BLASLAND, BOUCK & LEE, INC.
ENGINEERS & SCIENTISTS
8001 Irvine Center Drive, Suite 880, Irvine, California 92718-2920
(714) 453-0530 FAX: (714) 453-1830

June 28, 1995

San Diego County
Air Pollution Control District
9150 Chesapeake Drive
San Diego, California 92123

Dear Sir or Madam:

Blasland, Bouck & Lee, Inc. is conducting an environmental investigation for the following property:

Ketema Process Equipment Division
9484 Mission Park Place
Santee, California 92071

This is a request for information regarding the existence of any air quality permits or current or outstanding violations to air quality permits with respect to the storage or use of hazardous materials that may pertain to the above property.

Any information your office can provide us would be very helpful to our investigation. Please do not hesitate to contact me if you have any questions or require further clarification.

Sincerely,

BLASLAND, BOUCK & LEE, INC.

Bozena Szeremeta

Bozena E. Szeremeta
Project Engineer

OFFICE USE ONLY
Case # _____

REQUEST TO REVIEW EHS RECORDS

SUBMIT TO:
County of San Diego
Department of Health Services
Environmental Health Services
P.O. Box 85261
San Diego, CA 92186-5261
(619) 338-2268
FAX (619) 338-2377

BLASLAND, BOUCK & LEE, INC.
ENGINEERS & SCIENTISTS

Bozena Szeremeta
Project Engineer

Tel (714) 453-0530 Fax (714) 453-1830
8001 Irvine Center Drive, Suite 880, Irvine, CA 92718-2920
offices nationwide

NOTICE:

A $30.00 NON-REFUNDABLE FEE MUST BE SUBMITTED FOR EACH ADDRESS REQUESTED.

A request is hereby made to review _____ located below for the following reason:

Environmental Site Assessment

Bozena Szeremeta — Signature
Project Engineer — Title
6/28/95 — Date

A separate form must be completed and a $30.00 NON-REFUNDABLE fee submitted for each file/address. Each request is limited to a MAXIMUM OF 5 addresses.

Establishment Name	EXACT Address/City REQUIRED (No Street Ranges Accepted)	Zip Code REQUIRED	File # (Optional)
Astema Process Equipment Division	9484 Mission Park Place Santee	CA 92071	

TYPE OF INFORMATION REQUESTED (Check as many as apply) Must be checked.

- ☒ Routine Inspection / Permit File
- ☒ Tank Removal
- ☒ Tank Installation/ Repiping
- ☐ Contamination Files
- ☒ Emergency Response
- ☑ Complaint

OFFICE USE ONLY BELOW THIS LINE

Checked for Conf. Info	H#	AT#	NT#	T#	HIRT#	#
Date:						

Physical Time:

Search _____ Initials _____ Pulling _____ / _____ Initials _____

Filing _____ / _____ Initials _____ Misc. _____ Initials _____

Reviewed by: _____ of _____ Date: _____

Xerocopies _____ Cost _____ Paid _____

Copies picked-up/mailed on _____ By _____
Date Name

A review of records has been conducted and HMMD finds no record of the files you requested for this site.

_____ _____ _____
Signature Title Date

EHS-9098 (Rev. 4/93) County of San Diego
Department of Health Services

BLASLAND, BOUCK & LEE, INC.
8001 IRVINE CENTER DRIVE, SUITE 880
IRVINE, CA 92718-2920

1669

50-46/213

6-28 19 95

PAY TO THE ORDER OF County of San Diego Department of Health Services $ 30 xx/100

Thirty xx/100 DOLLARS

CHASE The Chase Manhattan Bank, N. A.
One Lincoln Center 306
Syracuse, NY 13202

FOR

⑈001669⑈ ⑆021300462⑆ 010 559 6704⑈

Print Options: (Print Page) F17 or (Print All Pages) F20

----- VIOLATOR ADDRESS ---------+
Name: [redacted]
Str Num : 9484
Str Name: MISSION PARK PL

[redacted] Rpt Date: [redacted] ID: ~~5859A~~ 5895A PO: 0 Insp: GH
View Complaint(s) View Notice to Comply(s))

e(s)

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JUL 2 7 1995
Blasland, Bouck & Lee

* [redacted] PROCESS EQUIPMENT DIVISION
9484 MISSION PARK PL
SANTEE CA 92071

[redacted]
PO 910084 Retired 6/93
PO 920048 Active
PO 30083 Retired 2/95

REGULATION II. PERMITS (Effective 1/1/69; Rev. Effective 12/06/92)

Information regarding APCD permits and AB 884 requirements ("Lists and Criteria for Development Projects," Ch. 4.5, Div. 1, Title 7, Government Code) can be obtained from the APCD at 9150 Chesapeake Drive, San Diego, CA 92123, Phone (619) 694-3307.

RULE 10. PERMITS REQUIRED (Rev. Effective 9/18/90)

(a) **AUTHORITY TO CONSTRUCT.** Any person building, erecting, altering or replacing any article, machine, equipment or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate or reduce or control the issuance of air contaminant, shall first obtain written authorization for such construction from the Air Pollution Control Officer. A separate Authority to Construct will be required for each piece of equipment, product line, system, process line or process that produces a product or performs a service independently of other equipment, product lines, systems, process lines or processes. An Authority to Construct shall remain in effect until the Permit to Operate the equipment for which the application was filed is granted or denied or the application is cancelled. [Rev. Effective 1/17/72]

(b) **PERMIT TO OPERATE.** (Rev. Effect. 09/18/90) Before a person operates or uses, or causes to be operated or used, any article, machine, equipment or other contrivance described in Rule 10(a) (Authority to Construct) he shall obtain a written Permit to Operate from the Air Pollution Control Officer. No Permit to Operate or use shall be granted either by the Air Pollution Control Officer or the Hearing Board for any article, machine, equipment or contrivance described in Rule 10(a) which is constructed or installed without authorization as required by Rule 10(a) until all information required for the Authority to Construct of Rule 10(a) is presented to the Air Pollution Control Officer and such article, machine, equipment or contrivance is altered, if necessary, and made to conform to the standards set forth in Rule 20 and elsewhere in these Rules and Regulations. A separate Permit to Operate will be required for each piece of equipment, product line, system, process line or process that produces a product or performs a service independently of other equipment, product lines, systems, process lines or processes.

A temporary authorization may be issued for the sole purpose of testing and/or evaluating the article, machine, equipment or contrivance to determine compliance with the conditions of the Authority to Construct, District Rules and Regulations and applicable state and federal law. A temporary authorization may be extended to cover the period before a final Permit to Operate can be issued provided the article, machine, equipment, or contrivance has been determined to be in compliance. For temporary operations as described in Rule 18(e), any temporary authorization shall be issued with a delayed effective date as specified in Rule 18(e).

A final Permit to Operate shall not be issued while the Authority to Construct or temporary authorization is being appealed before the Hearing Board in accordance with Rule 25 of District Rules and Regulations. A temporary authorization for testing and/or evaluation as provided herein may be issued despite an appeal of the Authority to Construct filed pursuant to Rule 25(b).

In the case of an appeal of an Authority to Construct for equipment proposed to be installed in conjunction with existing equipment operating under a Permit to Operate, to comply with new requirements of District Rules and Regulations, enforcement of the new requirements shall be

deferred until the appeal is resolved. This paragraph applies only to an Authority to Construct issued before the effective date of the new requirements.

(c) **POSTING OF PERMIT TO OPERATE.** A person who has been granted under Rule 10(a) Permit to Operate any article, machine, equipment or other contrivance described in Rule 10(b), shall firmly affix such Permit to Operate, an approved facsimile, or other approved identification bearing the permit number upon the article, machine, equipment or other contrivance in such a manner as to be clearly visible and accessible. In the event that the article, machine, equipment or other contrivance is so constructed or operated that the Permit to Operate cannot be so placed, the Permit to Operate shall be mounted so as to be clearly visible in an accessible place within 25 feet of the article, machine, equipment or other contrivance, or maintained readily available at all times on the operating premises.

(d) **ALTERATION OF PERMIT.** A person shall not willfully deface, alter, forge, counterfeit or falsify any permit issued under these Rules and Regulations.

(e) **(Reserved)**

(f) **PERMIT TO SELL OR RENT.** Any person who sells or rents to any other person an incinerator which may be used to dispose of combustible refuse by burning within San Diego County and which incinerator is to be used exclusively in connection with any structure, designed and used exclusively as a dwelling for not more than four families, shall first obtain a permit from the Air Pollution Control Officer to sell or rent such incinerator. [Rev. Effective 8/1/80]

(g) **CONTROL EQUIPMENT.** Nothing in this rule shall be construed to authorize the control officer to require the use of machinery, devices or equipment of a particular type or design, if the required emission standard may be met by machinery, device, equipment, product or process change otherwise available.

(h) **ANNUAL RENEWAL OF PERMITS TO OPERATE AND PERMITS TO RENT.** Permits to Operate and Permits to Rent shall be renewable annually on a staggered schedule to be determined by the Air Pollution Control Officer. Any person who holds a Permit to Operate as required by Rule 10(b) or a Permit to Rent as required by Rule 10(f) herein and who desires to operate or rent any article, machine, equipment or other contrivance pursuant to said permit after the expiration date of the permit shall, prior to the expiration date of the permit, apply to the Air Pollution Control Officer for an annual renewal permit. Expired permits may be reinstated only: (Rev. Effective 4/6/83)

(1) Within the first six months following the expiration date of the permit, and

(2) Upon application for renewal to the Air Pollution Control Officer, and

(3) Upon payment of the appropriate renewal fee and penalty. (See Rule 40 for applicable fees.)

Any person who holds a Permit to Operate as required by Rule 10(b) or a Permit to Rent as required by Rule 10(f) herein and who desires to not operate or rent any article, machine, equipment or other contrivance pursuant to said permit for at least one year after the expiration date of the permit may, prior to the expiration date of the permit, apply to the Air Pollution Control Officer for a revised permit indicating the equipment is to be maintained in an inactive status. A renewal permit in this case shall contain a condition prohibiting operation of the equipment. Any portable equipment having an inactive status permit shall be stored at a fixed address known to the Air Pollution Control District. All such inactive status permits shall be renewable annually.

The condition prohibiting operation of the equipment shall be removed by the Air Pollution Control Officer, notwithstanding Rule 21, upon receipt of an application and payment of the appropriate renewal fees pursuant to Rule 40. Operation of inactive equipment without prior authorization from the District shall constitute a violation of Rules 10(a), 10(b), and 21, and a new Authority to Construct and Permit to Operate shall be required for continued operation of the equipment.

(i) **CHANGE OF LOCATION.** Any person who possesses a Permit to Operate any article, machine, equipment or other contrivance and desires to change the location of such article, machine, equipment or other contrivance shall first apply to the Air Pollution Control Officer for an Authority to Construct and Permit to Operate. (See Rule 40 for applicable fees.) The provisions of Rule 10(i) shall not apply to any change of work location for any portable article, machine, equipment or other portable contrivance, or any change of location within a contiguous parcel of land in the possession of, or owned by, or recorded as the property of, the same person. [Rev. Effective 8/1/80]

(j) **TRANSFER.** (Rev. Effective 3/30/77)

(1) Any article, machine, equipment or other contrivance which is the subject of a Permit to Operate and which is transferred from one person to another shall not be operated until application is made to the Air Pollution Control Officer for a revised Permit to Operate and such permit is issued. If such transfer is accompanied by alteration of the article, machine, equipment or other contrivance, which is not exempt under Rule 11, an application for Authority to Construct and Permit to Operate shall be required. (See Rule 40 for applicable fees.)

(2) Any permit or written authorization issued hereunder shall not be transferable, by operation of law or otherwise, from one piece of equipment to another.

RULE 10.1. NSPS AND NESHAPS REQUIREMENTS (Effective 11/8/76)

A person building, erecting, altering or replacing any type source subject to the provisions of any federal New Source Performance Standard (NSPS) or National Emission Standard for Hazardous Air Pollutants (NESHAPS) which has been delegated to the Air Pollution Control District of San Diego County must, in addition to complying with Rule 10, comply with Regulation X or Regulation XI, respectively.

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Blasland, Bouck & Lee

SITE ASSESSMENT PLUS REPORT

PROPERTY INFORMATION	CLIENT INFORMATION
Project Name/Ref #: Not Provided KETEMA PROCESS EQUIPMENT 9484 MISSION PARK PL SANTEE, CA 92071 Cross Street: WOODSIDE AVE Latitude/Longitude: (32.848140, 116.957300)	B SZEREMETA BLASLAND BOUCK LEE-IRVINE 8001 IRVINE CENTER DR STE 880 IRVINE, CA 92718-2920

Site Distribution Summary

Agency / Database - Type of Records			within 1/8 mile	1/8 to 1/4 mile	1/4 to 1/2 mile	1/2 to 1 mile
A) Databases searched to 1 mile:						
US EPA	NPL	National Priority List	0	0	0	0
US EPA	CORRACTS	RCRA Corrective Actions	0	0	0	0
US EPA	TSD	RCRA permitted treatment, storage, disposal facilities	0	0	0	0
STATE	SPL	State equivalent priority list	0	0	0	0
B) Databases searched to 1/2 mile:						
US EPA	CERCLIS	Sites under review by US EPA	0	0	0	-
STATE	SCL	State equivalent CERCLIS list	0	0	0	-
STATE REG CO	LUST	Leaking Underground Storage Tanks	0	0	2	-
STATE/ REG/CO	SWLF	Permitted as solid waste landfills, incinerators, or transfer stations	0	0	0	-
STATE	DEED RSTR	Sites with deed restrictions	0	0	0	-
STATE	CORTESE	State index of properties with hazardous waste	0	0	2	-
STATE	TOXIC PITS	Toxic Pits cleanup facilities	0	0	0	-
COUNTY	HE17	SD County unauthorized release list	0	0	2	-
C) Databases searched to 1/4 mile:						
US EPA	RCRA Viol	RCRA violations/enforcement actions	0	0	-	-
US EPA	TRIS	Toxic Release Inventory database	1	0	-	-
STATE	UST/AST	Registered underground or aboveground storage tanks	1	1	-	-
D) Databases searched to 1/8 mile:						
US EPA	ERNS	Emergency Response Notification System of spills	0	-	-	-
US EPA	GNRTR	RCRA registered small or large generators of hazardous waste	3	-	-	-

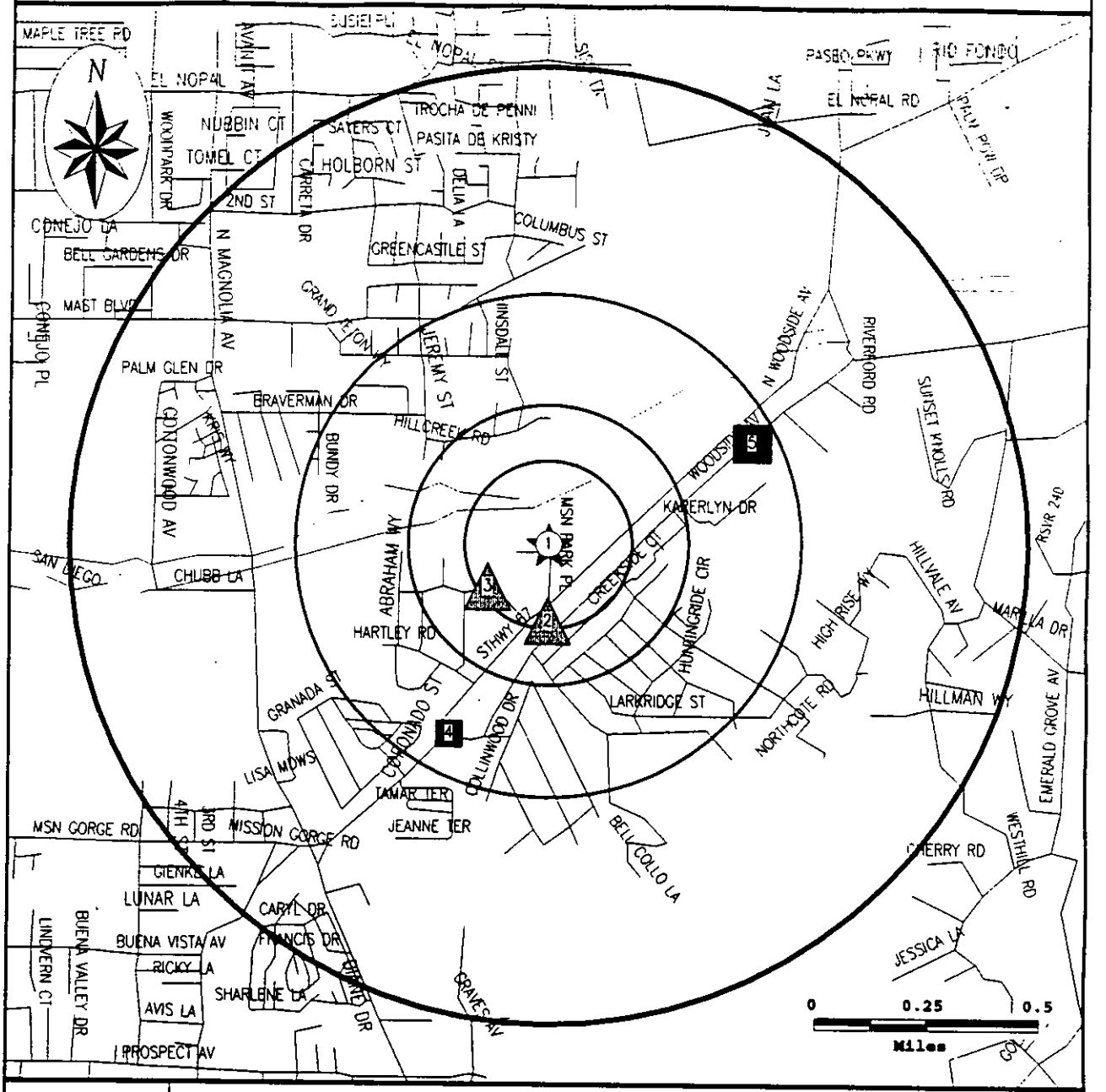
This geographic database search meets the American Society for Testing Materials (ASTM) standards for a government records review. A (-) indicates the search distance exceeds ASTM search parameters.

LIMITATION OF LIABILITY
Customer proceeds at its own risk in choosing to rely on VISTA services, in whole or in part, prior to proceeding with any transaction. VISTA cannot be an insurer of the accuracy of the information, errors occurring in conversion of data, or for customer's use of data. VISTA and its affiliated companies, officers, agents, employees and independent contractors cannot be held liable for accuracy, storage, delivery, loss or expense suffered by customer resulting directly or indirectly from any information provided by VISTA.

NOTES

SITE ASSESSMENT PLUS REPORT

Map of Sites within One Mile



Subject Site	Category: Databases Searched to:	A 1 mi.	B 1/2 mi.	C 1/4 mi.	D 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.

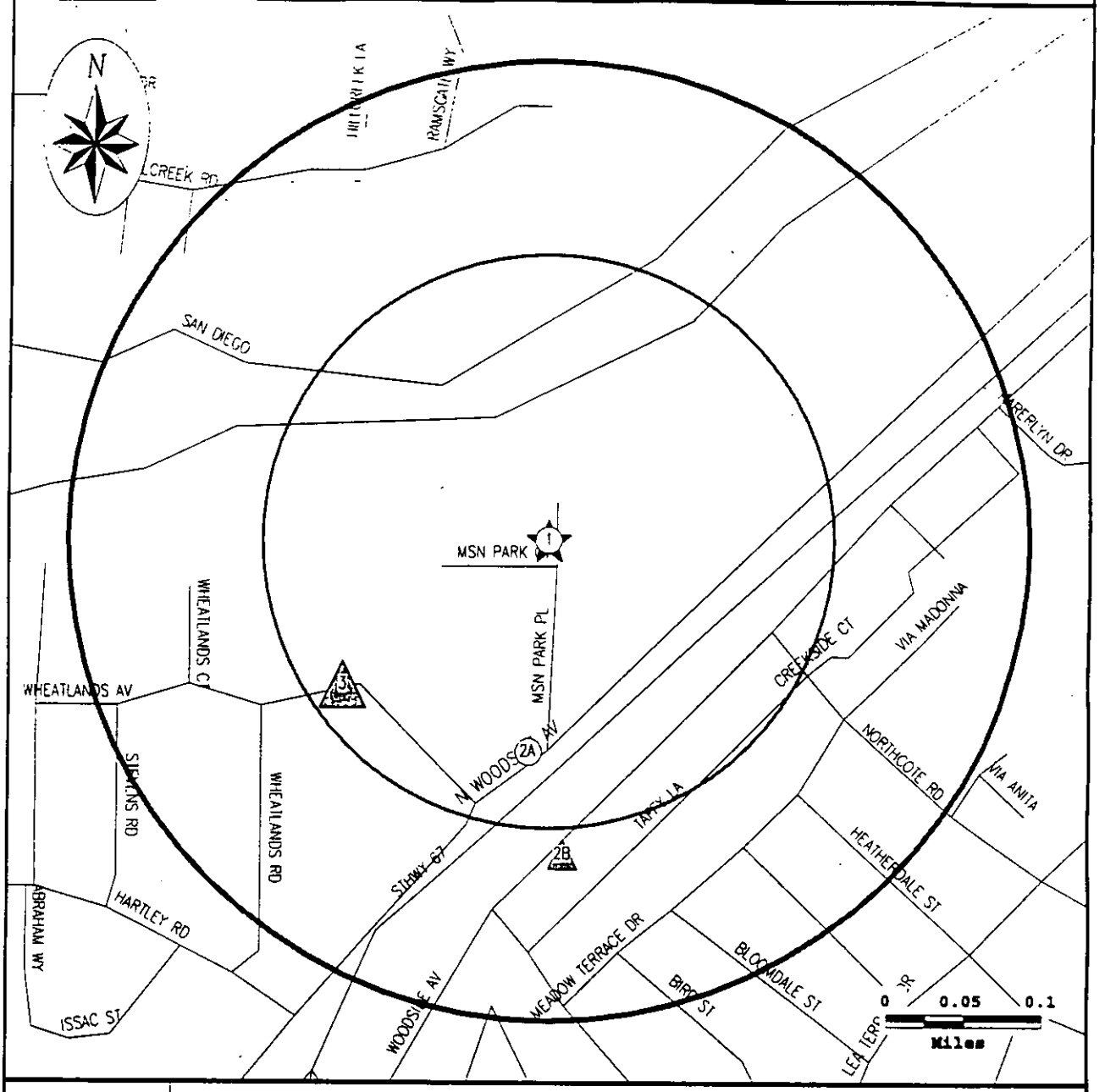
For More Information Call VISTA Environmental Information at **1 - 800 - 767 - 0403**

Report ID: **077794-001**

Date of Report: **June 30, 1995**

SITE ASSESSMENT PLUS REPORT

Map of Sites within Quarter Mile



Subject Site	Category: / Databases Searched to:	A 1 mi.	B 1/2 mi.	C 1/4 mi.	D 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.

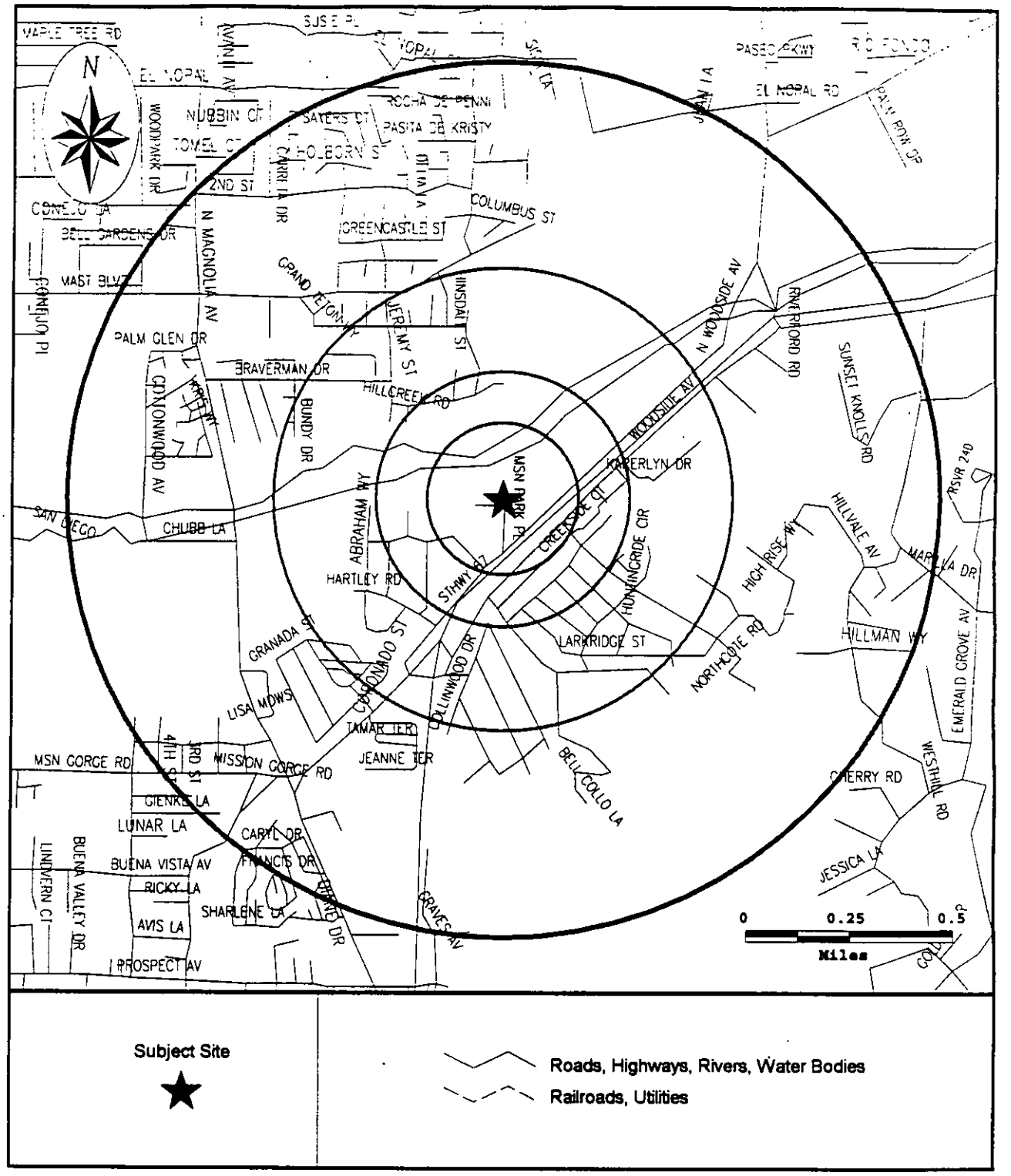
For More Information Call VISTA Environmental Information at **1 - 800 - 767 - 0403**

Report ID: **077794-001**

Date of Report: **June 30, 1995**

SITE ASSESSMENT PLUS REPORT

Street Map



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	SWLF	DEED RSTR	CORTESE	TOXIC PITS	HE17	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
1	AMETEK, INC SANTEE DIV 9484 MISSION PARK PLACE SANTEE, CA 92071	16286 0.00 MI ADJACENT																	X
2A	C H AUTO BODY 10996 NORTH WOODSIDE SANTEE, CA 92071	78450 0.08 MI S																	X
3	CUSTOM CRAFT MARBLE 10848 WHEATLANDS AVE. SANTEE, CA 92071	4244485 0.10 MI SW														X			
3	CUSTOM MARBLE NT0131 10848 WHEATLANDS SANTEE, CA 92071	3500608 0.10 MI SW															X		
3	JACK RANDALL S AUTOMOTIVE 10845 WHEATLANDS STE F SANTEE, CA 92071	213537 0.11 MI SW																	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	HE17	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
2B	CIRCLE K STORE #2959 11007 WOODSIDE AVE SANTEE, CA 92071	84854 0.14 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	HE17	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
4	7-ELEVEN STORE #18469 10710 WOODSIDE AVE SANTEE, CA 92071	1075 0.41 MI SW							X			X		X			•		
5	EL CAPITAN OIL COMPANY 11427 WOODSIDE AV SANTEE, CA 92071	4044070 0.44 MI NE												X			•		
5	ANTHONY T. DITTY 11427 WOODSIDE AVE LAKESIDE, CA 92040	934793 0.44 MI NE							X			X							

MAP ID	SITES IN THE SURROUNDING AREA (within 1/2 - 1 mile)	A				B								C		D	
	VISTA ID / DISTANCE / DIRECTION	NPL	CORRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	CORTESE	TOXIC PITS	HE17	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
No Records Found																		

UNMAPPED SITES

	VISTA ID	A				B									C			D	
		NPL	CORRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	CORTESE	TOXIC PITS	HE17	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
SCANTIBODIES LAB P.O. BOX 1606 LAKESIDE, CA 92040	1168583						X											

SITE ASSESSMENT PLUS REPORT

DETAILS

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

VISTA Address*:	AMETEK, INC SANTEE DIV 9484 MISSION PARK PLACE SANTEE, CA 92071	VISTA ID#:	16286	Map ID
		Distance/Direction:	0.00 MI / ADJACENT	1
		Plotted as:	Point	

RCRA-SmGen - RCRA-Small Generator / SRC# 2271	EPA ID:	CAD981450232

Agency Address:	*SAME AS ABOVE*
Generator Class:	*GENERATORS WHO GENERATE 100 KG./MONTH BUT LESS THAN 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE*
Generator Requirements Violation:	*NO*
Violation of Corrective Action Scheduled:	*NO*
Land Requirements Violation:	*NO*

VISTA Address*:	C H AUTO BODY 10996 NORTH WOODSIDE SANTEE, CA 92071	VISTA ID#:	78450	Map ID
		Distance/Direction:	0.08 MI / S	2A
		Plotted as:	Point	

RCRA-LgGen - RCRA-Large Generator / SRC# 2271	EPA ID:	CAD981572860

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.*
Generator Requirements Violation:	*NO*
Violation of Corrective Action Scheduled:	*NO*
Land Requirements Violation:	*NO*

VISTA Address*:	CUSTOM CRAFT MARBLE 10848 WHEATLANDS AVE. SANTEE, CA 92071	VISTA ID#:	4244485	Map ID
		Distance/Direction:	0.10 MI / SW	3
		Plotted as:	Point	

TRIS - Toxic Release Inventory System / SRC# 1954	EPA/Agency ID:	N/A

Agency Address:	*SAME AS ABOVE*

Chemical Abstract Service Registry:	Quantity Released:
ACETONE	*16758.00 (POUNDS)*
STYRENE	*5400.00 (POUNDS)*

VISTA Address*:	CUSTOM MARBLE NT0131 10848 WHEATLANDS SANTEE, CA 92071	VISTA ID#:	3500608	Map ID
		Distance/Direction:	0.10 MI / SW	3
		Plotted as:	Point	

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

Agency Address:	*SAME AS ABOVE*
Underground Tanks:	*3*
Aboveground Tanks:	*NOT REPORTED*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*1*	Tank Status:	*ACTIVE/IN SERVICE*
Tank Contents:	*MISC. CHEMICAL*	Leak Monitoring:	*UNKNOWN*
Tank Age:	*NOT REPORTED*	Tank Piping:	*UNKNOWN*
Tank Size (Units):	*4000 (GALLONS)*	Tank Material:	*OTHER DESCRIPTIONS*

VISTA

* VISTA address includes enhanced city and ZIP.
For more information call VISTA Environmental Information at 1 - 800 - 767 - 0403.

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

Tank ID:	2	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	MISC. CHEMICAL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	4000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	3	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	MISC. CHEMICAL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	4000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS

VISTA Address*:	**JACK RANDALL S AUTOMOTIVE** **10845 WHEATLANDS STE F** **SANTEE, CA 92071**	VISTA ID#:	213537	Map ID **3**
		Distance/Direction:	0.11 MI / SW	
		Plotted as:	Point	
RCRA-SmGen - RCRA-Small Generator / SRC# 2271		EPA ID:	CAD982516239	

Agency Address:	SAME AS ABOVE
Generator Class:	GENERATORS WHO GENERATE 100 KG./MONTH BUT LESS THAN 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE
Generator Requirements Violation:	NO
Violation of Corrective Action Scheduled:	NO
Land Requirements Violation:	NO

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

VISTA Address*:	**CIRCLE K STORE #2959** **11007 WOODSIDE AVE** **SANTEE, CA 92071**	VISTA ID#:	84854	Map ID **2B**
		Distance/Direction:	0.14 MI / S	
		Plotted as:	Point	
STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A	

Agency Address:	CIRCLE K #2959 11007 WOODSIDE SANTEE, CA 92071
Underground Tanks:	2
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	8000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	2	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	LEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	8000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS

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

VISTA Address*:	7-ELEVEN STORE #18469 10710 WOODSIDE AVE SANTEE, CA 92071	VISTA ID#: Distance/Direction: Plotted as:	1075 0.41 MI / SW Point	Map ID 4

STATE LUST - State Leaking Underground Storage Tank / SRC# 2296		Agency ID:	9UT2110
Agency Address:	*SAME AS ABOVE*		
Tank Status:	*NOT AVAILABLE*		
Media Affected:	*AQUIFER*		
Substance:	*GASOLINE (UNSPECIFIED)*		
Leak Cause:	*UNAVAILABLE*		
Remedial Action:	*NOT AVAILABLE*		
Remedial Status 1:	*REM ACTION PLAN*		
Remedial Status 2:	*NOT AVAILABLE*		
Fields Not Reported:	*Discovery Date, Quantity (Units), Leak Source*		

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2291		Agency ID:	9UT2110
Agency Address:	*7-ELEVEN #18469 SP* *10710 WOODSIDE AVE* *SANTEE, CA 92071*		
Tank Status:	*NOT AVAILABLE*		
Discovery Date:	*DECEMBER 10, 1991*		
Media Affected:	*AQUIFER*		
Substance:	*GASOLINE (UNSPECIFIED)*		
Leak Cause:	*UNKNOWN*		
Leak Source:	*REPORTED AS "UNKNOWN" BY AGENCY*		
Remedial Action:	*NOT AVAILABLE*		
Remedial Status 1:	*REM ACTION PLAN*		
Remedial Status 2:	*NOT AVAILABLE*		
Fields Not Reported:	*Quantity (Units)*		

HE-17 / SRC# 2171		Agency ID:	H20209
Agency Address:	*7-ELEVEN #18469 SP* *10710 WOODSIDE AVE* *SANTEE, CA 92071*		
Tank Status:	*NOT AVAILABLE*		
Discovery Date:	*DECEMBER 10, 1991*		
Media Affected:	*GROUNDWATER, POSSIBLE SOIL*		
Substance:	*GASOLINE (UNSPECIFIED)*		
Leak Cause:	*UNDERGROUND TANK LEAK*		
Leak Source:	*UNDERGROUND TANK*		
Remedial Action:	*NOT AVAILABLE*		
Remedial Status 1:	*REM INVEST/FEASABILITY STUDY*		
Remedial Status 2:	*NOT AVAILABLE*		
Fields Not Reported:	*Quantity (Units)*		

CORTESE / SRC# 2298		EPA/Agency ID:	N/A
Agency Address:	*7-ELEVEN STORE #18469* *10710 WOODSIDE AVE* *SANTEE, CA 92040*		
List Name:	*LEAKING TANK*		
Site ID:	*INV-ID37-001171*		

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

VISTA Address*:	EL CAPITAN OIL COMPANY 11427 WOODSIDE AV SANTEE, CA 92071	VISTA ID#:	4044070	Map ID
		Distance/Direction:	0.44 MI / NE	5
		Plotted as:	Point	

HE-17 / SRC# 2171		Agency ID:	H19469
Agency Address:	*SAME AS ABOVE*		
Tank Status:	*NOT AVAILABLE*		
Discovery Date:	*MARCH 2, 1988*		
Media Affected:	*GROUNDWATER, POSSIBLE SOIL*		
Substance:	*GAS MIXTURE*		
Leak Cause:	*UNDERGROUND TANK LEAK*		
Leak Source:	*UNDERGROUND TANK*		
Remedial Action:	*NOT AVAILABLE*		
Remedial Status 1:	*REM INVEST/FEASABILITY STUDY*		
Remedial Status 2:	*NOT AVAILABLE*		
Fields Not Reported:	*Quantity (Units)*		

VISTA Address*:	ANTHONY T. DITTY 11427 WOODSIDE AVE LAKESIDE, CA 92040	VISTA ID#:	934793	Map ID
		Distance/Direction:	0.44 MI / NE	5
		Plotted as:	Point	

STATE LUST - State Leaking Underground Storage Tank / SRC# 2296		Agency ID:	9UT938
Agency Address:	*ANTHONY T. DITTY* *11427 WOODSIDE AVE* *SANTEE, CA 92071*		
Tank Status:	*NOT AVAILABLE*		
Media Affected:	*GROUNDWATER*		
Substance:	*GASOLINE (UNSPECIFIED)*		
Leak Cause:	*UNAVAILABLE*		
Remedial Action:	*NOT AVAILABLE*		
Remedial Status 1:	*REM ACTION PLAN*		
Remedial Status 2:	*NOT AVAILABLE*		
Fields Not Reported:	*Discovery Date, Quantity (Units), Leak Source*		

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2291		Agency ID:	9UT938
Agency Address:	*ANTHONY T. DITTY* *11427 WOODSIDE AVENUE* *LAKESIDE, CA*		
Tank Status:	*NOT AVAILABLE*		
Discovery Date:	*MARCH 22, 1988*		
Media Affected:	*GROUNDWATER*		
Substance:	*GASOLINE (UNSPECIFIED)*		
Leak Cause:	*UNKNOWN*		
Leak Source:	*REPORTED AS "UNKNOWN" BY AGENCY*		
Remedial Action:	*NOT AVAILABLE*		
Remedial Status 1:	*REM ACTION PLAN*		
Remedial Status 2:	*NOT AVAILABLE*		
Fields Not Reported:	*Quantity (Units)*		

CORTESE / SRC# 2298		EPA/Agency ID:	N/A
Agency Address:	*ANTHONY T. DITTY* *11427 WOODSIDE AVE* *LAKESIDE, CA 92071*		
List Name:	*LEAKING TANK*		
Site ID:	*INV-ID37-000668*		

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

No Records Found

UNMAPPED SITES

Records Found, No Details Displayed

SITE ASSESSMENT PLUS REPORT

DESCRIPTION OF DATABASES SEARCHED

A) DATABASES SEARCHED TO 1 MILE

NPL
SRC#: 2324

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for NPL was April, 1995.

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#: 2293

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 April, 1995.

This database is provided by the Cal. Environmental Protection Agency, Dept. of Toxic Substances Control. Annual Work Plan (AWP) sites and sites where Preliminary Endangerment Assessments are a high priority are included.

CORRACTS
SRC#: 2271

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 March, 1995.

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#: 2271

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for RCRIS was March, 1995.

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#: 2240

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for CERCLIS was March, 1995.

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 activiies or events at the site, financial funding information for the events, and unrestricted enforcement activities.

CERCLIS
SRC#: 2241

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for CERCLIS was March, 1995.

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#: 2230

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 January, 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#: 2292

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 April, 1995.

This database is provided by the Department of Toxic Substances Control. These are lower priority than the SPL sites.

SWLF
SRC#: 2171

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for San Diego County Environmental Health Services Database-Solid Waste Sites was December, 1994.

This database is provided by the San Diego County Department of Health Services.

SWLF
SRC#: 2232

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, 1995.

This database is provided by the Integrated Waste Management Board.

WMUDS
SRC#: 1734

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 March, 1994.

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, and Closure Information.

LUST
SRC#: 2296

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 February, 1995.

This database is provided by the California Environmental Protection Agency.

LUST RG7
SRC#: 2289

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Region #7-Colorado River Basin Leaking Underground Storage Tank Listing was January, 1995.

This database is provided by the Regional Water Quality Control Board, Region #7.

LUST RG9
SRC#: 2291

VISTA conducts a database search to identify all sites within 1/2 mile of your property. **The agency release date for Region #9 Leaking Underground Storage Tank List was March, 1995.**

This database is provided by the Regional Water Quality Control Board, Region #9.

HE17
SRC#: 2171

VISTA conducts a database search to identify all sites within 1/2 mile of your property. **The agency release date for San Diego County Environmental Health Services Database-LUST Sites was December, 1994.**

This database is provided by the San Diego County Department of Health Services.

CORTESE
SRC#: 2298

VISTA conducts a database search to identify all sites within 1/2 mile of your property. **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
SRC#: 1703

VISTA conducts a database search to identify all sites within 1/2 mile of your property. **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
SRC#: 2229

VISTA conducts a database search to identify all sites within 1/2 mile of your property. **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
SRC#: 2271

VISTA conducts a database search to identify all sites within 1/4 mile of your property. **The agency release date for RCRIS was March, 1995.**

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.

UST's
SRC#: 1612

VISTA conducts a database search to identify all sites within 1/4 mile of your property. **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.

AST's
SRC#: 2297

VISTA conducts a database search to identify all sites within 1/4 mile of your property. **The agency release date for Aboveground Storage Tank Database was February, 1995.**

This database is provided by the State Water Resources Control Board.

TRIS
SRC#: 1954

VISTA conducts a database search to identify all sites within 1/4 mile of your property.
The agency release date for TRIS was August, 1994.

Section 313 of the Emergency Planning and Community Right-to-Know Act (also known as SARA Title III) of 1986 requires the EPA to establish an inventory of Toxic Chemicals emissions from certain facilities(Toxic Release Inventory System). Facilities subject to this reporting are required to complete a Toxic Chemical Release Form(Form R) for specified chemicals.

D) DATABASES SEARCHED TO 1/8 MILE

ERNS
SRC#: 2255

VISTA conducts a database search to identify all sites within 1/8 mile of your property.
The agency release date for ERNS was March, 1995.

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, the US Coast Guard, the National Response Center and the Department of transportation. A search of the database records for the period October 1986 through September 1994 revealed the following information regarding reported spills of oil or hazardous substances in the stated area.

RCRA-LgGen
SRC#: 2271

VISTA conducts a database search to identify all sites within 1/8 mile of your property.
The agency release date for RCRIS was March, 1995.

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 Large Generators are facilities which generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).

RCRA-SmGen
SRC#: 2271

VISTA conducts a database search to identify all sites within 1/8 mile of your property.
The agency release date for RCRIS was March, 1995.

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 Small and Very Small generators are facilities which generate less than 1000 kg./month of non-acutely hazardous waste.

