-Trichloropropane	6	U
95-63-6	1,2,4-Trimethylbenzene	6	U
108-67-8	1,3,5-Trimethylbenzene	6	U
108-05-4	Vinyl Acetate	12	U
75-01-4	Vinyl Chloride	12	U
1330-20-7	Xylene (Total)	6	U



1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-4-1'A

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831106

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0819714.D

Level: (low/med) LOW

Date Received: 08/16/96

% Moisture: not dec. 15

Date Analyzed: 08/19/96

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/kg	Q
67-64-1	Acetone		13	JB
107-13-1	Acrylonitrile		6	U
107-05-1	Allyl Chloride		6	U
71-43-2	Benzene		6	U
108-86-1	Bromobenzene		6	U
74-97-5	Bromochloromethane		6	U
75-27-4	Bromodichloromethane		6	U
75-25-2	Bromoform		6	U
74-83-9	Bromomethane		12	U
78-93-3	2-Butanone		12	U
104-51-8	N-Butylbenzene		6	U
135-98-8	Sec-Butylbenzene		6	U
98-06-6	Tert-Butylbenzene		6	U
75-15-0	Carbon Disulfide		6	U
56-23-5	Carbon Tetrachloride		6	U
108-90-7	Chlorobenzene		6	U
124-48-1	Chlorodibromomethane		6	U
75-00-3	Chloroethane		12	U
110-75-8	2-Chloroethyl Vinyl Ether		12	U
67-66-3	Chloroform		6	U
74-87-3	Chloromethane		12	U
95-49-8	2-Chlorotoluene		6	U
106-43-4	4-Chlorotoluene		6	U
96-12-8	1,2-Dibromo-3-Chloropropane		6	U
106-93-4	1,2-Dibromoethane		6	U
74-95-3	Dibromomethane		6	U
95-50-1	1,2-Dichlorobenzene		6	U
541-73-1	1,3-Dichlorobenzene		6	U
106-46-7	1,4-Dichlorobenzene		6	U
75-71-8	Dichlorodifluoromethane		12	U
75-34-3	1,1-Dichloroethane		6	U
107-06-2	1,2-Dichloroethane		6	U
75-35-4	1,1-Dichloroethene		6	U
156-59-2	Cis-1,2-Dichloroethene		6	U

1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-4-1'A

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831106

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0819714.D

Level: (low/med) LOW

Date Received: 08/16/96

% Moisture: not dec. 15

Date Analyzed: 08/19/96

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.      COMPOUND      (ug/L or ug/Kg)      ug/kg      Q

156-60-5	Trans-1,2-Dichloroethene		6	U
78-87-5	1,2-Dichloropropane		6	U
142-28-9	1,3-Dichloropropane		6	U
594-20-7	2,2-Dichloropropane		6	U
563-58-6	1,1-Dichloropropene		6	U
10061-01-5	Cis-1,3-Dichloropropene		6	U
10061-02-6	Trans-1,3-Dichloropropene		6	U
110-57-6	Cis-1,4-Dichloro-2-Butene		6	U
110-57-6	Trans-1,4-Dichloro-2-Butene		6	U
100-41-4	Ethylbenzene		6	U
97-63-2	Ethyl Methacrylate		6	U
87-68-3	Hexachlorobutadiene		6	U
591-78-6	2-Hexanone		12	U
74-88-4	Iodomethane		6	U
98-82-8	Isopropylbenzene		6	U
99-87-6	p-Isopropyltoluene		6	U
126-98-7	Methacrylonitrile		6	U
75-09-2	Methylene Chloride		12	U
80-62-6	Methyl Methacrylate		6	U
108-10-1	4-Methyl-2-Pentanone		12	U
1634-04-4	Methyl-tert-Butyl ether		6	U
91-20-3	Naphthalene		6	U
76-01-7	Pentachloroethane		6	U
103-65-1	N-Propylbenzene		6	U
100-42-5	Styrene		6	U
630-20-6	1,1,1,2-Tetrachloroethane		6	U
79-34-5	1,1,2,2-Tetrachloroethane		6	U
127-18-4	Tetrachloroethene		6	U
108-88-3	Toluene		6	U
87-61-6	1,2,3-Trichlorobenzene		6	U
120-82-1	1,2,4-Trichlorobenzene		6	U
71-55-6	1,1,1-Trichloroethane		6	U
79-00-5	1,1,2-Trichloroethane		6	U
79-01-6	Trichloroethene		6	U