End of Report

RECEIVED
JUL 0 3 1995
Blasland, Bouck & Lee

SITE ASSESSMENT PLUS REPORT

PROPERTY INFORMATION	CLIENT INFORMATION
Project Name/Ref #: KETEMA PROCESS KETEMA PROCESS EQUIPMENT 9323 STEVENS RD SANTEE, CA 92071 Cross Street: WHEATLANDS AVE Latitude/Longitude: (32.844810, 116.962059)	B SZEREMETA BLASLAND BOUCK LEE-IRVINE 8001 IRVINE CENTER DR STE 880 IRVINE, CA 92718-2920

Site Distribution Summary

Agency / Database - Type of Records			within 1/8 mile	1/8 to 1/4 mile	1/4 to 1/2 mile	1/2 to 1 mile
A) Databases searched to 1 mile:						
US EPA	NPL	National Priority List	0	0	0	0
US EPA	CORRACTS	RCRA Corrective Actions	0	0	0	0
US EPA	TSD	RCRA permitted treatment, storage, disposal facilities	0	0	0	0
STATE	SPL	State equivalent priority list	0	0	0	0
B) Databases searched to 1/2 mile:						
US EPA	CERCLIS	Sites under review by US EPA	0	0	0	-
STATE	SCL	State equivalent CERCLIS list	0	0	0	-
STATE REG CO	LUST	Leaking Underground Storage Tanks	0	1	3	-
STATE/ REG/CO	SWLF	Permitted as solid waste landfills, incinerators, or transfer stations	0	0	0	-
STATE	DEED RSTR	Sites with deed restrictions	0	0	0	-
STATE	CORTESE	State index of properties with hazardous waste	0	1	2	-
STATE	TOXIC PITS	Toxic Pits cleanup facilities	0	0	0	-
COUNTY	HE17	SD County unauthorized release list	0	1	3	-
C) Databases searched to 1/4 mile:						
US EPA	RCRA Viol	RCRA violations/enforcement actions	0	0	-	-
US EPA	TRIS	Toxic Release Inventory database	1	1	-	-
STATE	UST/AST	Registered underground or aboveground storage tanks	1	3	-	-
D) Databases searched to 1/8 mile:						
US EPA	ERNS	Emergency Response Notification System of spills	0	-	-	-
US EPA	GNRTR	RCRA registered small or large generators of hazardous waste	5	-	-	-

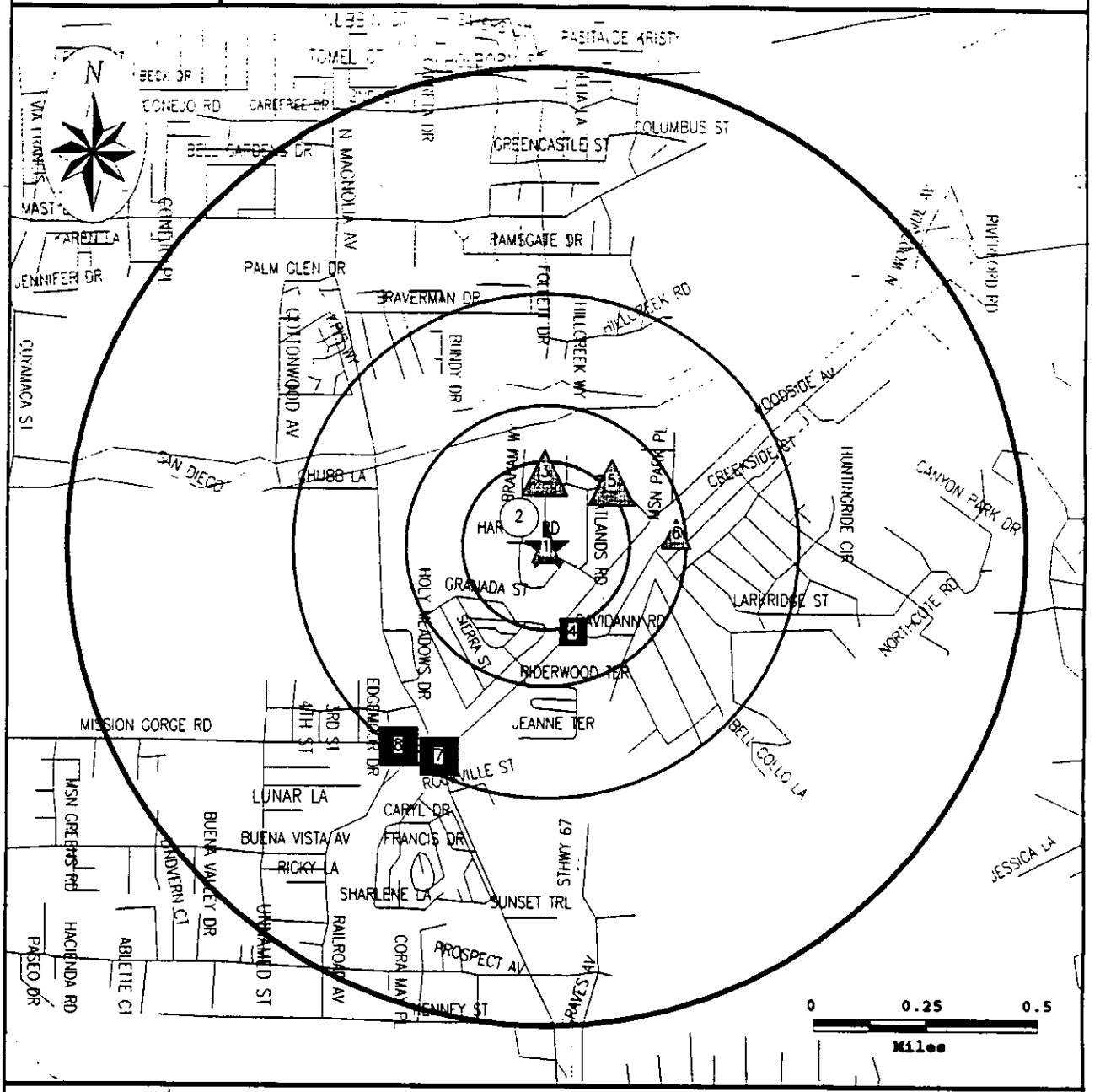
This geographic database search meets the American Society for Testing Materials (ASTM) standards for a government records review. A (-) indicates the search distance exceeds ASTM search parameters.

LIMITATION OF LIABILITY
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NOTES

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.

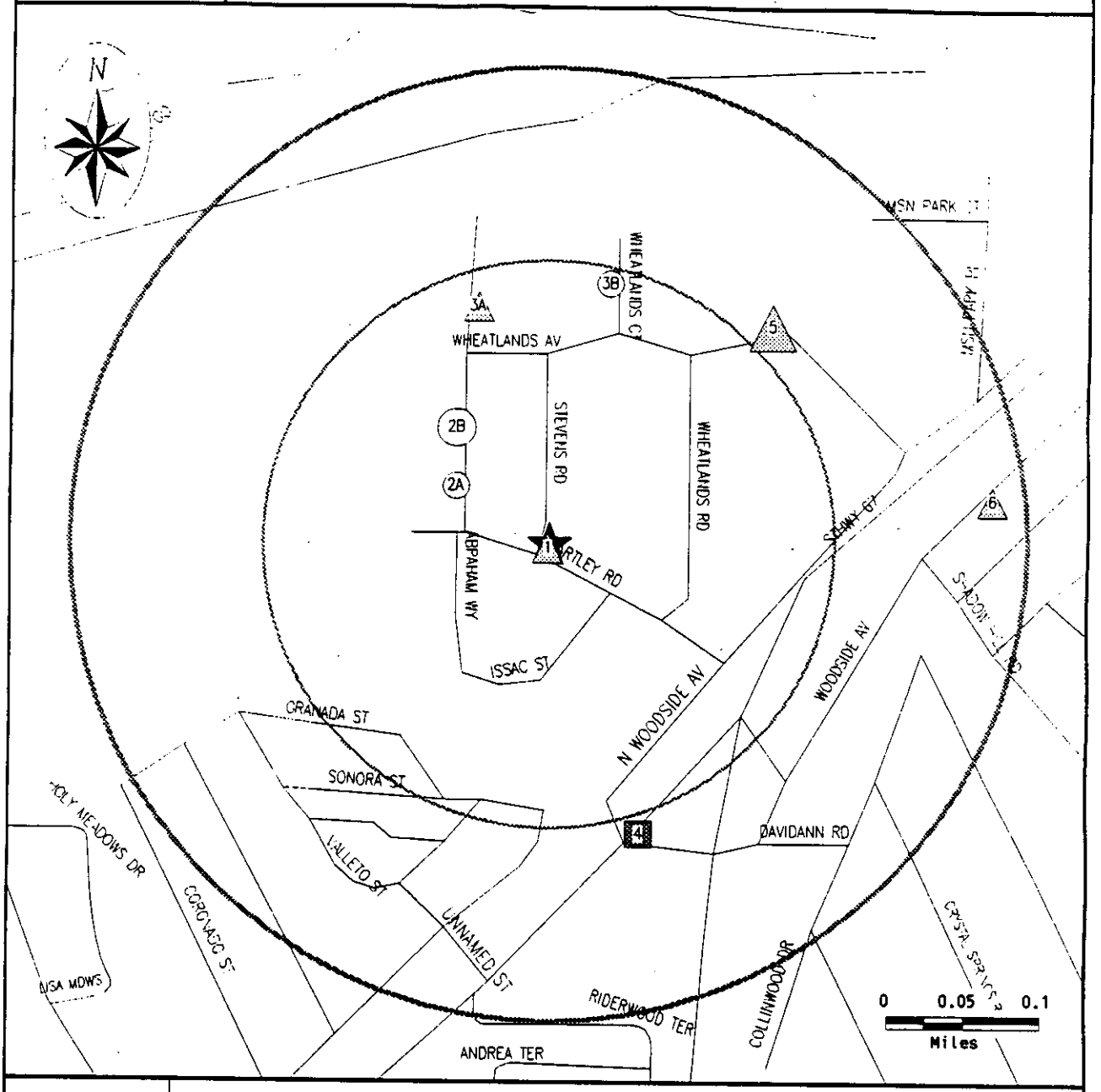
For More Information Call VISTA Environmental Information at **1 - 800 - 767 - 0403**

Report ID: **077795-001**

Date of Report: **June 30, 1995**

SITE ASSESSMENT PLUS REPORT

Map of Sites within Quarter Mile



Subject Site	Category: / Databases Searched to:	A 1 mi.	B 1/2 mi.	C 1/4 mi.	D 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.

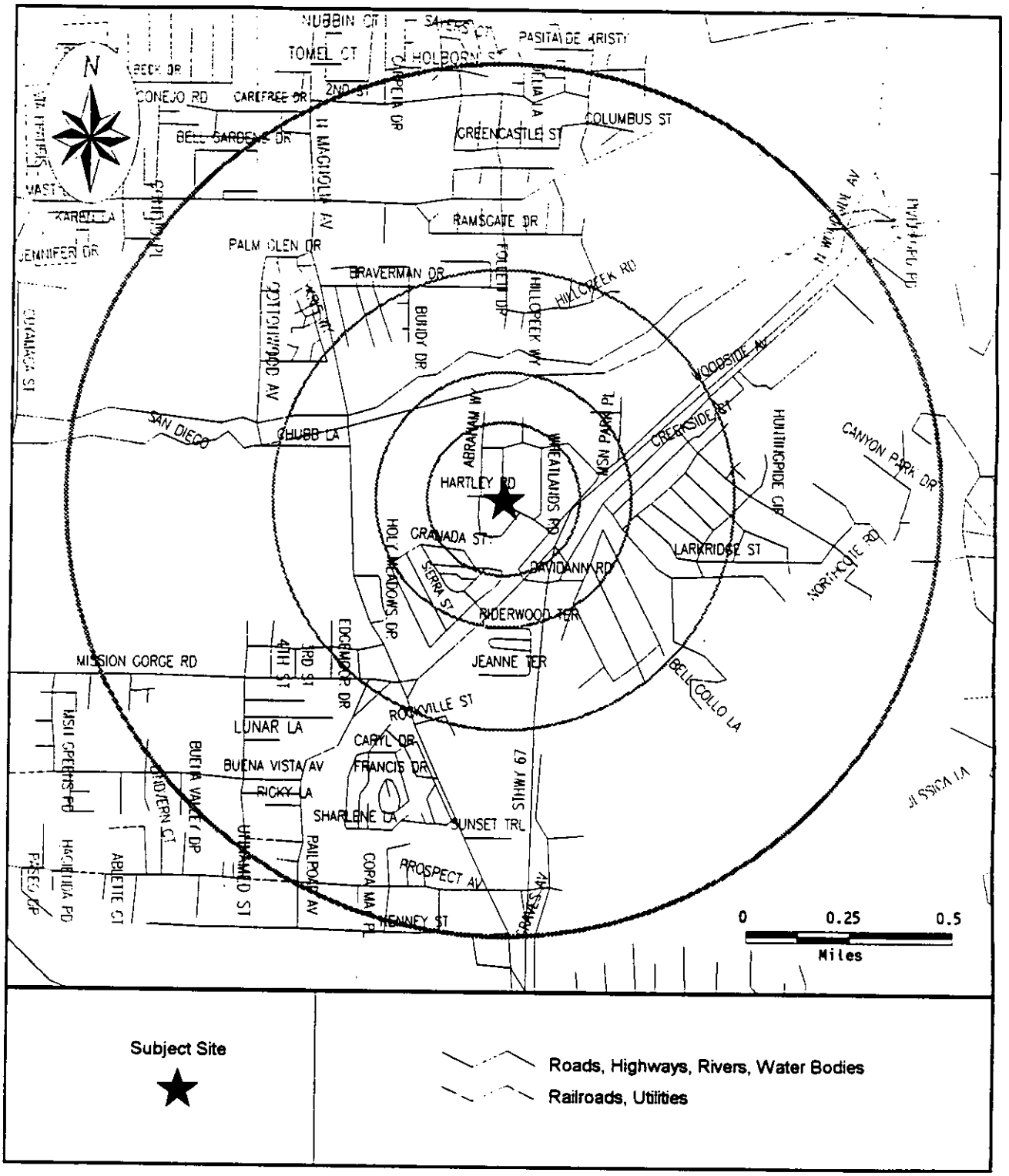
For More Information Call VISTA Environmental Information at **1 - 800 - 767 - 0403**

Report ID: **077795-001**

Date of Report: **June 30, 1995**

SITE ASSESSMENT PLUS REPORT

Street Map



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	SWLF	DEED RSTR	CORTESE	TOXIC PITS	HE17	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
1	FETTERLEY OIL CO 9311 STEVENS SANTEE, CA 92071	4044007 0.00 MI ADJACENT															X		
2A	ALTS TOOL AND MACHINE 9316 ABRAHAM WY SANTEE, CA 92071	5240954 0.01 MI NW																	X
2B	JERAMES TOOL MFG 9356 ABRAHAM WAY SANTEE, CA 92071	216807 0.03 MI NW																	X
2B	SAN DIEGO DESIGN INC 9366 ABRAHAM WY SANTEE, CA 92071	366877 0.04 MI NW																	X
3A	AEROWIND CORP 9429 ABRAHAM WAY SANTEE, CA 92071	7441 0.10 MI N														X			X
3B	PHILIP THEARLE'S AUTOWERKS 9426 WHEATLANDS COURT, STE C SANTEE, CA 92071	328626 0.11 MI N																	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	HE17	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
4	7-ELEVEN STORE #18469 10710 WOODSIDE AVE SANTEE, CA 92071	1075 0.14 MI S							X			X		X			X		
5	CUSTOM CRAFT MARBLE 10848 WHEATLANDS AVE. SANTEE, CA 92071	4244485 0.14 MI NE														X			
5	CUSTOM MARBLE NT0131 10848 WHEATLANDS SANTEE, CA 92071	3500608 0.14 MI NE															X		
6	CIRCLE K STORE #2959 11007 WOODSIDE AVE SANTEE, CA 92071	84854 0.23 MI E															X		•

VISTA

X = search criteria; • = tag-along (beyond search criteria).
For more information call VISTA Environmental Information at 1 - 800 - 767 - 0403.
Report ID: 077795-001 Date of Report: June 30, 1995
Version 2.3

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	HE17	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
7	CHEVRON SERVICE STATION * 8888 MAGNOLIA AVE SANTEE, CA 92071	935332 0.45 MI SW							X			X		X			•		
7	CAMERON BROTHERS CONSTRUCTION 8866 MAGNOLIA AVE SANTEE, CA 92071	1586124 0.47 MI SW							X					X			•		
8	TUNEUP MASTERS NO.413 10529 MISSION GORGE RD SANTEE, CA 92071	3777799 0.49 MI SW												X					
8	TUNEUP MASTERS 10529 MISSION GORGE RD SANTEE, CA 92071	433430 0.49 MI SW							X			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	HE17	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR

No Records Found



X = search criteria; • = tag-along (beyond search criteria).
For more information call VISTA Environmental Information at 1 - 800 - 767 - 0403.
Report ID: 077795-001 Date of Report: June 30, 1995
Version 2.3

UNMAPPED SITES

VISTA ID	A			B							C			D	
	NPL	CORRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	CORTESE	TOXIC PITS	HE17	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR

No Records Found

SITE ASSESSMENT PLUS REPORT

DETAILS

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

VISTA Address*:	FETTERLEY OIL CO 9311 STEVENS SANTEE, CA 92071	VISTA ID#:	4044007	Map ID 1
		Distance/Direction:	0.00 MI / ADJACENT	
		Plotted as:	Point	
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:	1	Tank Status:	CLOSED REMOVED
Tank Contents:	AGENCY REPORTS THE UNDEFINED TERM "OTHER"	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	4000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	2	Tank Status:	CLOSED REMOVED
Tank Contents:	LEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	4000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS

VISTA Address*:	ALTS TOOL AND MACHINE 9316 ABRAHAM WY SANTEE, CA 92071	VISTA ID#:	5240954	Map ID 2A
		Distance/Direction:	0.01 MI / NW	
		Plotted as:	Point	
RCRA-SmGen - RCRA-Small Generator / SRC# 2271		EPA ID:	CA0000477877	

Agency Address:	SAME AS ABOVE
Generator Class:	GENERATORS WHO GENERATE 100 KG./MONTH BUT LESS THAN 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE
Generator Requirements Violation:	NO
Violation of Corrective Action Scheduled:	NO
Land Requirements Violation:	NO

VISTA Address*:	JERAMES TOOL MFG 9356 ABRAHAM WAY SANTEE, CA 92071	VISTA ID#:	216807	Map ID 2B
		Distance/Direction:	0.03 MI / NW	
		Plotted as:	Point	
RCRA-LgGen - RCRA-Large Generator / SRC# 2271		EPA ID:	CAD020203139	

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.
Generator Requirements Violation:	NO
Violation of Corrective Action Scheduled:	NO
Land Requirements Violation:	NO

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

VISTA Address*:	SAN DIEGO DESIGN INC 9366 ABRAHAM WY SANTEE, CA 92071	VISTA ID#:	366877	Map ID 2B
		Distance/Direction:	0.04 MI / NW	
		Plotted as:	Point	

RCRA-LgGen - RCRA-Large Generator / SRC# 2271		EPA ID:	CAD981384993
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.*		
Generator Requirements Violation:	*NO*		
Violation of Corrective Action Scheduled:	*NO*		
Land Requirements Violation:	*NO*		

VISTA Address*:	AEROWIND CORP 9429 ABRAHAM WAY SANTEE, CA 92071	VISTA ID#:	7441	Map ID 3A
		Distance/Direction:	0.10 MI / N	
		Plotted as:	Point	

RCRA-SmGen - RCRA-Small Generator / SRC# 2271		EPA ID:	CAD981396997
Agency Address:	*SAME AS ABOVE*		
Generator Class:	*GENERATORS WHO GENERATE 100 KG./MONTH BUT LESS THAN 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE*		
Generator Requirements Violation:	*NO*		
Violation of Corrective Action Scheduled:	*NO*		
Land Requirements Violation:	*NO*		

TRIS - Toxic Release Inventory System / SRC# 1954		EPA ID:	HAHQ36019091
Agency Address:	*AEROWIND CORP. 9429 ABRAHAM WAY SANTEE, CA 920712854*		
Chemical Abstract Service Registry:		Quantity Released:	
NOT REPORTED		*NOT REPORTED (POUNDS)*	

VISTA Address*:	PHILIP THEARLE'S AUTOWERKS 9426 WHEATLANDS COURT, STE C SANTEE, CA 92071	VISTA ID#:	328626	Map ID 3B
		Distance/Direction:	0.11 MI / N	
		Plotted as:	Point	

RCRA-LgGen - RCRA-Large Generator / SRC# 2271		EPA ID:	CAD118586056
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.*		
Generator Requirements Violation:	*NO*		
Violation of Corrective Action Scheduled:	*NO*		
Land Requirements Violation:	*NO*		

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

VISTA Address*:	7-ELEVEN STORE #18469 10710 WOODSIDE AVE SANTEE, CA 92071	VISTA ID#:	1075
		Distance/Direction:	0.14 MI / S
		Plotted as:	Point

Map ID **4**

STATE LUST - State Leaking Underground Storage Tank / SRC# 2296 — Agency ID: 9UT2110

Agency Address:	*SAME AS ABOVE*
Tank Status:	*NOT AVAILABLE*
Media Affected:	*AQUIFER*
Substance:	*GASOLINE (UNSPECIFIED)*
Leak Cause:	*UNAVAILABLE*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*REM ACTION PLAN*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Discovery Date, Quantity (Units), Leak Source*

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2291 — Agency ID: 9UT2110

Agency Address:	*7-ELEVEN #18469 SP* *10710 WOODSIDE AVE* *SANTEE, CA 92071*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*DECEMBER 10, 1991*
Media Affected:	*AQUIFER*
Substance:	*GASOLINE (UNSPECIFIED)*
Leak Cause:	*UNKNOWN*
Leak Source:	*REPORTED AS "UNKNOWN" BY AGENCY*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*REM ACTION PLAN*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

HE-17 / SRC# 2171 — Agency ID: H20209

Agency Address:	*7-ELEVEN #18469 SP* *10710 WOODSIDE AVE* *SANTEE, CA 92071*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*DECEMBER 10, 1991*
Media Affected:	*GROUNDWATER, POSSIBLE SOIL*
Substance:	*GASOLINE (UNSPECIFIED)*
Leak Cause:	*UNDERGROUND TANK LEAK*
Leak Source:	*UNDERGROUND TANK*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*REM INVEST/FEASABILITY STUDY*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

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

Agency Address:	*7-ELEVEN FOOD STORES #18469* *10710 WOODSIDE* *SANTEE, CA 92071*
Underground Tanks:	*3*
Aboveground Tanks:	*NOT REPORTED*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*1*	**Tank Status:**	*CLOSED REMOVED*
Tank Contents:	*UNLEADED GAS*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*10000 (GALLONS)*	**Tank Material:**	*OTHER DESCRIPTIONS*

VISTA

* VISTA address includes enhanced city and ZIP.

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

Tank ID:	2	Tank Status:	CLOSED REMOVED
Tank Contents:	LEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	3	Tank Status:	CLOSED REMOVED
Tank Contents:	LEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	6000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS

CORTESE / SRC# 2298 — EPA/Agency ID: N/A

Agency Address: 7-ELEVEN STORE #18469, 10710 WOODSIDE AVE, SANTEE, CA 92040
List Name: LEAKING TANK
Site ID: INV-ID37-001171

VISTA Address*: **CUSTOM CRAFT MARBLE, 10848 WHEATLANDS AVE., SANTEE, CA 92071**

VISTA ID#: 4244485
Distance/Direction: 0.14 MI / NE
Plotted as: Point

Map ID **5**

TRIS - Toxic Release Inventory System / SRC# 1954 — EPA/Agency ID: N/A

Agency Address: SAME AS ABOVE

Chemical Abstract Service Registry:	Quantity Released:
ACETONE	16758.00 (POUNDS)
STYRENE	5400.00 (POUNDS)

VISTA Address*: **CUSTOM MARBLE NT0131, 10848 WHEATLANDS, SANTEE, CA 92071**

VISTA ID#: 3500608
Distance/Direction: 0.14 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: 3
Aboveground Tanks: NOT REPORTED
Tanks Removed: NOT REPORTED

Tank ID:	1	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	MISC. CHEMICAL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	4000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	2	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	MISC. CHEMICAL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	4000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	3	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	MISC. CHEMICAL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	4000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS

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

VISTA Address*:	CIRCLE K STORE #2959 11007 WOODSIDE AVE SANTEE, CA 92071	VISTA ID#:	84854	Map ID
		Distance/Direction:	0.23 MI / E	6
		Plotted as:	Point	

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

Agency Address:	*CIRCLE K #2959 11007 WOODSIDE SANTEE, CA 92071*
Underground Tanks:	*2*
Aboveground Tanks:	*NOT REPORTED*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*1*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*UNLEADED GAS*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*8000 (GALLONS)*	**Tank Material:**	*OTHER DESCRIPTIONS*
Tank ID:	*2*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*LEADED GAS*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*8000 (GALLONS)*	**Tank Material:**	*OTHER DESCRIPTIONS*

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

VISTA Address*:	CHEVRON SERVICE STATION * 8888 MAGNOLIA AVE SANTEE, CA 92071	VISTA ID#:	935332	Map ID
		Distance/Direction:	0.45 MI / SW	7
		Plotted as:	Point	

STATE LUST - State Leaking Underground Storage Tank / SRC# 2296 | Agency ID: 9UT766

Agency Address:	*SAME AS ABOVE*
Tank Status:	*NOT AVAILABLE*
Media Affected:	*AQUIFER*
Substance:	*GASOLINE (UNSPECIFIED)*
Leak Cause:	*UNAVAILABLE*
Remedial Action:	*VENT SOIL*
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# 2291 | Agency ID: 9UT766

Agency Address:	*CHEVRON SERVICE STATION 8888 MAGNOLIA AVENUE SANTEE, CA*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*JULY 1, 1987*
Media Affected:	*AQUIFER*
Substance:	*GASOLINE (UNSPECIFIED)*
Leak Cause:	*STRUCTURAL FAILURE*
Leak Source:	*PIPE, LINE, HOSE*
Remedial Action:	*VENT SOIL*
Remedial Status 1:	*REM ACTION TAKEN*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

HE-17 / SRC# 2171		Agency ID:	H05725
Agency Address:	*CHEVRON SERVICE STATION* *8888 MAGNOLIA AVENUE* *SANTEE, CA*		
Tank Status:	*NOT AVAILABLE*		
Discovery Date:	*AUGUST 1, 1983*		
Media Affected:	*GROUNDWATER, POSSIBLE SOIL*		
Substance:	*GASOLINE (UNSPECIFIED)*		
Leak Cause:	*UNDERGROUND TANK LEAK*		
Leak Source:	*UNDERGROUND TANK*		
Remedial Action:	*VENT SOIL*		
Remedial Status 1:	*PRELIMINARY ASSESSMENT*		
Remedial Status 2:	*NOT AVAILABLE*		
Fields Not Reported:	*Quantity (Units)*		

CORTESE / SRC# 2298		EPA/Agency ID:	N/A
Agency Address:	*CHEVRON SERVICE STATION ** *8888 MAGNOLIA AVE* *SANTEE, CA*		
List Name:	*LEAKING TANK*		
Site ID:	*INV-ID37-000601*		

VISTA Address*:	**CAMERON BROTHERS CONSTRUCTION** **8866 MAGNOLIA AVE** **SANTEE, CA 92071**	VISTA ID#:	1586124
		Distance/Direction:	0.47 MI / SW
		Plotted as:	Point

Map ID **7**

STATE LUST - State Leaking Underground Storage Tank / SRC# 2296		Agency ID:	9UT979
Agency Address:	*SAME AS ABOVE*		
Tank Status:	*NOT AVAILABLE*		
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:	*Discovery Date, Quantity (Units), Leak Source*		

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2291		Agency ID:	9UT979
Agency Address:	*CAMERON BROTHERS CONSTRUCTION* *8866 MAGNOLIA AV* *SANTEE, CA 92040*		
Tank Status:	*NOT AVAILABLE*		
Discovery Date:	*JUNE 14, 1988*		
Media Affected:	*GROUNDWATER*		
Substance:	*GASOLINE (UNSPECIFIED)*		
Leak Cause:	*UNKNOWN*		
Leak Source:	*REPORTED AS "UNKNOWN" BY AGENCY*		
Remedial Action:	*NOT AVAILABLE*		
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*		
Remedial Status 2:	*NOT AVAILABLE*		
Fields Not Reported:	*Quantity (Units)*		

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

HE-17 / SRC# 2171		Agency ID:	H26483
Agency Address:	*CAMERON BROTHERS CONSTRUCTION* *8866 MAGNOLIA AV* *SANTEE, CA 92040*		
Tank Status:	*NOT AVAILABLE*		
Discovery Date:	*JUNE 20, 1988*		
Media Affected:	*SOIL/SAND/LAND*		
Substance:	*GAS MIXTURE*		
Leak Cause:	*UNDERGROUND TANK LEAK*		
Leak Source:	*UNDERGROUND TANK*		
Remedial Action:	*NOT AVAILABLE*		
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*		
Remedial Status 2:	*NOT AVAILABLE*		
Fields Not Reported:	*Quantity (Units)*		

VISTA Address*:	**TUNEUP MASTERS NO.413** **10529 MISSION GORGE RD** **SANTEE, CA 92071**	VISTA ID#: Distance/Direction: Plotted as:	3777799 0.49 MI / SW Point	Map ID **8**

HE-17 / SRC# 2171		Agency ID:	H13967
Agency Address:	*SAME AS ABOVE*		
Tank Status:	*NOT AVAILABLE*		
Discovery Date:	*MAY 12, 1988*		
Media Affected:	*SOIL/SAND/LAND*		
Substance:	*GASOLINE AND OIL MIXTURE*		
Leak Cause:	*UNDERGROUND TANK LEAK*		
Leak Source:	*UNDERGROUND TANK*		
Remedial Action:	*NOT AVAILABLE*		
Remedial Status 1:	*PRELIMINARY ASSESSMENT*		
Remedial Status 2:	*NOT AVAILABLE*		
Fields Not Reported:	*Quantity (Units)*		

VISTA Address*:	**TUNEUP MASTERS** **10529 MISSION GORGE RD** **SANTEE, CA 92071**	VISTA ID#: Distance/Direction: Plotted as:	433430 0.49 MI / SW Point	Map ID **8**

STATE LUST - State Leaking Underground Storage Tank / SRC# 2296		Agency ID:	9UT958
Agency Address:	*SAME AS ABOVE*		
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*		

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

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2291		Agency ID:	9UT958
Agency Address:	*TUNEUP MASTERS* *10529 MISSION GORGE ROAD* *SANTEE, CA 92071*		
Tank Status:	*NOT AVAILABLE*		
Discovery Date:	*MAY 12, 1988*		
Media Affected:	*GROUNDWATER.*		
Substance:	*GASOLINE (UNSPECIFIED)*		
Leak Cause:	*UNKNOWN*		
Leak Source:	*REPORTED AS "UNKNOWN" BY AGENCY*		
Remedial Action:	*NOT AVAILABLE*		
Remedial Status 1:	*PRELIMINARY ASSESSMENT*		
Remedial Status 2:	*NOT AVAILABLE*		
Fields Not Reported:	*Quantity (Units)*		
CORTESE / SRC# 2298		EPA/Agency ID:	N/A
Agency Address:	*SAME AS ABOVE*		
List Name:	*LEAKING TANK*		
Site ID:	*INV-ID37-000676*		

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

No Records Found

UNMAPPED SITES

No Records Found

SITE ASSESSMENT PLUS REPORT

DESCRIPTION OF DATABASES SEARCHED

A) DATABASES SEARCHED TO 1 MILE

NPL
SRC#: 2324

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for NPL was April, 1995.

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#: 2293

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 April, 1995.

This database is provided by the Cal. Environmental Protection Agency, Dept. of Toxic Substances Control. Annual Work Plan (AWP) sites and sites where Preliminary Endangerment Assessments are a high priority are included.

CORRACTS
SRC#: 2271

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 March, 1995.

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#: 2271

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for RCRIS was March, 1995.

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#: 2240

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for CERCLIS was March, 1995.

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 activiies or events at the site, financial funding information for the events, and unrestricted enforcement activities.

CERCLIS
SRC#: 2241

VISTA conducts a database search to identify all sites within 1/2 mile of your property
The agency release date for CERCLIS was March, 1995.

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#: 2230

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 January, 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#: 2292

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 April, 1995.

This database is provided by the Department of Toxic Substances Control. These are lower priority than the SPL sites.

SWLF
SRC#: 2171

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for San Diego County Environmental Health Services Database-Solid Waste Sites was December, 1994.

This database is provided by the San Diego County Department of Health Services.

SWLF
SRC#: 2232

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, 1995.

This database is provided by the Integrated Waste Management Board.

WMUDS
SRC#: 1734

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 March, 1994.

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, and Closure Information.

LUST
SRC#: 2296

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 February, 1995.

This database is provided by the California Environmental Protection Agency.

LUST RG7
SRC#: 2289

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Region #7-Colorado River Basin Leaking Underground Storage Tank Listing was January, 1995.

This database is provided by the Regional Water Quality Control Board, Region #7.

LUST RG9
SRC#: 2291

VISTA conducts a database search to identify all sites within 1/2 mile of your property. **The agency release date for Region #9 Leaking Underground Storage Tank List was March, 1995.**

This database is provided by the Regional Water Quality Control Board, Region #9.

HE17
SRC#: 2171

VISTA conducts a database search to identify all sites within 1/2 mile of your property. **The agency release date for San Diego County Environmental Health Services Database-LUST Sites was December, 1994.**

This database is provided by the San Diego County Department of Health Services.

CORTESE
SRC#: 2298

VISTA conducts a database search to identify all sites within 1/2 mile of your property. **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
SRC#: 1703

VISTA conducts a database search to identify all sites within 1/2 mile of your property. **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
SRC#: 2229

VISTA conducts a database search to identify all sites within 1/2 mile of your property. **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
SRC#: 2271

VISTA conducts a database search to identify all sites within 1/4 mile of your property. **The agency release date for RCRIS was March, 1995.**

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.

UST's
SRC#: 1612

VISTA conducts a database search to identify all sites within 1/4 mile of your property. **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.

AST's
SRC#: 2297

VISTA conducts a database search to identify all sites within 1/4 mile of your property. **The agency release date for Aboveground Storage Tank Database was February, 1995.**

This database is provided by the State Water Resources Control Board.

TRIS
SRC#: 1954

VISTA conducts a database search to identify all sites within 1/4 mile of your property.
The agency release date for TRIS was August, 1994.

Section 313 of the Emergency Planning and Community Right-to-Know Act (also known as SARA Title III) of 1986 requires the EPA to establish an inventory of Toxic Chemicals emissions from certain facilities(Toxic Release Inventory System). Facilities subject to this reporting are required to complete a Toxic Chemical Release Form(Form R) for specified chemicals.

D) DATABASES SEARCHED TO 1/8 MILE

ERNS
SRC#: 2255

VISTA conducts a database search to identify all sites within 1/8 mile of your property.
The agency release date for ERNS was March, 1995.

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, the US Coast Guard, the National Response Center and the Department of transportation. A search of the database records for the period October 1986 through September 1994 revealed the following information regarding reported spills of oil or hazardous substances in the stated area.

RCRA-LgGen
SRC#: 2271

VISTA conducts a database search to identify all sites within 1/8 mile of your property.
The agency release date for RCRIS was March, 1995.

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 Large Generators are facilities which generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).

RCRA-SmGen
SRC#: 2271

VISTA conducts a database search to identify all sites within 1/8 mile of your property.
The agency release date for RCRIS was March, 1995.

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 Small and Very Small generators are facilities which generate less than 1000 kg./month of non-acutely hazardous waste.

End of Report

BOREHOLE LOG

Project Name: Ketema-Santee		Date: 8/18/95
Project No: 30731.02	Borehole Number: BH-4	Sheet: 2 of: 2

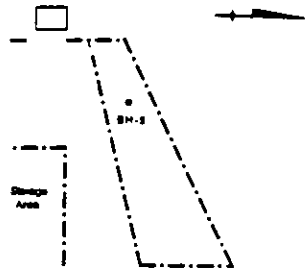
Depth (Feet)	Description	Samples: Interval	Samples: Lithology	Samples: OVM (ppm) Background	Samples: OVM (ppm) Head Space	Sample Number	Blowcounts
25	SAND: greyish black, moist, no odor, micacous, medium grained, well sorted, no odor, slight Fe staining.			<1	<1	BH-4-25'	7/8/9 ▼ Groundwater at 27'
30	SAND: as for 25' to SAND, coarse sand, olive grey, no odor, no staining, wet quartz, tourmaline, micaceous.			—	—	No Sample	4/3/2
	Groundwater sample collected (BH-4)						
35							
40							
45							
50							

BLASLAND, BOUCK, & LEE
ENGINEERS & GEOSCIENTISTS
8001 Irvine Center Drive, Suite 880
IRVINE, CALIFORNIA 92718

BOREHOLE LOG

Project Name: Ketema-Santee	Date: 8/18/95
Project No: 30731.02	Sheet: 1 of: 1
Borehole Number: BH-5	Borehole Diameter: 8"
Elev. & Datum: NA	Total Depth (Feet): 30'
Drilling Co: West Hazmat	Depth to Water: 27'
Drilling Equip: CME-75	Logged By: SJB
Sampler Type: Split Spoon	Checked By: SMS
Drilling Method: Hollow Stem	Completion Information: Seal with bentonite clay to 23', backfilled with volclay grout to surface.
Driller: Bob	
Helper: Jeff	

Drilling Location:



Depth (Feet)	Description	Samples: Interval	Samples: Lithology	OVM (ppm): Background	OVM (ppm): Head Space	Sample Number	Blowcounts
2'	SANDY SILT: brown, dry, asphalt material throughout, fill material			<1	—	BH-5-2'	—
5	ASPHALT: greyish clayey sand and asphalt chunks, fill material.			<1	<1	BH-5-5'	11/17/23
10	SAND: greyish fine to coarse grained, no odor, slightly moist, no staining, poorly sorted, sub rounded.			<1	<1	BH-5-10'	12/10/8
15	SAND: dark greyish, fine to medium grained, trace coarser material, no odor, slightly moist, no staining sub rounded.			<1	<1	BH-5-15'	21/32/32
20	SAND: olive, fine to medium sand, slightly moist, no odor, no staining, sub rounded.			<1	<1	BH-5-20'	9/9/11

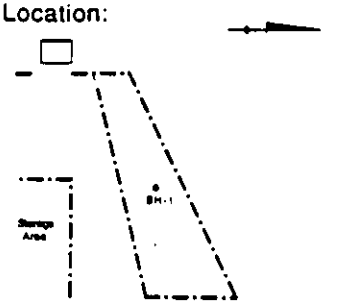
BOREHOLE LOG

Project Name: Ketema-Santee		Date: 8/18/95
Project No: 30731.02	Borehole Number: BH-5	Sheet: 2 of: 2

Depth (Feet)	Description	Samples: Interval	Samples: Lithology	OVM (ppm): Background	OVM (ppm): Head Space	Sample Number	Blowcounts
25	SAND: tan, medium to coarse sand, tan, no odor, no staining, wet, sub rounded.			<1	—	No Sample	10/12/14 ▼ Groundwater at 27'
30	SAND: olive grey, medium, some coarse sand, no odor, wet, sub rounded.			—	—	—	—
	Ground-water sample taken (BH-5)						
35							
40							
45							
50							

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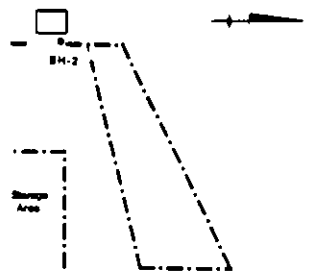
BOREHOLE LOG

Project Name: Ketema-Santee	Date: 8/18/95	Drilling Location: 
Project No: 30731.02	Sheet: 1 of: 1	
Borehole Number: BH-1	Borehole Diameter: 8"	
Elev. & Datum: NA	Total Depth (Feet): 10'	
Drilling Co: West Hazmat	Depth to Water: NA	
Drilling Equip: Acker/CME-75	Logged By: SJB	
Sampler Type: Split Spoon	Checked By: SMS	
Drilling Method: Hollow Stem	Completion Information: Backfilled with volclay grout to surface.	
Driller: Robert/Bob		
Helper: Craig/Doug/Jeff		

Depth (Feet)	Description	Samples: Interval	Samples: Lithology	OVM (ppm): Background	OVM (ppm): Head Space	Sample Number	Blowcounts
2'	GRAVEL SAND: reddish brown coarse sand and gravel, to weathered granodiorite, slightly moist.			<1	<1	BH-1-2'	—
5	SANDY CLAY: greyish to reddish brown, no staining, moist, with gravel clasts, no odor.			<1	—	No Sample	50
7.5	NO SAMPLE			<1	—	No Sample	30/50 (2")
10	GRAVEL/BOULDERS ?						
	Refusal. (Acker & CME-75)						

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BOREHOLE LOG

Project Name: Ketema-Santee	Date: 8/18/95	Drilling Location: 
Project No: 30731.02	Sheet: 1 of: 1	
Borehole Number: BH-2	Borehole Diameter: 8"	
Elev. & Datum: NA	Total Depth (Feet): 26'	
Drilling Co: West Hazmat	Depth to Water: 26'	
Drilling Equip: Acker	Logged By: SJB	
Sampler Type: Split Spoon	Checked By: SMS	
Drilling Method: Hollow Stem	Completion Information: Seal with bentonite clay to 23', backfilled with volclay grout to surface.	
Driller: Robert		
Helper: Craig/Doug		

Depth (Feet)	Description	Samples: Interval	Lithology	OVM (ppm): Background	OVM (ppm): Head Space	Sample Number	Blowcounts
2'	SAND: greyish brown to black, medium to coarse, wet (from sprinklers), some rootlets, minor clay, some organic staining.			<1	<1	BH-2-2'	3/8/9
5	SAND: yellowish brown, medium to coarse, no odor, slightly moist, micacous			<1	<1	BH-2-5'	7/9/14
7.5'	SAND: yellowish brown grading to olive at 8'. no odor, slightly moist, tourmaline.			<1	<1	BH-2-7.5	7/9/11
10	SAND: medium to coarse, moist, no odor, no staining, tourmaline.			<1	<1	BH-2-10'	12/15/18
15	SAND: medium to coarse, moist, no odor, no staining, tourmaline to fine, greyish, moist at 16'.			<1	<1	BH-2-15'	9/11/15
20	SAND: greyish fine, moist to medium tan, no odor, no staining, trace coarse material.			<1	<1	BH-2-20'	7/11/14

BOREHOLE LOG

Project Name: Ketema-Santee		Date: 8/18/95
Project No: 30731.02	Borehole Number: BH-2	Sheet: 2 of: 2

Depth (Feet)	Description	Samples: Interval	Samples: Lithology	OVM (ppm): Background	OVM (ppm): Head Space	Sample Number	Blowcounts
25	SILTY SAND: dark grey to black, slightly moist, no odor, no staining to sand, yellowish brown, coarse, wet at 26'.			<1	<1	BH-2-25'	12/16/25 ▼
	Hydropunch sample (no sample collected)						Groundwater at 27'
30							
35							
40							
45							
50							

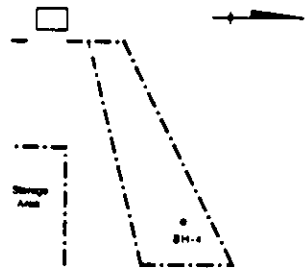
BOREHOLE LOG

Project Name: Ketema-Santee		Date: 8/18/95
Project No: 30731.02	Borehole Number: BH-3	Sheet: 2 of: 2

Depth (Feet)	Description	Samples: Interval	Samples: Lithology	OVM (ppm): Background	OVM (ppm): Head Space	Sample Number	Blowcounts
25	SAND: greyish black, fine sand, micaceous to yellowish tan sand, fine to coarse, some trace gravel, clasts to 10mm, wet at shoe.			<1	<1	BH-3-25'	9/13/15 ▼ Groundwater at 27'
30	Drilled to 30', no sample (slough), collect water sample. (BH-3)						
	End of hole						
35							
40							
45							
50							

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BOREHOLE LOG

Project Name: Ketema-Santee	Date: 8/18/95	Drilling Location: 
Project No: 30731.02	Sheet: 1 of: 1	
Borehole Number: BH-4	Borehole Diameter: 8"	
Elev. & Datum: NA	Total Depth (Feet): 30'	
Drilling Co: West Hazmat	Depth to Water: 27'	
Drilling Equip: CME-75	Logged By: SJB	
Sampler Type: Split Spoon	Checked By: SMS	
Drilling Method: Hollow Stem	Completion Information: Seal with bentonite clay to 23' Backfilled with volclay grout to surface.	
Driller: Bob		
Helper: Jeff		

Depth (Feet)	Description	Samples: Interval	Samples: Lithology	OVM (ppm): Background	OVM (ppm): Head Space	Sample Number	Blowcounts
2'	ASPHALT/ROCKS: rubble, dry, no odor, no staining, some clayey silt, reddish brown.			<1	<1	BH-4-2'	10/20/18
5	SANDY CLAY: reddish brown, slightly moist, no odor, no staining.			<1	<1	BH-4-5'	21/20/16
10	NO RECOVERY			—	—	—	76
15	SAND: Olive brown, moist, fine to medium sand, minor coarse clasts, no staining, slight odor (oil?)			<1	<1	BH-4-15'	11/18/22
20	SAND: olive, moist, medium sand, well sorted, no odor, no staining.			<1	<1	BH-4-20'	12/12/19

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory I.D.: 212667
Client: BLASLAND, BOUCK, & LEE, INC

Matrix: Solid
Method: EPA 418.1

Laboratory I.D.	Sample I.D.	Result (mg/kg)	Analytical Notes	Date Analyzed	QC Batch
6	BH-3-5'	14		08/25/95	8493
10	BH-4-5'	49		08/25/95	8493
11	BH-4-15'	150		08/25/95	8493
14	BH-5-10'	12		08/25/95	8493
Method Blank		ND		08/25/95	8493
Detection Limit:		10			

Analytical Notes

	Sample	Method Blank
Date Sampled:	08/18/95	N/A
Date Extracted:	08/24/95	08/24/95

Quality Control Data Summary

Method Blank, Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.	Sample I.D.	Spike Amount (mg/kg)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
8493	212716-005	100	96	80-120	124	117	75-125	7	30

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory I.D.: 212666
Client: BLASLAND, BOUCK, & LEE, INC

Matrix: Solid
Method: EPA 418.1

Laboratory I.D.	Sample I.D.	Result (mg/kg)	Analytical Notes	Date Analyzed	QC Batch
1	BH-1-2-2'	9.2		08/23/95	8454
2	BH-2-2-2'	9.4		08/23/95	8454
3	BH-2-25-25'	6.9		08/23/95	8454
4	BH-3-2-2'	170		08/23/95	8454
5	BH-3-25-25'	7.3		08/23/95	8454
7	BH-4-2-2'	320		08/23/95	8454
8	BH-4-25-25'	14		08/23/95	8454
9	BH-5-2-2'	1,500	a	08/23/95	8454
10	BH-5-20-20'	9.2		08/23/95	8454
Method Blank		ND		08/23/95	8454
Detection Limit:		10			

Analytical Notes

a - Result reported from 1: 2 Dilution.

b - RPD out of control due to the non-homogenous nature of the sample. MS/MSD and LCS are within acceptable limits.