1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-4-1'A

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831106

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0819714.D

Level: (low/med) LOW

Date Received: 08/16/96

% Moisture: not dec. 15

Date Analyzed: 08/19/96

GC Column: DB-624 : ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg)      ug/kg      Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/kg	Q
75-69-4	Trichlorofluoromethane	6		U
96-18-4	1,2,3-Trichloropropane	6		U
95-63-6	1,2,4-Trimethylbenzene	6		U
108-67-8	1,3,5-Trimethylbenzene	6		U
108-05-4	Vinyl Acetate	12		U
75-01-4	Vinyl Chloride	12		U
1330-20-7	Xylene (Total)	6		U





1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-2-1'B

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831107

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0819715.D

Level: (low/med) LOW

Date Received: 08/16/96

% Moisture: not dec. 15

Date Analyzed: 08/19/96

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/kg
67-64-1	Acetone	8	JB
107-13-1	Acrylonitrile	6	U
107-05-1	Allyl Chloride	6	U
71-43-2	Benzene	6	U
108-86-1	Bromobenzene	6	U
74-97-5	Bromochloromethane	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	12	U
78-93-3	2-Butanone	12	U
104-51-8	N-Butylbenzene	6	U
135-98-8	Sec-Butylbenzene	6	U
98-06-6	Tert-Butylbenzene	6	U
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
124-48-1	Chlorodibromomethane	6	U
75-00-3	Chloroethane	12	U
110-75-8	2-Chloroethyl Vinyl Ether	12	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	12	U
95-49-8	2-Chlorotoluene	6	U
106-43-4	4-Chlorotoluene	6	U
96-12-8	1,2-Dibromo-3-Chloropropane	6	U
106-93-4	1,2-Dibromoethane	6	U
74-95-3	Dibromomethane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	12	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	Cis-1,2-Dichloroethene	6	U

1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-2-1'B

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831107

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0819715.D

Level: (low/med) LOW

Date Received: 08/16/96

% Moisture: not dec. 15

Date Analyzed: 08/19/96

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/kg

CAS NO. COMPOUND Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
156-60-5	Trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
142-28-9	1,3-Dichloropropane	6	U
594-20-7	2,2-Dichloropropane	6	U
563-58-6	1,1-Dichloropropene	6	U
10061-01-5	Cis-1,3-Dichloropropene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
110-57-6	Cis-1,4-Dichloro-2-Butene	6	U
110-57-6	Trans-1,4-Dichloro-2-Butene	6	U
100-41-4	Ethylbenzene	6	U
97-63-2	Ethyl Methacrylate	6	U
87-68-3	Hexachlorobutadiene	6	U
591-78-6	2-Hexanone	12	U
74-88-4	Iodomethane	6	U
98-82-8	Isopropylbenzene	6	U
99-87-6	p-Isopropyltoluene	6	U
126-98-7	Methacrylonitrile	6	U
75-09-2	Methylene Chloride	12	U
80-62-6	Methyl Methacrylate	6	U
108-10-1	4-Methyl-2-Pentanone	12	U
1634-04-4	Methyl-tert-Butyl ether	6	U
91-20-3	Naphthalene	6	U
76-01-7	Pentachloroethane	6	U
103-65-1	N-Propylbenzene	6	U
100-42-5	Styrene	6	U
630-20-6	1,1,1,2-Tetrachloroethane	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethane	2	J
108-88-3	Toluene	6	U
87-61-6	1,2,3-Trichlorobenzene	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
79-01-6	Trichloroethene	6	U