	Sample	Method Blank
Date Sampled:	08/18/95	N/A
Date Extracted:	08/22/95	08/22/95

Quality Control Data Summary

Method Blank,Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.	Sample I.D.	Spike Amount (mg/kg)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
8454	212683-009	100	91	80-120	85	117	75-125	b	30

VOLATILE ORGANICS

Client I.D.: BH-3
Laboratory I.D.: 212566-006
Client: BLASLAND, BOUCK, & LEE, INC

Matrix: Liquid
Method: EPA 8240
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	11	10	a	ND	10
Benzene	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
Dibromochloromethane	ND	5		ND	5
1,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	ND	5		ND	5
cis-1,2-Dichloroethene	ND	5		ND	5
trans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
trans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
2-Hexanone	ND	10		ND	10
Methylene chloride	ND	5		ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Styrene	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	ND	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

a - Analyte is a suspected laboratory contaminant.

	Sample	Method Blank
Date Sampled:	08/18/95	N/A
Date Analyzed:	08/24/95	08/24/95

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	105	88-110
Bromofluorobenzene	50	97	86-115
Dibromofluoromethane	50	114	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 8453CHN Sample I.D.: BS/BSD

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	116	80-120	113	100	61-145	12	14
Benzene	25	98	80-120	100	97	76-127	3	11
Trichloroethene	25	97	80-120	96	105	71-120	9	14
Toluene	25	102	80-120	102	112	76-125	9	13
Chlorobenzene	25	95	80-120	94	94	75-130	<1	13

VOLATILE ORGANICS

Client I.D.: BH-5
Laboratory I.D.: 212666-011
Client: BLASLAND, BOUCK & LEE, INC

Matrix: Liquid
Method: EPA 8240
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/L)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	12	10	a	ND	10
Benzene	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
Dibromochloromethane	ND	5		ND	5
1,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	ND	5		ND	5
cis-1,2-Dichloroethene	ND	5		ND	5
trans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
trans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
2-Hexanone	ND	10		ND	10
Methylene chloride	ND	5		ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Styrene	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	ND	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

a - Analyte is a suspected laboratory contaminant.

	Sample	Method Blank
Date Sampled:	08/18/95	N/A
Date Analyzed:	08/24/95	08/24/95

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/L)	Percent Recovery	QC Limits
Toluene-d8	50	93	88-110
Bromofluorobenzene	50	88	86-115
Dibromofluoromethane	50	101	76-114

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 8453CHN Sample I.D.: BS/BSD

Compounds	Spike Amt. (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	116	80-120	113	100	61-145	12	14
Benzene	25	98	80-120	100	97	76-127	3	11
Trichloroethene	25	97	80-120	96	105	71-120	9	14
Toluene	25	102	80-120	102	112	76-125	9	13
Chlorobenzene	25	95	80-120	94	94	75-130	<1	13

VOLATILE ORGANICS

Client I.D.: BH-1-2-2'
Laboratory I.D.: 212656-001
Client: BLASLAND, BOUCK, & LEE, INC

Matrix: Solid
Method: EPA 8240
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/Kg)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
Dibromochloromethane	ND	5		ND	5
1,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	ND	5		ND	5
cis-1,2-Dichloroethene	ND	5		ND	5
trans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
trans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
2-Hexanone	ND	10		ND	10
Methylene chloride	ND	5		ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Styrene	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	ND	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

	Sample	Method Blank
Date Sampled:	08/18/95	N/A
Date Analyzed:	08/23/95	08/22/95

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/Kg)	Percent Recovery	QC Limits
Toluene-d8	50	91	84-138
Bromofluorobenzene	50	76	59-113
Dibromofluoromethane	50	84	70-121

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 8448OHL Sample I.D.: 212623-001

Compounds	Spike Amt. (ug/Kg)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	80	80-120	84	86	59-172	2	22
Benzene	25	91	80-120	94	98	66-142	4	21
Trichloroethene	25	85	80-120	93	93	62-137	<1	24
Toluene	25	90	80-120	93	99	59-139	6	21
Chlorobenzene	25	99	80-120	102	104	60-133	2	21

VOLATILE ORGANICS

Client I.D.: SH-2-2-Z
Laboratory I.D.: 212666-002
Client: BLASLAND, BOUCK, & LEE, INC

Matrix: Solid
Method: EPA 8240
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/Kg)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
Dibromochloromethane	ND	5		ND	5
1,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	ND	5		ND	5
cis-1,2-Dichloroethene	ND	5		ND	5
trans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
trans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
2-Hexanone	ND	10		ND	10
Methylene chloride	ND	5		ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Styrene	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	ND	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

	Sample	Method Blank
Date Sampled:	08/18/95	N/A
Date Analyzed:	08/23/95	08/22/95

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/Kg)	Percent Recovery	QC Limits
Toluene-d8	50	88	84-138
Bromofluorobenzene	50	69	59-113
Dibromofluoromethane	50	85	70-121

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 8448XHL Sample I.D.: 212623-001

Compounds	Spike Amt. (ug/Kg)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	80	80-120	84	96	59-172	2	22
Benzene	25	91	80-120	94	98	66-142	4	21
Trichloroethene	25	85	80-120	93	93	62-137	<1	24
Toluene	25	90	80-120	93	99	59-139	6	21
Chlorobenzene	25	99	80-120	102	104	60-133	2	21

VOLATILE ORGANICS

Client I.D.: BH-2-25-25'
Laboratory I.D.: 212666-003
Client: BLASLAND, BOUCK, & LEE, INC

Matrix: Solid
Method: EPA 8240
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/Kg)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
Dibromochloromethane	ND	5		ND	5
1,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	ND	5		ND	5
cis-1,2-Dichloroethene	ND	5		ND	5
trans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
trans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
2-Hexanone	ND	10		ND	10
Methylene chloride	ND	5		ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Styrene	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	ND	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

	Sample	Method Blank
Date Sampled:	08/18/95	N/A
Date Analyzed:	08/23/95	08/22/95

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/Kg)	Percent Recovery	QC Limits
Toluene-d8	50	95	84-138
Bromofluorobenzene	50	82	59-113
Dibromofluoromethane	50	87	70-121

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 8448XHL Sample I.D.: 212523-001

Compounds	Spike Amt. (ug/Kg)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	80	80-120	84	86	59-172	2	22
Benzene	25	91	80-120	94	98	66-142	4	21
Trichloroethene	25	85	80-120	93	93	62-137	<1	24
Toluene	25	90	80-120	93	99	59-139	6	21
Chlorobenzene	25	99	80-120	102	104	60-133	2	21

VOLATILE ORGANICS

Client I.D.: BH-3-2-2'
Laboratory I.D.: 212666-004
Client: BLASLAND, BOUCK, & LEE, INC

Matrix: Solid
Method: EPA 8240
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/Kg)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
Dibromochloromethane	ND	5		ND	5
1,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	ND	5		ND	5
cis-1,2-Dichloroethene	ND	5		ND	5
trans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
trans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
2-Hexanone	ND	10		ND	10
Methylene chloride	ND	5		ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Styrene	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	ND	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

	Sample	Method Blank
Date Sampled:	08/18/95	N/A
Date Analyzed:	08/23/95	08/23/95

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/Kg)	Percent Recovery	QC Limits
Toluene-d8	50	93	84-138
Bromofluorobenzene	50	85	59-113
Dibromofluoromethane	50	91	70-121

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 8448AHM Sample I.D.: 212623-001

Compounds	Spike Amt. (ug/Kg)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	80	80-120	84	86	59-172	2	22
Benzene	25	88	80-120	94	98	66-142	4	21
Trichloroethene	25	88	80-120	93	93	62-137	<1	24
Toluene	25	91	80-120	93	99	59-139	8	21
Chlorobenzene	25	98	80-120	102	104	60-133	2	21

VOLATILE ORGANICS

Client I.D.: BH-3-25-25'
Laboratory I.D.: 212666-005
Client: BLASLAND, BOUCK, & LEE, INC

Matrix: Solid
Method: EPA 8240
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/Kg)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
Dibromochloromethane	ND	5		ND	5
1,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	ND	5		ND	5
cis-1,2-Dichloroethene	ND	5		ND	5
trans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
trans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
2-Hexanone	ND	10		ND	10
Methylene chloride	ND	5		ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Styrene	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	ND	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

	Sample	Method Blank
Date Sampled:	08/18/95	N/A
Date Analyzed:	08/23/95	08/22/95

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/Kg)	Percent Recovery	QC Limits
Toluene-d8	50	92	84-138
Bromofluorobenzene	50	78	59-113
Dibromofluoromethane	50	88	70-121

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 8448XHL Sample I.D.: 212623-001

Compounds	Spike Amt. (ug/Kg)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	80	80-120	84	86	59-172	2	22
Benzene	25	91	80-120	94	98	66-142	4	21
Trichloroethene	25	85	80-120	93	93	62-137	<1	24
Toluene	25	90	80-120	93	99	59-139	6	21
Chlorobenzene	25	99	80-120	102	104	60-133	2	21

VOLATILE ORGANICS

Client I.D.: BH-4-2-2'
Laboratory I.D.: 212566-007
Client: BLASLAND, BOUCK, & LEE, INC

Matrix: Solid
Method: EPA 8240
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/Kg)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
Dibromochloromethane	ND	5		ND	5
1,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	ND	5		ND	5
cis-1,2-Dichloroethene	ND	5		ND	5
trans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
trans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	15	5		ND	5
Freon 113	ND	5		ND	5
2-Hexanone	ND	10		ND	10
Methylene chloride	ND	5		ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Styrene	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	ND	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	69	5		ND	5
o-Xylene	22	5		ND	5

Analytical Notes

	Sample	Method Blank
Date Sampled:	08/18/95	N/A
Date Analyzed:	08/23/95	08/22/95

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/Kg)	Percent Recovery	QC Limits
Toluene-d8	50	91	84-138
Bromofluorobenzene	50	62	59-113
Dibromofluoromethane	50	84	70-121

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 8448XHL Sample I.D.: 212623-001

Compounds	Spike Amt. (ug/Kg)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	80	80-120	84	86	59-172	2	22
Benzene	25	91	80-120	94	98	66-142	4	21
Trichloroethene	25	85	80-120	93	93	62-137	<1	24
Toluene	25	90	80-120	93	99	59-139	6	21
Chlorobenzene	25	99	80-120	102	104	60-133	2	21

VOLATILE ORGANICS

Client I.D.: BH-4-25-25'
Laboratory I.D.: 212666-008
Client: BLASLAND, BOUCK, & LEE, INC

Matrix: Solid
Method: EPA 8240
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/Kg)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
Dibromochloromethane	ND	5		ND	5
1,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	ND	5		ND	5
cis-1,2-Dichloroethene	ND	5		ND	5
trans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
trans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
2-Hexanone	ND	10		ND	10
Methylene chloride	ND	5		ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Styrene	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	ND	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

	Sample	Method Blank
Date Sampled:	08/18/95	N/A
Date Analyzed:	08/23/95	08/22/95

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/Kg)	Percent Recovery	QC Limits
Toluene-d8	50	91	84-138
Bromofluorobenzene	50	72	59-113
Dibromofluoromethane	50	85	70-121

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 8448XHL Sample I.D.: 212623-001

Compounds	Spike Amt. (ug/Kg)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limits
1,1-Dichloroethene	25	80	80-120	84	96	59-172	2	22
Benzene	25	91	80-120	94	98	66-142	4	21
Trichloroethene	25	85	80-120	93	93	62-137	<1	24
Toluene	25	90	80-120	93	99	59-139	6	21
Chlorobenzene	25	99	80-120	102	104	60-133	2	21

VOLATILE ORGANICS

Client I.D.: BH-S-2-Z
Laboratory I.D.: 212666-009
Client: BLASLAND, BOUCK, & LEE, INC

Matrix: Solid
Method: EPA 8240
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/Kg)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
Dibromochloromethane	ND	5		ND	5
1,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	ND	5		ND	5
cis-1,2-Dichloroethene	ND	5		ND	5
trans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
trans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
2-Hexanone	ND	10		ND	10
Methylene chloride	ND	5		ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Styrene	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	ND	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

	Sample	Method Blank
Date Sampled:	08/18/95	N/A
Date Analyzed:	09/23/95	08/22/95

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/Kg)	Percent Recovery	QC Limits
Toluene-d8	50	93	84-138
Bromofluorobenzene	50	61	59-113
Dibromofluoromethane	50	83	70-121

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 8443OHL Sample I.D.: 212623-001

Compounds	Spike Amt. (ug/Kg)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Lim
1,1-Dichloroethene	25	80	80-120	84	86	59-172	2	
Benzene	25	91	80-120	94	98	66-142	4	
Trichloroethene	25	85	80-120	93	93	62-137	<1	
Toluene	25	90	80-120	93	99	59-139	6	
Chlorobenzene	25	99	80-120	102	104	60-133	2	

VOLATILE ORGANI

Client I.D.: BH-S-20-20'
Laboratory I.D.: 212666-010
Client: BLASLAND, BOUCK, & LEE, INC

Matrix: Solid
Method: EPA 8240
Extraction: EPA 5030 Purge & Trap

Compound	Result (ug/Kg)	Detection Limit	Analytical Notes	Method Blank	Detection Limit
Acetone	ND	10		ND	10
Benzene	ND	5		ND	5
Bromodichloromethane	ND	5		ND	5
Bromoform	ND	5		ND	5
Bromomethane	ND	10		ND	10
2-Butanone	ND	10		ND	10
Carbon disulfide	ND	5		ND	5
Carbon tetrachloride	ND	5		ND	5
Chlorobenzene	ND	5		ND	5
Chloroethane	ND	10		ND	10
Chloroform	ND	5		ND	5
Chloromethane	ND	10		ND	10
Dibromochloromethane	ND	5		ND	5
1,1-Dichloroethane	ND	5		ND	5
1,2-Dichloroethane	ND	5		ND	5
1,1-Dichloroethene	ND	5		ND	5
cis-1,2-Dichloroethene	ND	5		ND	5
trans-1,2-Dichloroethene	ND	5		ND	5
1,2-Dichloropropane	ND	5		ND	5
cis-1,3-Dichloropropene	ND	5		ND	5
trans-1,3-Dichloropropene	ND	5		ND	5
Ethylbenzene	ND	5		ND	5
Freon 113	ND	5		ND	5
2-Hexanone	ND	10		ND	10
Methylene chloride	6	5	a	ND	5
4-Methyl-2-pentanone	ND	10		ND	10
Styrene	ND	5		ND	5
1,1,2,2-Tetrachloroethane	ND	5		ND	5
Tetrachloroethene	ND	5		ND	5
Toluene	ND	5		ND	5
1,1,1-Trichloroethane	ND	5		ND	5
1,1,2-Trichloroethane	ND	5		ND	5
Trichloroethene	ND	5		ND	5
Trichlorofluoromethane	ND	5		ND	5
Vinyl acetate	ND	10		ND	10
Vinyl chloride	ND	10		ND	10
m,p-Xylenes	ND	5		ND	5
o-Xylene	ND	5		ND	5

Analytical Notes

a- Compound is suspected lab contamination.

	Sample	Method Blank
Date Sampled:	08/18/95	N/A
Date Analyzed:	08/23/95	08/23/95

Quality Control Data Summary

Surrogate Recovery Data

Compound	Spike Amount (ug/Kg)	Percent Recovery	QC Limits
Toluene-d8	50	96	84-138
Bromofluorobenzene	50	100	59-113
Dibromofluoromethane	50	94	70-121

Laboratory Control Sample, Matrix Spike/Matrix Spike Duplicate Data

Batch I.D.: 8448AHM Sample I.D.: 212623-001

Compounds	Spike Amt. (ug/Kg)	LCS %Rec.	QC Limits	Spike %Rec.	Spk Dup %Rec.	QC Limits	RPD	QC Limit
1,1-Dichloroethene	25	80	80-120	84	86	59-172	2	2
Benzene	25	86	80-120	94	98	66-142	4	2
Trichloroethene	25	88	80-120	93	93	62-137	<1	2
Toluene	25	91	80-120	93	99	59-139	6	2
Chlorobenzene	25	98	80-120	102	104	60-133	2	2

METALS - CCR TITLE 26 LIST

Client I.D.: BH-1-2-Z
Laboratory I.D.: 212666-001
Client: BLASLAND, BOUCK, & LEE, INC

Matrix: Solid
Method: EPA 6010 & EPA 7000
Digestion: EPA 3050

Metal	Result (mg/kg)	Detection Limit (mg/kg)	Analytical Notes	Data Run	Method Blank (mg/kg)	Detection Limit (mg/kg)	STLC Limit (mg/L)	TTLC Limit (mg/kg)	EPA Method
Antimony	ND	1.0		08/22/95	ND	1.0	15	500	6010
Arsenic	0.93	0.50		08/22/95	ND	0.50	5	500	6010
Barium	59	1.0		08/22/95	ND	1.0	100	10,000	6010
Beryllium	0.21	0.20		08/22/95	ND	0.20	0.75	75	6010
Cadmium	ND	0.50		08/22/95	ND	0.50	1.0	100	6010
Chromium	9.4	1.0		08/22/95	ND	1.0	560	2,500	6010
Cobalt	10	1.8		08/22/95	ND	1.8	80	8,000	6010
Copper	26	1.0		08/22/95	ND	1.0	25	2,500	6010
Lead	1.9	0.30		08/22/95	ND	0.30	5	1,000	6010
Mercury	ND	0.10		08/28/95	ND	0.10	0.2	20	7471
Molybdenum	ND	3.0		08/22/95	ND	3.0	350	3,500	6010
Nickel	5.1	3.2		08/22/95	ND	3.2	20	2,000	6010
Selenium	ND	0.50		08/22/95	ND	0.50	1.0	100	6010
Silver	ND	1.0		08/22/95	ND	1.0	5	500	6010
Thallium	ND	1.0		08/22/95	ND	1.0	7	700	6010
Vanadium	61	1.0		08/22/95	ND	1.0	24	2,400	6010
Zinc	26	1.0		08/22/95	ND	1.0	250	5,000	6010

Analytical Notes

a - MS/MSD recoveries out of limit due to matrix interference.

	Sample	Method Blank
Date Sampled:	08/18	N/A
Date Digested:	08/22	08/2

Laboratory Control Sample, Matrix Spike, Sample Duplicate Data

	Batch I.D.	Sample I.D.	Date Run	Spike Amount (mg/Kg)	LCS % Rec.	QC Limits	Spike % Rec.	QC Limits	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	RPD	QC Lim
Antimony	8452	212680-011	08/23	10	108	80-120	42	-27-119	42	40	5	30
Arsenic	8452	212680-011	08/23	4	96	80-120	88	73-111	88	91	3	30
Barium	8452	212680-011	08/23	200	96	80-120	91	65-114	91	94	3	17
Beryllium	8452	212680-011	08/23	5	98	80-120	93	82-106	93	94	1	22
Cadmium	8452	212680-011	08/23	5	96	80-120	88	43-138	88	89	1	28
Chromium	8452	212680-011	08/23	20	101	80-120	93	56-124	93	94	1	27
Cobalt	8452	212680-011	08/23	50	97	80-120	90	74-109	90	90	<1	19
Copper	8452	212680-011	08/23	25	101	80-120	98	69-113	98	99	1	24
Lead	8452	212680-011	08/23	2	104	80-120	94	50-150	94	87	8	30
Mercury						80-120		50-150				30
Molybdenum	8452	212680-011	08/23	50	99	80-120	96	74-114	96	96	<1	30
Nickel	8452	212680-011	08/23	50	100	80-120	93	76-109	93	95	2	30
Selenium	8452	212680-011	08/23	1	85	80-120	45(a)	71-109	45	42	7	30
Silver	8452	212680-011	08/23	5	97	80-120	92	41-102	92	93	1	30
Thallium	8452	212680-011	08/23	5	89	80-120	76	61-144	76	76	<1	30
Vanadium	8452	212680-011	08/23	50	98	80-120	91	66-113	91	91	<1	18
Zinc	8452	212680-011	08/23	50	103	80-120	88	70-117	88	89	<1	28

METALS - CCR TITLE 26 LIST

Client I.D.: BH-2-2-2'
Laboratory I.D.: 212666-002
Client: BLASLAND, BOUCK, & LEE, INC

Matrix: Solid
Method: EPA 6010 & EPA 7000
Digestion: EPA 3050

Metal	Result (mg/kg)	Detection Limit (mg/kg)	Analytical Notes	Date Run	Method Blank (mg/kg)	Detection Limit (mg/kg)	STLC Limit (mg/L)	TTLC Limit (mg/kg)	EPA Method
Antimony	ND	1.0		08/22/95	ND	1.0	15	500	6010
Arsenic	0.67	0.50		08/22/95	ND	0.50	5	500	6010
Barium	71	1.0		08/22/95	ND	1.0	100	10,000	6010
Beryllium	ND	0.20		08/22/95	ND	0.20	0.75	75	6010
Cadmium	ND	0.50		08/22/95	ND	0.50	1.0	100	6010
Chromium	10	1.0		08/22/95	ND	1.0	560	2,500	6010
Cobalt	5.7	1.8		08/22/95	ND	1.8	80	8,000	6010
Copper	8.4	1.0		08/22/95	ND	1.0	25	2,500	6010
Lead	1.6	0.30		08/22/95	ND	0.30	5	1,000	6010
Mercury	0.16	0.10		08/28/95	ND	0.10	0.2	20	7471
Molybdenum	ND	3.0		08/22/95	ND	3.0	350	3,500	6010
Nickel	3.6	3.2		08/22/95	ND	3.2	20	2,000	6010
Selenium	ND	0.50		08/22/95	ND	0.50	1.0	100	6010
Silver	ND	1.0		08/22/95	ND	1.0	5	500	6010
Thallium	ND	1.0		08/22/95	ND	1.0	7	700	6010
Vanadium	37	1.0		08/22/95	ND	1.0	24	2,400	6010
Zinc	24	1.0		08/22/95	ND	1.0	250	5,000	6010

Analytical Notes

a - MS/MSD recoveries out of limit due to matrix interference.

	Sample	Metho Blank
Date Sampled:	08/18	N/
Date Digested:	08/22	08/

Laboratory Control Sample, Matrix Spike, Sample Duplicate Data

	Batch I.D.	Sample I.D.	Date Run	Spike Amount (mg/Kg)	LCS % Rec.	QC Limits	Spike % Rec.	QC Limits	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	RPD	Q Lim
Antimony	8452	212680-011	08/23	10	106	80-120	42	-27-119	42	40	5	30
Arsenic	8452	212680-011	08/23	4	96	80-120	88	73-111	88	91	3	30
Barium	8452	212680-011	08/23	200	96	80-120	91	66-114	91	94	3	17
Beryllium	8452	212680-011	08/23	5	98	80-120	93	82-106	93	94	1	22
Cadmium	8452	212680-011	08/23	5	96	80-120	88	43-138	88	89	1	28
Chromium	8452	212680-011	08/23	20	101	80-120	93	56-124	93	94	1	27
Cobalt	8452	212680-011	08/23	50	97	80-120	90	74-109	90	90	<1	19
Copper	8452	212680-011	08/23	25	101	80-120	98	69-113	98	99	1	24
Lead	8452	212680-011	08/23	2	104	80-120	94	50-150	94	87	8	30
Mercury						80-120		50-150				30
Molybdenum	8452	212680-011	08/23	50	99	80-120	96	74-114	96	96	<1	30
Nickel	8452	212680-011	08/23	50	100	80-120	93	76-109	93	95	2	30
Selenium	8452	212680-011	08/23	1	85	80-120	45(a)	71-109	45	42	7	30
Silver	8452	212680-011	08/23	5	97	80-120	92	41-102	92	93	1	30
Thallium	8452	212680-011	08/23	5	89	80-120	76	61-144	76	76	<1	30
Vanadium	8452	212680-011	08/23	50	98	80-120	91	66-113	91	91	<1	18
Zinc	8452	212680-011	08/23	50	103	80-120	88	70-117	88	89	<1	28

METALS - CCR TITLE 26 LIST

Client I.D.: BH-3-2-Z
Laboratory I.D.: 212666-004
Client: BLASLAND, BOUCK & LEE, INC

Matrix: Solid
Method: EPA 6010 & EPA 7000
Digestion: EPA 3050

Metal	Result (mg/kg)	Detection Limit (mg/kg)	Analytical Notes	Date Run	Method Blank (mg/kg)	Detection Limit (mg/kg)	STLC Limit (mg/L)	TTLC Limit (mg/kg)	EPA Method
Antimony	2.7	1.0		08/22/95	ND	1.0	15	500	6010
Arsenic	6.6	0.50		08/22/95	ND	0.50	5	500	6010
Barium	68	1.0		08/22/95	ND	1.0	100	10,000	6010
Beryllium	ND	0.20		08/22/95	ND	0.20	0.75	75	6010
Cadmium	ND	0.50		08/22/95	ND	0.50	1.0	100	6010
Chromium	15	1.0		08/22/95	ND	1.0	560	2,500	6010
Cobalt	7.8	1.8		08/22/95	ND	1.8	80	8,000	6010
Copper	75	1.0		08/22/95	ND	1.0	25	2,500	6010
Lead	23	0.30		08/22/95	ND	0.30	5	1,000	6010
Mercury	ND	0.10		08/28/95	ND	0.10	0.2	20	7471
Molybdenum	16	3.0		08/22/95	ND	3.0	350	3,500	6010
Nickel	15	3.2		08/22/95	ND	3.2	20	2,000	6010
Selenium	ND	0.50		08/22/95	ND	0.50	1.0	100	6010
Silver	ND	1.0		08/22/95	ND	1.0	5	500	6010
Thallium	ND	1.0		08/22/95	ND	1.0	7	700	6010
Vanadium	26	1.0		08/22/95	ND	1.0	24	2,400	6010
Zinc	400	1.0		08/22/95	ND	1.0	250	5,000	6010

Analytical Notes

a - MS/MSD recoveries out of limit due to matrix interference.

	Sample	Method Blank
Date Sampled:	08/18	N/A
Date Digested:	08/22	08/22

Laboratory Control Sample, Matrix Spike, Sample Duplicate Data

	Batch I.D.	Sample I.D.	Date Run	Spike Amount (mg/Kg)	LCS % Rec.	QC Limits	Spike % Rec.	QC Limits	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	RPD	QC Limit
Antimony	8452	212680-011	08/23	10	106	80-120	42	-27-119	42	40	5	30
Arsenic	8452	212680-011	08/23	4	96	80-120	88	73-111	88	91	3	30
Barium	8452	212680-011	08/23	200	96	80-120	91	66-114	91	94	3	17
Beryllium	8452	212680-011	08/23	5	98	80-120	93	82-106	93	94	1	22
Cadmium	8452	212680-011	08/23	5	96	80-120	88	43-138	88	89	1	28
Chromium	8452	212680-011	08/23	20	101	80-120	93	56-124	93	94	1	27
Cobalt	8452	212680-011	08/23	50	97	80-120	90	74-109	90	90	<1	19
Copper	8452	212680-011	08/23	25	101	80-120	98	69-113	98	99	1	24
Lead	8452	212680-011	08/23	2	104	80-120	94	50-150	94	87	8	30
Mercury						80-120		50-150				30
Molybdenum	8452	212680-011	08/23	50	99	80-120	96	74-114	96	96	<1	30
Nickel	8452	212680-011	08/23	50	100	80-120	93	76-109	93	95	2	30
Selenium	8452	212680-011	08/23	1	85	80-120	45(a)	71-109	45	42	7	30
Silver	8452	212680-011	08/23	5	97	80-120	92	41-102	92	93	1	30
Thallium	8452	212680-011	08/23	5	89	80-120	76	61-144	76	76	<1	30
Vanadium	8452	212680-011	08/23	50	98	80-120	91	66-113	91	91	<1	18
Zinc	8452	212680-011	08/23	50	103	80-120	88	70-117	88	89	<1	28

METALS - CCR TITLE 26 LIST

Client I.D.: BH-4-2-Z
Laboratory I.D.: 212666-007
Client: BLASLAND, BOUCK, & LEE, INC

Matrix: Solid
Method: EPA 6010 & EPA 7000
Digestion: EPA 3050

Metal	Result (mg/kg)	Detection Limit (mg/kg)	Analytical Notes	Date Run	Method Blank (mg/kg)	Detection Limit (mg/kg)	STLC Limit (mg/L)	TTLC Limit (mg/kg)	EPA Method
Antimony	ND	1.0		08/22/95	ND	1.0	15	500	6010
Arsenic	3.6	0.50		08/22/95	ND	0.50	5	500	6010
Barium	140	1.0		08/22/95	ND	1.0	100	10,000	6010
Beryllium	ND	0.20		08/22/95	ND	0.20	0.75	75	6010
Cadmium	ND	0.50		08/22/95	ND	0.50	1.0	100	6010
Chromium	4	1.0		08/22/95	ND	1.0	560	2,500	6010
Cobalt	2.7	1.8		08/22/95	ND	1.8	80	8,000	6010
Copper	10	1.0		08/22/95	ND	1.0	25	2,500	6010
Lead	10	0.30		08/22/95	ND	0.30	5	1,000	6010
Mercury	ND	0.10		08/28/95	ND	0.10	0.2	20	7471
Molybdenum	ND	3.0		08/22/95	ND	3.0	350	3,500	6010
Nickel	ND	3.2		08/22/95	ND	3.2	20	2,000	6010
Selenium	ND	0.50		08/22/95	ND	0.50	1.0	100	6010
Silver	ND	1.0		08/22/95	ND	1.0	5	500	6010
Thallium	ND	1.0		08/22/95	ND	1.0	7	700	6010
Vanadium	21	1.0		08/22/95	ND	1.0	24	2,400	6010
Zinc	23	1.0		08/22/95	ND	1.0	250	5,000	6010

Analytical Notes

a - MS/MSD recoveries out of limit due to matrix interference.

	Sample	Method Blank
Date Sampled:	08/18	N/A
Date Digested:	08/22	08/22

Laboratory Control Sample, Matrix Spike, Sample Duplicate Data

	Batch I.D.	Sample I.D.	Date Run	Spike Amount (mg/Kg)	LCS % Rec.	QC Limits	Spike % Rec.	QC Limits	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	RPD	QC Limit
Antimony	8452	212680-011	08/23	10	106	80-120	42	-27-119	42	40	5	30
Arsenic	8452	212680-011	08/23	4	96	80-120	88	73-111	88	91	3	30
Barium	8452	212680-011	08/23	200	96	80-120	91	66-114	91	94	3	17
Beryllium	8452	212680-011	08/23	5	98	80-120	93	82-106	93	94	1	22
Cadmium	8452	212680-011	08/23	5	96	80-120	88	43-138	88	89	1	28
Chromium	8452	212680-011	08/23	20	101	80-120	93	56-124	93	94	1	27
Cobalt	8452	212680-011	08/23	50	97	80-120	90	74-109	90	90	<1	19
Copper	8452	212680-011	08/23	25	101	80-120	98	69-113	98	99	1	24
Lead	8452	212680-011	08/23	2	104	80-120	94	50-150	94	87	6	30
Mercury						80-120		50-150				30
Molybdenum	8452	212680-011	08/23	50	99	80-120	96	74-114	96	96	<1	30
Nickel	8452	212680-011	08/23	50	100	80-120	93	76-109	93	95	2	30
Selenium	8452	212680-011	08/23	1	85	80-120	45(a)	71-109	45	42	7	30
Silver	8452	212680-011	08/23	5	97	80-120	92	41-102	92	93	1	30
Thallium	8452	212680-011	08/23	5	89	80-120	76	61-144	76	76	<1	30
Vanadium	8452	212680-011	08/23	50	98	80-120	91	66-113	91	91	<1	18
Zinc	8452	212680-011	08/23	50	103	80-120	88	70-117	88	89	<1	28

METALS - CCR TITLE 26 LIST

Client I.D.: SH-S-2-2'
Laboratory I.D.: 212686-009
Client: BLASLAND, BOUCK, & LEE, INC

Matrix Solid
Method: EPA 6010 & EPA 7000
Digestion: EPA 3050

Metal	Result (mg/kg)	Detection Limit (mg/kg)	Analytical Notes	Date Run	Method Blank (mg/kg)	Detection Limit (mg/kg)	STLC Limit (mg/L)	TTLC Limit (mg/kg)	EPA Method
Antimony	6.1	1.0		08/22/95	ND	1.0	15	500	6010
Arsenic	14	0.50		08/22/95	ND	0.50	5	500	6010
Barium	110	1.0		08/22/95	ND	1.0	100	10,000	6010
Beryllium	0.28	0.20		08/22/95	ND	0.20	0.75	75	6010
Cadmium	ND	0.50		08/22/95	ND	0.50	1.0	100	6010
Chromium	32	1.0		08/22/95	ND	1.0	560	2,500	6010
Cobalt	12	1.8		08/22/95	ND	1.8	80	8,000	6010
Copper	160	1.0		08/22/95	ND	1.0	25	2,500	6010
Lead	50	0.30		08/22/95	ND	0.30	5	1,000	6010
Mercury	ND	0.10		08/28/95	ND	0.10	0.2	20	7471
Molybdenum	38	3.0		08/22/95	ND	3.0	350	3,500	6010
Nickel	28	3.2		08/22/95	ND	3.2	20	2,000	6010
Selenium	ND	0.50		08/22/95	ND	0.50	1.0	100	6010
Silver	ND	1.0		08/22/95	ND	1.0	5	500	6010
Thallium	ND	1.0		08/22/95	ND	1.0	7	700	6010
Vanadium	43	1.0		08/22/95	ND	1.0	24	2,400	6010
Zinc	540	1.0		08/22/95	ND	1.0	250	5,000	6010

Analytical Notes

a - MS/MSD recoveries out of limit due to matrix interference.

	Sample	Method Blank
Date Sampled:	08/18	N/A
Date Digested:	08/22	08/22

Laboratory Control Sample, Matrix Spike, Sample Duplicate Data

	Batch I.D.	Sample I.D.	Date Run	Spike Amount (mg/Kg)	LCS % Rec.	QC Limits	Spike % Rec.	QC Limits	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	RPD	QC Limit
Antimony	8452	212680-011	08/23	10	106	80-120	42	-27-119	42	40	5	30
Arsenic	8452	212680-011	08/23	4	96	80-120	88	73-111	88	91	3	30
Barium	8452	212680-011	08/23	200	96	80-120	91	68-114	91	94	3	17
Beryllium	8452	212680-011	08/23	5	98	80-120	93	82-106	93	94	1	22
Cadmium	8452	212680-011	08/23	5	96	80-120	88	43-138	88	89	1	28
Chromium	8452	212680-011	08/23	20	101	80-120	93	56-124	93	94	1	27
Cobalt	8452	212680-011	08/23	50	97	80-120	90	74-109	90	90	<1	19
Copper	8452	212680-011	08/23	25	101	80-120	98	69-113	98	99	1	24
Lead	8452	212680-011	08/23	2	104	80-120	94	50-150	94	87	8	30
Mercury						80-120		50-150				30
Molybdenum	8452	212680-011	08/23	50	99	80-120	96	74-114	96	96	<1	30
Nickel	8452	212680-011	08/23	50	100	80-120	93	76-109	93	95	2	30
Selenium	8452	212680-011	08/23	1	85	80-120	45(a)	71-109	45	42	7	30
Silver	8452	212680-011	08/23	5	97	80-120	92	41-102	92	93	1	30
Thallium	8452	212680-011	08/23	5	69	80-120	76	61-144	76	76	<1	30
Vanadium	8452	212680-011	08/23	50	98	80-120	91	66-113	91	91	<1	18
Zinc	8452	212680-011	08/23	50	103	80-120	88	70-117	88	89	<1	28

METALS - LEAD

Laboratory I.D.: 212666
Client: BLASLAND, BOUCK, & LEE, INC

Matrix: Liquid
Method: EPA 6010

Laboratory I.D.	Sample I.D.	Result (ug/L)	Analytical Notes	Date Analyzed	QC Batch
9	BH-5-2'	1,200		08/28/95	8521
Method Blank		ND		08/28/95	8521
Detection Limit:		30			

Analytical Notes

	Sample	Method Blank
Date Sampled:	08/16	N/A
Date Digested:	08/28	08/28

Quality Control Data Summary

Laboratory Control Sample, Matrix Spike, Sample Duplicate Data

Batch I.D.	Sample I.D.	Spike Amount (ug/L)	LCS %Rec.	QC Limits	Spike %Rec.	QC Limits	Sample Result (ug/L)	Duplicate Result (ug/L)	RPD	QC Limits
8521	212701-001	500	2380	80-120		50-150	14070	12590	11	30

Since 1878

SHEET ____ OF ____

Curtis & Tompkins, Ltd. General Analytical Laboratories

2495 Da Vinci, Irvine, CA 92714 Phone (714)252-9700 Fax (714)252-9701

CHAIN-OF-CUSTODY RECORD

ct LAB# 212666

Sample ID	Depth	Date	Time	Sample Type	Container Type	Total Number Of Containers	601/8010	602/8020	BTEX	8015 (TVH)	8015 (TEH)	418.1	413.1	413.2	608/8080	PCB'S Only	624/8240	625/8270	TITLE 26 Metals	RCRA Metals	Wet Extraction-Pb	TCLP Extraction	ZHE Extraction	8260
BH-1-2	2'			SOIL		1						X				X		X						
BH-2-2	2'					1						X				X		X						
BH-2-25	25'					1						X				X								
BH-3-2	2'					1						X				X		X						
BH-3-25	25'					1						X				X								
BH-3				WATER		6										X								
BH-4-2	2'			SOIL		1						X				X		X						
BH-4-25	25'					1						X				X								
BH-5-2	2'					1						X				X		X		X				
BH-5-20	20'					1						X				X								
BH-5				WATER		5										X								

Field Notes: 3 NEED RESULTS ON WED. 8/23

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
[signature]	8/18 1300	[signature]	8/18/95 1:30
Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time

LABORATORY NOTES:

DATE DATA NEEDED BY:

All samples will be disposed of 30 days after invoice unless specified on chain of custody - write "archive for ____ days" by any sample to be archived.