1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-2-1'B

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831107

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0819715.D

Level: (low/med) LOW

Date Received: 08/16/96

% Moisture: not dec. 15

Date Analyzed: 08/19/96

GC Column: DB-624 ID: 2.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg)      ug/kg      Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/kg	Q
75-69-4	Trichlorofluoromethane	6		U
96-18-4	1,2,3-Trichloropropane	6		U
95-63-6	1,2,4-Trimethylbenzene	6		U
108-67-8	1,3,5-Trimethylbenzene	6		U
108-05-4	Vinyl Acetate	12		U
75-01-4	Vinyl Chloride	12		U
1330-20-7	Xylene (Total)	6		U



1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-3-1'

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831108

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0820703.D

Level: (low/med) LOW

Date Received: 08/16/96

% Moisture: not dec. 14

Date Analyzed: 08/20/96

GC Column: DB-624 ID: .53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg)      ug/kg      Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/kg	Q
67-64-1	Acetone	12		JB
107-13-1	Acrylonitrile	6		U
107-05-1	Allyl Chloride	6		U
71-43-2	Benzene	6		U
108-86-1	Bromobenzene	6		U
74-97-5	Bromochloromethane	6		U
75-27-4	Bromodichloromethane	6		U
75-25-2	Bromoform	6		U
74-83-9	Bromomethane	12		U
78-93-3	2-Butanone	12		U
104-51-8	N-Butylbenzene	6		U
135-98-8	Sec-Butylbenzene	6		U
98-06-6	Tert-Butylbenzene	6		U
75-15-0	Carbon Disulfide	6		U
56-23-5	Carbon Tetrachloride	6		U
108-90-7	Chlorobenzene	6		U
124-48-1	Chlorodibromomethane	6		U
75-00-3	Chloroethane	12		U
110-75-8	2-Chloroethyl Vinyl Ether	12		U
67-66-3	Chloroform	6		U
74-87-3	Chloromethane	12		U
95-49-8	2-Chlorotoluene	6		U
106-43-4	4-Chlorotoluene	6		U
96-12-8	1,2-Dibromo-3-Chloropropane	6		U
106-93-4	1,2-Dibromoethane	6		U
74-95-3	Dibromomethane	6		U
95-50-1	1,2-Dichlorobenzene	6		U
541-73-1	1,3-Dichlorobenzene	6		U
106-46-7	1,4-Dichlorobenzene	6		U
75-71-8	Dichlorodifluoromethane	12		U
75-34-3	1,1-Dichloroethane	6		U
107-06-2	1,2-Dichloroethane	6		U
75-35-4	1,1-Dichloroethene	6		U
156-59-2	Cis-1,2-Dichloroethene	6		U

1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-3-1'

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831108

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0820703.D

Level: (low/med) LOW

Date Received: 08/16/96

% Moisture: not dec. 14

Date Analyzed: 08/20/96

GC Column: DB-624 ID: .53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/kg	Q
156-60-5	Trans-1,2-Dichloroethene		6	U
78-87-5	1,2-Dichloropropane		6	U
142-28-9	1,3-Dichloropropane		6	U
594-20-7	2,2-Dichloropropane		6	U
563-58-6	1,1-Dichloropropene		6	U
10061-01-5	Cis-1,3-Dichloropropene		6	U
10061-02-6	Trans-1,3-Dichloropropene		6	U
110-57-6	Cis-1,4-Dichloro-2-Butene		6	U
110-57-6	Trans-1,4-Dichloro-2-Butene		6	U
100-41-4	Ethylbenzene		6	U
97-63-2	Ethyl Methacrylate		6	U
87-68-3	Hexachlorobutadiene		6	U
591-78-6	2-Hexanone		12	U
74-88-4	Iodomethane		6	U
98-82-8	Isopropylbenzene		6	U
99-87-6	P-Isopropyltoluene		6	U
126-98-7	Methacrylonitrile		6	U
75-09-2	Methylene Chloride		12	U
80-62-6	Methyl Methacrylate		6	U
108-10-1	4-Methyl-2-Pentanone		12	U
1634-04-4	Methyl-tert-Butyl ether		6	U
91-20-3	Naphthalene		6	U
76-01-7	Pentachloroethane		6	U
103-65-1	N-Propylbenzene		6	U
100-42-5	Styrene		6	U
630-20-6	1,1,1,2-Tetrachloroethane		6	U
79-34-5	1,1,2,2-Tetrachloroethane		6	U
127-18-4	Tetrachloroethene		6	U
108-88-3	Toluene		6	U
87-61-6	1,2,3-Trichlorobenzene		6	U
120-82-1	1,2,4-Trichlorobenzene		6	U
71-55-6	1,1,1-Trichloroethane		6	U
79-00-5	1,1,2-Trichloroethane		6	U
79-01-6	Trichloroethene		6	U