$5 / sample / month will be charged

SEND ANALYTICAL REPORT TO: GEORGE THOMAS

COMPANY: BLASLAND, BOUCK AND LEE

ADDRESS: _____

CITY: _____ STATE: ____ ZIP CODE: ____

PHONE NUMBER: 453 0530 FAX NUMBER: 453-1830

PROJECT MANAGER: _____

CLIENT JOB I.D.: 30731.02

CLIENT P.O. NO.: _____ C&T QUOTE NO.: _____

SAMPLING LOCATION: SANTEE

COLLECTOR: JIM SATERFIELD

Form # COC02



KATEMA PROCESS EQUIPMENT

PHASE I & II

ENVIRONMENTAL ASSESSMENT REPORT

J.A. Curtis, REA
Baker Hughes Safety, Health & Environmental Department
Houston, Texas

June 1996

EXECUTIVE SUMMARY

In the spring of 1996, the Baker Hughes Health, Safety and Environmental Department performed a Phase I Environmental Assessment on Katema Process Equipment Division of Katema, Inc. located at 9465, 9484 and 9489 Mission Park Place, Santee, California. Additionally, a location at 9323 Steven Road was given a cursory review.

Operational review of the corporate, manufacturing, fabrication and warehousing operations on the Mission Park Place location yielded no remarkable or unusual issues. Only a minimal risk of hazardous substances/material environmental impact was evident. Hazardous substance/material handling seemed to be well controlled. Some asbestos containing material (ACM) was noted and it is estimated that the cost of removal, transportation and proper disposal will be in the range of 15K. Likewise, the Steven Road facility which is leased had a minimal risk of environmental impact. Operations at the Stevens Road facility included fabric (filter media) sewing and fabric warehousing. No ACM was noted in the Stevens Road facility.

Historical operations seemed to have minimal impact (if any) on the surrounding environment with respect to both properties.

Database review of the Mission Park Place property yielded a remote exposure to an underground storage tank battery located one-half mile away. These leaking underground storage tanks (USTs) was an investigative target for a planned Phase II environmental assessment. The Phase II Environmental Assessment was negative for any soil or groundwater impacts.

The environmental risk associated with the acquisition of the Mission Park Place property and the assumption of the lease associated with the Stevens Rd. property appears to be minimal.

SITE ASSESSMENT SOIL BORING PROGRAM

In order to collect sufficient data to conduct soil evaluation 5 soil borings were completed to verify and delineate the extent of potential subsurface soil impacts. Based on the workplan soil and groundwater samples were collected and analyzed in an on-site mobile laboratory.

Location SB-1

SB-1 was located in the Northeastern corner of the property. This boring was advanced and terminated at 14' after refusal was encountered at 3 different locations. Therefore no groundwater or soil samples were collected at this location.

Location SB-2

SB-2 was located on the Northwestern side of the property. The boring was advanced to a depth of 34'. A soil sample was collected at 28.5', results for both TPH and BTEX were non-detected above the Practical Quantification Limit (PQL). Groundwater samples for these parameters also fell below the PQL.

Location SB-3

SB-3 was located near the Southwestern property line. The boring was advanced to a depth of 34'. A soil boring was collected at 28.5', results for both TPH and BTEX were not detected above the PQL. Groundwater samples for these parameters were also not detected above the PQL.

Location SB-4

SB-4 was located near the eastern property boundary. This boring was advanced to a depth of 34'. A soil sample was collected at 28.5', results for both TPH and BTEX were not detected above the PQL. Groundwater samples for these parameters were also not detected above the PQL.

Location SB-5

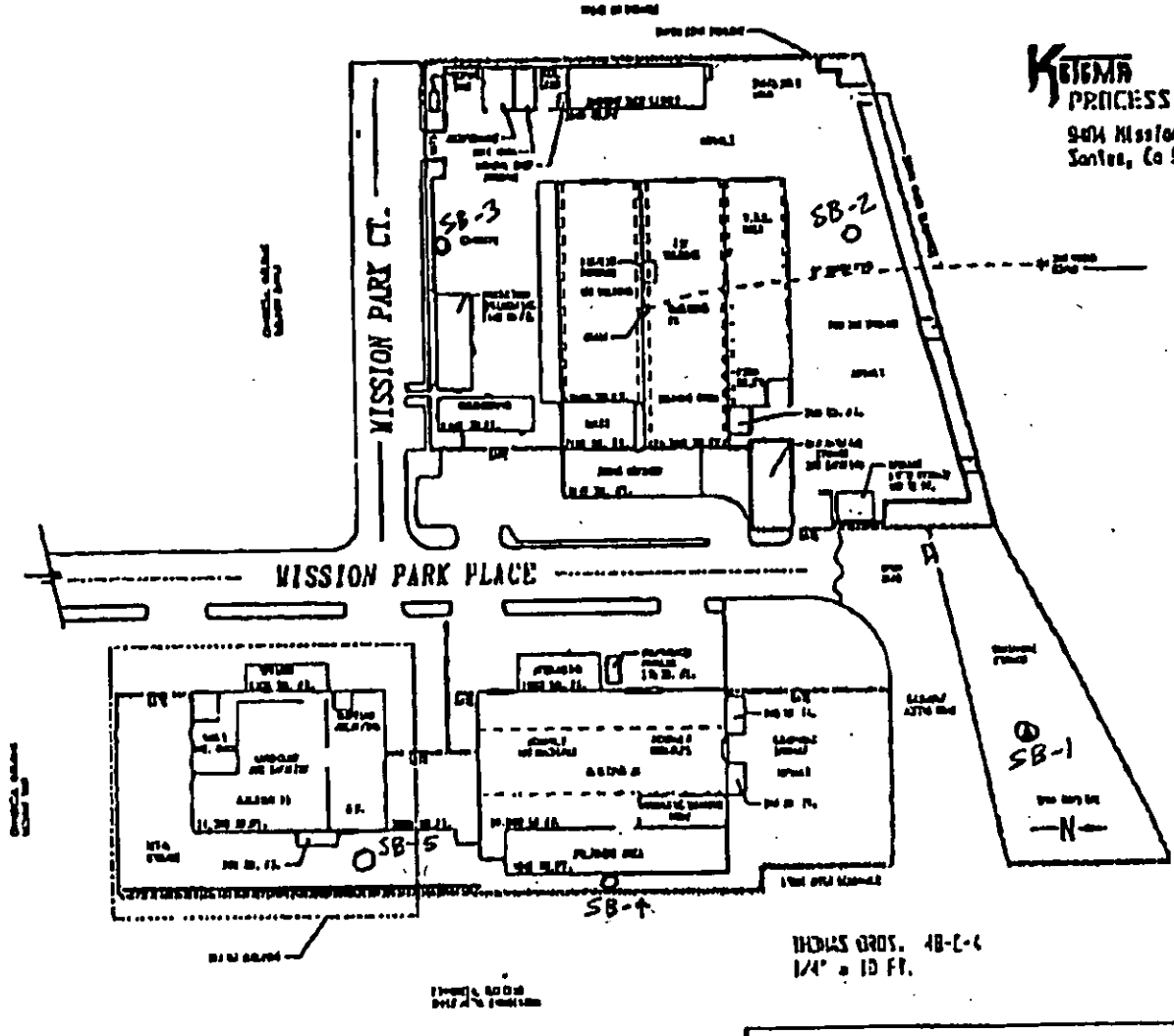
SB-5 located near the Southeastern edge of the property was advanced to a depth of 35'. A soil sample was collected at a depth of 27', results for TPH and BTEX were not detected above the PQL. Groundwater samples for these parameters were also not detected above the PQL.

06/28/98 FRI 12:18 FAX 713 442 1787 PHILIP ENVIRON.

BAKER HUGHES ANALYTICAL SUMMARY

SAMPLE MATRIX: SOIL					
BORING NUMBER	SB-1	SB-2	SB-3	SB-4	SB-5
SAMPLE DEPTH	n/a	28.5ft	28.5ft	28.5ft	27ft
SAMPLE DATE	n/a	6/19/96	6/19/96	6/19/96	5/29/96
[redacted]					
TRPH Results in units of:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Method 418.1	n/a	<10	<10	<10	<10
BTEX Results in units of:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Method 8020					
Benzene	n/a	<0.05	<0.05	<0.05	<0.05
Toulene	n/a	<0.05	<0.05	<0.05	<0.05
Ethyl-benzene	n/a	<0.05	<0.05	<0.05	<0.05
Xylene	n/a	<0.15	<0.15	<0.15	<0.15
[redacted]					
SAMPLE MATRIX: WATER					
SAMPLE DATE	n/a	6/19/96	6/19/96	6/19/96	5/29/96
[redacted]					
TPH 8015 Results in units of:	ug/L	ug/L	ug/L	ug/L	ug/L
Method 418.1	n/a	<500	<500	<500	<500
BTEX Results in units of:	ug/L	ug/L	ug/L	ug/L	ug/L
Method 602					
Benzene	n/a	<0.5	<0.5	<0.5	<0.5
Toulene	n/a	<0.5	<0.5	<0.5	<0.5
Ethyl-benzene	n/a	<0.5	<0.5	<0.5	<0.5
Xylenes	n/a	<1.5	<1.5	<1.5	<1.5

NOTES:
< - Not detected above the Practical Quantitation Limit (PQL).
n/a - Not Analysed
TPH - Total Petroleum Hydrocarbons



KUSTNER
PROCESS EQUIPMENT DIVISION
9414 Mission Park Place
Santee, Ca 92071

Philip Environmental Services Corporation	
BORING LOCATION MAP	
BAKER-HUGHES	Figure 1

Attachments

PHILIP ENVIRONMENTAL

Geologic Field Observations

Borehole # SB-1
Well #
Page 1 of 1

3010 Greens Road
Houston, Texas 77032
(713) 442-1794 FAX (713) 442-1797

Project Name BAKER HUGHES
Project Number 16386 Phase 1002.77
Project Location SANTEE, CA.

Elevation
Borehole Location
GWL Depth N/A
Logged By DARYL LAMB
Drilled By TRANS GLOBAL
Date/Time Started 6.19.96
Date/Time Completed 6.19.96

Well Logged By
Personnel On-Site
Contractors On-Site
Client Personnel On-Site

Drilling Method STRATAPROBE.
Air Monitoring Method

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: NOU BZ	BH	S	Drilling Conditions & Blow Counts
0										
5										
10										
15				REFUSAL @ 14' ROCKS, BOULDERS.						

Comments: NO SAMPLES COLLECTED

Geologist Signature

PHILIP ENVIRONMENTAL

Geologic Field Observations

Borehole # SB-2
Well #
Page 1 of 1

3010 Greens Road
Houston, Texas 77032
(713) 442-1794 FAX (713) 442-1797

Project Name BAKER HUGHES
Project Number 16386 Phase 1002.77
Project Location SANTEE CA

Elevation
Borehole Location
GWL Depth 24.5'
Logged By DARYL LAMB
Drilled By TRANS GLOBAL
Date/Time Started 6.19.96
Date/Time Completed 6.19.96

Well Logged By
Personnel On-Site
Contractors On-Site
Client Personnel On-Site

Drilling Method STRATAPROBE
Air Monitoring Method

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (Inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: NOU BZ	BH	S	Drilling Conditions & Blow Counts
0				SILT, BLACK, LOW PLASTICITY FINES, SOFT, MOIST ABUNDANT MICA NO HC ODOR	ML					
5										
10										
15										
20										
25										
30	SB-2	28-28.5'								
35				BORING TERMINATED @ 34'						

Comments:

Geologist Signature

PHILIP ENVIRONMENTAL

Geologic Field Observations

Borehole # SB-3
Well #
Page 1 of 1

3010 Greens Road
Houston, Texas 77032
(713) 442-1794 FAX (713) 442-1797

Project Name BAKER HUGHES
Project Number 16386 Phase 1002.77
Project Location SANTEE, CA.

Elevation
Borehole Location
GWL Depth 25.5'
Logged By DARYL LAMB
Drilled By TRANSGLOBAL
Date/Time Started 6.19.96
Date/Time Completed 6.19.96

Well Logged By
Personnel On-Site
Contractors On-Site
Client Personnel On-Site

Drilling Method STRATAPROBE
Air Monitoring Method

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: NDU BZ	BH	S	Drilling Conditions & Blow Counts
0										
5										
10										
15				SILT, BLACK. LOW PLASTICITY FINES. SOFT, MOIST MICA. NO HC ODOR	ML					
20										
25										
30	SB-3	28-28.5								
35				BORING TERMINATED @ 34'						

Comments:

Geologist Signature

PHILIP ENVIRONMENTAL

Geologic Field Observations

Borehole # SB-4
Well #
Page 1 of 1

3010 Greens Road
Houston, Texas 77032
(713) 442-1794 FAX (713) 442-1797

Project Name BAKER HUGHES
Project Number 16286 Phase 1002.77
Project Location SANTEE, CA

Elevation
Borehole Location
GWL Depth 24.8'
Logged By DARYL LAMB
Drilled By TRANS GLOBAL
Date/Time Started 6.19.96
Date/Time Completed 6.19.96

Well Logged By
Personnel On-Site
Contractors On-Site
Client Personnel On-Site

Drilling Method STRATAPROBE
Air Monitoring Method

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: PPM BZ	BH	S	Drilling Conditions & Blow Counts
0										
5										
10										
15				SILT, BLACK, LOW PLASTICITY FINES, SOFT, MOIST ABUNDANT MICA NO HC ODOR	ML					
20										
25										
30	SB-5	28-28.5								
35				BORING TERMINATED @ 34'						

Comments:

Geologist Signature

PHILIP ENVIRONMENTAL

Geologic Field Observations

Borehole # SB-5
Well #
Page 1 of 1

3010 Greens Road
Houston, Texas 77032
(713) 442-1784 FAX (713) 442-1797

Project Name BAKER HUGHES
Project Number 16286 Phase 1002.77
Project Location SANTEE, CA.

Elevation
Borehole Location
GWL Depth 30'
Logged By DARYL LAMB
Drilled By TRANS GLOBAL
Date/Time Started 5.29.96
Date/Time Completed 5.29.96

Well Logged By
Personnel On-Site
Contractors On-Site
Client Personnel On-Site

Drilling Method STRATAPROBE
Air Monitoring Method

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: NDU BZ	BH	S	Drilling Conditions & Blow Counts
0										
5										
10										
15				SILT, BLACK, LOW PLASTICITY FINES, SOFT, MOIST ABUNDANT MICA NO HC ODOR	ML					
20										
25										
30	SB-5	26.5-27'								
35				BORING TERMINATED @ 35'						

Comments:

Geologist Signature

Report Summary

Client: Philip Environmental
Project: Baker Hughes
Matrix: soil

Method	TPH gasoline	TPH diesel	TRPH	Benzene	Toluene	Ethyl-benzene	Xylenes
Detection Limit (mg/kg)	10	10	10	0.05	0.05	0.05	0.15
SAMPLE I.D.							
Date Analyzed: 05/29/96							
SB-5 @27'			nd	nd	nd	nd	nd

nd = not found above the detection limit

& = gasoline range organics not identified as gasoline
# = diesel range organics not identified as diesel
* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: C. Dallenbach

PH1RPT

Report Summary

Client: Philip Environmental
Project: Baker Hughes Matrix: water

Method	TPH gasoline	TPH diesel	TRPH	Benzene	Toluene	Ethyl-benzene	Xylenes
Detection Limit (ug/L)	500	500	500	0.5	0.5	0.5	1.5
SAMPLE I.D.							
Date Analyzed: 05/29/96							
SB-5	nd			nd	nd	nd	nd

nd = not found above the detection limit

& = gasoline range organics not identified as gasoline
# = diesel range organics not identified as diesel
* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: C. Dallenbach

PH1RPT

Report Summary

Client: Philip Environmental
Project: Baker Hughes
Matrix: soil

Method	TPH gasoline	TPH diesel	TRPH	Benzene	Toluene	Ethyl-benzene	Xylenes
Detection Limit (mg/kg)	10	10	10	0.05	0.05	0.05	0.15
SAMPLE I.D.							
Date Analyzed: 06/19/96							
SB03 @28.5'			nd	nd	nd	nd	nd
SB02 @28.5'			nd	nd	nd	nd	nd
SB04 @28.5'			nd	nd	nd	nd	nd

nd = not found above the detection limit

& = gasoline range organics not identified as gasoline
# = diesel range organics not identified as diesel
* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: C. Dallenbach

PH2RPT

Report Summary

Client: Philip Environmental
Project: Baker Hughes
Matrix: water

Method	TPH gasoline	TPH diesel	TRPH	Benzene	Toluene	Ethyl-benzene	Xylenes
Detection Limit (ug/L)	500	500	500	0.5	0.5	0.5	1.5
SAMPLE I.D. Date Analyzed: 06/19/96							
SB03 - 061996	nd			nd	nd	nd	nd
SB02 - 061996	nd			nd	nd	nd	nd
SB04 - 061996	nd			nd	nd	nd	nd

nd = not found above the detection limit

& = gasoline range organics not identified as gasoline
# = diesel range organics not identified as diesel
* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: C. Dallenbach

PH2RPT

CHAIN-OF-CUSTODY RECORD

MOBILE/one LABORATORIES INC.

148 So. Vinewood Street, Escondido, CA 92029 (619) 735-3208 FAX (619) 735-2469

MOL: PH1

Date: 5-27-96 Page 1 of 1

Client: Phillip Environmental

Site Address: 9484 Mission Park Place
Santee

Project: Baker Hughes ; * 16386.1004.77

Sampler (signature):

Turnaround Requested:
- [x] Onsite/24-48 hrs.
- [ ] Offsite
- [ ] Other

Analysis Requested

Sample ID	Date	Time	Location	TPHg+d-8015M	TPHg-8015M (P&T)	BTEX-8020	TPHg/BTEX-8015M/8020	TRPH-418.1	8260 (VOC's-8240)	Matrix: Soil (S), Sludge (SL), Aqueous (W)	Number of containers
SB-5 @ 27'	5-29-96	0810				X		X		S	1
SB-5	5-29-96	0954					X			W	2

1. RELINQUISHED BY:	Date:	2. RELINQUISHED BY:	Date:	3. RELINQUISHED BY:	Date:
Signature:*	5-29-96	Signature:*		Signature:*	
Printed Name: KYLE S. FLOYD	Time: 1036	Printed Name:	Time:	Printed Name:	Time:
Company: Phillips		Company:		Company:	
1. RECEIVED BY:	Date:	2. RECEIVED BY:	Date:	3. RECEIVED BY:	Date:
Signature:*	5-29-96	Signature:*		Signature:*	
Printed Name: Chris Dallenbach	Time: 0936	Printed Name:	Time:	Printed Name:	Time:
Company: Mobile One		Company:		Company:	

*Signature constitutes authorization to proceed with analysis and acceptance of conditions on back.

Sample Receipt
Intact: (Yes) No
Seal Intact: Yes No (N/A)
Cold: Yes No (N/A) (Received on site)

Special Instructions

06/28/96 FRI 12:22 FAX 713 442 1787 PHILIP ENVIRON. 016

CHAIN-OF-CUSTODY RECORD

MOBILE ONE LABORATORIES INC.

148 So. Vinewood Street, Escondido, CA 92029 (619) 735-3208 FAX (619) 735-2469

MOL: YH2

Date: June 19, 96 Page 1 of 1

Client: Philip Environmental

Site Address: Ketema Process Equipment
9484 Mission Park Place
Santee, CA

Project: Baker Hughes

Sampler (signature):

Turnaround Requested:
- [x] Onsite/24-48 hrs.
- [ ] Offsite
- [ ] Other

Analysis Requested

Sample ID	Date	Time	Location	TPHg+d-8015M	TPHg-8015M (P&T)	BTEX-8020	TPHg/BTEX-8015M/8020	TRPH-418.1	8260 (VOC's-8240)	Matrix: Soil (S), Sludge (SL), Aqueous (W)	Number of containers
SB3 @ 28.5	6-19-96	1030	SB-3			X		X		S	1
SB03 061996	6-19-96	1047	SB-3				X			W	2
SB2 @ 28.5	6-19-96	1130	SB-2			X		X		S	1
SB02 - 061996	6-19-96	1147	SB-2				X			W	2
SB04 @ 28.5	6-19-96	1325	SB-4			X		X		S	1
SB04 - 061996	6-19-96	1350	SB-4				X			W	2

1. RELINQUISHED BY:	Date:	2. RELINQUISHED BY:	Date:	3. RELINQUISHED BY:	Date:
Signature:*	6/19/96	Signature:*		Signature:*	
Printed Name:	Time:	Printed Name:	Time:	Printed Name:	Time:
Company: PESC	1414	Company:		Company:	
1. RECEIVED BY:	Date:	2. RECEIVED BY:	Date:	3. RECEIVED BY:	Date:
Signature:*	6-19-96	Signature:*		Signature:*	
Printed Name:	Time:	Printed Name:	Time:	Printed Name:	Time:
Company:	1415	Company:		Company:	

*Signature constitutes authorization to proceed with analysis and acceptance of conditions on back.

Sample Receipt
Intact: (Yes) No
Seal Intact: Yes No (N/A)
Cold: Yes No N/A (Received on site)

Special Instructions

06/28/98 FRI 12:22 FAX 713 442 1787 PHILIP ENVIRON. 017

PHILIP ENVIRONMENTAL

Environmental Services Group
Southern Region

June 11, 1996
Project 16386

County of San Diego
Department of Environmental Health
Ms. Helen Dennin
1255 Imperial Avenue, Third Floor
San Diego, California 92101

Subject: **Notification of Site Activities Related to the Initiation of Exploratory Soil Borings at the Kematek Facility**
Located at 9484 Mission Park Place, Santee, California, 92701
County of San Diego
Department of Environmental Health Drilling Permit No. W96046

Dear Ms. Dennin:

In compliance with the notification requirements stated in provision 3.a. of the County of San Diego guidelines for the implementation of drilling activities at the above named property, please be informed that Philip Environmental Services Corporation has scheduled drilling activities described in the Permit Application for Exploratory Test Borings for June 19, 1996.

Sincerely,

PHILIP ENVIRONMENTAL SERVICES CORPORATION

John L. Brothers
Geoscience Group Leader

cc:

Mr. Joe Curtis, Baker Hughes Incorporated, 3900 Essex Lane, Houston, TX 77210-4740
Mr. Frank Russo, Ketemak, 9484 Mission Park Place, Santee, CA 92701

PHILIP ENVIRONMENTAL SERVICES CORPORATION
3010 Greens Road • Houston, TX 77032
(713) 442-1794 • Fax (713) 442-1797

PERMIT # W96046
A.P.N. # 381-070-56
EST # H02097

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

HAZARDOUS MATERIALS MANAGEMENT DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: KETEMA PROCESS EQUITMENT

SITE ADDRESS: 9484 MISSION PARK PLACE, SANTEE, CA 92071

PERMIT FOR: 5 BORINGS

PERMIT APPROVAL DATE: 06/04/96

PERMIT EXPIRES ON: 09/30/96

PERMIT CONDITIONS:

1. All borings must be destroyed in accordance with Department of Water Resources Bulletin 74-81 and 74-90.
2. All wash water must be contained and disposed of properly.
3. Submit complete laboratory data for both soil and groundwater with the well logs.
4. Submit all the information specified in the SA/M Manual in:

   Section 1, C., 4., c).

5. All water and soil that is placed in drums must be labeled and stored as specified in the SA/M Manual in:

   Section 1, C., 5.

6. This office must be given 48 hour notice of any drilling activity on this site. Please contact Helen Dennin at (619)338-2339.
7. This office must be given advanced notification of drilling cancellation. Please contact Helen Dennin at (619)338-2339.

NOTE: This permit does not constitute approval of a workplan as defined in Section 2722 of Article 11 of C.C.R. Title 23. Workplans are required for all unauthorized release investigations in San Diego County.

APPROVED BY: _____ DATE: 6/4/96

Filed: 6/4/96 HO

PERMIT APPLICATION GROUNDWATER AND VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

OFFICE USE ONLY
PERMIT#: W 96046
SAM CASE#: H02097
DATE RECEIVED: 5/28/96
FEE PAID: 750# 1994/1997
BOND POSTED Y/N: NO

A. ASSESSORS PARCEL NUMBER 381-070-56
Site Address 9484 MISSION PARK PLACE City SANTEE, CA Zip 92071

B. PROPERTY OWNER AMETEK INC.
Mailing Address 9484 MISSION PARK PLACE City SANTEE, CA Zip 92071
Property Owner's Authorized Agent _____ Phone _____
Mailing Address 9484 MISSION PARK City SANTEE State CA Zip 92071
Has Property Owner Been Consulted? [X] Yes [ ] No

C. CONSULTANT INFORMATION
Registered Professional (RG RCE CEG) KYLE FLORY, R.G. Registration # 6472 Phone (510) 420-7910
Mailing Address 5901 CHRISTIE AVE, STE 501 (PHILIP ENVIRONMENTAL) City EMERYVILLE State CA Zip 94608

D. DRILLER INFORMATION
Drillers Name TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY CST# 692171 Phone (619) 793-0401
Mailing Address 432 N. CEDROS AVE City SOLANA BEACH State CA Zip 92075

5 Number of wells or borings to be constructed/destroyed

Type of wells or borings:
- [ ] Groundwater
- [ ] Vadose
- [X] Boring
- [ ] Other

DRILLING METHOD
- [ ] Auger
- [ ] Air Rotary
- [ ] Mud Rotary
- [ ] Percussion
- [X] Other

MATERIALS TO BE USED

CASING
Type _____
Gauge _____
Diameter _____
Well Screen Size _____
Filter Pack (Specify) _____

SEAL
- [ ] Neat Cement
- [X] Cement & Bentonite
- [ ] Sand-Cement
- [ ] Bentonite
- [ ] Other

PROPOSED CONSTRUCTION
Estimated ground water depth _____ ft.
CEMENT SEAL _____ to _____
BENTONITE SEAL _____ to _____
FILTER PACK _____ to _____
PERFORATION _____ to _____

NOTE:
For wells with multiple completion attach a well construction diagram

I agree to comply with the requirements of the current Site Assessment Division Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

Chris J. Malicki / CHRIS J. MALICKI, CSEA. SEC'Y 5/23/96
DRILLERS SIGNATURE DATE

Within 30 days of completion, I will furnish the Site Assessment and Mitigation Division with a complete and accurate well/boring log. I will certify the design and construction/or destruction of the well/borings in accordance with the permit application.

Kyle Flory R.G. # 6472 5-23-96
RG/CEG/RCE SIGNATURE DATE

LUCE, FORWARD, HAMILTON & SCRIPPS LLP

ATTORNEYS AT LAW • FOUNDED 1873

JOHN A. MENATTI, SENIOR SCIENTIST
DIRECT DIAL NUMBER (619) 699-2416

RECEIVED
JUN 24 9 26 AM '97
ENVIRONMENTAL
HEALTH SERVICES

June 23, 1997

19425-00005

Mr. Jim Schuck
San Diego County Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

Re: **Ketema Process Equipment Division**
9484 Mission Park Place, Santee, California

Dear Mr. Schuck:

We represent the former owner of the property referenced above and have been advised that the site has been listed as an unauthorized release site by the San Diego County Site Assessment and Mitigation Division (SAM). The apparent reason for this listing is because Total Recoverable Petroleum Hydrocarbons (TRPH by EPA Method 418.1) were detected in soil samples collected by Blasland, Bouck & Lee, Inc. (BBL).

Enclosed is a copy of the report entitled Environmental Site Assessment and Soil and Ground-Water Investigation, Ketema Process Equipment Division, Santee, California dated October 1995 and prepared by BBL for the facility referenced above. This report was received from a law firm representing a prospective purchaser of the property, Danaher Corporation. The copy of the report that we received had some missing pages from the laboratory report and the soil boring logs, therefore, we have enclosed complete copies of these.

BBL concluded that the TRPH detected in the soil samples at the site was asphalt because asphalt was observed in the subsurface soil during drilling. This is documented on the soil boring logs. All other analyses performed on soil and groundwater samples collected from the site indicate that there is no significant contamination.

Please review the enclosed BBL report, laboratory reports, and soil boring logs and if you concur with the finding that there is no significant contamination at this site, we ask that you issue a case closure letter for this site. If you have any questions, please call me at the telephone number above or Mr. Jon Wactor, Esq. at (415) 356-4629.

Sincerely,

John A. Menatti

John A. Menatti
Senior Scientist
Luce, Forward, Hamilton & Scripps LLP

enclosures

cc: Jon Wactor, Esq.

PHASE I
ENVIRONMENTAL SITE ASSESSMENT
MANUFACTURING FACILITY
9484 MISSION PARK PLACE
SANTEE, CALIFORNIA 92071

PREPARED FOR:
Western Construction Components, Inc.
663 Greenfield Drive
El Cajon, California 92021

PREPARED BY:
Ninyo & Moore Geotechnical and Environmental Sciences Consultants
10225 Barnes Canyon Road, Suite A-112
San Diego, California 92121

June 6, 1997
Project No. 103386-01

June 6, 1997
Project No. 103386-01

Mr. George Wilson
Western Construction Components, Inc.
663 Greenfield Drive
El Cajon, California 92021

Subject: Phase I Environmental Site Assessment
Manufacturing Facility
9484 Mission Park Place
Santee, California 92071

Dear Mr. Wilson:

Ninyo & Moore is pleased to present this Phase I Environmental Site Assessment for the property referenced above. Project tasks were performed in general accordance with our proposal and scope of services dated May 2, 1997. We understand that the results of this assessment will be utilized in the evaluation of the property for potential purchase.

We appreciate the opportunity to be of service to Western Construction Components, Inc. on this project. Should you require clarification of our findings, conclusions or recommendations as presented in this report, please contact the undersigned in our San Diego office.

Sincerely,
NINYO & MOORE

Peter D. Clark, R.E.A.
Senior Staff Environmental Geologist

Stephan A. Beck, C.E.G.
Manager, Environmental Sciences Division

PDC/SAB/rlm

Distribution: (4) Addressee

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1. INTRODUCTION

In accordance with your request, Ninyo & Moore has performed a Phase I Environmental Site Assessment (ESA) of the property located at 9484 Mission Park Place in Santee, California (Figure 1). The purpose of this study was to evaluate the property for current and historical use, storage, and disposal of hazardous materials using available data. We understand the results of this assessment will be used in evaluation of the property for potential purchase. Subsurface exploration and laboratory testing of soil, groundwater, surface water or building materials were not included in the scope of this evaluation.

2. SCOPE OF SERVICES

Western Construction Components, Inc. retained Ninyo & Moore to conduct a Phase I ESA of a portion of a manufacturing facility located in Santee, California. The services were conducted in general accordance with Ninyo & Moore's proposal and scope of services dated May 2, 1997, and the work authorization and agreement between Ninyo & Moore and Western Construction Components, Inc. dated May 5, 1997. Ninyo & Moore's scope of services included the following tasks:

- Review of readily available maps and reports pertaining to the subject site.
- Performance of a site reconnaissance to visually identify areas of possibly contaminated surficial soil or surface water, improperly stored hazardous materials, possible sources of PCBs, and possible risks of contamination from activities at the site and adjacent properties.
- Review of readily available local regulatory agency files for the subject site. Requests were made to the County of San Diego Department of Environmental Health, the San Diego Air Pollution Control District, and the City of Santee Fire Department.
- Review of available regulatory agency databases for the site and for properties located within a specified radius of the site. The purpose of this review was to evaluate the possible environmental impact to the subject site. Databases identified locations of known hazardous waste sites, landfills, and leaking underground storage tanks, permitted facilities that utilize underground storage tanks, and facilities that use, store or dispose of hazardous materials.
- Review of readily available historical aerial photographs of the subject site.

- Preparation of a Phase I ESA report documenting findings and providing opinions, conclusions, and recommendations regarding possible environmental impacts at the site.

3. SITE DESCRIPTION

The site located at 9484 Mission Park Place in the City of Santee, California (Figure 1). The site is occupied by Ketema Process Equipment Division and was used as a manufacturing facility. Property improvements at the site consist of a large, rectangular concrete and metal framed building containing three large manufacturing bays and offices located in the approximate center of the site. Two, one-story, wood framed, portable office trailers are located near the southeast portion of the site. A one-story, rectangular, concrete block building is located near the western portion of the property and a small, one-story, wood framed storage building is located near the northeast portion of the property. Additional improvements at the site consist of asphalt paved storage and parking areas, and landscaped areas. A site map is presented as Figure 2.

According the County of San Diego Assessor's office, the property is currently owned by K.T.M. Process Equipment, Inc. and has been assigned the Assessors Parcel No. 381-070-56-00. The parcel is irregular in shape and encompasses approximately 2.73 acres of land. A site parcel map is presented as Figure 3.

The site is bounded to the north by a descending slope and the San Diego River, to the east by Mission Park Place and Ketema Process Equipment buildings (9463 and 9489 Mission Park Place), to the south by Mission Park Court and D.S. Fibertech Corporation, International Thermoproducts Division (11015 Mission Park Place), and to the west by a drive-in movie theater.

4. REVIEW OF AVAILABLE REPORTS

Ninyo & Moore requested Mr. J.A. Curtis, Director of Health, Safety, and Environmental Affairs for Baker Hughes, which is the current property owner (K.T.M. Process Equipment is a division of Baker Hughes), for copies of all environmental assessments conducted on the property.

A report entitled "Phase I Environmental Assessment of Ketema Process Equipment Division at 9463, 9484, 9489 Mission Park Place, 9323 Stevens Road, Santee, California" prepared by Clayton Environmental Consultants, dated January 24, 1994, was provided for our review. The report was prepared for the CIT Group, Inc. The Phase I ESA was conducted on four properties with separate addresses. The summary and recommendations section of the report grouped the properties into two sites; one being 9463, 9484, 9489 Mission Park Place and the other being 9323 Stevens Road. The following summary was made for 9463, 9484, 9489 Mission Park Place, does not differentiate between each address on Mission Park Place in the report:

"During the site investigation, Clayton observed the following primary environmental concerns:

- Chemical wastes, primarily waste oil, and waste solvents generated at the facility are collected in 55-gallon drums on the site. These drums were stored in an area with secondary containment. According to Mr. Rousseau, the chemical wastes generated at the site are transported and disposed by Safety Kleen Corporation.

- Clayton observed the following suspect asbestos containing building materials (ACBM):
  - Wallboard
  - Ceiling tiles (approximately 6,600 square feet)
  - Floor tiles (approximately 600 square feet)

At the time of the visit these materials appeared to be in fair to good condition.

- The sanitary waste water generated at the subject site is discharged directly into the city sanitary sewer. According to Mr. Rousseau, a discharge permit has been issued to the site by the sanitary sewer district.

- Ketema Process Equipment Division is listed in Facility Index System (FINDS) as a small quantity chemical waste generator under Resource conservation and Recovery Act (RCRA).

- The EDR report indicates that the previous owner, AMETEK, Inc., is listed by Environmental Protection Agency (EPA) as a Potentially Responsible Party (PRP) at the subject site.

- Clayton did not observe any underground storage tanks (USTs) or sumps at the subject site.

- Clayton did not observe any aboveground storage tanks (ASTs) at the subject site.

- There are not sites with documented leaking USTs located within a 1/2-mile radius of the subject site.

- According to the EDR-Radius Map/Plus™ Toxicheck Report, there were no documented USTs within a 1/2-mile radius of the subject site. However, during our site walkthrough Clayton observed

one gasoline UST located at the West Coast Sheet Metal facility. The West Coast Sheet Metal facility is located immediately east and adjacent to the subject site."

The following recommendation was made for 9463, 9484, 9489 Mission Park Place and 9323 Stevens Road:

- "Perform a comprehensive environmental audit of the activities at both sites to determine their compliance with local, state, and federal regulations.
- Perform an asbestos survey and bulk sample analysis of suspect asbestos-containing materials at both sites.

According to Mr. Rousseau, the subject property has been issued an air emission permit to operate the onsite extraction/evaporation system."

A report entitled "Katema Process Equipment, Phase I & II Environmental Assessment Report" prepared by Baker Hughes Corporate Safety, Health & Environmental Department, dated June 1996, was provided for our review. The report was prepared for Baker Hughes Process Equipment Group. The assessment was conducted on four properties with separate addresses. The report grouped the properties into two sites; one being 9463, 9484, 9489 Mission Park Place and the other being 9323 Stevens Road. The following quote is from the executive summary of the June 1996 report:

"In the spring of 1996, the Baker Hughes Health, Safety, and Environmental Department performed a Phase I Environmental Assessment on Ketema Process Equipment Division of Ketema, Inc. Located at 9465, 9484, and 9489 Mission Park Place, Santee, California. Additionally, a location at 9323 Stevens Road was given a cursory review.

Operational review of the corporate, manufacturing, fabrication, and warehousing operations on the Mission Park Place location yielded no remarkable or unusual issues. Only a minimal risk of hazardous substances/material environmental impact was evident. Hazardous substance/material handling seemed to be well controlled. Some asbestos containing material (ACM) was noted and it is estimated that the cost of removal, transportation, and proper disposal will be in the range of 15K. Likewise the Stevens Road facility, which is leased, had a minimal risk of environmental impact. Operations at the Stevens Road facility included fabric (filter media) sewing and fabric warehousing. No ACM was noted in the Stevens Road facility.

Historical operations seemed to have minimal impact (if any) on the surrounding environment with respect to both properties.

Database review of the Mission Park Place property yielded a remote exposure to an underground storage tank battery located one-half mile away. These leaking USTs were an investigative target for a planned Phase II environmental assessment. The Phase II Environmental Assessment was negative for any soil or groundwater impacts.

The environmental risk associated with the acquisition of the Mission Park Place property and the assumption of the lease associated with the Stevens Road property appears to be minimal."

The following conclusions and recommendations were stated in the June 1996 report:

- "The risk of environmental impact from historical operations at the site is minimal.
- Hazardous substances and oil was noted to be generally well controlled at the facility.
- Impacts from offsite may be present at the site, albeit the risk is remote. To confirm the presence of offsite impacts, a Phase II boring program was completed on June 19, 1996. Results were negative.
- Asbestos containing materials (ACM) is present in one of the owned buildings (Building 1, Ketema PED complex on Mission Park Place). The estimated cost of removal, transportation, and disposal is 15K."

A review of the attached data for the Phase I ESA by Baker Hughes indicated four building material samples were collected from the building located at 9484 Mission Park Place which is referred to as Building 1. The laboratory report indicated ceiling tile samples collected from the conference room and hall contained asbestos, and ceiling tile samples collected from the Thoburn office and mail room did not contain asbestos. A map showing sample locations was not present in the report.

An attached letter report for the Phase II ESA entitled "Summary of Soil and Groundwater Sampling Activities Related to the Ametek Facility located at 9484 Mission Park Place, Santee, California," prepared by Philip Environmental, dated June 28, 1996, was supplied for our review. The assessment, which consisted of drilling of five soil borings and collection of soil and groundwater samples for laboratory analysis, was conducted to evaluate the potential impact to the site from a leaking underground storage tank (UST) located approximately 1/2 mile from the site. Soil boring SB-1 was drilled in a storage area surrounded by a chain-link fence located northeast of the site. Soil borings SB-2 and SB-3 were drilled on the site, north and south of the main manufacturing building located at 9484 Mission Park Place, respectively. Soil borings SB-4 and SB-5 were drilled east of buildings located at 9489 Mission Park Place, and 9465 Mission Park Place, respectively. Soil borings SB-2 and SB-3 were drilled to an approximate depth of 34 feet bgs, and soil and groundwater samples were collected. Soils samples collected at approximate depth of

28.5 feet bgs did not contain detectable concentrations of total petroleum hydrocarbons (TPH) or benzene, toluene, ethylbenzene, or xylenes (BTEX). Groundwater samples collected from these soil borings at an approximate depth of 24.5 feet bgs also did not contain detectable concentrations of TPH or BTEX. The report did not document soil and groundwater sampling procedures.

A letter report entitled "Expired well permit (#W95314), Ketema Process Equipment (A.P.N. #381-070-56), 9484 Mission Park Place, Santee, California 92071, Project #30731.01," prepared by Blasland, Bouck & Lee, Inc., dated September 9, 1996, was supplied for our review. The Phase II ESA was conducted for the Danaher Corporation. The assessment, which consisted of drilling five soil borings and collection of soil and groundwater samples for laboratory analysis, was conducted to evaluate the site conditions. Soil borings BH-1, BH-4, and BH-5 were conducted in a storage area surrounded by a chain link fence located northeast of 9484 Mission Park Place. Based on the review of a parcel map for the site it appears that soil boring BH-5 is located on the subject site (A.P.N. 381-070-56) while soil borings BH-1 and BH-4 are located east of the site (A.P.N. 381-070-42). Soil borings BH-2 and BH-3 were conducted on 9484 Mission Park Place property (A.P.N. 381-070-56), east of a hazardous waste storage shed. A report documenting soil and groundwater sampling procedures was not available for review.

Soil samples collected from BH-2 at depths of 2 feet and 25 feet bgs contained total recoverable petroleum hydrocarbons (TRPH) concentrations of 9.4 and 6.9 milligrams per kilogram (mg/kg), respectively. Soil samples collected from BH-2 at depths of 2 and 25 feet bgs did not contain detectable concentrations of volatile organic compounds (VOCs). A soil sample collected from BH-2 at 2 feet bgs did not contain concentrations of State of California Title 22 metals above their respective Total Threshold Limit Concentrations (TTLCs).

Soil samples collected from BH-3 at depths of 2, 5 and 25 feet bgs contained TRPH concentrations of 170, 14, and 7.3 mg/kg, respectively. Soil samples collected from BH-3 at depths of 2 and 25 feet bgs did not contain detectable concentrations of VOCs A soil sample collected from BH-3 at 2 feet bgs did not contain concentrations of State of California Title 22 metals above their re-

spective TTLCs. A groundwater sample collected from soil boring BH-3 at an approximate depth of 27 feet bgs did not contain detectable concentrations of VOCs.

Soil samples collected from BH-5 at depths of 2, 10 and 20 feet bgs contained TRPH concentrations of 1,500, 12, and 9.2 mg/kg, respectively. Soil samples collected from BH-5 at depths of 2 and 20 feet bgs did not contain detectable concentrations of VOCs A soil sample collected from BH-5 at 2 feet bgs did not contain concentrations of State of California Title 22 metals above their respective TTLCs. A groundwater sample collected from soil boring BH-5 at an approximate depth of 27 feet bgs did not contain detectable concentrations of VOCs.

5. GEOGRAPHY

Based on review of the United States Geological Survey, El Cajon, California; 7.5-minute quadrangle map (1967, Photorevised 1975), the site is situated within a developed urban area located in the San Diego River Valley. Elevation at the site is approximately 360 feet above mean sea level (MSL). Drainage in the general vicinity of the site is directed to the west along the San Diego River, while drainage at the site is generally directed to the north. A topographic map of the site vicinity is presented as Figure 4.