1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-3-1'

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831108

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0820703.D

Level: (low/med) LOW

Date Received: 08/16/96

% Moisture: not dec. 14

Date Analyzed: 08/20/96

GC Column: DB-624 ID: .53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/kg Q
75-69-4	Trichlorofluoromethane	6	U
96-18-4	1,2,3-Trichloropropane	6	U
95-63-6	1,2,4-Trimethylbenzene	6	U
108-67-8	1,3,5-Trimethylbenzene	6	U
108-05-4	Vinyl Acetate	12	U
75-01-4	Vinyl Chloride	12	U
1330-20-7	Xylene (Total)	6	U





1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-4-1B'

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831110

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0820708.D

Level: (low/med) LOW

Date Received: 08/16/96

% Moisture: not dec. 12

Date Analyzed: 08/20/96

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg)      ug/kg      Q

CAS NO.	COMPOUND	ug/kg	Q
67-64-1	Acetone	57	U
107-13-1	Acrylonitrile	6	U
107-05-1	Allyl Chloride	6	U
71-43-2	Benzene	6	U
108-86-1	Bromobenzene	6	U
74-97-5	Bromochloromethane	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	11	U
78-93-3	2-Butanone	11	U
104-51-8	N-Butylbenzene	6	U
135-98-8	Sec-Butylbenzene	6	U
98-06-6	Tert-Butylbenzene	6	U
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
124-48-1	Chlorodibromomethane	6	U
75-00-3	Chloroethane	11	U
110-75-8	2-Chloroethyl Vinyl Ether	11	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	11	U
95-49-8	2-Chlorotoluene	6	U
106-43-4	4-Chlorotoluene	6	U
96-12-8	1,2-Dibromo-3-Chloropropane	26	U
106-93-4	1,2-Dibromoethane	6	U
74-95-3	Dibromomethane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	11	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	Cis-1,2-Dichloroethene	6	U

1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-4-1B'

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831110

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0820708.D

Level: (low/med) LOW

Date Received: 08/16/96

% Moisture: not dec. 12

Date Analyzed: 08/20/96

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg		Q
156-60-5	Trans-1,2-Dichloroethene	6		U
78-87-5	1,2-Dichloropropane	6		U
142-28-9	1,3-Dichloropropane	6		U
594-20-7	2,2-Dichloropropane	6		U
563-58-6	1,1-Dichloropropene	6		U
10061-01-5	Cis-1,3-Dichloropropene	6		U
10061-02-6	Trans-1,3-Dichloropropene	6		U
110-57-6	Cis-1,4-Dichloro-2-Butene	6		U
110-57-6	Trans-1,4-Dichloro-2-Butene	6		U
100-41-4	Ethylbenzene	6		U
97-63-2	Ethyl Methacrylate	6		U
87-68-3	Hexachlorobutadiene	6		U
591-78-6	2-Hexanone	11		U
74-88-4	Iodomethane	6		U
98-82-8	Isopropylbenzene	6		U
99-87-6	P-Isopropyltoluene	6		U
126-98-7	Methacrylonitrile	6		U
75-09-2	Methylene Chloride	11		U
80-62-6	Methyl Methacrylate	6		U
108-10-1	4-Methyl-2-Pentanone	11		U
1634-04-4	Methyl-tert-Butyl ether	6		U
91-20-3	Naphthalene	6		U
76-01-7	Pentachloroethane	6		U
103-65-1	N-Propylbenzene	6		U
100-42-5	Styrene	6		U
630-20-6	1,1,1,2-Tetrachloroethane	6		U
79-34-5	1,1,2,2-Tetrachloroethane	6		U
127-18-4	Tetrachloroethene	6		U
108-88-3	Toluene	6		U
87-61-6	1,2,3-Trichlorobenzene	6		U
120-82-1	1,2,4-Trichlorobenzene	6		U
71-55-6	1,1,1-Trichloroethane	6		U
79-00-5	1,1,2-Trichloroethane	6		U
79-01-6	Trichloroethene	6		U

1A  
SW-846 VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S-4-1B

Lab Name: IEA-NC

Method: 8260

Lab Code: IEA

Case No.: 978-065

SDG No.: 08311

Matrix: (soil/water) SOIL

Lab Sample ID: 960831110

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0820708.D

Level: (low/med) LOW

Date Received: 08/16/96

% Moisture: not dec. 12

Date Analyzed: 08/20/96

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.      COMPOUND      CONCENTRATION UNITS:  
(ug/L or ug/Kg)      ug/kg      Q

75-69-4	Trichlorofluoromethane	6	U
96-18-4	1,2,3-Trichloropropane	6	U
95-63-6	1,2,4-Trimethylbenzene	6	U
108-67-8	1,3,5-Trimethylbenzene	6	U
108-05-4	Vinyl Acetate	11	U
75-01-4	Vinyl Chloride	11	U
1330-20-7	Xylene (Total)	6	U



1B  
SW-846 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S18

Lab Name: INDUSTRIAL & ENVIRONMENTA

Lab Code: IEA                      Case No.: 978-065                      Method: 8270                      SDG No.: 08311

Matrix: (soil/water) SOIL    Lab Sample ID: 960831105

Sample wt/vol:                      30.1 (g/mL) G    Lab File ID:                      0820402.D

Level:                      (low/med)                      LOW    Date Received: 08/16/96

‡ Moisture: 9                      decanted: (Y/N) N    Date Extracted: 08/16/96

Concentrated Extract Volume:                      1000 (uL)    Date Analyzed: 08/20/96

Injection Volume:                      2.0 (uL)    Dilution Factor: 1.0

GPC Cleanup:                      (Y/N) N    CONCENTRATION UNITS:    Q  
CAS NO.    COMPOUND    (ug/L or ug/Kg) UG/KG

91-20-3-----	Naphthalene	360	U
91-57-6-----	2-Methylnaphthalene	360	U
91-58-7-----	2-Chloronaphthalene	360	U
208-96-8-----	Acenaphthylene	360	U
83-32-9-----	Acenaphthene	360	U
86-73-7-----	Fluorene	360	U
85-01-8-----	Phenanthrene	360	U
120-12-7-----	Anthracene	360	U
206-44-0-----	Fluoranthene	360	U
129-00-0-----	Pyrene	360	U
56-55-3-----	Benzo (a) anthracene	360	U
218-01-9-----	Chrysene	360	U
205-99-2-----	Benzo (b) Fluoranthene	360	U
207-08-9-----	Benzo (k) fluoranthene	360	U
50-32-8-----	Benzo (a) pyrene	360	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	360	U
53-70-3-----	Dibenz (a,h) anthracene	360	U
191-24-2-----	Benzo (g,h,i) perylene	360	U

1B  
SW-846 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S21A

Lab Name: INDUSTRIAL & ENVIRONMENTAL

Lab Code: IEA                      Case No.: 978-065                      Method: 8270                      SDG No.: 08311

Matrix: (soil/water) SOIL    Lab Sample ID: 960831102

Sample wt/vol:                      30.2 (g/mL) G    Lab File ID:                      0819405.D

Level:                      (low/med)                      LOW    Date Received: 08/16/96

% Moisture: 17                      decanted: (Y/N) N    Date Extracted: 08/16/96

Concentrated Extract Volume:                      1000(uL)    Date Analyzed: 08/19/96