6. GEOLOGY

This section summarizes the regional geologic setting and site geologic conditions. The information is based on our review of the referenced, published and unpublished reports and observations made by Ninyo & Moore at the subject site.

6.1. Regional Geologic Setting

The project area is situated in the western portion of the Peninsular Ranges geomorphic province of southern California. The geomorphic province encompasses an area that extends 125 miles from the Transverse Ranges and the Los Angeles Basin, south to the Mexican border, and beyond another 775 miles to the tip of Baja California (Norris and Webb, 1990). The

geomorphic province varies in width from 30 to 100 miles, most of which is characterized by northwest-trending mountain ranges separated by subparallel fault zones. In general, the mountain ranges are underlain by Jurassic-age metavolcanic and metasedimentary rocks and Cretaceous-age igneous rocks of what is known as the southern California batholith. The western portion of the province, in which the site is located, generally consists of Upper Cretaceous-, Tertiary-, and Quaternary-age sedimentary rocks.

The Peninsular Ranges is traversed by several major active faults. The Whittier-Elsinore, San Jacinto, and the San Andreas faults are major active fault systems located northeast of the site and the Rose Canyon, Agua Blanca-Coronado Bank, San Diego Trough, and San Clemente faults are active faults located to the west-southwest. Major tectonic activity associated with these and other faults within this regional tectonic framework is right-lateral, strike-slip movement.

6.2. Site Geologic Conditions

Based on review of the California Department of Conservation, Division of Mines and Geology, Geologic Map of California, San Diego-El Centro Sheet (1962), which contains a 1:250,000 scale geologic map of the site vicinity, the site is underlain by Quaternary-age alluvial deposits. The alluvial deposits are described as recent river and stream deposits, filled land, salt ponds and delta deposits. Interpreted cross sections in the site vicinity, indicate Mesozoic-age granitic rocks consisting of the Green Valley Tonalite underlie the alluvial deposits at depth. Several feet of artificial fill may overlie the alluvial deposits, based on the fact that development has occurred at the site and fill is typically used under building structure foundations.

Based on the review of the review of California Department of Conservation, Division of Mines and Geology, Landslide Hazards in the El Cajon Quadrangle, San Diego, California, Map No. 28, which contains a 1:24,000 scale geologic map, the site is underlain by Pleistocene Terrace deposits which are described as consisting of older alluvial deposits, semi-consolidated sand with high silt and clay content and some gravels.

7. HYDROGEOLOGY

This section summarizes the regional hydrogeologic setting and site hydrogeologic conditions. The information is based on our review of the referenced published and unpublished reports and observations made by Ninyo & Moore at the subject site.

7.1. Regional Hydrogeologic Setting

Based on the review of available hydrogeologic data from the Regional Water Quality Control Board (RWQCB) and the California Department of Water Resources (DWR), the site is located in the Santee Hydrologic Subarea within the Lower San Diego Hydrologic Area, which is within the San Diego Hydrologic Unit.

The San Diego Hydrologic Unit is a long, triangular-shaped area encompassing approximately 440 square miles and is drained by the San Diego River. Annual precipitation ranges from less than 11 inches at the coast to about 35 inches inland. For purposes of designating beneficial uses of surface water, the RWQCB has divided the region into watershed units, and the site is located in the San Diego River Watershed. Drainage from the site is northerly into the San Diego River, which drains to the west and discharges into the Pacific Ocean. The existing beneficial uses for inland surface waters near the site include industrial service supply, contact and non-contact water recreation, warm and cold freshwater habitat, wildlife habitat, and preservation of rare, threatened or endangered species. Currently, the potential beneficial uses of inland surface water for this area of the San Diego River Watershed, are domestic and municipal supply.

The existing beneficial uses of groundwater in the Santee Hydrologic Subarea include domestic and municipal supply, agricultural supply, industrial service supply, and industrial process supply. Currently, there are no potential beneficial uses of groundwater in the Santee Hydrologic Subarea.

7.2. Site Hydrogeologic Conditions

The site is located adjacent to the San Diego River. The site is relatively level, however, topography and drainage in the site vicinity generally slope toward the north. On August 18, 1995, groundwater was reported to be present at approximate depths of 27 feet bgs in soil borings BH-2 and BH-3. On June 19, 1996, groundwater was reported by Phillips Environmental to be present at approximate depths of 24.5 and 25.5 feet bgs in soil borings SB-2 and SB-3, respectively. Based on the regional topography, the regional groundwater flow direction is presumed to be in a northerly direction towards the San Diego River, however, this direction may vary locally. The current depth to groundwater, groundwater gradient and groundwater flow direction at the site are not known.

8. SITE HISTORY

The following sources were reviewed to compile a history of the site.

8.1. Aerial Photographs

Based on the review of historical aerial photographs of the subject sites the area appears to have had multiple uses prior to present day. A listing of selected photographs reviewed is presented in Table 1. The following observations are presented.

Aerial photographs dated 1928 and 1953 show the site as being used for agricultural purposes. No structures are present and linear crop patterns are visible in these photographs. Adjacent properties to the north, east, south and west also appear to be used for agricultural purposes. Mission Park Place and Mission Park Court are not present in 1928 or 1953.

Aerial photographs dated 1965 and 1969 show the site as vacant land with no structures present. Visual evidence of agricultural use is not present in the 1965 or 1969 photograph. The site is bounded to the north by vacant land and the San Diego River, to the east by Mission Park Place and commercial buildings, to the south by Mission Park Court (unpaved road), and to the west by a drive-in movie theater.

An aerial photograph dated 1970 shows the site as developed. A large building is present near the center of the site. Aerial photographs dated 1975, 1980, 1985, 1990, and 1996 also show the site as developed. These photographs show the site as bounded by the San Diego River to the north, Mission Park Place and commercial buildings to the east, Mission Park Court and commercial buildings to the south, and a drive-in movie theater to the west.

8.2. Sanborn Fire Insurance Maps

Available Sanborn Fire Insurance Maps located at the City of San Diego Main Library do not cover the area of the site.

8.3. Building Permit Records

Available building permit records were requested from the City of Santee Department of Development Services. Permit No. 90-598 dated 8/2/90 was issued to Ketema to "add A/C (heat pump)" to the site. Permit No. 88-577 dated 7/18/88 was issued to Ametek Inc. to "move on mobile offices, awnings, stairs and ramps" on the site. The site was formerly located in the County of San Diego Department of Building jurisdiction, and the City of Santee was incorporated in 1980. Building permit records consisting of a computer print out were transferred to the City of Santee. Permit No. 1-240044 dated 11/20/75 was issued to Ametek US Bellows for an "electrical permit." Permit No. 1-240045 dated 11/20/75 was issued to Ametek US Bellows for a "commercial addition." Permit No. 3-053904 dated 8/23/73 was issued to US Bellows Corp. for a "patios/porches/decks" permit. Permit No. 3-059206 dated 10/24/73 was issued to US Bellows Corp. for an "electrical" permit. Permit No. 3-059207 dated 10/24/73 was issued to US Bellows Corp. for a "commercial addition" permit. Documents regarding the original construction of the building located on the site was not available. Copies of the available permit information are included in Appendix A.

8.4. Title Documents

Ninyo & Moore reviewed available title documents presented in the Phase I ESA conducted by Baker Hughes. The title documents included in the report did not separate the properties by address. According to the County of San Diego Assessors Office the site is owned by Ketema Process Equipment, Inc.

9. SITE RECONNAISSANCE

On May 7, 1997, a site reconnaissance was conducted by a Peter D. Clark, a representative of Ninyo & Moore. The reconnaissance involved a walking tour of the site and a visual inspection of the adjoining properties. Photographs taken during this reconnaissance are on file at Ninyo & Moore and are available for review upon request.

Ketema Process Equipment is currently in the process of moving out of the facility. A tour of the facility was guided by Mr. Jeremy Lamb, a representative of Ketema Process Equipment. The property was most recently used for the manufacture of centrifuges. Operations at the site included lathe and metal machining operations, gas/arc welding, as well as administrative offices. Mr. Lamb stated that the property does not currently or historically contain any underground storage tanks. The large rectangular shaped building contained administrative offices and three large service bays. Service Bay 1 contained a large metal roller machine, and welding areas. A large storage area located on top of the administrative office at the eastern end of the service Bay 1 was not inspected because access was not available. Minor oil staining was observed on the concrete floor.

Service Bay 2 contained a large, hydraulic, metal punch press, and welding areas. The hydraulic reservoir to operate the press was located above ground in the interior of the machine. Two subsurface concrete square pits were observed in this bay on the southern side, and according to Mr. Lamb, the pits contained equipment referred to as mechanical "expanders". A large "dry type" electrical transformer was observed near the eastern end of Service Bay 2. Minor oil staining was observed on the concrete floor.

Service Bay 3 contained a large mechanical punch press, a large mechanical shear machine, a large hydraulic press brake, a large hydraulic vertical lathe, and a recently removed smaller hydraulic vertical lathe. The hydraulic press brake and vertical lathe hydraulic reservoirs are above ground in the interior of the machines. The hydraulic reservoir for the vertical lathe machine was leaking and hydraulic fluid was observed on the concrete floor. Cutting oil and metal shavings were observed on the concrete floor near the recently removed vertical lathe. The large vertical hydraulic lathe and the large mechanical punch press contain deep subsurface footings with associated subsurface vaults to access the bottom of the machines. Service Bay 3 reportedly contained an approximate 150 to 200 gallon above ground, stainless steel "wash tank." The tank was located near the middle northern side of the bay and contained solvents for washing machine parts. The tank was recently removed from the facility. A enclosed welding area was observed near the northeast corner of the service bay. A large compressor and associated steel air tank were present near the southeast corner of the service bay. Minor oil staining was observed near the air compressor. A large air conditioning unit to service the main offices, located near the southeast corner of the service bay, was reported to contain freon.

Storage of miscellaneous equipment and supplies was observed north of the main manufacturing building on asphalt paved area. Drainage at the site is directed to the north into three asphalt bermed drainage channels (Figure 2). The site contains an 8-inch diameter subsurface pipeline that discharges to the north and empties into the San Diego River. According to Mr. Lamb, the pipeline drains rainwater collected from the roof of Service Bays 1 and 2. Minor soil staining was observed at the pipeline discharge point.

A small one-story wooden storage building located near the northeast corner of the property. According to Mr. Lamb a solvent or coolant recovery machine was located in the interior of the storage shed. Hazardous materials and wastes were observed to be stored east of the storage shed in an asphalt-bermed storage area and also west of the storage shed in a orange plastic storage bin. Several 55-gallon drums and smaller containers were observed in this general area and, according to Mr. Lamb, all hazardous materials and wastes will be removed from the facility.

Staining of the asphalt-bermed area was observed. Mr. Lamb also stated that waste oil, waste coolant, and waste solvent were historically generated by facility operations.

A one-story concrete building located near the western portion of the property reported contained machining equipment and a small office. A small air compressor (stored) was observed at the northern end of the building. According to Mr. Lamb, hazardous materials were not used or stored in this building. An approximate 1,000-gallon, above ground, steel propane tank was observed near the southwest corner of the property.

A concrete patch was observed in the asphalt area south of the main manufacturing building. This area was reportedly used for grinding and parts storage. Mr. Lamb did not know the purpose of the concrete patch.

Two large, rectangular portable trailers offices were observed near the southeast portion of the property and were reportedly used for engineering and administrative offices. According to Mr. Lamb, hazardous materials were not used or stored in the portable trailers. Each of the trailers contained air conditioning units that reportedly contain Freon.

A "dry type" electrical transformer was observed near the southeast corner of the main manufacturing building near an area of former compressed gas storage area. A large air conditioning unit to service the main offices, reported to contain Freon, was also observed in this area.

A large, pad-mounted electrical transformer was observed near the southeast corner of the service bay. The electrical transformer is owned and operated by the San Diego Gas & Electric Company (SDG&E). The transformer location and identification number was given to SDG&E and a request was made to obtain the date of installation and whether or not the polychlorinated biphenyls (PCBs) content of the transformer electrical fluid was known. Ninyo & Moore is currently waiting for a response from SDG&E. It should also be known that flourescent lighting was observed in the buildings located on the site. Flourescent lighting fixtures contain ballasts which may contain PCBs.

10. ENVIRONMENTAL DATA BASE SEARCH

A computerized, environmental information database search was performed through Vista Information Solutions, Inc. (Vista), dated May 7, 1997. The Vista search included federal, state, and local databases. A complete description of the assumptions and approach to the database search, as well as the results, are provided in Appendix B. The review was conducted to evaluate whether the site or properties within the vicinity of the site have been identified as having experienced significant unauthorized releases of hazardous substances or other events with potentially adverse environmental effects. The figures on pages 3 and 4 of the Vista report indicate approximate locations of sites which may pose environmental concerns.

United States Environmental Protection Agency, National Priorities List
This list, dated December 1996, identifies hazardous material sites slated for cleanup under the federally sponsored Superfund program. These sites receive remedial funding under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). Neither the site nor properties within a one-mile radius of the site were listed.

United States Environmental Protection Agency, CORRACTS List
This list, dated August 1996, identifies RCRA facilities which are undergoing "corrective action." A "corrective action order" is issued pursuant to RCRA when there has been a release of hazardous waste into the environment from a RCRA facility. Neither the site nor properties within a one-mile radius of the site were listed.

United States Environmental Protection Agency, RCRA TSD List
This list, dated August 1996, identifies EPA-listed facilities which report storage, treatment and/or disposal of hazardous waste (TSD facility) under the EPA's Resource Conservation and Recovery Act (RCRA) program. Neither the site nor properties within a one-mile radius of the site were listed.

California Department of Health Services, Annual Work Plan (formerly Bond Expenditure Plan) for the Hazardous Substance Clean-Up Bond Act (AWP)
The Health and Safety Code, as amended by AB129, requires the California Environmental Protection Agency, Department of Health Services to develop a site-specific expenditure plan (Annual Work Plan) as the basis for an appropriation of California Hazardous Substance Clean-Up Bond Act of 1984 funds. The Department is also required to update the report annually and report any significant adjustments to the Legislature on an ongoing basis. The Annual Work Plan (AWP) identifies California hazardous waste sites targeted for cleanup by responsible parties, the Department and the Federal Environmental Protection Agency over the next five years. The agency release date for the AWP list is July 1996. Neither the site nor properties within a one-mile radius of the site were listed.

California Department of Health Services, Toxic Substances Control Division, CalSites List, Including Abandoned Site Program Information System (ASPIS)

This list, dated July 1996, identifies sites listed in the CalSites database (except for AWP sites listed above), including abandoned facilities which may require investigation to determine whether a release of hazardous substances has occurred. These site determinations were generally not made via sampling and site characterization, but as a result of file searches and windshield surveys. However, some of the sites may have had a site inspection with sampling. The information has been compiled into this database by the California Department of Health Services in accordance with Section 25359.6 of the California Health and Safety Code. The site is not listed. The following property was listed within a one-mile radius of the site and it is listed below:

1. Dave's Auto Service
   10438 Mission Gorge Road
   Santee, California 92071
   Map Location: 7

United States Environmental Protection Agency, CERCLIS List

This list, dated January 1997, identifies hazardous material sites or environmental incidents recognized and listed on the federal level. Sites identified by the EPA, which may have the potential for releasing hazardous substances into the environment, are listed in the CERCLIS List. Neither the site nor properties within a one-half mile radius of the site were listed.

California State Water Resources Control Board - Leaking Underground Storage Tank (LUST) List

The Leaking Underground Storage Tanks (LUST) Information System is maintained by the State Water Resources Board, pursuant to Section 25295 of the Health and Safety Code. The agency release date for the LUST list is October 1996. Also listed below are sites within a one-half mile of the subject property that fall under the jurisdiction of the Local Oversight Program for unauthorized releases by the County of San Diego Department of Environmental Health. The agency release date for the "County LUST" list is November 1996. The site is not listed. One property is located within a one-half mile radius of the site and it is listed below:

1. El Capitan Oil Company
   11427 Woodside Avenue
   Santee, California 92071
   Map Location: 6

California Integrated Waste Management Board, Solid Waste Information System (SWIS), Inactive and Closed Landfills, and Active Landfills

As legislated under the Solid Waste Management and Resource Recovery Act of 1972, The California Waste Management Board maintains lists of certain facilities (e.g., active solid

waste disposal sites, inactive or closed solid waste disposal sites and transfer facilities). The list was dated March 1996. Neither the site nor properties within a one-half mile radius of the site were listed.

California State Water Resources Control Board - Solid Waste Assessment Test (SWAT)
This list, dated November 1996, provided for under the Calderon legislation (Section 13273 of the Water Code), requires that disposal sites with more than 50,000 cubic yards of waste provide sufficient information to the Regional Water Quality Control Board to determine whether or not the site has discharged hazardous substances which will impact the environment. Neither the site nor properties within a one-half mile radius of the site were listed.

California Department of Health Services - Deed Restrictions
This list, dated April 1994, is compiled by the Department of Health Services - Land Use and Air Assessment. Deed restrictions are agreements with owners of property who propose to build residences, schools, hospitals, or day care centers on property that is "on or within 2,000 feet of a significant disposal of hazardous waste." Neither the site nor properties within a one-half mile radius of the site were listed.

California Office of Planning and Research, Hazardous Waste and Substances Sites List (Cortese List)
This list, dated February 1995, identifies hazardous waste facilities subject to corrective action, land designated as hazardous waste property, public land used for hazardous waste disposal, and public drinking water wells which contain detectable levels of organic contaminants and are subject to water analysis requirements. The site was not listed. One property is located within a one-half mile radius of the site and it is listed below:

1. El Capitan Oil Company
   11427 Woodside Avenue
   Santee, California 92071
   Map Location: 6

California State Water Resources Control Board - Toxic Pits Clean-Up Facilities
The California State Water Resources Control Board compiles information in Toxic Pits Cleanup Facilities. The Toxic Pits Clean-Up Act places strict limitations on the discharge of liquid hazardous wastes into surface impoundments, toxic ponds, pits and lagoons. Regional Water Quality Control Boards are required to inspect all surface impoundments annually. A list dated February 1995, summarizes data on listed facilities. Neither the site nor properties within a one-half mile radius of the site were listed.

United States Environmental Protection Agency, RCRA Violations
This list, dated August 1996, identifies EPA-listed facilities which report violations regarding generation, storage, transportation, treatment or disposal of hazardous waste under the EPA's

Resource Conservation and Recovery Act (RCRA) program. Neither the site nor properties within a one-quarter mile radius of the site were listed.

United States Environmental Protection Agency, TRIS

Section 313 of the Emergency Planning and Community Right-to-Know Act (also known as SARA Title III) of 1986 requires the EPA to establish an inventory of toxic chemicals emitted from certain facilities. The Toxic Release Inventory System (TRIS) list, dated May 1995, identifies facilities which complete a Toxic Chemical Release Form (Form R) for specified chemicals. The site was not listed. One property is located within a one-quarter mile radius of the site and it is listed below:

1. Custom Craft Marble
   10848 Wheatlands Avenue
   Santee, California 92071
   Map Location: 5

California State Water Resources Control Board (SWRCB) - Underground Storage Tank (UST) and Above-ground Storage Tank (AST) Registration List

Information regarding underground and above-ground storage tanks registered with the SWRCB are provided on the agency's UST list dated January 1994 and AST list dated November 1996, respectively. Also listed are sites within a one-half mile of the subject property that fall under the jurisdiction of the County of San Diego Department of Environmental Health's Underground Storage Tank program. The Agency release date for the "County UST" list is November 1996. The site was not listed. Two properties are located within a one-quarter mile radius of the site and they are listed below:

1. Circle K Store #2959
   11007 Woodside Avenue
   Santee, California 92071
   Map Location: 4

2. Custom Craft Marble
   10848 Wheatlands Avenue
   Santee, California 92071
   Map Location: 5

United States Environmental Protection Agency - ERNS

The Emergency Response Notification System (ERNS) is a national database used to collected information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, the United States Coast Guard, the National Response Center, and the Department of Transportation. The ERNS list, dated March 1996, contains records for reports for the period between

October 1986 and June 1995. Neither the site nor properties within a one-quarter mile radius of the site were listed.

United States Environmental Protection Agency, RCRA Generator
This list, dated August 1996, identifies EPA-listed facilities which report generation of reportable quantities of hazardous waste under the RCRA program for the identification and tracking of hazardous waste. The site is listed. Two properties are located within a one-quarter mile radius of the site and they are listed below:

1. Whittaker Corp.
   11015 Mission Park St.
   Santee, California 92071
   Map Location: 1B

2. C H Auto Body
   10996 Woodside Avenue
   Santee, California 92071
   Map Location: 2A

County of San Diego Department of Environmental Health (DEH), Hazardous Materials Establishment
This list, dated November 1996, identifies businesses which use hazardous materials or generate hazardous waste at quantities that require regulation by the County of San Diego DEH. These businesses report quantities of hazardous materials used, and hazardous wastes generated and stored for tracking purposes, and are subject to inspection by County officials. The site was listed. Two properties were located within a one-eighth mile radius of the site and they are listed below:

1. GTE Mobilenet
   401 West Harbor Drive
   San Diego, California 92101
   Map Location 2B

2. PDS Engineering
   420 1st Street
   San Diego, California 92101
   Map Location: 3

11. REGULATORY AGENCY FILE REVIEW

Information was requested and reviewed from the following regulatory agencies.

11.1. County of San Diego Department of Environmental Health

A request was made to the County of San Diego Department of Environmental Health (DEH) to review all information regarding the address of 9484 Mission Park Place, Santee. The facility has been assigned the DEH establishment number H02097 and was last inspected by the DEH on October 2, 1996. The inspection report stated a drum near the treatment/evaporator area was not properly labeled or closed as required. The facility was also inspected by the DEH on the following dates: August 17, 1995, March 31, 1994, March 2, 1993, September 26, 1991, June 6, 1990, January 3, 1989, April 23, 1987, and June 6, 1984. Copies of the inspection reports prepared by the DEH is presented in Appendix C. It should be noted that a review of the inspection reports indicated that the facility has received notice of violations for storing hazardous wastes in excess of allowable time period, hazardous waste containers missing labels, accumulation start date and/or improperly labeled, hazardous waste containers are not kept closed while in storage, used oil filters not properly drained, stored or labeled prior to transport for the purpose of metal reclamation, and business plan inventory does not list all hazardous materials on site in disclosable quantities. In addition, the inspection report dated June 6, 1984, states "thoroughly clean the grounds where spills have occurred, thoroughly clean all areas where barrels are stored or maintained as waste storage or product storage". Information regarding use, storage and disposal of hazardous materials prior to 1984 was not available.

A loose file contained permits applications for "groundwater and vadose monitoring wells and exploratory or test borings" for the site by Blasland, Bouck & Lee, dated August 14 and 28, 1995, and by Philip Environmental dated May 28, 1996. Reporting requirements for the permits obtained including copies of sample location maps, boring logs, laboratory analytical reports, and approved permits were also present in this file.

A review of the DEH Environmental Site Assessment Listing dated April 4, 1997, indicates an unauthorized release has occurred at Ketema Process Equipment located 9484 Mission Park Place, Santee, and was discovered on August 28, 1995. The case type is listed as "non-

tank/permitted site." the case status is listed as "leak being confirmed," and the lead agency was identified as the "RWQCB."

11.2. City of San Diego Fire Department

A request was made to the City of Santee Fire Department to review all information regarding the address of 9484 Mission Park Place, Santee. At the time of this report the City of Santee Fire Department has not responded. A copy of the request to the City of Santee Fire Department is include in Appendix D.

11.3. San Diego Air Pollution Control District

A request was made to the San Diego Air Pollution Control District (SDAPCD) to review all information regarding the address of 9484 Mission Park Place, Santee. According to Ms. Patti Hackley, SDAPCD representative, the files for the site could not be located. According to a SDAPCD print out the address has one active and two retired permits. The active permit is for a "water evaporator," the retired permits are for "metal parts/product coating" and "one (1) two gallon applicator using knight engine degreaser, and hand wipe." A copy of the request and response from the is included in Appendix E.

11.4. San Diego Regional Water Quality Control Board

A request was made to the San Diego Regional Water Quality Control Board (SDRWQCB) to review all information regarding the address of 9484 Mission Park Place, Santee. According to Mr. Corey Walsh, SDRWQCB representative, no files or information are available for the address requested (oral communication May 30, 1997). A copy of the request to the SDRWQCB is include in Appendix F.

12. SUMMARY AND CONCLUSIONS

Based upon the findings of this assessment, the following summary statements and conclusions are made at this time:

- The site has been used for agricultural purposes from prior to 1928 and was later used for manufacturing purposes from approximately 1970 to the present. The facility is owned by Ketema Process Equipment, which is currently moving out of the property, and was most recently used to manufacture centrifuges.

- Quantities of hazardous materials including oils, solvents, compressed gases have been used and stored on the property. Waste oil and waste solvents have been generated and stored at the property.

- The property was permitted by the DEH for hazardous material storage and use, and by the SDAPCD for a water evaporator, engine degreaser, and metal parts/product coating.

- At the time of the site inspection, areas of staining were observed on the concrete floor throughout the three service bays. Hydraulic fluid and cutting oil were observed on the floor in Service Bay 3. Hazardous materials and hazardous waste were stored near the hazardous waste storage shed located near the northeast corner of the property.

- The site contains two "dry type" electrical transformers and one liquid filled electrical transformer owned and operated by SDG&E. A request was made to SDG&E regarding the PCB content of the electrical transformer, but a response has not been received at the time of this report. The site contains fluorescent lighting and associated ballasts which may contain PCBs.

- The site contains an 8-inch diameter subsurface pipeline that discharges to the north and empties into the San Diego River. According to Mr. Lamb, site representative, the pipeline drains rainwater collected from the roof of Service Bays 1 and 2.

- Two separate Phase I ESAs have been conducted on the site by others. Asbestos was detected in ceiling tile samples collected from the site.

- Two separate Phase II ESAs consisting of soil and groundwater sampling and analysis, were conducted on the site by others. Soil samples collected from borings BH-2, BH-3, and BH-5, located on the property, indicate elevated concentrations of TRPH in soil near the hazardous waste storage shed and a fenced in storage area. Groundwater samples collected from these soil borings did not contain detectable concentrations of VOCs. Soil samples collected from borings SB-2 and SB-3, located on the property, did not contain detectable concentrations of TRPH or BTEX. Groundwater samples collected from these soil borings did not contain detectable concentrations of TRH or BTEX.

- A review of the DEH Environmental Site Assessment Listing dated April 4, 1997, indicates an unauthorized release has occurred at Ketema Process Equipment located at 9484 Mission Park Place, Santee, and was discovered on August 28, 1995. The case type is listed as "non-tank/permitted site," the case status is listed as "leak being confirmed," and the lead agency is identified as the "RWQCB."

- A documented release of hazardous materials leading to soil and groundwater contamination has occurred at the El Capitan Oil Company property located approximately 1/2 mile north-east of the subject site. Based on the geographic proximity of this property from the subject site, the assumed groundwater gradient and flow direction, and data obtained from previous Phase II ESAs, the potential for the El Capitan Oil Company property to impact the subject site is considered low.

- A request was made to the City of Santee Fire Department to review all information for the address of the site. A response has not been received at the time of this report.

13. RECOMMENDATIONS

Based upon the findings of this assessment, the following recommendations are made at this time:

- Clean areas of stained concrete flooring throughout the service Bays 1, 2, and 3 and areas of spilled hydraulic fluid and cutting oil located in Service Bay 3. If the large vertical lathe is to remain at the facility, then the hydraulic fluid leak should be repaired.

- Remove and properly dispose of all remaining hazardous materials and hazardous wastes stored on the property.

- Prepare and implement and asbestos operations and management plan for the asbestos previously identified at the site. An additional asbestos survey should be conducted prior to any renovation or demolition activities which may disturb asbestos containing building materials.

- A lead-based paint survey should be conducted prior to any renovation or demolition activities which may disturb lead-based painted surfaces.

- Periodically contact the DEH and RWQCB regarding the status of the unauthorized release listed for the property. If additional site assessment activities are required by the regulatory agencies to obtain site closure, Ninyo & Moore will prepare a scope of services and estimated cost to conduct additional site assessment activities, if requested.

- Periodically contact the City of Santee Fire Department regarding Ninyo & Moore's request for information.

- Periodically contact the SDAPCD regarding Ninyo & Moore's request for information.

14. LIMITATIONS

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No other warranty, expressed or implied, is made regarding the professional opinions presented in this report.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information or has questions regarding the content, interpretations presented, or completeness of this document.

Our conclusions, recommendations, and opinions are based on an analysis of the observed site conditions and the referenced literature. It should be understood that the conditions of a site can change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

This report is intended exclusively for use by the client. Any use or reuse of the findings, conclusions and/or recommendations of this report by parties other than the client is undertaken at said parties' sole risk.

15. REFERENCES

Baker Hughes, 1996, Ketema Process Equipment Phase I and II, Environmental Assessment Report: dated June.

Blasland, Bouck & Lee, Inc., 1996, Expired Well Permit (#W95314), Ketema Process Equipment (A.P.N. # 381-070-56), 9484 Mission Park Place, Santee, California 92071, Project #: 30731.01: dated September 9.

Clayton Environmental Consultants, 1994, Phase I Environmental Assessment of Ketema Process Equipment Division at 9463, 9484, 9489 Mission Park Place, 9323 Stevens Road, Santee California: dated January 24.

County of San Diego, Department of Environmental Health, 1997, Environmental Assessment (Unauthorized Release) List, April 4.

County of San Diego, Department of Environmental Health, 1997, Request for File Review 9484 Mission Park Place, Santee, California.

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Norris, R.M., and Webb, R.W., 1976, Geology of California, Second Edition: John Wiley & Sons, Inc.

Philip Environmental Services Corporation, 1996, Summary of Soil and Groundwater Sampling Activities Related to the Ametek Facility Located at 9484 Mission Park Place, Santee, California: Dated June 28.

State of California Department of Conservation, 1992, Landslide Hazards in the El Cajon Quadrangle, San Diego County, California: California Division of Mines and Geology, DMG Open-File Report 92-11.

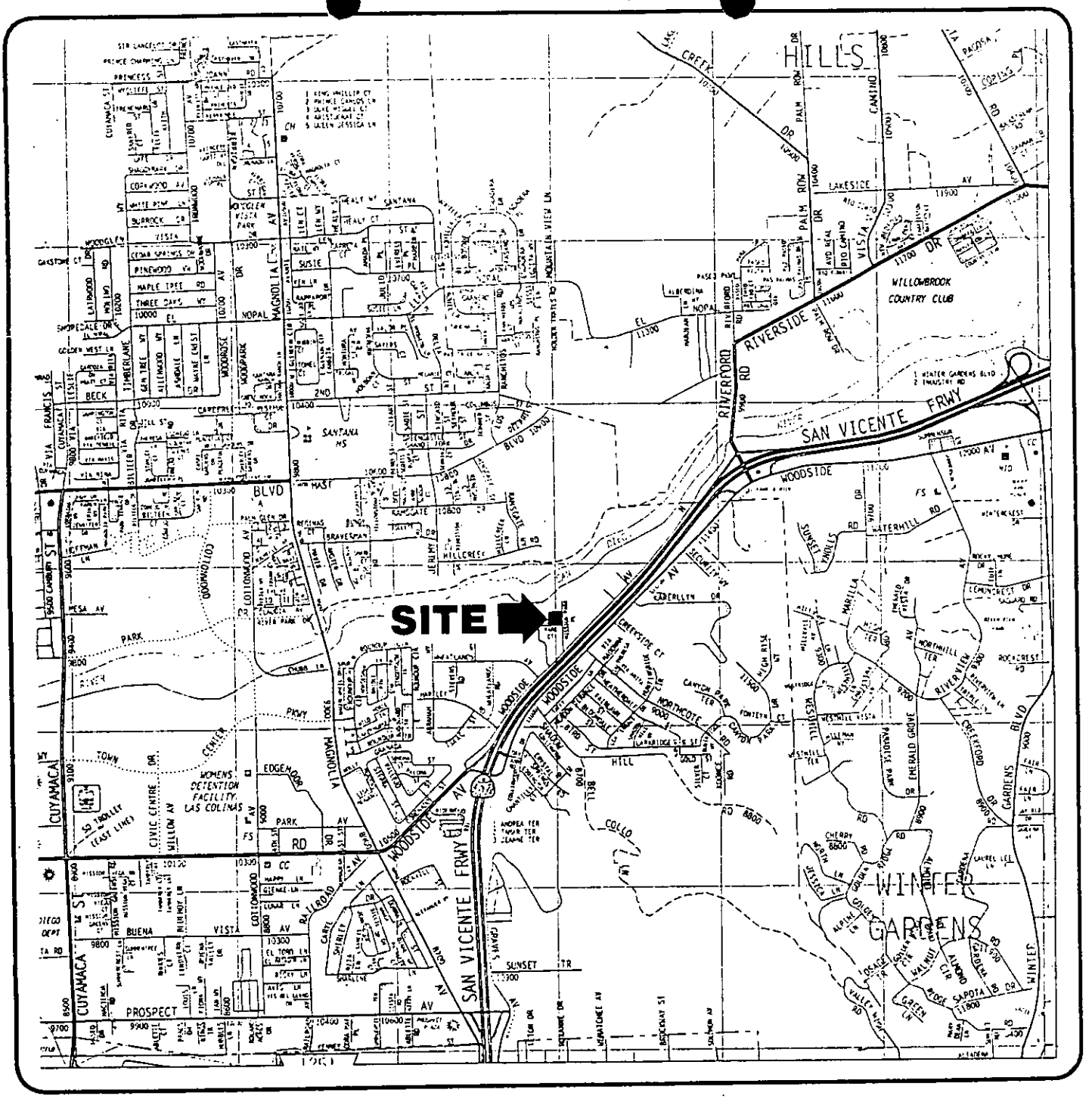
State of California, Department of Water Resources, 1967, Ground-Water Occurrence and Quality: San Diego Region, Bulletin 106-2.

State of California, Regional Water Quality Control Board, San Diego Region, 1975, Water Quality Control Plan, San Diego Basin, California: dated July.

State of California, Regional Water Quality Control Board, San Diego Region, 1979, Comprehensive Water Quality Control Plan Report, 1978 Amendments, San Diego Basin (9): dated March.

State of California, Regional Water Quality Control Board, San Diego Basin, 1994, Water Quality Control Plan for the San Diego Basin (9): dated September.

United States Geological Survey, 1967, El Cajon Quadrangle, California, 7.5-minute series (topographic), revised 1975.



REFERENCE: 1994 Thomas Guide for San Diego County, Street Guide and Directory

NORTH

0 2400 4800

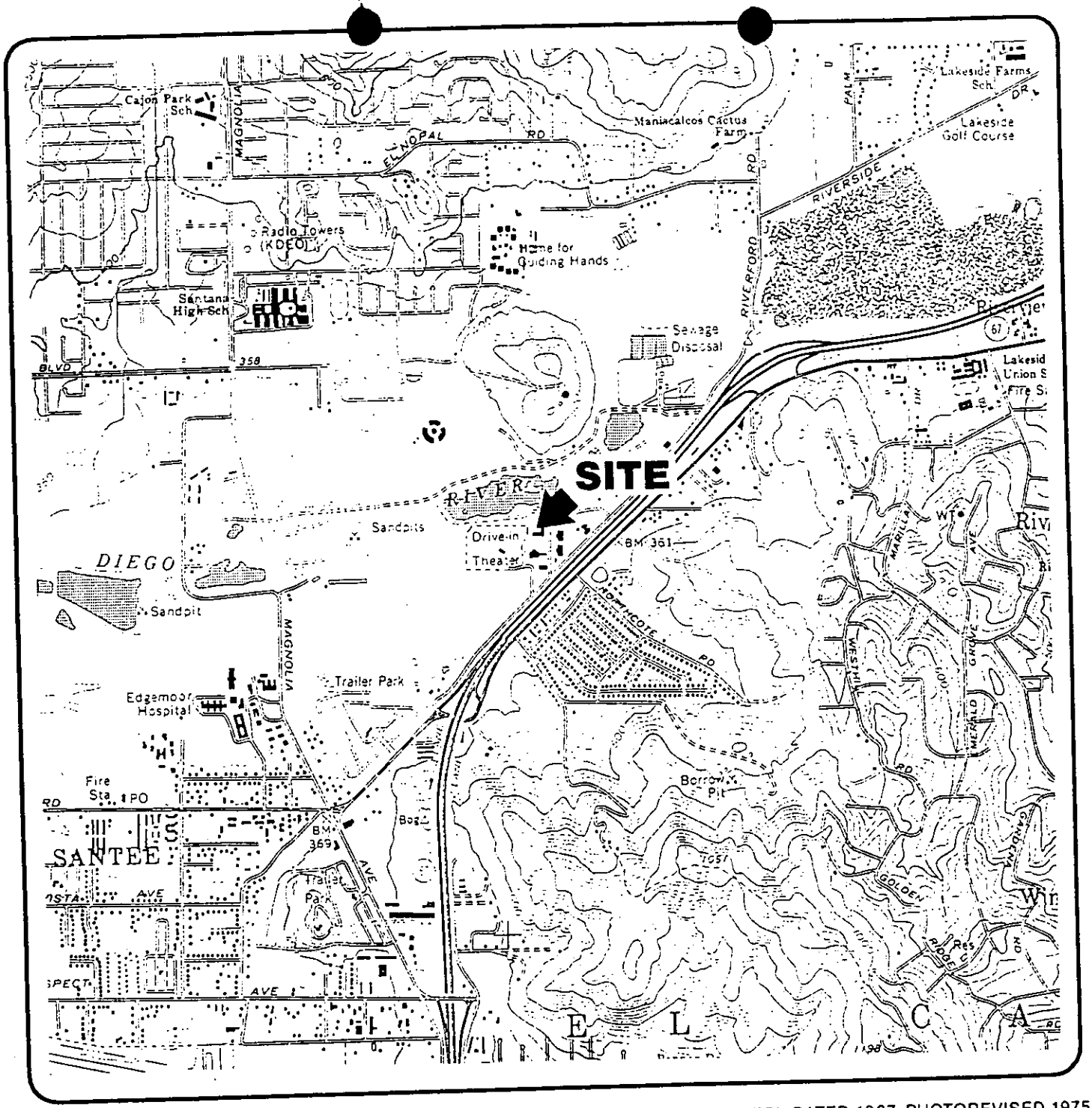
Approximate Scale in Feet

Ninyo & Moore

SITE LOCATION MAP

MANUFACTURING FACILITY
9484 MISSION PARK PLACE
SANTEE, CALIFORNIA

PROJECT NO.	DATE	FIGURE
103386-01	6/97	1



REFERENCE: U.S.G.S., EL CAJON QUADRANGLE, 7.5 MINUTE SERIES (TOPOGRAPHIC), DATED 1967, PHOTOREVISED 1975

0 2000 4000

Approximate Scale in Feet

NORTH

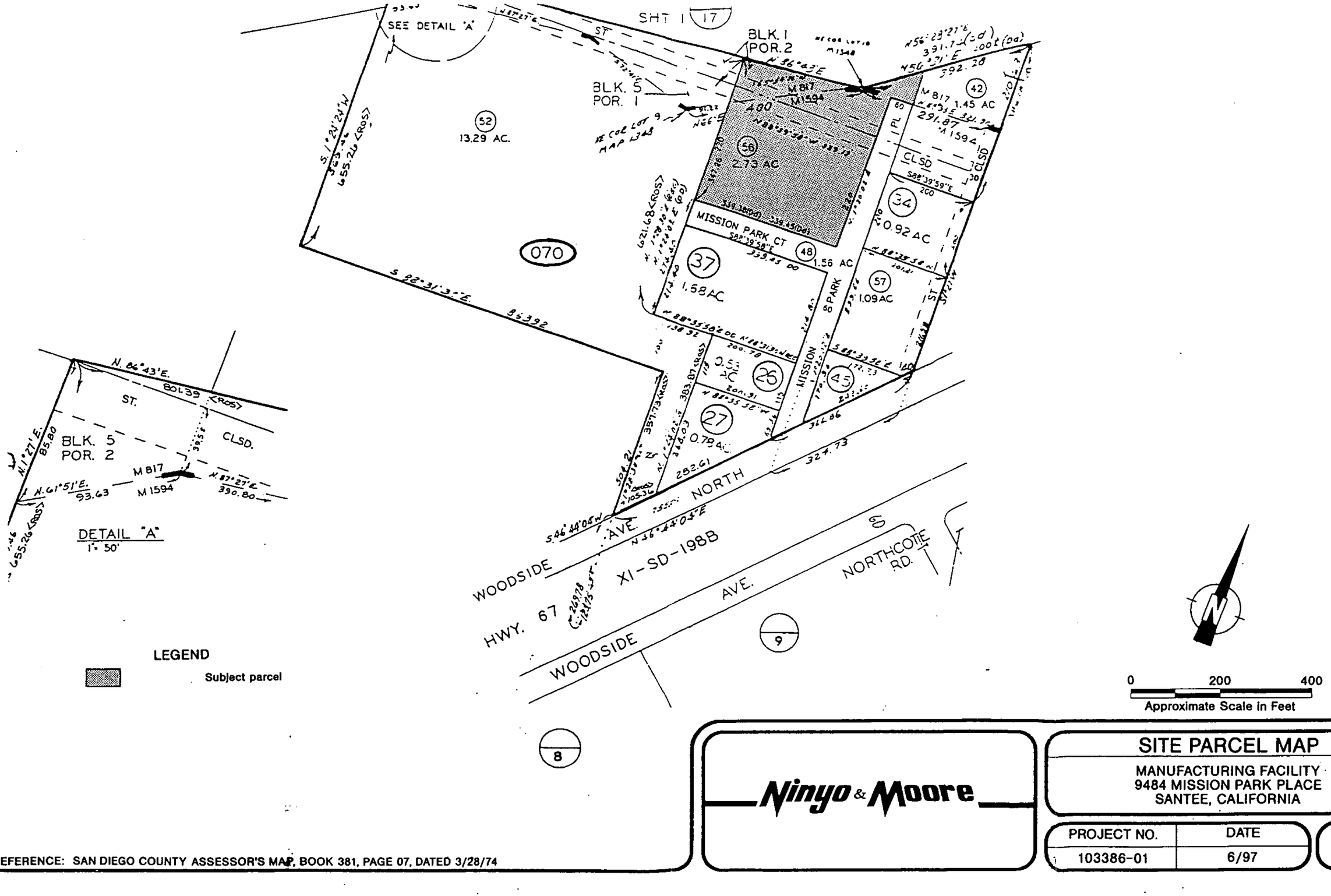
Ninyo & Moore

TOPOGRAPHIC MAP

MANUFACTURING FACILITY
9484 MISSION PARK PLACE
SANTEE, CALIFORNIA

PROJECT NO.	DATE
103386-01	6/97

FIGURE 4



DETAIL "A"
1" = 50'