Injection Volume:                      2.0(uL)    Dilution Factor: 1.0

GPC Cleanup:                      (Y/N) N    CONCENTRATION UNITS:  
CAS NO.                      COMPOUND    (ug/L or ug/Kg) UG/KG    Q

91-20-3-----	Naphthalene	390	U
91-57-6-----	2-Methylnaphthalene	390	U
91-58-7-----	2-Chloronaphthalene	390	U
208-96-8-----	Acenaphthylene	390	U
83-32-9-----	Acenaphthene	390	U
86-73-7-----	Fluorene	390	U
85-01-8-----	Phenanthrene	390	U
120-12-7-----	Anthracene	390	U
206-44-0-----	Fluoranthene	390	U
129-00-0-----	Pyrene	390	U
56-55-3-----	Benzo(a)anthracene	390	U
218-01-9-----	Chrysene	390	U
205-99-2-----	Benzo(b)fluoranthene	390	U
207-08-9-----	Benzo(k)fluoranthene	390	U
50-32-8-----	Benzo(a)pyrene	390	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	390	U
53-70-3-----	Dibenz(a,h)anthracene	390	U
191-24-2-----	Benzo(g,h,i)perylene	390	U

1B  
SW-846 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S21B

Lab Name: INDUSTRIAL & ENVIRONMENTA

Lab Code: IEA                      Case No.: 978-065                      Method: 8270                      SDG No.: 08311

Matrix: (soil/water) SOIL    Lab Sample ID: 960831107

Sample wt/vol:                      30.0 (g/mL) G    Lab File ID:                      0819410.D

Level:                      (low/med)                      LOW    Date Received: 08/16/96

% Moisture: 16                      decanted: (Y/N) N    Date Extracted: 08/16/96

Concentrated Extract Volume:                      1000(uL)    Date Analyzed: 08/19/96

Injection Volume:                      2.0(uL)    Dilution Factor: 1.0

GPC Cleanup:                      (Y/N) N    CONCENTRATION UNITS:    Q  
CAS NO.                      COMPOUND                      (ug/L or ug/Kg) UG/KG

91-20-3-----Naphthalene	390	U
91-57-6-----2-Methylnaphthalene	390	U
91-58-7-----2-Chloronaphthalene	390	U
208-96-8-----Acenaphthylene	390	U
83-32-9-----Acenaphthene	390	U
86-73-7-----Fluorene	390	U
85-01-8-----Phenanthrene	390	U
120-12-7-----Anthracene	390	U
206-44-0-----Fluoranthene	390	U
129-00-0-----Pyrene	390	U
56-55-3-----Benzo(a)anthracene	390	U
218-01-9-----Chrysene	390	U
205-99-2-----Benzo(b)fluoranthene	390	U
207-08-9-----Benzo(k)fluoranthene	390	U
50-32-8-----Benzo(a)pyrene	390	U
193-39-5-----Indeno(1,2,3-cd)pyrene	390	U
53-70-3-----Dibenz(a,h)anthracene	390	U
191-24-2-----Benzo(g,h,i)perylene	390	U

1B  
SW-846 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S21C

Lab Name: INDUSTRIAL & ENVIRONMENTA

Lab Code: IEA      Case No.: 978-065      Method: 8270      SDG No.: 08311

Matrix: (soil/water) SOIL      Lab Sample ID: 960831104

Sample wt/vol:      30.0 (g/mL) G      Lab File ID: 0819407.D

Level: (low/med) LOW      Date Received: 08/16/96

‡ Moisture: 15      decanted: (Y/N) N      Date Extracted: 08/16/96

Concentrated Extract Volume: 1000(uL)      Date Analyzed: 08/19/96

Injection Volume: 2.0(uL)      Dilution Factor: 1.0

GPC Cleanup: (Y/N) N      CONCENTRATION UNITS:  
CAS NO.      COMPOUND      (ug/L or ug/Kg) UG/KG      Q