LEGEND

Subject parcel

REFERENCE: SAN DIEGO COUNTY ASSESSOR'S MAP, BOOK 381, PAGE 07, DATED 3/28/74

Ninyo & Moore

SITE PARCEL MAP

MANUFACTURING FACILITY
9484 MISSION PARK PLACE
SANTEE, CALIFORNIA

PROJECT NO.	DATE	FIGURE
103386-01	6/97	3

NOTES:

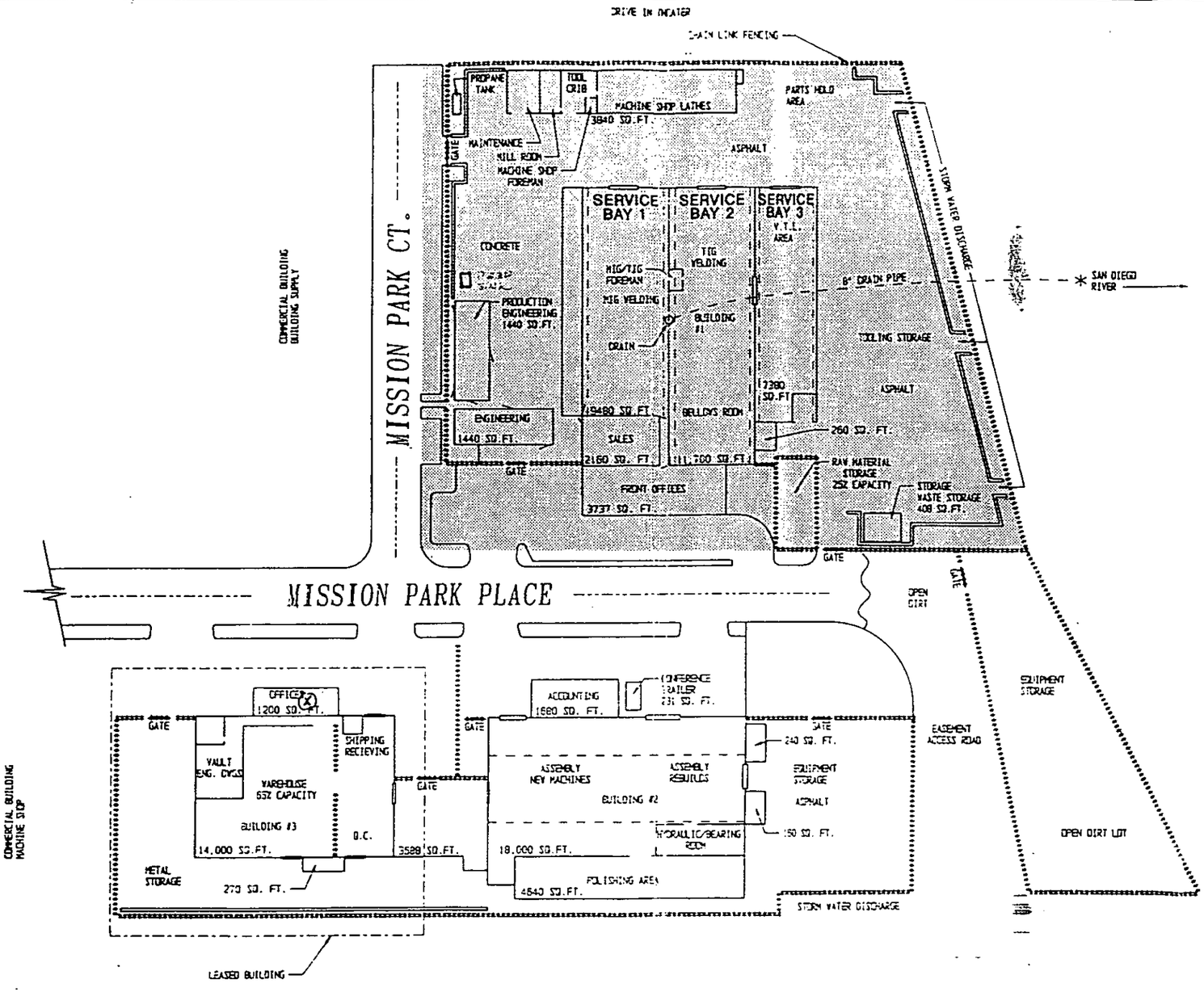
= BERMS

= FENCES

SQUARE FOOTAGE:

305,075 SQUARE FEET
85,324 SQUARE FEET UNDER ROOF

28% IMPERVIOUS (UNDER ROOF)



NOT TO SCALE

REFERENCE: SITE MAP, KATEMA PROCESS EQUIPMENT, BAKER HUGHES SAFETY, HEALTH & ENVIRONMENTAL DEPARTMENT, ENVIRONMENTAL ASSESSMENT REPORT, PHASE I & II. DATED JUNE 1996

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SITE MAP

MANUFACTURING FACILITY
9484 MISSION PARK PLACE
SANTEE, CALIFORNIA

PROJECT NO.	DATE	FIGURE
103386-01	6/97	2

TABLE 1 – AERIAL PHOTOGRAPHS REVIEWED

Date	Photograph Number	Comments	Source
1928	54 B-8 & B-9	Agricultural Use	A
4/14/53	AXN-9M-70	Agricultural Use	B
2/2/65	#2900	Vacant land/no structures	C
2/26/69	#4325	Vacant land/no structures	C
3/18/70	30, 218	Site developed	C
8/28/75	7568	Site developed	C
1/2/80	OH11	Site developed	C
1/1/85	SD 85-12I	Site developed	C
1/23/90	SD 90-12I	Site developed	C
4/6/96	SUSD 96-12I	Site developed	C

Sources: A – San Diego County Department of Public Works
B – Ninyo & Moore
C – Aerial Fotobank, Inc., San Diego, California

STREET ADDRESS		OWNERS NAME	PURGED DATE	CENSUS TRACT	CLASS CODE	NUM OF PERMITS	ISSUE DATE	PERMIT NUMBER
9444	MISSION PARK PLACE	FLYNN LEO	10/02/74F	166.04	408-E	1	09/27/74	1-087142
9484	MISSION PARK PLACE	AMETEK-US BELLOWS	02/26/76F	166.04	24-B	1	11/20/75	1-124045
9484	MISSION PARK PLACE	AMETEK-US BELLOWS	02/26/76F	166.04	424-E	1	11/20/75	1-124044
9842	MISSION VEGA RD	MISSION LA VEGA	04/21/76F	166.02	504-P	1	04/06/76	3-138136
9730	MISSON GORGE RD	SAVON DRUG INC.	10/17/79F	166.03	25-B	1	06/27/78	3-217014
9730	MISSON GORGE RD	SAVON DRUG INC.	10/17/79F	166.03	425-E	1	06/27/78	3-217015
9730	MISSON GORGE RD	SAVON DRUG INC.	10/17/79F	166.03	525-P	1	06/27/78	3-217[illegible]
9525	MISSON GORGE RD,.SANTEE	PAR DEVELOPMENT	11/02/78F	166.02	31-B	1	03/08/78	3-208179
9525	MISSON GORGE RD,.SANTEE	PAR DEVELOPMENT	11/02/78F	166.02	23-B	1	03/08/78	3-208178
9525	MISSON GORGE RD,.SANTEE	PAR DEVELOPMENT	11/02/78F	166.02	423-E	1	03/08/78	3-208180
9525	MISSON GORGE RD,.SANTEE	PAR DEVELOPMENT	11/02/78F	166.02	512-P	1	03/08/78	3-208182
9525	MISSON GORGE RD,.SANTEE	PAR DEVELOPMENT	11/02/78F	166.02	412-E	1	03/08/78	3-208181
0207	MOLINA RD	RYAN	04/29/77F	166.04	412-E	1	06/22/76	1-148140
0207	MOLINA RD	RYAN	04/29/77F	166.04	12-B	1	06/22/76	1-148139
0207	MOLINA RD	RYAN	04/29/77F	166.04	12-B	1	06/22/76	1-148137
0207	MOLINA RD	RYAN	04/29/77F	166.04	12-B	1	06/22/76	1-148138
0238	MOLINA ROAD	GETZ,JACK	07/18/78F	166.04	535-P	1	06/22/78	1-211111
0238	MOLINA ROAD	GETZ,JACK	07/18/78F	166.04	435-E	1	06/22/78	1-211112
0213	MOLINE RD	BAIRD PETER	05/08/74F	166.04	404-E	1	05/06/74	1-079[illegible]
0255	MOLINO	SNOW EDWARD J	04/29/75F	166.04	31-B	1	02/28/75	1-097424
0318	MOLINO	GENTEEL P	10/20/75F	166.04	35-B	1	09/05/75	3-116289
0318	MOLINO	GENTEEL P	10/20/75F	166.04	535-P	1	09/05/75	3-116286
0318	MOLINO	GENTEEL P	10/20/75F	166.04	435-E	1	09/05/75	3-116287
0261	MOLINO DR	MC ALLESTER JESSE	07/23/74F	166.04	32-B	1	07/15/74	1-081025
0309	MOLINO DR	VERDUSCO JOHN	06/23/75A	166.04	35-B	1	05/27/75	1-105418
0309	MOLINO DR	VERDUSCO JOHN	06/23/75A	166.04	435-E	1	05/27/75	1-105417

STREET ADDRESS		OWNERS NAME	PURGED DATE	CENSUS TRACT	CLASS CODE	NUM OF PERMITS	ISSUE DATE	PERMIT NUMBER
0041	MISSION GORGR RD	F W WOOLWORTH CO	11/04/80F	166.03	400-E	1	06/26/80	1-245454
9861	MISSION GREEENS CT	LIPOMA J	04/29/81F	166.02	11-B	1	03/23/79	3-232654
9861	MISSION GREEENS CT	LIPOMA J	04/29/81F	166.02	511-P	1	03/23/79	3-232656
9861	MISSION GREEENS CT	LIPOMA J	04/29/81F	166.02	411-E	1	03/23/79	3-232655
9861	MISSION GREEN CT	LIPOMA J	07/19/76F	166.02	504-P	1	07/16/76	3-151481
9861	MISSION GREENS CT	MOYER RICHARD JOHN JR	03/24/76F	166.02	404-E	1	08/22/74	1-084467
9312	MISSION GRG RD	KOPPERUD BURTON L	04/07/75F	166.03	404-E	1	04/02/75	3-100[redacted]
9551	MISSION GRG RD	SCHARFENBERG GORDON L	11/20/74F	166.02	421-E	1	07/23/74	3-081724
7598	MISSION GROGE RD.	FOTOMAT	10/17/79F	166.03	26-B	1	05/02/79	1-227776
7598	MISSION GROGE RD.	FOTOMAT	10/17/79F	166.03	426-E	1	05/02/79	1-227775
3809	MISSION GROGE RD.	CULLIANA ROBERT	ACTIVE	166.02	500-P	1	03/09/79	1-225016
9714	MISSION GROGE RD.	LA JOLLA FEDERAL	09/14/79F	166.03	524-P	1	04/04/79	1-226331
9714	MISSION GROGE RD.	LA JOLLA FEDERAL	09/14/79F	166.03	31-B	1	04/04/79	1-226329
9714	MISSION GROGE RD.	LA JOLLA FEDERAL	09/14/79F	166.03	424-E	1	04/04/79	1-226330
3665	MISSION GRORGE RD	COLEMAN	10/01/81E	166.03	500-P	1	08/01/80	1-246732
1015	MISSION PARK CT	KETTENBURG BOAT WORKS	05/06/74F	166.04	104-B	1	08/30/73	3-054542
1015	MISSION PARK CT	WHITTAKER	08/12/76F	166.04	35-B	1	07/02/76	3-149665
1015	MISSION PARK CT	WHITTAKER CORP	11/03/76F	166.04	502-P	1	11/01/76	3-164039
1015	MISSION PARK CT	WHITTAKER	08/12/76F	166.04	31-B	1	07/02/76	3-149[redacted]
1015	MISSION PARK CT	WHITTAKER	08/12/76F	166.04	435-E	1	07/02/76	3-149662
1015	MISSION PARK CT	WHITTAKER	08/12/76F	166.04	535-P	1	07/02/76	3-149661
1015	MISSION PARK CT	KETTENBERG MARINE	09/25/75F	166.04	31-B	1	09/20/73	1-056434
7484	MISSION PARK PL	U S BELLOWS	02/26/76F	166.04	22-B	1	11/10/75	3-123014
9484	MISSION PARK PL	U S BELLOWS CORP	12/31/73F	166.04	423-E	1	10/24/73	3-059206
9484	MISSION PARK PL	U S BELLOWS CORPORATION	12/31/73F	166.04	32-B	1	08/23/73	3-053904
9484	MISSION PARK PL	U S BELLOWS CORP	12/31/73F	166.04	23-B	1	10/24/73	3-059207

CLASS CODES AND BUREAU CODES

Effective Date 2-6-81

BUILDING PERMITS			ELECTRICAL PERMITS		PLUMBING PERMITS		MECHANICAL PERMITS	
CC	BC		CC		CC		CC	
100			400	TEMPORARY SERVICE	500	WATER HEATER/SOFTENER	600	CENTRAL HEATING (FAU)
101		ST APPROVED MODULE (Stick)	401	TOP	501	SEWER HOOKUP	601	FUR/WALL/UNIT/RU HEATER
102	1	ST APP FACTORY BLT (1/2 Fee)	402	TESTING	502	GAS	602	AIR COND/REFRIG SYSTEM
103	1	FACTORY BLT NOT ST APP	403	PUMP	503	IRRIGATION SYSTEM	603	KIT HOOD/DUCT/FAN
104		MISC	404	MISC	504	BACKFLOW PREVENTER/MISC	604	MISC/INCINERATORS/EVAP
105		REINSPECTION	405	REINSPECTION	505	REINSPECTION	605	REINSPECTION
106		RENEWAL	406	RENEWAL	506	RENEWAL	606	RENEWAL
107		SUPPLEMENTAL	407	SUPPLEMENTAL	507	SUPPLEMENTAL	607	SUPPLEMENTAL
108		CONDO CONVERSION	408	NEW/RELOC/CHANGE OF/SERVICE	508		XXX	
109		ENFORCEMENT	409	ENFORCEMENT	509	ENFORCEMENT	XXX	
110			410	FACTORY BUILT	510	FACTORY BUILT	610	FACTORY BUILT
11	21	RES ADD/ALTER TO 5H	411		511		611	
12	21	RES ADD/ALTER TO 5H & UP	412		512		612	
13	1	DWELLING TO 40M	413		513		613	
13	5	"MOVE-ON" DWELLING TO 40M	413		513		613	
14	1	DWELLING 40M TO 80M	414		514		614	
14	5	"MOVE-ON" DWELLING 40M TO 80M	414		514		614	
15	1	DWELLING 80M AND UP	415		515		615	
15	5	"MOVE-ON" DWELLING 80M & UP	415		515		615	
16	1	TRACT TO 36M	416		516		616	
17	1	TRACT 36M & UP	417		517		617	
2--*	3	MULTIPLES--3 OR 4 DWELL UNITS	419		519		619	
2--*	4	MULTIPLES--5 OR MORE DWELL UNITS	419		519		619	
3--*	1	PRD (Postage Stamp Lots)	414		514		614	
20	23	DEMOLITION--HOUSEKEEP RES	XXX		XXX		XXX	
20	24	DEMOLITION--OTHER	XXX		XXX		621	
21	22	COMM ADD/ALTER TO 5H	421		521		622	
22	22	COMM ADD/ALTER 5H & UP	422		522		623	
23	**	COMM/PUBLIC TO 40M	423		523		624	
24	**	COMM/PUBLIC 40M TO 100M	424		524		625	
25	**	COMM/PUBLIC 100M & UP	425		525		XXX	
26	20	SIGNS	426		XXX		627	
201	21	ADD SFD TO EXIST SFD	427		527		627	
202	2	DUPLEXES	427		527		XXX	
31	20	FENCES AND WALLS	XXX		XXX		632	
32	19	PATIOS/PORCHES/DECKS	432		XXX		633	
33	12	DETACHED GARAGES	433		533		633A	
33A	19	ACCESSORY BUILDING	433A		533A		634	
34	19	AGRICULTURAL BUILDINGS	434		534		635	
35	20	SWIMMING POOLS	435		535		XXX	
36		DRIVEWAY PERMITS	XXX		XXX		XXX	
37		GRADING PERMITS	XXX		XXX		XXX	
38		COMPLIANCE SURVEYS	XXX		XXX		XXX	

CC 779 For SAN Fee, CC 980 for THOROUGHFARE/BRIDGE Fee ** See Reverse Side of this sheet for Bureau Codes.

MOBILEHOME PARK CONSTRUCTION PERMIT		
900		PARK PROPER CONSTRUCTION
901 *		CONSTRUCTION ON LOT
902		MOBILEHOME INSTALLATION
903	2	REINSPECTION
905	2	PLAN CHECK

* Add number of dwelling units in the blanks.
(Example: 4 unit apartment = 204
10 unit apartment = 210)
(PRD of 8 attached dwelling units = 308)
(PRD of a single dwelling unit = 301).

Class Codes for Miscellaneous Structures:

104 for fireplace, foundation, roof covering, new siding or stucco, new interior wall covering only (Paneling, Drywall, Plaster).
400 for authorizing temporary service on a pole or on a permanent base.
401 for authorizing temporary service to a mobilehome when the mobilehome is authorized by a Trailer Coach use permit issued by the Health Department under Section 56.220 of the County Code of Regulatory Ordinances.
502 for Gas Service and Temporary Gas Service (Testing, Drying Plaster).
107 for any change in plan or additional building permit.
11 or 12 for add/alter on SFD, Duplex or PRD (Postage Stamp Lot).
21 or 22 for add/alter on a condominium, apartment, commercial or public building.
23, 24 or 25 for recreation building in a PRD, condominium or apartment complex.

PARK FEES	
990	FOR $200
989	FOR $145
988	FOR $115

(OVER)

CITY OF SANTEE

DEPARTMENT OF PLANNING AND BUILDING DEVELOPMENT SERVICES — 10601 CAMPO ROAD, SANTEE, CA 92071 — (619) 258-4100 — FAX (619) 562-2976

INFORMATION WITHIN SHADED AREA AS REQUIRED BY LAW

BUILDING INSPECTION APPLICATION & PERMIT

SITE ADDRESS (IF UNKNOWN, LEAVE BLANK): 9484 Mission Park Place		DATE OF APPLICATION: 8-2-90	BUSINESS LICENSE #: 008647	BUILDING SQ. FOOTAGE:	CLASS CODE: 000
OWNER'S NAME: Ketema	OWNER'S PHONE: 448-0202	PRIME CONTRACTOR: David P. Walterhouse	STATE LICENSE #: 289440		PLAN CHECK #: OTC
OWNER'S MAILING ADDRESS: PO Box 1406		CONTRACTOR'S ADDRESS: 1292 Arnold Way		VALUATION:	PERMIT NO: 90-5578
LOT-BLOCK	MAP NO.	ASSESSOR'S PARCEL NO	Alpine Ca 92001	CONTRACTOR'S PHONE: 445-9397	STANDARD PLAN #:
DESCRIPTION OF WORK: Add A/C (Heat Pump)		DESIGNER		STATE LICENSE #	FINANCE DEPT. VALIDATION: CASHIER: C. Christensen DATE: 8/7/90
F/P FLR. EVAL. ☐	FIRE SPR. YES NO	A-C YES NO	CENSUS TRACT	T.B. MAP	ZONING APPROVED: C. Justice Screened from S
NO. OF STORIES	TYPE OF CONST.	OCC. GROUP	OCC. LOAD	ZONING INFO	

EVOKED

QTY.	PLUMBING PERMIT ☐	AMT. $
	EACH FIXTURE TRAP	
	EACH BUILDING SEWER	
	EACH WATER HEATER AND/OR VENT	
	EACH GAS SYSTEM OUTLETS	
	INSTAL. ALTER. REPAIR WATER PIPE	
	VACUUM BREAKER/LAWN IRRIG.	
	TOTAL PLUMBING	$

QTY.	MECHANICAL PERMIT ☐	AMT. $ 15.00
	INSTALL FURN. DUCTS	
	WALL HEATER	9.00
1	BOILER/COMPRESSOR	
	EACH GAS SYSTEM OUTLETS	
	VENT FAN SINGLE DUCT	
	MECH. EXHAUST-HOOD/DUCTS	
	EXTEND DUCTING	
	TOTAL MECHANICAL	$ 24.00

QTY	ELECTRICAL PERMIT ☐	AMT. $ 15.00
	PERMANENT SERVICE: New service or to increase an existing service. Ampacity	
	Ampacity	
	TEMPORARY SERVICE: ☐ Construction* ☐ T.S.P.B.* ☐ T.O.P.* ☐ Testing (Valid for 30 days)	
	☐	
	☐	
1	MISCELLANEOUS WIRING	2000
	* EXPIRES WHEN BUILDING PERMIT EXPIRES.	
	TOTAL ELECTRICAL	$ 3500

HAZARDOUS MATERIALS YES NO

INDICATE IF THE PROPOSED USE OF THE BUILDING OR STRUCTURE WILL INVOLVE USAGE OF CHEMICALS OR OTHER ACUTELY HAZARDOUS MATERIALS. INDICATING "YES" ALSO ACKNOWLEDGES THAT HEALTH AND SAFETY CODE SECTIONS 25505, 25533 AND 25534 AS WELL AS FILING DIRECTIONS WERE MADE AVAILABLE TO YOU

FEE SUMMARY

	$
PLAN CHECK	
BUILDING: ISSUANCE	
PERMIT	
PLUMBING	
MECHANICAL	24.00
ELECTRICAL	35.00
DEMOLITION PERMIT	
REINSPECTION FEE	
PERMIT HISTORY SEARCH	
SUBTOTAL	$ 59.00
S.M.I.P. (SEISMIC)	
$6.50	
TOTAL FEES PAYABLE TO THE CITY OF SANTEE	$ 59.00

INSPECTION VALIDATED

I HAVE CAREFULLY EXAMINED THE COMPLETED APPLICATION PERMIT, AND DO HEREBY CERTIFY UNDER PENALTY OF PERJURY THAT ALL INFORMATION HEREON INCLUDING THE DECLARATIONS ARE TRUE AND CORRECT AND THAT I FURTHER CERTIFY AND AGREE IF A PERMIT IS ISSUED; TO COMPLY WITH ALL CITY, COUNTY AND STATE LAWS GOVERNING BUILDING CONSTRUCTION, WHETHER SPECIFIED HEREIN OR NOT. I ALSO AGREE TO SAVE, INDEMNIFY, AND KEEP HARMLESS THE CITY AGAINST ALL LIABILITIES, COSTS AND EXPENSES WHICH MAY, IN ANY WAY, ACCRUE AGAINST SAID CITY IN CONSEQUENCE OF THE GRANTING OF THIS PERMIT.

APPLICANT'S SIGNATURE X David P Walte

Expiration. Every permit issued by the Building Official under the provisions of this Code shall expire by limitation and become null and void if the building or work authorized by such permit is not commenced within 180 days from the date of such permit, or if the building or work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 180 days.

OWNER ☐ CONTRACTOR ☒ AGENT ☐

AN OSHA PERMIT IS REQUIRED FOR EXCAVATIONS OVER 5'0" DEEP AND DEMOLITION OR CONSTRUCTION OF STRUCTURES OVER 3 STORIES IN HEIGHT

APPROVED: [signature] DATE: 8/7/90

1/90

DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT — Santee, CA 92071-3198/(619) 562-6153

INSPECTION RECORD

SITE ADDRESS: 9484 Mission Pk. Place — OWNER: Pettitt

DESCRIPTION OF WORK: Add A/C (Heat Pump) — TYPE OF CONST: — PERMIT# 90598

OCC GROUP (S): — OCC LOAD (S):

	INSPECTOR	DATE
1 SETBACKS		
2 UNDERGRD ELEC		
3 UNDERGRD PLBG		
4 UNDERGRD WATER		
5 WATER PRESSURE CARD		
6 SWIMMING POOL BOND		
7 REINFORC STEEL		
8 FOUNDATION		
9 UNDERGRD MECH		
10 GROUNDING ELECTRODE		
FDN D DRIVEN D		
11 PIERS		
12 MASONRY		

	INSPECTOR	DATE
1 ROUGH ELECTRICAL		
2 ROUGH PLUMBING		
3 WATER & VENTS		
4 GAS LINES		
5 TUB & SHOWER		
6 FRAMING		
7 ROUGH HEATING		
8 AIRCONDITIONING		
9 INSULATION		
10		
11		

INSPECTIONS TO BE REQUESTED AND MADE AFTER LATH AND WIRE ARE APPLIED

	INSPECTOR	DATE
1 LATH DRY WALL		
2 ELECTRIC HEAT		

MISCELLANEOUS INSPECTIONS TO BE MADE ANYTIME BEFORE FINAL INSPECTION

	INSPECTOR	DATE
1 WATER SERVICE		
2 BUILDING SEWER		
3 SEWER CONNECTION		
4 TEMP CONST ELECT		
5 WATER HEATER VENT		
6		
7		

REQUIRED SPECIAL INSPECTIONS

INSPECTION	REQ IF CHECKED	INSPECTOR'S APPROVAL	DATE
SOILS COMPLIANCE PRIOR TO FOUNDATION INSP			
STRUCTURAL CONCRETE OVER 2500 PSI			
PRESTRESSED CONCRETE			
POST TENSIONED CONCRETE			
FIELD WELDING			
HIGH STRENGTH BOLTS			
SPECIAL MASONRY			
FINAL CERTIFICATE OF COMPLIANCE			

FIRE DEPARTMENT INSPECTIONS

INSPECTIONS	*	INSPECTOR	DATE
U. G HYDRO TEST*			
U. G FLUSH*			
OVERHEAD TEST*			
FIRE ALARM ROUGH**			
HOOD SYS TEST*			

* IF CHECKED, APPROVAL IS REQUIRED PRIOR TO FINAL OCCUPANCY

** IF CHECKED, APPROVAL IS REQUIRED PRIOR TO FRAMING INSPECTION

FINAL INSPECTIONS	★	INSPECTOR	DATE
PUBLIC WORKS			
FIRE DEPARTMENT			
PLANNING/ZONING			
HEALTH DEPARTMENT			
BUILDING			
ELECTRICAL		[illegible]	3-7-91
PLUMBING			
MECHANICAL			
APPROVED FOR OCCUPANCY			

* IF CHECKED, APPROVAL IS REQUIRED PRIOR TO FINAL INSPECTION

INSPECTOR'S NOTES 8/2/90

4:30 8/17/90 no one home JA

notice sent 2/21/91 Exp 3-7-91

CLEARANCES: GAS

ELECTRIC

CITY OF SANTEE — DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT — 10765 Woodside Avenue, Santee, CA 92071 — (619) 258-4100 ext. 153

APPLICANT TO FILL IN INFORMATION WITHIN SHADED AREAS AND DESCRIPTIONS

BUILDING INSPECTION — A CA & T II

SITE ADDRESS (IF UNKNOWN, LEAVE BLANK): 9284 MISSION PARK PLACE		DATE OF APPLICATION: 7/18/88	BUSINESS LICENSE #:	BUILDING SQ. FOOTAGE: 2,880-trailers; 1,352 misc.	CLASS CODE: 324
OWNER: [redacted] HIMETEK INC.	OWNER'S PHONE:	PRIME CONTRACTOR: owner	STATE LICENSE #:		PLAN CHECK NO.: 124-88
OWNER'S ADDRESS: P.O. BOX 'D' SANTEE, CA. 92071		CONTRACTOR'S ADDRESS:		VALUATION: 85,264.	PERMIT NO: 88-577
BLOCK: 11-0045	MAP NO.: 1594	ASSESSOR'S PARCEL NO.: 381-070-56	CONTRACTOR'S PHONE:	STANDARD PLAN #: —	
DESCRIPTION OF WORK: move on mobile offices - [redacted] awnings, stairs & ramps		DESIGNER: SWANSON DRAFTING	STATE LICENSE #:	FINANCE DEPT. VALIDATION: CASHIER; DATE	
		FIRE DEPT. ELEV: FT.	FIRE SPR: YES NO	A/C: YES NO	CENSUS TRACT:
		T.B. MAP:	ZONING INFO:	ZONING APPROVED:	
NO. OF STORIES:	TYPE OF CONST:	OCC. GROUP:	OCC. LOAD:		

QTY	PLUMBING PERMIT ☐	AMT.
1		$15.00
4	EACH FIXTURE TRAP	10.00
	EACH BUILDING SEWER	
	EACH WATER HEATER AND/OR VENT	
	EACH GAS SYSTEM OUTLETS	
1	INSTAL. ALTER. REPAIR WATER PIPE	2.50
1	VACUUM BREAKER / LAWN IRRIG.	2.50
	TOTAL PLUMBING	$ 30.00

QTY.	MECHANICAL PERMIT ☐	AMT
1		$15.00
	INSTALL FURN. DUCTS	
	WALL HEATER	
	BOILER / COMPRESSOR	
	FAN COIL	
2	VENT FAN SINGLE DUCT	9.00
	MECH. EXHAUST - HOOD / DUCTS	
	EXTEND DUCTING	
	TOTAL MECHANICAL	$ 24.00

QTY	ELECTRICAL PERMIT ☐	AMT
1		$15.00
4	PERMANENT SERVICE: New service or to increase an existing service. Amperage 400	60.00
	Amperage	
	TEMPORARY SERVICE: ☐ Construction* ☐ T.S.P.B.* ☐ T.O.P.* ☐ Testing (Valid for 30 days)	
	☐	
	☐	
	MISCELLANEOUS WIRING	
	EXPIRES WHEN BUILDING PERMIT EXPIRES	
	TOTAL ELECTRICAL	$ 75.00

374.72 total P.C.
99.46 d.e.p.

FEE SUMMARY

PLAN CHECK 99.46 d.e.p.	$ 275.28
BUILDING ISSUANCE	15.00
PERMIT	576.50
PLUMBING	30.00
MECHANICAL	24.00
ELECTRICAL Invest. fee	150.00
DEMOLITION PERMIT	
Invest. fee	572.00
PERMIT HISTORY SEARCH	
SUBTOTAL	$ 1,642.78
S.M.I.P. (SEISMIC) Comm.	12.90
P.C. #1.5732	
TOTAL FEES PAYABLE TO THE CITY OF SANTEE	$ 1,655.68

I HAVE CAREFULLY EXAMINED THE COMPLETED APPLICATION PERMIT, AND DO HEREBY CERTIFY UNDER PENALTY OF PERJURY THAT ALL INFORMATION HEREON INCLUDING THE DECLARATIONS ARE TRUE AND CORRECT AND I FURTHER CERTIFY AND AGREE IF A PERMIT IS ISSUED, TO COMPLY WITH ALL CITY, COUNTY AND STATE LAWS GOVERNING BUILDING CONSTRUCTION, WHETHER SPECIFIED HEREIN OR NOT. I ALSO AGREE TO SAVE INDEMNIFY AND KEEP HARMLESS THE CITY AGAINST ALL LIABILITIES, COSTS AND EXPENSES WHICH MAY, IN ANY WAY, ACCRUE AGAINST SAID CITY IN CONSEQUENCE OF THE GRANTING OF THIS PERMIT.

APPLICANT'S SIGNATURE: X Pamela Swanson

Expiration. Every permit issued by the Building Official under the provisions of this Code shall expire by limitation and become null and void, if the building or work authorized by such permit is not commenced within 180 days from the date of such permit, or if the building or work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 180 days.

OWNER ☐ CONTRACTOR ☐ AGENT ☑

AN OSHA PERMIT IS REQUIRED FOR EXCAVATIONS OVER 5'0" DEEP AND DEMOLITION OR CONSTRUCTION OF STRUCTURES OVER 3 STORIES IN HEIGHT.

APPROVED: Brenda K. Martin DATE: 10-12

7/87

CITY OF SANTEE

DEPARTMENT OF PLANNI... ID CC ...IITY D ...OPME 10765 Woodside Avenue S CA ... -319... ...) 56... ...3

INSPECTION RECORD

SITE ADDRESS: 9484 Mission Park Pl.

OWNER: Anietek, Inc.

DESCRIPTION OF WORK: move-on trailer offices

TYPE OF CONST:

PERMIT# 88-577

OCC. GROUP (S)

OCC LOAD (S): 48 C 4

	INSPECTOR	DATE
1 SETBACKS		
2. UNDERGRD ELEC		
3 UNDERGRD PLBG		
4 UNDERGRD WATER		
5 WATER PRESSURE CARD		
6 SWIMMING POOL BOND		
7 REINFORC STEEL	Buck	11-29-88
8 FOUNDATION		
9 UNDERGRD MECH		
10 GROUNDING ELECTRODE		
FON ☐ DRIVEN ☐		
11. PIERS		
12. MASONRY		

	INSPECTOR	DATE
1 ROUGH ELECTRICAL		
2. ROUGH PLUMBING		
3 WATER & VENTS		
4. GAS LINES		
5. TUB & SHOWER		
6. FRAMING		
7. ROUGH HEATING		
8 AIRCONDITIONING		
9 INSULATION		
10.		
11		

INSPECTIONS TO BE REQUESTED AND MADE AFTER LATH AND WIRE ARE APPLIED

	INSPECTOR	DATE
1. LATH/DRY WALL		
2 ELECTRIC HEAT		

MISCELLANEOUS INSPECTIONS TO BE MADE ANYTIME BEFORE FINAL INSPECTION

	INSPECTOR	DATE
1. WATER SERVICE		
2 BUILDING SEWER		
3 SEWER CONNECTION		
4 TEMP CONST ELECT		
5 * WATER HEATER/VENT		
6		
7		

REQUIRED SPECIAL INSPECTIONS

INSPECTION	REQ. IF CHECKED	INSPECTOR'S APPROVAL	DATE
SOILS COMPLIANCE PRIOR TO FOUNDATION INSP			
STRUCTURAL CONCRETE OVER 2000 PSI			
PRESTRESSED CONCRETE			
POST TENSIONED CONCRETE			
FIELD WELDING			
HIGH STRENGTH BOLTS			
SPECIAL MASONRY			
FINAL CERTIFICATE OF COMPLIANCE			

FINAL INSPECTIONS	*	INSPECTOR	DATE
PUBLIC WORKS	X		
FIRE DEPARTMENT	X		
PLANNING/ZONING	X		
BUILDING			
ELECTRICAL			
PLUMBING			
MECHANICAL			
APPROVED FOR OCCUPACY			

* IF CHECKED, APPROVAL IS REQUIRED PRIOR TO FINAL INSPECTION

INSPECTOR'S NOTES 10/12

OK TO INSTALL SKIRTIN

Pwl 12-9-8

CLEARANCES: GAS:

ELECTRIC.

SITE ASSESSMENT PLUS REPORT

PROPERTY INFORMATION	CLIENT INFORMATION
Project Name/Ref #: 103386-01 Manufacturing Facility 9484 Mission Park Place Santee, CA 92071 Latitude/Longitude: (32.848140, 116.957307)	Peter Clark Ninyo Moore 10225 Barnes Canyon Road San Diego, CA 92121

Site Distribution Summary Agency / Database - Type of Records			within 1/8 mile	1/8 to 1/4 mile	1/4 to 1/2 mile	1/2 to 1 mile
A) Databases searched to 1 mile:						
US EPA	NPL	National Priority List	0	0	0	0
US EPA	CORRACTS	RCRA Corrective Actions	0	0	0	0
US EPA	TSD	RCRA permitted treatment, storage, disposal facilities	0	0	0	0
STATE	SPL	State equivalent priority list	0	0	0	0
STATE	SCL	State equivalent CERCLIS list	0	0	0	1
B) Databases searched to 1/2 mile:						
US EPA	CERCLIS / NFRAP	Sites currently or formerly under review by US EPA	0	0	0	-
STATE REG CO	LUST	Leaking Underground Storage Tanks	0	0	2	-
STATE/ REG/CO	SWLF	Permitted as solid waste landfills, incinerators, or transfer stations	0	0	0	-
STATE	DEED RSTR	Sites with deed restrictions	0	0	0	-
STATE	CORTESE	State index of properties with hazardous waste	0	0	1	-
STATE	TOXIC PITS	Toxic Pits cleanup facilities	0	0	0	-
C) Databases searched to 1/4 mile:						
US EPA	RCRA Viol	RCRA violations/enforcement actions	0	0	-	-
US EPA	TRIS	Toxic Release Inventory database	0	1	-	-
STATE	UST/AST	Registered underground or aboveground storage tanks	1	2	-	-

Site Distribution Summary Agency / Database - Type of Records			within 1/8 mile	1/8 to 1/4 mile	1/4 to 1/2 mile	1/2 to 1 mile
D) Databases searched to 1/8 mile:						
US EPA	ERNS	Emergency Response Notification System of spills	0	-	-	-
US EPA	GNRTR	RCRA registered small or large generators of hazardous waste	3	-	-	-
COUNTY	HE17	SD County unauthorized release list	7	-	-	-

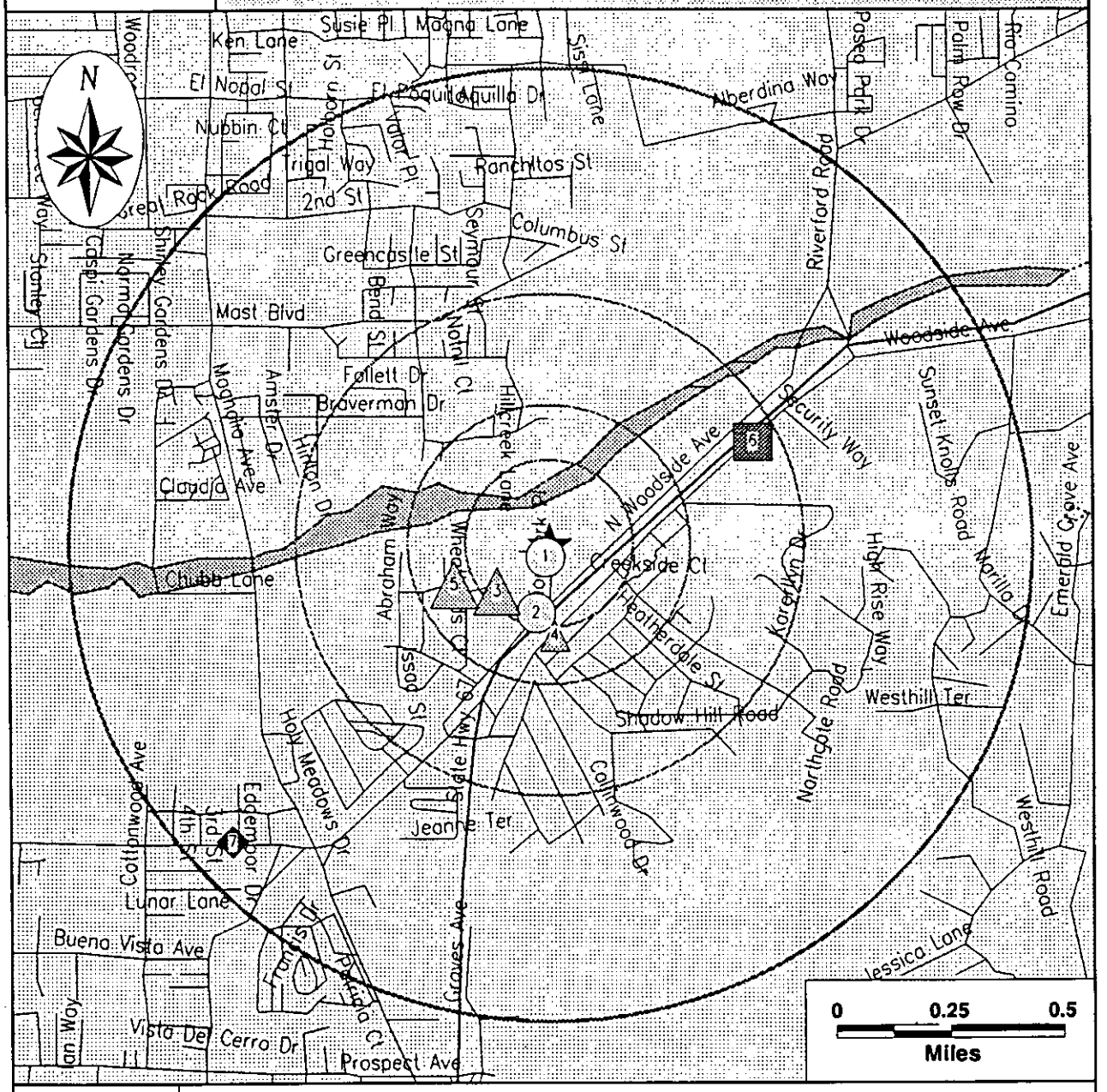
This report meets the ASTM standard E-1527 for standard federal and state government database research in a Phase I environmental site assessment. A (-) indicates a distance not searched because it exceeds these ASTM search parameters.

LIMITATION OF LIABILITY
Customer proceeds at its own risk in choosing to rely on VISTA services, in whole or in part, prior to proceeding with any transaction. VISTA cannot be an insurer of the accuracy of the information, errors occuring in conversion of data, or for customer's use of data. VISTA and its affiliated companies, officers, agents, employees and independent contractors cannot be held liable for accuracy, storage, delivery, loss or expense suffered by customer resulting directly or indirectly from any information provided by VISTA.

NOTES

SITE ASSESSMENT PLUS REPORT

Map of Sites within One Mile



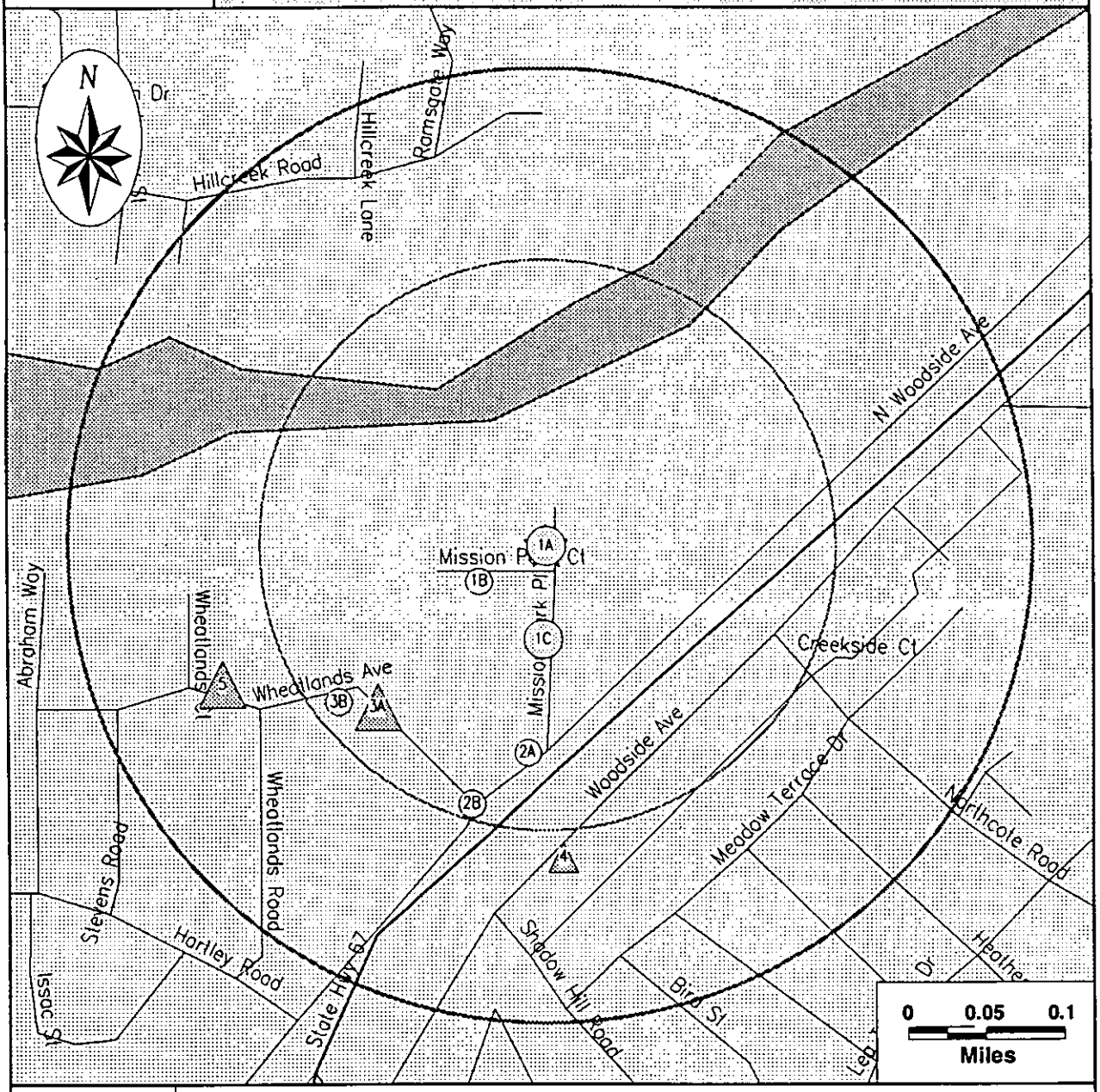
Subject Site	Category:	A	B	C	D
★	Databases Searched to:	1 mi.	1/2 mi.	1/4 mi.	1/8 mi.
	Single Sites	◆	■	△	○
	Multiple Sites	◆	■	△	○
		NPL, SPL, SCL, TSD, CORRACTS	CERCLIS\ NFRAP, LUST, SWLF	RCRA VIOL, TRIS, UST	ERNS, GENERATORS

Highways and Major Roads
Roads
Railroads
Rivers or Water Bodies
Utilities

For More Information Call VISTA Information Solutions, Inc. at **1 - 800 - 767 - 0403**
Report ID: **103386001**
Date of Report: **May 7, 1997**

SITE ASSESSMENT PLUS REPORT

Map of Sites within Quarter Mile



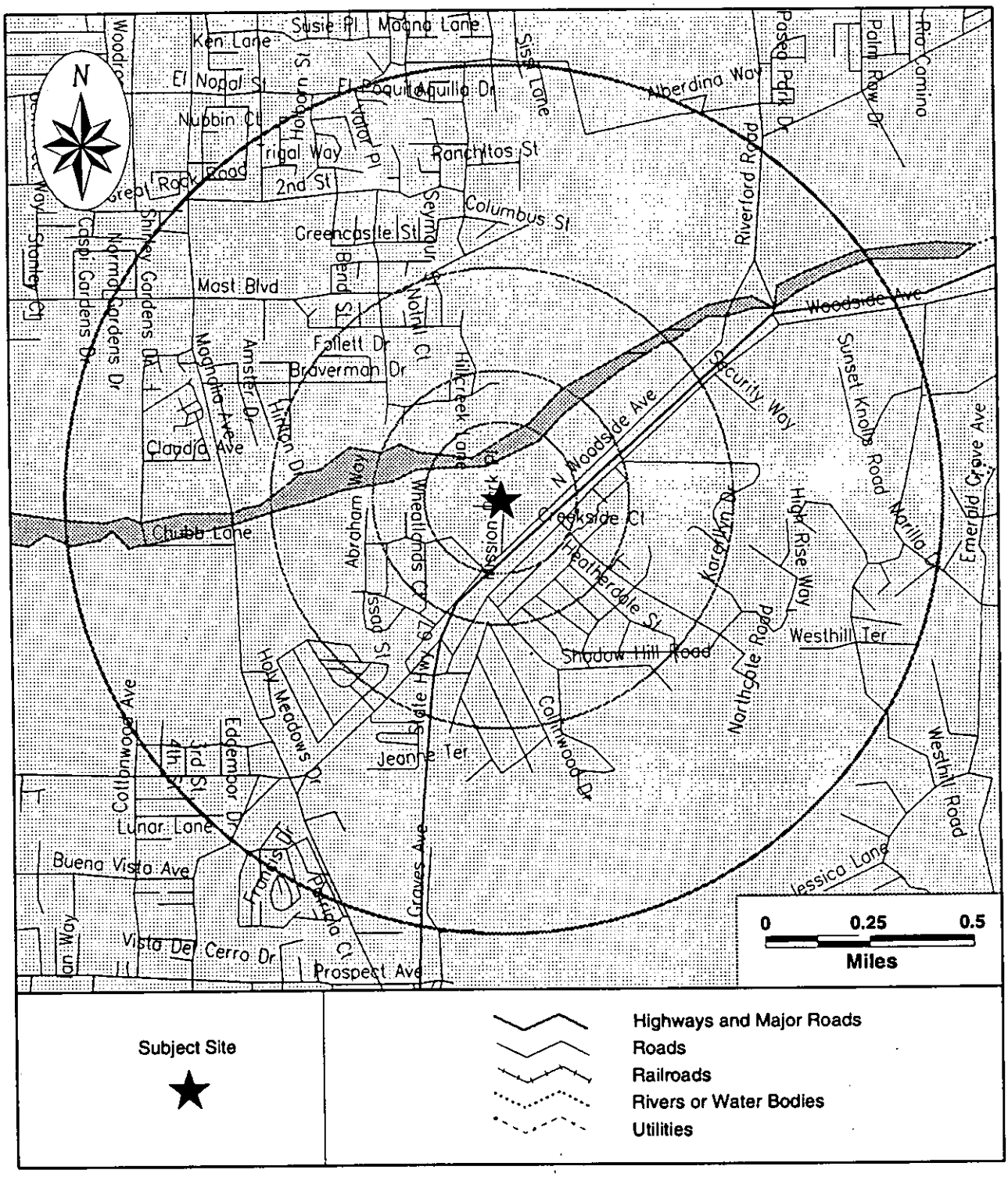
Subject Site	Category:	A	B	C	D
★	Databases Searched to:	1 mi.	1/2 mi.	1/4 mi.	1/8 mi.
	Single Sites	◆	■	▲	○
	Multiple Sites	◆	■	▲	○
		NPL, SPL, SCL, TSD, CORRACTS	CERCLIS\ NFRAP, LUST, SWLF	RCRA VIOL, TRIS, UST	ERNS, GENERATORS

Highways and Major Roads
Roads
Railroads
Rivers or Water Bodies
Utilities

For More Information Call VISTA Information Solutions, Inc. at **1 - 800 - 767 - 0403**
Report ID: **103386001**
Date of Report: **May 7, 1997**

SITE ASSESSMENT PLUS REPORT

Street Map



SITE ASSESSMENT PLUS REPORT

SITE INVENTORY

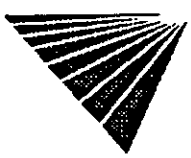
MAP ID	PROPERTY AND THE ADJACENT AREA (within 1/8 mile)	VISTA ID / DISTANCE / DIRECTION	A					B							C			D		
			NPL	CORRACTS	TSD	SPL	SCL	CERCLIS/NFRAP	LUST	SWLF	DEED RSTR	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR	HE17
1A	AMETEK, INC SANTEE DIV 9484 MISSION PARK PLACE SANTEE, CA 92071	16286 0.00 MI E																X	
1A	KETEMA PROCESS EQUIPMENT 9484 MISSION PARK PL SANTEE, CA 92071	5441738 0.00 MI SE																	X
1B	WHITTAKER CORP 11015 MISSION PARK ST SANTEE, CA 92071	468839 0.00 MI SW																X	
1C	TOWN AND COUNTRY PRINTERS 9448 MISSION PARK PL SANTEE, CA 92071	5441737 0.00 MI S																	X
1C	WELDING WORKS 9444 MISSION PARK PL SANTEE, CA 92071	5441736 <0.01 MI S																	X
2A	C H AUTO BODY 10996 NORTH WOODSIDE SANTEE, CA 92071	78450 0.08 MI S																X	
2B	HANSON MACHINE 10969 WHEATLANDS AV SANTEE, CA 92071	5606497 0.11 MI S																	X
3A	CUSTOM CRAFT MARBLE 10848 WHEATLANDS AV SANTEE, CA 92071	5448012 0.09 MI SW														X			X
3A	DANCO SECURITY 10845 WHEATLANDS AV SANTEE, CA 92071	5448011 0.10 MI SW																	X
3B	STORY'S MACHINE 10845 WHEATLANDS AV SANTEE, CA 92071	6521923 0.11 MI SW																	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	SCL	CERCLIS/NFRAP	LUST	SWLF	DEED RSTR	CORTESE	TOXIC PITS		RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR	HE17
4	CIRCLE K STORE #2959 11007 WOODSIDE AVE SANTEE, CA 92071	84854 0.14 MI S															X		•	•
5	CUSTOM CRAFT MARBLE 10848 WHEATLANDS AVE. SANTEE, CA 92071	4244485 0.17 MI W														X				
5	CUSTOM MARBLE NT0131 10848 WHEATLANDS SANTEE, CA 92071	3500608 0.17 MI W															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	SCL	CERCLIS/NFRAP	LUST	SWLF	DEED RSTR	CORTESE	TOXIC PITS		RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR	HE17
6	EL CAPITAN OIL COMPANY 11427 WOODSIDE AV SANTEE, CA 92071	4044070 0.44 MI NE							X								•			•
6	ANTHONY T. DITTY 11427 WOODSIDE AVENUE LAKESIDE, CA 92040	934793 0.44 MI NE							X			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	SCL	CERCLIS/NFRAP	LUST	SWLF	DEED RSTR	CORTESE	TOXIC PITS		RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR	HE17
7	DAVE'S AUTO SERVICE 10438 MISSION GORGE ROAD SANTEE, CA 92071	4035065 0.90 MI SW					X													

UNMAPPED SITES		A					B						C			D		
	VISTA ID	NPL	CORRACTS	TSD	SPL	SCL	CERCLIS/NFRAP	LUST	SWLF	DEED RSTR	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR	HE17
MATTHEWS DUMP LAKESIDE, CA 92040	5812735								X									



SITE ASSESSMENT PLUS REPORT

DETAILS

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

				Map ID
VISTA Address*:	AMETEK, INC SANTEE DIV 9484 MISSION PARK PLACE SANTEE, CA 92071	VISTA ID#: Distance/Direction: Plotted as:	16286 0.00 MI / E Point	1A
RCRA-SmGen - RCRA-Small Generator / SRC# 3284		EPA ID:	CAD981450232	
Agency Address:	*SAME AS ABOVE*			
Generator Class:	*Generates 100 kg./month but less than 1000 kg./month of non-acutely hazardous waste*			

				Map ID
VISTA Address*:	KETEMA PROCESS EQUIPMENT 9484 MISSION PARK PL SANTEE, CA 92071	VISTA ID#: Distance/Direction: Plotted as:	5441738 0.00 MI / SE Point	1A
HE-17 / SRC# 3372		EPA ID: Agency ID:	CAD981450232 H02097	

Agency Address:	*KETEMA PROCESS EQUIPMENT 9484 MISSION PARK PL SANTEE, CA 920715610*		
Business Type:	*Agency Code (K35)*		
Status:	*"Permitted establishment w/underground tanks"*		
Notice of Violation Issued:	*NO*		
Inactive:	*NO*	Permit Exp Date:	*UNKNOWN*
Inspection Date:	*OCTOBER 2, 1996*	Reinspection Date:	*OCTOBER 1, 1997*
Chemical Name:	*ARGON GAS*		
C.A.S. #:	*7440-37-1*	Qty Stored (Units):	*10000 (CFT)*
Annual Qty (Units):	*3500 (CFT)*	Carcinogen:	*NO*
Chemical Name:	*NOT REPORTED*		
Chemical Name:	*HELIUM GAS*		
C.A.S. #:	*7440-59-7*	Qty Stored (Units):	*6984 (CFT)*
Annual Qty (Units):	*25125 (CFT)*	Carcinogen:	*NO*
Chemical Name:	*NOT REPORTED*		
Chemical Name:	*ARGON GAS*		
C.A.S. #:	*7440-37-1*	Qty Stored (Units):	*6500 (CFT)*
Annual Qty (Units):	*7700 (CFT)*	Carcinogen:	*NO*
Chemical Name:	*NOT REPORTED*		
Chemical Name:	*OXYGEN GAS*		
C.A.S. #:	*7782-44-7*	Qty Stored (Units):	*2500 (CFT)*
Annual Qty (Units):	*3750 (CFT)*	Carcinogen:	*NO*
Chemical Name:	*NOT REPORTED*		
Chemical Name:	*ARGON GAS 98%, OXYGEN GAS 2%*		

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

C.A.S. #:	7440-37-1	Qty Stored (Units):	1200 (CFT)
Annual Qty (Units):	4690 (CFT)	Carcinogen:	NO
Chemical Name:	NOT REPORTED		
Chemical Name:	PARRINIC DISTILATE 99% (TELLUSOIL 46)		
C.A.S. #:	64742-57-7	Qty Stored (Units):	165 (GAL)
Annual Qty (Units):	165 (GAL)	Carcinogen:	NO
Chemical Name:	NOT REPORTED		
Chemical Name:	MINERAL SPIRITS 65% (ENGINE DEGREASER)		
C.A.S. #:	64742-88-7	Qty Stored (Units):	55 (GAL)
Annual Qty (Units):	55 (GAL)	Carcinogen:	NO
Chemical Name:	NOT REPORTED		
Chemical Name:	CARBON DIOXIDE GAS		
C.A.S. #:	124-38-9	Qty Stored (Units):	6600 (CFT)
Annual Qty (Units):	1700 (CFT)	Carcinogen:	NO
Chemical Name:	NOT REPORTED		
Chemical Name:	NITROGEN GAS		
C.A.S. #:	7727-37-9	Qty Stored (Units):	900 (CFT)
Annual Qty (Units):	912 (CFT)	Carcinogen:	NO
Chemical Name:	NOT REPORTED		
Chemical Name:	25% CARBON DIOXIDE 75% ARGON		
C.A.S. #:	124-38-9	Qty Stored (Units):	1000 (CFT)
Annual Qty (Units):	1000 (CFT)	Carcinogen:	NO
Chemical Name:	NOT REPORTED		
Chemical Name:	CHEM-O-LENE GAS		
C.A.S. #:	74-86-2	Qty Stored (Units):	4500 (CFT)
Annual Qty (Units):	2100 (CFT)	Carcinogen:	NO
Chemical Name:	NOT REPORTED		
Chemical Name:	ARGON GAS 75% HELIUM GAS 25%		
C.A.S. #:	7440-37-1	Qty Stored (Units):	300 (CFT)
Annual Qty (Units):	300 (CFT)	Carcinogen:	NO
Chemical Name:	NOT REPORTED		
Chemical Name:	ARGON GAS 92% OXYGEN GAS 7% HELIUM GAS 2% (TRI MIX)		
C.A.S. #:	7440-37-1	Qty Stored (Units):	1800 (CFT)
Annual Qty (Units):	1000 (CFT)	Carcinogen:	NO
Chemical Name:	NOT REPORTED		
Chemical Name:	ARGON GAS 75% CARBON DIOXIDE GAS 25%		
C.A.S. #:	7440-37-1	Qty Stored (Units):	1200 (CFT)
Annual Qty (Units):	1384 (CFT)	Carcinogen:	NO
Chemical Name:	NOT REPORTED		
Chemical Name:	PROPANE GAS		
C.A.S. #:	74-98-6	Qty Stored (Units):	1000 (CFT)
Annual Qty (Units):	50487 (CFT)	Carcinogen:	NO
Chemical Name:	NOT REPORTED		
Chemical Name:	ARGON GAS 75% OXYGEN GAS 25%		

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

C.A.S. #:	7740-37-1	Qty Stored (Units):	300 (CFT)
Annual Qty (Units):	381 (CFT)	Carcinogen:	NO
Chemical Name:	NOT REPORTED		
Chemical Name:	III TRICHLOROETHANE 80% (WELCOANTISPLATTER)		
C.A.S. #:	71-55-6	Qty Stored (Units):	55 (GAL)
Annual Qty (Units):	55 (GAL)	Carcinogen:	NO
Chemical Name:	NOT REPORTED		
Chemical Name:	HELIUM 75% CARBON DOIXIDE 25%		
C.A.S. #:	124-38-9	Qty Stored (Units):	8040 (CFT)
Annual Qty (Units):	15000 (CFT)	Carcinogen:	NO
Chemical Name:	NOT REPORTED		
Violation Type:	GENERAL VIOLATION	# of Occurances:	1
Waste Type:	NOT REPORTED	Inspection Date:	UNKNOWN
Violation Description:	HAZARDOUS WASTE CONTAINERS ARE MISSING LABELS, ACCUMULATION DATEAND/OR ARE IMPROPERLY LABELED CCR 66		
Violation Description:	262.34		
Violation Type:	GENERAL VIOLATION	# of Occurances:	1
Waste Type:	NOT REPORTED	Inspection Date:	UNKNOWN
Violation Description:	HAZARDOUS WASTE CONTAINERS ARE NOT KEPT CLOSED WHILE IN STORAGEC		
Violation Description:	CR 662		
Violation Type:	GENERAL VIOLATION	# of Occurances:	1
Waste Type:	NOT REPORTED	Inspection Date:	UNKNOWN
Violation Description:	USED OIL FILTERS NOT PROPERLY DRAINED, STORED, OR LABELED PRIORTO TRANSPORT FOR THE PURPOSE OF METAL RECLAMATION. CC		
Violation Description:	R 6626		
Violation Type:	GENERAL VIOLATION	# of Occurances:	1
Waste Type:	NOT REPORTED	Inspection Date:	UNKNOWN
Violation Description:	HAZARDOUS WASTE IS STORED IN EXCESS OF ALLOWABLE TIME PERIOD WITHOUT A STATE PERMIT OR WRITTEN VARIANCE CCR		
Violation Description:	66262		
Violation Type:	GENERAL VIOLATION	# of Occurances:	2
Waste Type:	NOT REPORTED	Inspection Date:	UNKNOWN
Violation Description:	HAZARDOUS WASTE CONTAINERS ARE MISSING LABELS, ACCUMULATION DATEAND/OR ARE IMPROPERLY LABELED CCR 66		
Violation Description:	262.34		
Violation Type:	GENERAL VIOLATION	# of Occurances:	2
Waste Type:	NOT REPORTED	Inspection Date:	UNKNOWN
Violation Description:	HAZARDOUS WASTE CONTAINERS ARE NOT KEPT CLOSED WHILE IN STORAGEC		
Violation Description:	CR 662		
Violation Type:	GENERAL VIOLATION	# of Occurances:	2
Waste Type:	NOT REPORTED	Inspection Date:	UNKNOWN
Violation Description:	USED OIL FILTERS NOT PROPERLY DRAINED, STORED, OR LABELED PRIORTO TRANSPORT FOR THE PURPOSE OF METAL RECLAMATION. CC		
Violation Description:	R 6626		
Violation Type:	GENERAL VIOLATION	# of Occurances:	1
Waste Type:	NOT REPORTED	Inspection Date:	UNKNOWN

Violation Description:	BUSINESS PLAN INVENTORY DOES NOT LIST ALL HAZARDOUS MATERIALS ONSITE IN DISCLOSABLE QUANTITIES HSC 255		
Violation Description:	04 (A)		
Violation Type:	GENERAL VIOLATION	# of Occurances:	3
Waste Type:	NOT REPORTED	Inspection Date:	OCTOBER 2, 1996
Violation Description:	HAZARDOUS WASTE CONTAINERS ARE MISSING LABELS, ACCUMULATION DATEAND/OR ARE IMPROPERLY LABELED CCR 66		
Violation Description:	262.34		
Violation Type:	GENERAL VIOLATION	# of Occurances:	1
Waste Type:	NOT REPORTED	Inspection Date:	OCTOBER 2, 1996
Violation Description:	BUSINESS PLAN WAS NOT AMENDED WITHIN 30 DAYS FOR A 100% QUANTITYIN-CREASE,NEW DISCLOSABLE MATERIALS OR A CHANGE IN BUSINESS		
Violation Description:	INFO.		

VISTA Address*:	WHITTAKER CORP 11015 MISSION PARK ST SANTEE, CA 92071	VISTA ID#:	468839
		Distance/Direction:	0.00 MI / SW
		Plotted as:	Point
RCRA-LgGen - RCRA-Large Generator / SRC# 3284		EPA ID:	CAD981369630
Agency Address:	SAME AS ABOVE		
Generator Class:	Generates at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).		

Map ID **1B**

VISTA Address*:	TOWN AND COUNTRY PRINTERS 9448 MISSION PARK PL SANTEE, CA 92071	VISTA ID#:	5441737
		Distance/Direction:	0.00 MI / S
		Plotted as:	Point
HE-17 / SRC# 3372		Agency ID:	H07751
Agency Address:	SAME AS ABOVE		
Business Type:	Agency Code (K55)		
Status:	"Unknown( )"		
Notice of Violation Issued:	NO		
Inactive:	NO	Permit Exp Date:	UNKNOWN
Inspection Date:	UNKNOWN	Reinspection Date:	JULY 1, 1997
Chemical Name:	SOLVENT AND PRINTING INKS		
C.A.S. #:	NOT REPORTED	Qty Stored (Units):	5 (GAL)
Annual Qty (Units):	20 (GAL)	Carcinogen:	NO
Chemical Name:	NOT REPORTED		
Violation Type:	GENERAL VIOLATION	# of Occurances:	1
Waste Type:	NOT REPORTED	Inspection Date:	UNKNOWN
Violation Description:	HANDLER OF HAZARDOUS WASTE/MATERIAL HAS NOT OBTAINED A VALID SANDIEGO COUNTY HEALTH PERMIT SDCC 6		
Violation Description:	8.905		
Violation Type:	GENERAL VIOLATION	# of Occurances:	1
Waste Type:	NOT REPORTED	Inspection Date:	UNKNOWN
Violation Description:	AN AISLE SPACE TO ALLOW UNOBSTRUCTED MOVEMENT OF PERSONNEL EMERGENCY CONTROL EQUIPMENT IS NOT PROVIDED AND MAINTAINED		
Violation Description:	CCR 66		
Violation Type:	GENERAL VIOLATION	# of Occurances:	1
Waste Type:	NOT REPORTED	Inspection Date:	UNKNOWN

Map ID **1C**

Violation Description:	*GENERATOR HAS NOT MAINTAINED THE REQUIRED SIGNED COPY OF THE HAZARDOUS WASTE MANIFEST FROM THE TSD FACILITY ON SITE FOR REVIEW*		
Violation Description:	*CCR 6*		
Violation Type:	*GENERAL VIOLATION*	**# of Occurances:**	*1*
Waste Type:	*NOT REPORTED*	**Inspection Date:**	*UNKNOWN*
Violation Description:	*HAZARDOUS WASTE CONTAINERS ARE MISSING LABELS, ACCUMULATION DATEAND/OR ARE IMPROPERLY LABELED CCR 66*		
Violation Description:	*262.34*		
Violation Type:	*GENERAL VIOLATION*	**# of Occurances:**	*1*
Waste Type:	*NOT REPORTED*	**Inspection Date:**	*UNKNOWN*
Violation Description:	*HAZARDOUS MATERIALS HAVE NOT BEEN ADEQUATELY LABELED WITHIN 10 DAYS AND ARE NOW DECLARED HAZARDOUS WASTE HS*		
Violation Description:	*C 2512*		
Violation Type:	*GENERAL VIOLATION*	**# of Occurances:**	*1*
Waste Type:	*NOT REPORTED*	**Inspection Date:**	*UNKNOWN*
Violation Description:	*PERSONNEL TRAINING RECORDS ARE INADEQUATE TO DOCUMENT COMPLIANCEWITH REQUIREMENTS FOR CURRENT AND FORMER EMPLOYEES C*		
Violation Description:	*CR 662*		

VISTA Address*:	**WELDING WORKS** **9444 MISSION PARK PL** **SANTEE, CA 92071**	VISTA ID#:	5441736	Map ID **1C**
		Distance/Direction:	<0.01 MI / S	
		Plotted as:	Point	
HE-17 / SRC# 3372		Agency ID:	H29819	

Agency Address:	*WELDING WORKS* *9444 MISSION PARK PL* *SANTEE, CA 920712830*
Business Type:	*"Inventory Only"*
Status:	*"Unknown( )"*
Notice of Violation Issued:	*NO*
Inactive:	*YES* **Permit Exp Date:** *UNKNOWN*
Inspection Date:	*NOVEMBER 27, 1989* **Reinspection Date:** *MAY 1, 1990*

VISTA Address*:	**C H AUTO BODY** **10996 NORTH WOODSIDE** **SANTEE, CA 92071**	VISTA ID#:	78450	Map ID **2A**
		Distance/Direction:	0.08 MI / S	
		Plotted as:	Point	
RCRA-LgGen - RCRA-Large Generator / SRC# 3284		EPA ID:	CAD981572860	

Agency Address:	*SAME AS ABOVE*
Generator Class:	*Generates at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).*

VISTA Address*:	HANSON MACHINE 10969 WHEATLANDS AV SANTEE, CA 92071	VISTA ID#:	5606497
		Distance/Direction:	0.11 MI / S
		Plotted as:	Point
HE-17 / SRC# 3372		Agency ID:	H35415

Map ID **2B**

Agency Address:	SAME AS ABOVE		
Business Type:	"Only 1 waste or 1 inventory"		
Status:	"Unknown( )"		
Notice of Violation Issued:	NO		
Inactive:	YES	Permit Exp Date:	UNKNOWN
Inspection Date:	UNKNOWN	Reinspection Date:	NOVEMBER 1, 1996

VISTA Address*:	CUSTOM CRAFT MARBLE 10848 WHEATLANDS AV SANTEE, CA 92071	VISTA ID#:	5448012
		Distance/Direction:	0.09 MI / SW
		Plotted as:	Point
HE-17 / SRC# 3372		EPA ID:	CAL921743437
		Agency ID:	H20835

Map ID **3A**

Agency Address:	CUSTOM CRAFT MARBLE 10848 WHEATLANDS AV SANTEE, CA 920712855		
Business Type:	Agency Code (K77)		
Status:	Agency Code (\ )		
Notice of Violation Issued:	NO		
Inactive:	NO	Permit Exp Date:	UNKNOWN
Inspection Date:	UNKNOWN	Reinspection Date:	JUNE 1, 1997
Chemical Name:	GEL COAT		
C.A.S. #:	100-42-5	Qty Stored (Units):	220 (GAL)
Annual Qty (Units):	2500 (GAL)	Carcinogen:	NO
Chemical Name:	NOT REPORTED		
Chemical Name:	ACETONE		
C.A.S. #:	67-64-1	Qty Stored (Units):	55 (GAL)
Annual Qty (Units):	1000 (GAL)	Carcinogen:	NO
Chemical Name:	NOT REPORTED		
Chemical Name:	ETHANOL		
C.A.S. #:	64-17-5	Qty Stored (Units):	55 (GAL)
Annual Qty (Units):	55 (GAL)	Carcinogen:	NO
Chemical Name:	NOT REPORTED		
Chemical Name:	PROPANE		
C.A.S. #:	74-98-6	Qty Stored (Units):	2000 (CFT)
Annual Qty (Units):	29440 (CFT)	Carcinogen:	NO
Chemical Name:	NOT REPORTED		
Chemical Name:	COMPLIANCE EMULSIPIER		
C.A.S. #:	MIXTURE	Qty Stored (Units):	110 (GAL)
Annual Qty (Units):	220 (GAL)	Carcinogen:	NO
Chemical Name:	NOT REPORTED		
Violation Type:	GENERAL VIOLATION	# of Occurances:	1
Waste Type:	NOT REPORTED	Inspection Date:	NOVEMBER 23, 1993

Violation Description:	HAZARDOUS WASTE MANIFESTS/RECEIPTS ARE NOT MAINTAINED ON SITE TODOCUMENT PROPER DISPOSAL OF HAZARDOUS WASTE CCR 66262.		
Violation Description:	40, 66		
Violation Type:	GENERAL VIOLATION	**# of Occurances:**	1
Waste Type:	NOT REPORTED	**Inspection Date:**	NOVEMBER 23, 1993
Violation Description:	HAZARDOUS WASTE IS STORED IN EXCESS OF ALLOWABLE TIME PERIOD WITHOUT A STATE PERMIT OR WRITTEN VARIANCE CCR		
Violation Description:	66262		
Violation Type:	GENERAL VIOLATION	**# of Occurances:**	1
Waste Type:	NOT REPORTED	**Inspection Date:**	NOVEMBER 23, 1993
Violation Description:	HAZARDOUS WASTE CONTAINERS ARE MISSING LABELS, ACCUMULATION DATEAND/OR ARE IMPROPERLY LABELED CCR 66		
Violation Description:	262.34		
Violation Type:	GENERAL VIOLATION	**# of Occurances:**	1
Waste Type:	NOT REPORTED	**Inspection Date:**	NOVEMBER 23, 1993
Violation Description:	HAZARDOUS WASTE CONTAINERS ARE NOT KEPT CLOSED WHILE IN STORAGEC		
Violation Description:	CR 662		
Violation Type:	GENERAL VIOLATION	**# of Occurances:**	1
Waste Type:	NOT REPORTED	**Inspection Date:**	NOVEMBER 23, 1993
Violation Description:	DISPOSAL OR CAUSING THE DISPOSAL OF HAZARDOUS WASTE TO AN UNAUTHORIZED POINT(GROUND, STORM DRAIN, SEWER SYSTEM, TRASH OR AIR) H		
Violation Description:	SC 251		
Violation Type:	GENERAL VIOLATION	**# of Occurances:**	1
Waste Type:	NOT REPORTED	**Inspection Date:**	NOVEMBER 23, 1993
Violation Description:	PERSONNEL TRAINING RECORDS ARE INADEQUATE TO DOCUMENT COMPLIANCEWITH REQUIREMENTS FOR CURRENT AND FORMER EMPLOYEES C		
Violation Description:	CR 662		
Violation Type:	GENERAL VIOLATION	**# of Occurances:**	1
Waste Type:	NOT REPORTED	**Inspection Date:**	NOVEMBER 23, 1993
Violation Description:	PERSONNEL TRAINING RECORDS NOT AVAILABLE TO SHOW THAT PERSONNELHAVE RECEIVED INITIAL AND ANNUAL REFRESHER TRAINING.		
Violation Description:	CCR 2		
Violation Type:	GENERAL VIOLATION	**# of Occurances:**	1
Waste Type:	NOT REPORTED	**Inspection Date:**	NOVEMBER 23, 1993
Violation Description:	UNDERGROUND STORAGE TANK MONITORING/MAINTENANCE/CALIBRATION RECORDS ARE NOT MAINTAINED ON SITE. HSC 25293; CCR 271		
Violation Description:	2(B).		
Violation Type:	GENERAL VIOLATION	**# of Occurances:**	1
Waste Type:	NOT REPORTED	**Inspection Date:**	NOVEMBER 23, 1993
Violation Description:	WRITTEN RESPONSE PLAN FOR RELEASES INTO SECONDARY CONTAINMENT ISNOT AVAILABLE. CCR 2632(E)(2), 26		
Violation Description:	34(C)		
Violation Type:	GENERAL VIOLATION	**# of Occurances:**	1
Waste Type:	NOT REPORTED	**Inspection Date:**	NOVEMBER 23, 1993
Violation Description:	WRITTEN ROUTINE MONITORING PROCEDURE FOR THE UNDERGROUND STORAGETANK SYSTEM HAS NOT BEEN PREPARED AND IMPLEMENTED. CCR2632(E)		
Violation Description:	(1),26		
Violation Type:	GENERAL VIOLATION	**# of Occurances:**	1
Waste Type:	NOT REPORTED	**Inspection Date:**	NOVEMBER 23, 1993

Violation Description:	BUSINESS PLAN INVENTORY DOES NOT LIST ALL HAZARDOUS MATERIALS ONSITE IN DISCLOSABLE QUANTITIES HSC 255		
Violation Description:	04 (A)		
Violation Type:	GENERAL VIOLATION	**# of Occurances:**	1
Waste Type:	NOT REPORTED	**Inspection Date:**	NOVEMBER 23, 1993
Violation Description:	BUSINESS PLAN DOES NOT HAVE A SITE MAP WHICH PROVIDES ADEQUATEINFORMATION FOR EMERGENCY RESPONSE AGENCIES HS		
Violation Description:	C 2550		
Violation Type:	GENERAL VIOLATION	**# of Occurances:**	2
Waste Type:	NOT REPORTED	**Inspection Date:**	UNKNOWN
Violation Description:	HAZARDOUS WASTE CONTAINERS ARE MISSING LABELS, ACCUMULATION DATEAND/OR ARE IMPROPERLY LABELED CCR 66		
Violation Description:	262.34		
Violation Type:	GENERAL VIOLATION	**# of Occurances:**	1
Waste Type:	NOT REPORTED	**Inspection Date:**	UNKNOWN
Violation Description:	BUSINESS PLAN WAS NOT AMENDED WITHIN 30 DAYS FOR A 100% QUANTITYIN-CREASE,NEW DISCLOSABLE MATERIALS OR A CHANGE IN BUSINESS		
Violation Description:	INFO.		
Violation Type:	GENERAL VIOLATION	**# of Occurances:**	1
Waste Type:	NOT REPORTED	**Inspection Date:**	UNKNOWN
Violation Description:	CONTINUOUS AUDIBLE/VISUAL INTERSTITIAL SPACE MONITORING SYSTEM IS NOT FUNCTIONAL. CCR 2632(C)(2)(B),		
Violation Description:	2634(		
Violation Type:	GENERAL VIOLATION	**# of Occurances:**	2
Waste Type:	NOT REPORTED	**Inspection Date:**	UNKNOWN
Violation Description:	BUSINESS PLAN INVENTORY DOES NOT LIST ALL HAZARDOUS MATERIALS ONSITE IN DISCLOSABLE QUANTITIES HSC 255		
Violation Description:	04 (A)		
Violation Type:	GENERAL VIOLATION	**# of Occurances:**	2
Waste Type:	NOT REPORTED	**Inspection Date:**	UNKNOWN
Violation Description:	UNDERGROUND STORAGE TANK MONITORING/MAINTENANCE/CALIBRATION RECORDS ARE NOT MAINTAINED ON SITE. HSC 25293; CCR 271		
Violation Description:	2(B),		

County UST - County Underground Storage Tank / SRC# 3372	**EPA ID:**	CAL921743437
	Agency ID:	H20835

Agency Address:	CUSTOM CRAFT MARBLE 10848 WHEATLANDS AV SANTEE, CA 920712855		
Fuel Type:	SEE FILE FOR CONTENTS	**Tank Number:**	1001
Size:	4000	**Tank Type:**	DOUBLE WALL
Pipe Type:	INTERIM PERMIT TO OPSINGLE WAL	**Alternate Monitor:**	"unknown"
Tank Id:	L W/O SECN		
Test Status:	TANK TEST NOT APPLICABLE	**Tank Status Date:**	NOT REPORTED
Inspection Status:	INSPECTION DE	**Year Installed:**	NOT REPORTED
Fuel Type:	SEE FILE FOR CONTENTS	**Tank Number:**	1002
Size:	4000	**Tank Type:**	DOUBLE WALL
Pipe Type:	INTERIM PERMIT TO OPSINGLE WAL	**Alternate Monitor:**	"unknown"
Tank Id:	L W/O SECN		
Test Status:	TANK TEST NOT APPLICABLE	**Tank Status Date:**	NOT REPORTED
Inspection Status:	INSPECTION DE	**Year Installed:**	NOT REPORTED

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

Fuel Type:	*SEE FILE FOR CONTENTS*	**Tank Number:**	*1003*
Size:	*4000*	**Tank Type:**	*DOUBLE WALL*
Pipe Type:	*INTERIM PERMIT TO OPSINGLE WAL*	**Alternate Monitor:**	*"unknown"*
Tank Id:	*L W/O SECN*		
Test Status:	*TANK TEST NOT APPLICABLE*	**Tank Status Date:**	*NOT REPORTED*
Inspection Status:	*INSPECTION DE*	**Year Installed:**	*NOT REPORTED*

VISTA Address*:	**DANCO SECURITY** **10845 WHEATLANDS AV** **SANTEE, CA 92071**	VISTA ID#:	5448011
		Distance/Direction:	0.10 MI / SW
		Plotted as:	Point
HE-17 / SRC# 3372		Agency ID:	H23362

Map ID **3A**

Agency Address:	*DANCO SECURITY* *10845 WHEATLANDS AV* *SANTEE, CA 920712865*
Business Type:	*Agency Code (K35)*
Status:	*"Unknown( )"*
Notice of Violation Issued:	*NO*
Inactive:	*YES*
Permit Exp Date:	*UNKNOWN*
Inspection Date:	*UNKNOWN*
Reinspection Date:	*JUNE 1, 1993*

VISTA Address*:	**STORY'S MACHINE** **10845 WHEATLANDS AV** **SANTEE, CA 92071**	VISTA ID#:	6521923
		Distance/Direction:	0.11 MI / SW
		Plotted as:	Point
HE-17 / SRC# 3372		Agency ID:	H36381

Map ID **3B**

Agency Address:	*SAME AS ABOVE*		
Business Type:	*"Only 1 waste or 1 inventory"*		
Status:	*"Unknown( )"*		
Notice of Violation Issued:	*NO*		
Inactive:	*NO*	**Permit Exp Date:**	*UNKNOWN*
Inspection Date:	*UNKNOWN*	**Reinspection Date:**	*NOVEMBER 1, 1997*
Violation Type:	*GENERAL VIOLATION*	**# of Occurances:**	*1*
Waste Type:	*NOT REPORTED*	**Inspection Date:**	*UNKNOWN*
Violation Description:	*PERSONNEL TRAINING RECORDS ARE INADEQUATE TO DOCUMENT COMPLIANCEWITH REQUIREMENTS FOR CURRENT AND FORMER EMPLOYEES C*		
Violation Description:	*CR 662*		
Violation Type:	*GENERAL VIOLATION*	**# of Occurances:**	*1*
Waste Type:	*NOT REPORTED*	**Inspection Date:**	*UNKNOWN*
Violation Description:	*OWNER/OPERATOR HAS NOT PREPARED A CONTINGENCY PLAN, OR MAINTAINED A COPY ON SITE, OR SUBMITTED A COPY TO THE HMMD. CCR*		
Violation Description:	*66265.*		

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

VISTA Address*:	CIRCLE K STORE #2959 11007 WOODSIDE AVE SANTEE, CA 92071	VISTA ID#:	84854	Map ID 4
		Distance/Direction:	0.14 MI / S	
		Plotted as:	Point	

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

Agency Address:	CIRCLE K #2959 11007 WOODSIDE SANTEE, CA 92071
Underground Tanks:	2
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	8000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	2U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	LEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	8000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS

County UST - County Underground Storage Tank / SRC# 3372 — Agency ID: H20836

Agency Address:	CIRCLE K #2959 11007 WOODSIDE AV SANTEE, CA 920713255

Fuel Type:	UNLEADED	Tank Number:	1001
Size:	8000	Tank Type:	SINGLE WALL W/O SECNDRY CNTMNT
Pipe Type:	PERMIT TO OPERATE SINGLE WAL	Alternate Monitor:	"unknown"
Tank Id:	L W/O SECN		
Test Status:	PRODUCT LINE ONLY TIGHT	Tank Status Date:	NOT REPORTED
Inspection Status:	INSPECTION PA	Year Installed:	NOT REPORTED
Fuel Type:	SUPER UNLEADED	Tank Number:	1002
Size:	8000	Tank Type:	SINGLE WALL W/O SECNDRY CNTMNT
Pipe Type:	PERMIT TO OPERATE SINGLE WAL	Alternate Monitor:	"unknown"
Tank Id:	L W/O SECN		
Test Status:	PRODUCT LINE ONLY TIGHT	Tank Status Date:	NOT REPORTED
Inspection Status:	INSPECTION PA	Year Installed:	NOT REPORTED

VISTA Address*:	CUSTOM CRAFT MARBLE 10848 WHEATLANDS AVE. SANTEE, CA 92071	VISTA ID#:	4244485	Map ID 5
		Distance/Direction:	0.17 MI / W	
		Plotted as:	Point	

TRIS - Toxic Release Inventory System / SRC# 2587 — EPA ID: BAL921743437

Agency Address:	SAME AS ABOVE

Chemical Abstract Service Registry:	Quantity Released:
STYRENE	8200.00 (POUNDS)
ACETONE	4900.00 (POUNDS)

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

VISTA Address*:	CUSTOM MARBLE NT0131 10848 WHEATLANDS SANTEE, CA 92071	VISTA ID#:	3500608
		Distance/Direction:	0.17 MI / W
		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:	3
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	MISC. CHEMICAL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	4000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	2U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	MISC. CHEMICAL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	4000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	3U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	MISC. CHEMICAL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	4000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS

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

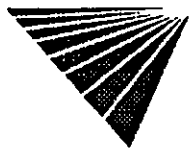
VISTA Address*:	EL CAPITAN OIL COMPANY 11427 WOODSIDE AV SANTEE, CA 92071	VISTA ID#:	4044070
		Distance/Direction:	0.44 MI / NE
		Plotted as:	Point

Map ID: 6

County LUST - County Leaking Underground Storage Tank / SRC# 3372 — EPA ID: CAD982466716; Agency ID: H19469

Agency Address:	EL CAPITAN OIL COMPANY 11427 WOODSIDE AV SANTEE, CA 920714725

Release #:	001	Case "T" #:	100948
Release Date:	UNKNOWN	Priority:	2A
Substances #:	2	Substance:	"Gasoline/Diesel"
P.A. Start Date:	UNKNOWN	P.A. End Date:	DECEMBER 20, 1988
C & A:	NO		
Case Type:	"Tank/Free Product (LOP)-tank case, hydrocarbon liquids floating on groundwater in well, possible soil contamination, in LOP."		
Case Status:	"Remedial Investigation (detailed investigation and planning for cleanup)"		
Status Date:	DECEMBER 20, 1988		
R.A. Start:	NOT REPORTED	R.A. End:	NOT REPORTED
Enforcement Action:	YES		
R.A. Type:	NOT REPORTED		



Release #:	*002*	**Case "T" #:**	*NOT REPORTED*
Release Date:	*NOVEMBER 22, 1994*	**Priority:**	*NOT REPORTED*
Substances #:	*2*	**Substance:**	*"Gasoline/Diesel"*
P.A. Start Date:	*NOT REPORTED*	**P.A. End Date:**	*NOT REPORTED*
C & A:	*NO*		
Case Type:	*"Real Estate Assessment - case submitted voluntarily for review by Hazardous Materials Management Division."*		
Case Status:	*"Case Closed"*		
Status Date:	*UNKNOWN*		
R.A. Start:	*NOT REPORTED*	**R.A. End:**	*NOT REPORTED*
Enforcement Action:	*NO*		
R.A. Type:	*NOT REPORTED*		

VISTA Address*:	**ANTHONY T. DITTY** **11427 WOODSIDE AVENUE** **LAKESIDE, CA 92040**	VISTA ID#: Distance/Direction: Plotted as:	934793 0.44 MI / NE Point

Map ID **6**

STATE LUST - State Leaking Underground Storage Tank / SRC# 3343 — Agency ID: 9UT938

Agency Address:	*ANTHONY T. DITTY* *11427 WOODSIDE AVENUE* *LAKESIDE, CA*
Tank Status:	*NOT AVAILABLE*
Media Affected:	*AQUIFER*
Substance:	*GASOLINE (UNSPECIFIED)*
Leak Cause:	*UNAVAILABLE*
Leak Source:	*NOT AVAILABLE*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*REM ACTION PLAN*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Discovery Date, Quantity (Units)*

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2881 — Agency ID: 9UT938

Agency Address:	*ANTHONY T. DITTY* *11427 WOODSIDE AVE* *SANTEE, CA 92071*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*MARCH 22, 1988*
Media Affected:	*AQUIFER*
Substance:	*GASOLINE (UNSPECIFIED)*
Leak Cause:	*UNKNOWN*
Leak Source:	*UNKNOWN*
Remedial Action:	*NOT AVAILABLE*
Remedial Status 1:	*REM ACTION PLAN*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

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

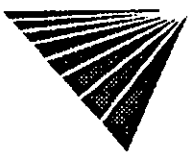
CORTESE / SRC# 2298		EPA/Agency ID:	N/A
Agency Address:	*ANTHONY T. DITTY 11427 WOODSIDE AVE LAKESIDE, CA 92071*		
List Name:	*LEAKING TANK*		
Site ID:	*INV-ID37-000668*		

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

VISTA Address*:	DAVE'S AUTO SERVICE 10438 MISSION GORGE ROAD SANTEE, CA 92071	VISTA ID#: Distance/Direction: Plotted as:	4035065 0.90 MI / SW Point

Map ID: **7**

SCL - State Equivalent CERCLIS List / SRC# 3171		Agency ID:	37750003
Agency Address:	*SAME AS ABOVE*		
Status:	*UNKNOWN*		
Facility Type:	*NOT AVAILABLE*		
Lead Agency:	*NOT AVAILABLE*		
State Status:	*PRELIMINARY ASSESSMENT REQUIRED/RECOMMENDED*		
Pollutant 1:	*LEAD*		
Pollutant 2:	*UNKNOWN*		
Pollutant 3:	*UNKNOWN*		



VISTA Address*:	MATTHEWS DUMP LAKESIDE, CA 92040	VISTA ID#:	5812735
STATE SWLF - Solid Waste Landfill / SRC# 2882		Agency ID:	37-CR-0044

Agency Address:	*MATTHEWS DUMP* *LAKESIDE, CA*
Facility Type:	*SOLID WASTE DISPOSAL FACILITY*
Facility Status:	*NOT AVAILABLE*
Permit Status:	*NOT AVAILABLE*

SITE ASSESSMENT PLUS REPORT

DESCRIPTION OF DATABASES SEARCHED

A) DATABASES SEARCHED TO 1 MILE

NPL
SRC#: 3444

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for NPL was December, 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#: 3172

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 July, 1996.