91-20-3-----Naphthalene	390	U
91-57-6-----2-Methylnaphthalene	390	U
91-58-7-----2-Chloronaphthalene	390	U
208-96-8-----Acenaphthylene	390	U
83-32-9-----Acenaphthene	390	U
86-73-7-----Fluorene	390	U
85-01-8-----Phenanthrene	390	U
120-12-7-----Anthracene	390	U
206-44-0-----Fluoranthene	390	U
129-00-0-----Pyrene	390	U
56-55-3-----Benzo(a)anthracene	390	U
218-01-9-----Chrysene	390	U
205-99-2-----Benzo(b)Fluoranthene	390	U
207-08-9-----Benzo(k)fluoranthene	390	U
50-32-8-----Benzo(a)pyrene	390	U
193-39-5-----Indeno(1,2,3-cd)pyrene	390	U
53-70-3-----Dibenz(a,h)anthracene	390	U
191-24-2-----Benzo(g,h,i)perylene	390	U



1B  
SW-846 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S21D

Lab Name: INDUSTRIAL & ENVIRONMENTA

Lab Code: IEA      Case No.: 978-065      Method: 8270      SDG No.: 08311

Matrix: (soil/water) SOIL      Lab Sample ID: 960831103

Sample wt/vol:      30.1 (g/mL) G      Lab File ID:      0819406.D

Level:      (low/med)      LOW      Date Received: 08/16/96

\* Moisture: 16      decanted: (Y/N) N      Date Extracted: 08/16/96

Concentrated Extract Volume:      1000(uL)      Date Analyzed: 08/19/96

Injection Volume:      2.0(uL)      Dilution Factor: 1.0

GPC Cleanup:      (Y/N) N      CONCENTRATION UNITS:  
CAS NO.      COMPOUND      (ug/L or ug/Kg) UG/KG      Q

91-20-3-----	Naphthalene	390	U
91-57-6-----	2-Methylnaphthalene	390	U
91-58-7-----	2-Chloronaphthalene	390	U
208-96-8-----	Acenaphthylene	390	U
83-32-9-----	Acenaphthene	390	U
86-73-7-----	Fluorene	390	U
85-01-8-----	Phenanthrene	390	U
120-12-7-----	Anthracene	390	U
206-44-0-----	Fluoranthene	390	U
129-00-0-----	Pyrene	390	U
56-55-3-----	Benzo(a)anthracene	390	U
218-01-9-----	Chrysene	390	U
205-99-2-----	Benzo(b)fluoranthene	390	U
207-08-9-----	Benzo(k)fluoranthene	390	U
50-32-8-----	Benzo(a)pyrene	390	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	390	U
53-70-3-----	Dibenz(a,h)anthracene	390	U
191-24-2-----	Benzo(g,h,i)perylene	390	U

1B  
SW-846 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S31

Lab Name: INDUSTRIAL & ENVIRONMENTA

Lab Code: IEA Case No.: 978-065 Method: 8270 SDG No.: 08311

Matrix: (soil/water) SOIL Lab Sample ID: 960831108

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 0819411.D

Level: (low/med) LOW Date Received: 08/16/96

% Moisture: 14 decanted: (Y/N) N Date Extracted: 08/16/96

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N CONCENTRATION UNITS:  
CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

91-20-3-----Naphthalene	380	U
91-57-6-----2-Methylnaphthalene	380	U
91-58-7-----2-Chloronaphthalene	380	U
208-96-8-----Acenaphthylene	380	U
83-32-9-----Acenaphthene	380	U
86-73-7-----Fluorene	380	U
85-01-8-----Phenanthrene	380	U
120-12-7-----Anthracene	380	U
206-44-0-----Fluoranthene	380	U
129-00-0-----Pyrene	380	U
56-55-3-----Benzo(a)anthracene	380	U
218-01-9-----Chrysene	380	U
205-99-2-----Benzo(b)fluoranthene	380	U
207-08-9-----Benzo(k)fluoranthene	380	U
50-32-8-----Benzo(a)pyrene	380	U
193-39-5-----Indeno(1,2,3-cd)pyrene	380	U
53-70-3-----Dibenz(a,h)anthracene	380	U
191-24-2-----Benzo(g,h,i)perylene	380	U