This database is provided by the Cal. Environmental Protection Agency, Dept. of Toxic Substances Control.

SCL
SRC#: 3171

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for Calsites Database: All Sites except Annual Workplan Sites (incl. ASPIS) was July, 1996.

This database is provided by the Department of Toxic Substances Control.

The CalSites database includes both known and potential sites. Two- thirds of these sites have been classified, based on available information, as needing "No Further Action" (NFA) by the Department of Toxic Substances Control. The remaining sites are in various stages of review and remediation to determine if a problem exists at the site. Several hundred sites have been remediated and are considered certified. Some of these sites may be in long term operation and maintenance.

CORRACTS
SRC#: 3284

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 August, 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#: 3284

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for RCRIS was August, 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#: 3442

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for CERCLIS was January, 1997.

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 activiies or events at the site, financial funding information for the events, and unrestricted enforcement activities.

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.

NFRAP
SRC#: 3443

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for CERCLIS-NFRAP was January, 1997.

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.

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.

The California Solid Waste Information System (SWIS) database consists of both open as well as closed and inactive solid waste disposal facilities and transfer stations pursuant to the Solid Waste Management and Resource Recovery Act of 1972, Government Code Section 2.66790(b). Generally, the California Integrated Waste Management Board learns of locations of disposal facilities through permit applications and from local enforcement agencies.

WMUDS
SRC#: 3373

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 November, 1996.

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).

The WMUDS system also accesses information from the following databases from the Waste Discharger System (WDS): Inspections, Violations, and Enforcements. The sites contained in these databases are subject to the California Code of Regulations - Title 23. Waters.

LUST
SRC#: 3273

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Region #9-SLIC List was March, 1994.

This database is provided by the Regional Water Quality Control Board, Region #9.

LUST
SRC#: 3343

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 October, 1996.**

This database is provided by the California Environmental Protection Agency.

LUST RG9
SRC#: 2881

VISTA conducts a database search to identify all sites within 1/2 mile of your property. **The agency release date for Region #9 Leaking Underground Storage Tank List was February, 1996.**

This database is provided by the Regional Water Quality Control Board, Region #9.

LUST RG7
SRC#: 3368

VISTA conducts a database search to identify all sites within 1/2 mile of your property. **The agency release date for Region #7-Colorado River Basin Leaking Underground Storage Tank Listing was September, 1996.**

This database is provided by the Regional Water Quality Control Board, Region #7.

HE17 LUST
SRC#: 3372

VISTA conducts a database search to identify all sites within 1/2 mile of your property. **The agency release date for San Diego County Environmental Health Services Database-LUST Sites was November, 1996.**

This database is provided by the San Diego County Dept. of Health Services. It contains information concerning any sites which fall under the jurisdiction of this agency. Cases classified as Releases appear under "County Lust" in this report regardless of the "Cause" or "Case Type". Sites classified as USTs appear under "County UST" , and Solid Waste facilities appear under "County SWLF". Sites with violation and/or disclosure information are reported under "SDC Site" in this VISTA report.

CORTESE
SRC#: 2298

VISTA conducts a database search to identify all sites within 1/2 mile of your property. **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.

The California Governor's Office of Planning and Research annually publishes a listing of potential and confirmed hazardous waste sites throughout the State of California under Government Code Section 65962.5. This database (CORTESE) is based on input from the following: (1)CALSITES-Department of Toxic Substances Control, Abandoned Sites Program Information Systems; (2)SARA Title III Section III Toxic Chemicals Release Inventory for 1987, 1988, 1989, and 1990; (3)FINDS; (4)HWIS-Department of Toxic Substances Control, Hazardous Waste Information System. Vista has not included one time generator facilities from Cortese in our database.; (5)SWRCB-State Water Resources Control Board; (6)SWIS-Integrated Waste Management Control Board (solid waste facilities); (7)AGT25-Air Resources Board, dischargers of greater than 25 tons of criteria pollutants to the air; (8)A1025-Air Resources Board, dischargers of greater than 10 and less than 25 tons of criteria pollutants to the air; (9)LTANK-SWRCB Leaking Underground Storage Tanks; (10)UTANK-SWRCB Underground tanks reported to the SWEEPS systems; (11)IUR-Inventory Update Rule (Chemical Manufacturers); (12)WB-LF-Waste Board - Leaking Facility, site has known migration; (13)WDSE-Waste Discharge System - Enforcement Action; (13)DTSCD-Department of Toxic Substance Control Docket.

Deed Restrictions SRC#: 1703

VISTA conducts a database search to identify all sites within 1/2 mile of your property. **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".

California has a statutory and administrative procedure under which the California Department of Health Services (DHS) may designate real property as either a "Hazardous Waste Property" or a "Border Zone Property" pursuant to California Health Safety Code Sections 25220-25241. Hazardous Waste Property is land at which hazardous waste has been deposited, creating a significant existing or potential hazard to public health and safety. A Border Zone Property is one within 2,000 feet of a hazardous waste deposit. Property within either category is restricted in use, unless a written variance is obtained from DHS. A Hazardous Waste Property designation results in a prohibition of new uses, other than a modification or expansion of an industrial or manufacturing facility on land previously owned by the facility prior to January 1, 1981. A Border Zone Property designation results in prohibition of a variety of uses involving human habitation, hospitals, schools and day care center.

Toxic Pits SRC#: 2229

VISTA conducts a database search to identify all sites within 1/2 mile of your property. **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/Enf

VISTA conducts a database search to identify all sites within 1/4 mile of your property. **The agency release date for RCRIS was August, 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 SRC#: 1612

VISTA conducts a database search to identify all sites within 1/4 mile of your property. **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.

HE17 UST
SRC#: 3372

VISTA conducts a database search to identify all sites within 1/4 mile of your property. **The agency release date for San Diego County Environmental Health Services Database-LUST Sites was November, 1996.**

This database is provided by the San Diego County Dept. of Health Services. It contains information concerning any sites which fall under the jurisdiction of this agency. Cases classified as Releases appear under "County Lust" in this report regardless of the "Cause" or "Case Type". Sites classified as USTs appear under "County UST" , and Solid Waste facilities appear under "County SWLF". Sites with violation and/or disclosure information are reported under "SDC Site" in this VISTA report.

AST's
SRC#: 3370

VISTA conducts a database search to identify all sites within 1/4 mile of your property. **The agency release date for Aboveground Storage Tank Database was November, 1996.**

This database is provided by the State Water Resources Control Board.

TRIS
SRC#: 2587

VISTA conducts a database search to identify all sites within 1/4 mile of your property. **The agency release date for TRIS was May, 1995.**

Section 313 of the Emergency Planning and Community Right-to-Know Act (also known as SARA Title III) of 1986 requires the EPA to establish an inventory of Toxic Chemicals emissions from certain facilities(Toxic Release Inventory System). Facilities subject to this reporting are required to complete a Toxic Chemical Release Form(Form R) for specified chemicals.

D) DATABASES SEARCHED TO 1/8 MILE

ERNS
SRC#: 3006

VISTA conducts a database search to identify all sites within 1/8 mile of your property. **The agency release date for ERNS was March, 1996.**

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, the US Coast Guard, the National Response Center and the Department of transportation. A search of the database records for the period October 1986 through March 1996 revealed information regarding reported spills of oil or hazardous substances in the stated area.

RCRA-LgGen
SRC#: 3284

VISTA conducts a database search to identify all sites within 1/8 mile of your property. **The agency release date for RCRIS was August, 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 Large Generators are facilities which generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).

RCRA-SmGen
SRC#: 3284

VISTA conducts a database search to identify all sites within 1/8 mile of your property.
The agency release date for RCRIS was August, 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 Small and Very Small generators are facilities which generate less than 1000 kg./month of non-acutely hazardous waste.

San Diego
HE17
SRC#: 3372

VISTA conducts a database search to identify all sites within 1/8 mile of your property.
The agency release date for San Diego County Environmental Health Services Database-LUST Sites was November, 1996.

This database is provided by the San Diego County Dept. of Health Services. It contains information concerning any sites which fall under the jurisdiction of this agency. Cases classified as Releases appear under "County Lust" in this report regardless of the "Cause" or "Case Type". Sites classified as USTs appear under "County UST", and Solid Waste facilities appear under "County SWLF". Sites with violation and/or disclosure information are reported under "SDC Site" in this VISTA report.

End of Report

Ninyo & Moore

Geotechnical and Environmental Sciences Consultants
10225 Barnes Canyon Road, Suite A-112
San Diego, California 92121
(619) 457-0400 Fax: (619) 558-1236

FAX TRANSMITTAL

TO: SAN DIEGO DEH
ATTN: EHMIE
FAX: 338-2377
NO. OF PAGES: 2
(Including transmittal page)

DATE: 5/6/97
PROJECT NAME: 9484 MISSION PARK PLACE SANDEE, CA
PROJECT NO.: 103386-01
TIME:

Date	Description
5/6/97	REQUEST FOR FILE REVIEW

☒ For your files
☒ For your use
☐ As requested
☐ For your review and approval
☐ For your review and comment
☐ Other

REMARKS:

BY Peter D. Clark
Peter D. Clark

OFFICE USE ONLY
Request # _____

REQUEST TO REVIEW DEH RECORDS

SUBMIT TO:
County of San Diego
Department of Environmental Health
P.O. Box 85261
San Diego, CA 92186-5261
(619) 338-2268
FAX (619) 338-2377

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

Soil Engineering
Geology
Hydrogeology
Environmental Assessment
Regulatory Compliance

Peter D. Clark
Senior Staff Environmental Geologist

5225 Barnes Canyon Road • Suite A-112 San Diego, California 92121
Phone (619) 457-0400 • Fax (619) 558-1236

A request is hereby made to review Department of Environmental Health (DEH) records, as indicated below for the following reason:

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Peter David Clark — Signature
SR. STAFF ENV. GEOLOGIST — Title
5/6/97 — Date

A separate form must be completed for each file/address. Each request is limited to a **MAXIMUM OF 5** addresses.

Establishment Name	**EXACT** Address/City **REQUIRED** (No Street Ranges Accepted)	Zip Code **REQUIRED**	File # (Optional)
	9484 MISSION PARK PLACE SANTEE, CA,	92071	

TYPE OF INFORMATION REQUESTED (Check as many as apply) Must be checked.

- ☒ Routine Inspection Permit File
- ☒ Tank Removal
- ☒ Tank Installation/ Repiping
- ☒ Contamination Files
- ☒ Emergency Response
- ☒ Complaint
- ☒ Monitoring Wells APN# 381-070-56-00 (Must Provide)

OFFICE USE ONLY BELOW THIS LINE

Files checked for Confidential Information	H#	AT#	NT#	T#	HIRT#	#
By/Date:						

Clerical Time:

Research _____ Initials _____ Pulling _____ / _____ Initials

Checking _____ / _____ Initials _____ Misc. _____ Initials

Files reviewed by: _____ of _____ Date: _____

Photocopies _____ Cost _____ Paid _____

Photocopies picked-up/mailed on _____ Date By _____ Name

☐ A review of records has been conducted and HMMD finds no record of the files you requested for this site.

_____ Signature _____ Title _____ Date

TRANSMISSION VERIFICATION REPORT

TIME : 05/06/1997 00:08
NAME : MINYO & MOORE
FAX : 6195870597
TEL : 6194570400

DATE,TIME	05/06 00:08
FAX NO./NAME	3382377
DURATION	00:00:42
PAGE(S)	02
RESULT	OK
MODE	STANDARD ECM

INTERSEC MISSION GORGE/CARLTO SANTEE 92071 H36158-001
PADRE DAM WATER PIPING PROJECT Discovery Date: 4/16/96
Case Type: NON-TANK / NON-PERMITTED SITE
Case Status: PRELIMINARY ASSESSMENT Status Date: 4/16/96
Lead Agency: HMMD

9484 MISSION PARK PL SANTEE 92071 H02097-001
KETEMA PROCESS EQUIPMENT Discovery Date: 8/28/95
Case Type: NON-TANK / PERMITTED SITE
Case Status: LEAK BEING CONFIRMED Status Date:
Lead Agency: RWQCB

10042 PROSPECT AV SANTEE 92071 H16238-001
CAJON VALLEY TRUCK Discovery Date: 12/22/87 T00872
Case Type: TANK/CONTAMINATED SOIL (LOP)
Case Status: CASE CLOSED Status Date: 4/18/88
Lead Agency: HMMD

10411 PROSPECT AV SANTEE 92071 H04606-001
CALTRANS Discovery Date: 6/15/87 T00678
Case Type: TANK/DISSOLVED SUBST BENE USE AREA (LOP)
Case Status: CASE CLOSED Status Date: 8/06/92
Lead Agency: HMMD

10439 PROSPECT AV SANTEE 92071 H05252-001
SALS PLUMBING Discovery Date: 8/12/86 T00222
Case Type: TANK/CONTAMINATED SOIL (LOP)
Case Status: CASE CLOSED Status Date: 9/15/86
Lead Agency: HMMD

10510 PROSPECT AV SANTEE 92071 H29240-001
T.C. CONSTRUCTION Discovery Date: 9/21/89 T01524
Case Type: TANK/DISSOLVED SUBST BENE USE AREA (LOP)
Case Status: CASE CLOSED Status Date: 5/14/91
Lead Agency: HMMD

9805 PROSPECT AV SANTEE 92071 H20832-001
SOUTHLAND 7-11 STORE NO.20611 Discovery Date: 10/04/94
Case Type: TANK/DISSOLVED SUBST BENE USE AREA (LOP)
Case Status: PRELIMINARY ASSESSMENT Status Date: 11/15/94
Lead Agency: HMMD

9915 PROSPECT AV SANTEE 92071 H25931-001
EADS PROPERTY Discovery Date: 3/13/91
Case Type: NON-TANK / NON-PERMITTED SITE
Case Status: CASE CLOSED Status Date: 8/10/92
Lead Agency: HMMD

COUNTY OF SAN DIEGO

Page 1 of 3

EST. NO. H 02097
DATE 10/2/96
TIME START 9:30 END 12:35
BUS. CODE K35
SPECIALIST DMartinez
CONTACT Frank Rousseau
TITLE Compliance Mngr
PHONE 449 0202

COMPLIANCE INSPECTION REPORT

USINESS NAME KETEMA PROCESS EQUIPMENT
..DDRESS 9484 MISSION PARK PL
CITY/ZIP SANTEE 92071

1 the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and fety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Routine Inspection

P: 10/23/97

Office Use Only

OCT 17 1996

(1) Observed one 55 gallon drum in an outside area immediately adjacent to the treatment / evaporator area. This drum is not properly labeled or closed as required. All containers storing hazardous wastes must be labeled with a Haz Waste label & also include content, physical & hazardous properties, generator information & accumulation start date. You must maintain these containers securely closed except to actively add or remove waste.
CORRECTIVE ACTION: Immediately label this container as indicated and maintain closed.
NOTE: The drum was closed during the inspection

REMARKS:
- Health Permit is current & expires 8/31/97
- Disposal Receipts are onsite and were reviewed
- Employee training records are current

- This Facility has notified the State DTSC regarding treatment of a Hazardous waste and has received authorization under Permit by Rule (PBR). Authorization letter is onsite from state & dated 5/10/96. The HMMD will be the enforcement agency for these

F. Rousseau 10-2-96 A+C Manager
Signature of Business Representative Date Signed Title

COUNTY OF SAN DIEGO

EST. NUMBER H 02097
DATE 10 / 2 / 96
PAGE 2 OF 3

SUPPLEMENTAL INSPECTION REPORT

Office Use Only

BUSINESS ADDRESS: 9484 Mission Park P Santee ZIP CODE: 92071

permitting and will begin enforcement of all applicable regulations beginning in 1997.

• Facility is no longer managing the haz waste under Satellite accumulation guidelines. The waste is immediately transferred to the evaporator area once it is removed from the degreaser, treated and disposed as hazardous waste every 90 days. NOTE: A change in the regulations allows Facilities that generate less than 1000 kg = 270 g per month to store the waste for 180 days. A handout will be provided for your assistance. Review its content to determine if new requirements will apply to this Facility.

• This Facility is undergoing major restructuring. The company has been bought by BIRD MACHINE and most of the operations previously conducted at this site are being moved out of State. Frank stated that all changes should be completed by the end of 1996.

* Note: Once all the changes have been completed you will be required to update and submit an updated Haz Materials Business Plan to this Dept.

** Health Permit is site/owner specific and is not transferable. You are required to submit a new application to this Department within 30 days of this change. An application was provided today & must be completed & submitted within the next 30 days.

F Romero 10-2-96 A & C Manager
Signature of Business Representative Title

DISTRIBUTION: WHITE RETURN TO HMMD

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

EST. NUMBER H 02097

DATE 10 / 2 / 96

PAGE 3 OF 3

BUSINESS ADDRESS: 9484 Mission Park P Santee 92071

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19/22/23 of the California Code of Regulations (CCR), Chapters 6.5, 6.7, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

I HAZARDOUS WASTE REQUIREMENTS:

RECORD KEEPING

[ ] Health Permit not obtained SDCC 68.905 V0108 W____
[ ] No EPA Identification Number 66262.12 V0105 W____
[ ] Waste Manifests/Receipts not on-site for 3 years 66262.40 V0118 W____
[ ] Manifest not properly completed 66262.23 V0120 W____
[ ] Manifest copy not sent to CAL-EPA 66262.23 V0115 W____
[ ] TSDF signed-manifest not on-site 66262.40 V0121 W____
[ ] Biennial report not sent to CAL-EPA 66262.41 V0122 W____
[ ] LDR Documentation not available 66268.7 V0123 W____
[ ] Exception Rpt. not filed with CAL-EPA 66262.42 V0116 W____
[ ] Operating TSDF without authorization 25201 V0124 W____

STORAGE AND HANDLING

[ ] Waste stored longer than 90 days 66262.34 V0221 W____
[ ] Waste container missing/improperly labeled 66262.34 V0222 W____
[ ] Haz Materials not properly labeled 25124 V0223 W____
[X] Waste container not kept closed 66265.173 V0202 W____
[ ] Waste container in poor condition 66265.171 V0205 W____
[ ] Waste container(s) not properly managed 66265.173 V0210 W____
[ ] Damaged container not repackaged 66265.171 V0226 W____
[ ] Container incompatible with waste 66265.172 V0207 W____
[ ] Incompatibles in the same container 66265.177 V0224 W____
[ ] Incompatibles not stored separately 66265.177 V0213 W____
[ ] Ignitible Wastes less than 50 feet 66265.176 V0214 W____
[ ] Ignitible Wastes not grounded 66265.31 V0215 W____
[ ] Storage area not inspected weekly 66265.174 V0216 W____

DISPOSAL AND TRANSPORTATION

[ ] Unauth. disposal of waste to _____ 25189.5 V0313 W____
[ ] Waste determination not made 66262.11 V0319 W____
[ ] Unlawful transport of haz. waste 25163 V0315 W____
[ ] Waste transported without manifest 66262.20 V0316 W____
[ ] No Extremely Haz. Waste Permit 67430.1 V0317 W____

TRAINING, CONTINGENCY PLAN & EMERGENCY PROCEDURES

[ ] Training records unavailable 66265.16 V0405 W____
[ ] Training program not adequate 66265.16 V0406 W____
[ ] Facility not designed to minimize release 66265.31 V0501 W____
[ ] Spill control equip not available 66265.32 V0508 W____
[ ] Aisle space is obstructed 66265.35 V0509 W____
[ ] Contingency plan not prepared and/or on file 66265.51, 66265.53 V0609 W____

MISCELLANEOUS

[ ] Waste oil contaminated 25250.7 V0225 W____
[ ] Used oil filters improperly managed 66266.130 V0701 W____
[ ] Damaged batteries improperly managed 66266.81 V0702 W____

II UNDERGROUND STORAGE TANK (UST) REQUIREMENTS:

GENERAL UST REQUIREMENTS

[ ] Health Permit not obtained 68.1005, 25284 V3002 T____
[ ] Repair/modify/close permit not obtained 68.1005 V3007 T____
[ ] UST Permit Application not submitted 25286(a) V3010 T____
[ ] Operating permit conditions violated 2712 V3011 T____
[ ] Failed to notify HMMD of changes 25284 V3012 T____
[ ] No owner/operator agreement 25293 V3005 T____
[ ] No records of financial coverage 25292.2 V3013 T____
[ ] No maint/monit/calib records available 2712(b), 2641i V3001 T____

MONITORING REQUIREMENTS (SINGLE WALL)

[ ] Leak Detection Method does not meet performance standards 2643 V3014 T____
[ ] Annual Integrity test not conducted 25292 V3015 T____
[ ] Copy of tank test not submitted to HMMD within 30 days 2643 V3016 T____
[ ] Manual tank gauging (<2000 gal) 2645 not done properly V3017 T____
[ ] Reconciliation not done properly 2646 V3018 T____
[ ] Reconciliation not approved for facility 2646 V3019 T____
[ ] Dispenser meter(s) not calib annually 2646 V3020 T____
[ ] Improper liquid measurements 2646 V3021 T____
[ ] Stick in poor condition 2646 V3022 T____
[ ] Improper monthly reconciliation 2646 V3023 T____
[ ] Failed to report excessive variation 2646 V3024 T____
[ ] Pressurized Product Piping Leak Device not tested annually 25292 V3025 T____

MONITORING REQUIREMENTS (DOUBLE WALL)

[ ] Monitoring system not functional 2632 V3026 T____
[ ] No written monitoring procedure 2632 V3027 T____
[ ] Written response plan not available 2632 V3028 T____
[ ] Spill/Overfill equip. not maintained or installed 2635 V3029 T____

RELEASE REPORTING

[ ] Failure to report an unauthorized release 25295 V3009 T____
[ ] Release record log not available 2651, 2650 V3030 T____
[ ] No leak report/investigation/action 2652 V3031 T____

CLOSURE

[ ] Temporary closure req. not completed 2671 V3006 T____
[ ] Abandoned tank not properly closed 25298 V3032 T____
[ ] Permanent closure req. not completed 2672 V3033 T____

III HAZARDOUS MATERIALS BUSINESS PLAN REQUIREMENTS:

RECORD KEEPING

[ ] Health Permit not obtained SDCC 68.1105 V2001 W____
[ ] Business Plan not established/implemented 25503.5 V2002 W____
[ ] Business Plan not submitted to HMMD 25505 V2007 W____
[X] Business Plan not amended 25505 V2003 W____
[ ] Personnel Training Records not available 2732 V2302 W____

RELEASE REPORTING

[ ] Failure to report a release/threatened release 25507 V2008 W____

BUSINESS PLAN ELEMENTS

[ ] Emergency Response Plan inadequate 25504 V2201 W____
[ ] Emergency Contacts not provided/current 25509 V2203 W____
[ ] Personnel Training Program inadequate 25504 V2301 W____
[ ] Inventory is incomplete 25504 V2005 W____
[ ] Site Map is not sufficient 25509 V2202 W____
[ ] Acutely Haz. Mat. not registered 25533 V2009 W____

An inspection summary report will be mailed shortly. All violations must be corrected. Please call (619) 338-2222 if you have any questions.

J Rousseau — ESTABLISHMENT REPRESENTATIVE
10-1-96 — DATE SIGNED
B+C Manager — TITLE

Department of Environmental Health, Hazardous Materials Management Division, P. O. Box 85261, San Diego, CA 92186-5261

DISTRIBUTION: WHITE-RETURN TO HMMD

COUNTY OF SAN DIEGO — COMPLIANCE INSPECTION REPORT — ROUTE 023

K04 — 07/26/96 — H 0 2 0 9 7

KETEMA PROCESS EQUIPMENT — MAIL TO :

9484 MISSION PARK PL

SANTEE 92071-5610

CONTACT: ~~FRANK ROUSSEAU~~ MARK MALOVIC — OWNER :

PHONE : 449-0202 — FIRE DISTRICT: 49 — COF DISTRICT:

HISTORY

INSPECTION:			SITE:
03/02/93	HOGERVORST	ROUTINE	EPA NO: CAD981450232
03/31/94	HOGERVORST	ROUTINE	
08/17/95	HOGERVORST	ROUTINE	
08/10/92	BP ACCEPTANCE DATE		SIC1: 3441 SIC2: K35

PERMIT STAFF: — POP-UP:

		TO SPECIALIST:	FOR:
( )	DEACTIVATE		
( )	DUPLICATE EST-NUM _____	___/___/___	_____
( )	AGENCY LETTER(S): _____ _____	___/___/___	_____
( )	NOTICE ISSUED	___/___/___	_____
( )	COMPLAINT INSPECTION		

SPECIAL INSTRUCTIONS:

2.8 BB ~~FDT~~ / DTSC Authorization for Tiered Permitting dated 5/10/96 DM 10/96)

- outside compounds ix55 no label open

closed during 1996 thru

- Tiered permitting notification Jan 1996 5/10/96
- No longer Satellite accumulation
- S.K.
  - dragout sludge
  - solid

Manifest

SK 206 lbs solid
223 lbs liquid } 9/6/96

3/22/96

SK 910 lbs liquid

SK 824 lbs liquid 12/7/95

015 TION.

016 SUGGEST EYE AND EAR PROTECTION FOR THIS INSPECTION. DH/95.

017 OIL FILTERS DISPOSED TO VORTEX IN SANTEE.

HW INSPECTION:

013 BE ADVISED THAT CONTAINERS WHOSE PRESSURE IS COMPLETELY DISCHARGED

013 AND THAT ARE COMPLETELY EMPTY MAY BE DISPOSED IN THE REGULAR TRASH

013 WITHOUT PUNCTURING.

VIOLATIONS

WASTE:

001 GENERAL VIOLATION COMPLIANCE-DATE: 95-09 OCCURRENCES: 1
HAZARDOUS WASTE IS STORED IN EXCESS OF ALLOWABLE TIME PERIOD WITHOUT A STATE PERMIT OR WRITTEN VARIANCE CCR 66262.34

002 GENERAL VIOLATION COMPLIANCE-DATE: 95-09 OCCURRENCES: 2
HAZARDOUS WASTE CONTAINERS ARE MISSING LABELS, ACCUMULATION DATE AND/OR ARE IMPROPERLY LABELED CCR 66262.34

003 GENERAL VIOLATION COMPLIANCE-DATE: 95-09 OCCURRENCES: 2
HAZARDOUS WASTE CONTAINERS ARE NOT KEPT CLOSED WHILE IN STORAGE CCR 66265.173

004 GENERAL VIOLATION COMPLIANCE-DATE: 95-09 OCCURRENCES: 2
USED OIL FILTERS NOT PROPERLY DRAINED, STORED, OR LABELED PRIOR TO TRANSPORT FOR THE PURPOSE OF METAL RECLAMATION. CCR 66266.130

005 GENERAL VIOLATION COMPLIANCE-DATE: 95-09 OCCURRENCES: 1
BUSINESS PLAN INVENTORY DOES NOT LIST ALL HAZARDOUS MATERIALS ON SITE IN DISCLOSABLE QUANTITIES HSC 25504 (A), 25503.5

COUNTY OF SAN DIEGO | COMPLIANCE INSPECTION REPORT | ROUTE 023

K04 | 07/26/96 | H 0 2 0 9 7

WASTES

		MAX QTY	ANN QTY	UNIT	STR	TRT MTD	CON	CAR	DIS
005	741 LIQ W HALOG ORG >OR= 1000MG/L	110	110	GALS	DMS	007			YES
✓	1406 SAFETY-KLEEN								
	COMMENT:								
	FIELD NOTE:								

		MAX QTY	ANN QTY	UNIT	STR	TRT MTD	CON	CAR	DIS
006	751 SOLD/SLDG W HAL ORG>=1000MG/K	55	55	GALS	DMS	007			YES
	1406 SAFETY-KLEEN								
	COMMENT: CORNCOB WASTE W/CLNT MTLS								
	FIELD NOTE:								

		MAX QTY	ANN QTY	UNIT	STR	TRT MTD	CON	CAR	DIS
007	213 HYDROCARBON SOLVENTS	140	840	GALS	PE	001			YES
	1406 SAFETY-KLEEN DELETE								
	COMMENT: 2 SAFETY KLEEN UNITS								
	FIELD NOTE:								

		MAX QTY	ANN QTY	UNIT	STR	TRT MTD	CON	CAR	DIS
008	221 WASTE OIL & MIXED OIL	100	400	GALS	DMS	001			YES
	~~3691 ENVIROPUR WEST CORPORATION~~ 1406								
	COMMENT:								
	FIELD NOTE:								

		MAX QTY	ANN QTY	UNIT	STR	TRT MTD	CON	CAR	DIS
009	342 ORGANIC LIQUIDS W/METALS	55	55	GALS	DMS	007			YES
	1406 SAFETY-KLEEN								
	COMMENT: PAINTWASTE								
	FIELD NOTE:								

DELETE

		MAX QTY	ANN QTY	UNIT	STR	TRT MTD	CON	CAR	DIS
	WASTE CODE:								
	HAULER:								
	COMMENT:								
	FIELD NOTE:								

COUNTY OF SAN DIEGO | COMPLIANCE INSPECTION REPORT | ROUTE 023

K04 | 07/26/96 | H 0 2 0 9 7

INVENTORY

		MAX QTY	ANN QTY	UNIT	STR	MSDS	CON	CAR
	CAS NO: 7440-37-1	10,000	3,500	CUFT	AS3			
001	ARGON GAS							
	HAZARD CAT 1: SUDDN RLSE OF PRES	HAZARD CAT 2: ~~DELAYD HLTH HAZARD~~ 04						
	FIELD NOTE:							

		MAX QTY	ANN QTY	UNIT	STR	MSDS	CON	CAR
	CAS NO: 7440-59-7	6,984	25,125	CUFT	CY			
002	HELIUM GAS							
	HAZARD CAT 1: SUDDN RLSE OF PRES	HAZARD CAT 2: ~~DELAYD HLTH HAZARD~~ 04						
	FIELD NOTE:							

		MAX QTY	ANN QTY	UNIT	STR	MSDS	CON	CAR
	CAS NO: 7440-37-1	6,500	7,700	CUFT	CY			
003	ARGON GAS							
	HAZARD CAT 1: SUDDN RLSE OF PRES	HAZARD CAT 2: ~~DELAYD HLTH HAZARD~~ 04						
	FIELD NOTE:							

		MAX QTY	ANN QTY	UNIT	STR	MSDS	CON	CAR
	CAS NO: 7782-44-7	2,500	3,750	CUFT	CY			
004	OXYGEN GAS							
	HAZARD CAT 1: ~~SUDDN RLSE OF PRES~~ 01	HAZARD CAT 2: ~~FIRE HAZARD~~ 02						
	FIELD NOTE:							

	MAX QTY	ANN QTY	UNIT	STR	MSDS	CON	CAR
CAS NO: 7440-37-1	1,200	4,690	CUFT	CY			

016 ~~2% OXYGEN 98% ARGON~~ ARGON GAS 98 %, OXYGEN GAS 2 %

04

HAZARD CAT 1: SUDDN RLSE OF PRES HAZARD CAT 2: ~~DELAYD HLTH HAZARD~~

FIELD NOTE:

	MAX QTY	ANN QTY	UNIT	STR	MSDS	CON	CAR
CAS NO: 64742-57-7	165	165	GALS	DMS			

022 ~~TELLUS OIL 46~~ PARAFFINIC DISTILLATE 99% (Tellus Oil 46)

HAZARD CAT 1: FIRE HAZARD HAZARD CAT 2: DELAYD HLTH HAZARD

FIELD NOTE:

	MAX QTY	ANN QTY	UNIT	STR	MSDS	CON	CAR
CAS NO: 64742-88-7	55	55	GALS	DPS			

024 ~~ENGINE DEGREASER~~ mineral spirits 65% (engine degreaser)

01 11

HAZARD CAT 1: ~~DELAYD HLTH HAZARD~~ HAZARD CAT 2: OTHER

FIELD NOTE:

	MAX QTY	ANN QTY	UNIT	STR	MSDS	CON	CAR
CAS NO: 124-38-9	6,600	1,700	CUFT	CY			

025 CARBON DIOXIDE GAS

04

HAZARD CAT 1: SUDDN RLSE OF PRES HAZARD CAT 2: ~~DELAYD HLTH HAZARD~~

FIELD NOTE:

COUNTY OF SAN DIEGO | COMPLIANCE INSPECTION REPORT | ROUTE 023

K04 | 07/26/96 | H 0 2 0 9 7

		MAX QTY	ANN QTY	UNIT	STR	MSDS	CON	CAR
	CAS NO: 7727-37-9	900	912	CUFT	CY			
026	NITROGEN GAS							
	HAZARD CAT 1: SUDDN RLSE OF PRES	HAZARD CAT 2: ~~SUDDN RLSE OF PRES~~ 04						
	FIELD NOTE:							

		MAX QTY	ANN QTY	UNIT	STR	MSDS	CON	CAR
	CAS NO: 124-38-9	1,000	1,000	CUFT	CY			
027	25% CARBON DIOXIDE 75% ARGON DELETE							
	HAZARD CAT 1: SUDDN RLSE OF PRES	HAZARD CAT 2: SUDDN RLSE OF PRES						
	FIELD NOTE: mixmix? See #31							

		MAX QTY	ANN QTY	UNIT	STR	MSDS	CON	CAR
	CAS NO: 74-86-2	4,500	2,100	CUFT	CY			
028	CHEM-O-LENE GAS							
	HAZARD CAT 1: ~~SUDDN RLSE OF PRES~~ 01	HAZARD CAT 2: ~~DELAYD HLTH HAZARD~~ 02						
	FIELD NOTE:							

		MAX QTY	ANN QTY	UNIT	STR	MSDS	CON	CAR
	CAS NO: 7440-37-1	300	300	CUFT	CY			
	ARGON GAS 75% HELIUM GAS 25%							
029	~~75% ARGON 25% HELIUM~~							
	HAZARD CAT 1: SUDDN RLSE OF PRES	HAZARD CAT 2: ~~SUDDN RLSE OF PRES~~ 04						
	FIELD NOTE:							

		MAX QTY	ANN QTY	UNIT	STR	MSDS	CON	CAR
030	CAS NO: 7440-37-1	1,800	1,000	CUFT	CY			
	ARGON GAS 92% OXYGEN GAS 7% HELIUM GAS 2% (TRI MIX)							
	~~TRI MIX~~							
	HAZARD CAT 1: SUDDN RLSE OF PRES HAZARD CAT 2: ~~DELAYD HLTH HAZARD~~ 04							
	FIELD NOTE: 92 Ar 7 O2 2 He							

		MAX QTY	ANN QTY	UNIT	STR	MSDS	CON	CAR
034	CAS NO: 7440-37-1	1,200	1,384	CUFT	CY			
	ARGON GAS 75% CARBON DIOXIDE GAS 25%							
	~~[illegible]~~							
	HAZARD CAT 1: SUDDN RLSE OF PRES HAZARD CAT 2: ~~DELAYD HLTH HAZARD~~ 04							
	FIELD NOTE:							

		MAX QTY	ANN QTY	UNIT	STR	MSDS	CON	CAR
032	CAS NO: 74-98-6	1,000	50,487	CUFT	AS2			
	PROPANE GAS							
	HAZARD CAT 1: ~~SUDDN RLSE OF PRES~~ 01 HAZARD CAT 2: ~~FIRE HAZARD~~ 02							
	FIELD NOTE:							

		MAX QTY	ANN QTY	UNIT	STR	MSDS	CON	CAR
033	7740-37-1							
	CAS NO: ~~[illegible]~~ 300	381	CUFT	CY				
	ARGON GAS 75% OXYGEN GAS 25%							
	~~75% ARGON 25% OXYGEN~~							
	HAZARD CAT 1: SUDDN RLSE OF PRES HAZARD CAT 2: ~~DELAYD HLTH HAZARD~~ 04							
	FIELD NOTE: Add 20 Ar.							

		MAX QTY	ANN QTY	UNIT	STR	MSDS	CON	CAR
	CAS NO: 71-55-6	55	55	GALS	DMS			
035	~~WELCO ANTI SPLATTER~~ 111 Trichloroethane 80% (WELCO ANTISPLATTER)							
	HAZARD CAT 1: DELAYD HLTH HAZARD HAZARD CAT 2: OTHER							
	FIELD NOTE:							

		MAX QTY	ANN QTY	UNIT	STR	MSDS	CON	CAR
	CAS NO: MIXTURE	55	55	GALS	DMS			
036	SYNTILO DELETE							
	HAZARD CAT 1: DELAYD HLTH HAZARD HAZARD CAT 2: OTHER							
	FIELD NOTE: no longer used							

		MAX QTY	ANN QTY	UNIT	STR	MSDS	CON	CAR
	CAS NO: MIXTURE	500	500	LBS	BA			
037	DIATONACEOUS EARTH DELETE							
	HAZARD CAT 1: DELAYD HLTH HAZARD HAZARD CAT 2: OTHER							
	FIELD NOTE: purchased as needed NO longer used regularly							

		MAX QTY	ANN QTY	UNIT	STR	MSDS	CON	CAR
	CAS NO: 124-38-9	8,040	15,000	CUFT	CY			
038	Hellum 75% CARBON DIOXIDE 25% ~~HELIUM/CARBON DIOXIDE MIX~~							
	HAZARD CAT 1: SUDDN RLSE OF PRES HAZARD CAT 2: ~~OTHER~~ 04							
	FIELD NOTE:							

COUNTY OF SAN DIEGO

ES NUMBER H 02098

DATE 8 / 17 / 95

PAGE 1 OF 4

COMPLIANCE INSPECTION REPORT

BUSINESS ADDRESS: Kitema Process Equipment; 9484 Mission Park Place Santee

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19/22/23 of the California Code of Regulations (CCR), Chapters 6.5, 6.7, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

I HAZARDOUS WASTE REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.905 — V0108 W
- [ ] No EPA Identification Number 66262.12 — V0105 W
- [ ] Waste Manifests/Receipts not on-site for 3 years 66262.40 — V0118 W
- [ ] Manifest not properly completed 66262.23 — V0120 W
- [ ] Manifest copy not sent to CAL-EPA 66262.23 — V0115 W
- [ ] TSDF signed-manifest not on-site 66262.40 — V0121 W
- [ ] Biennial report not sent to CAL-EPA 66262.41 — V0122 W
- [ ] LDR Documentation not available 66268.7 — V0123 W
- [ ] Exception Rpt. not filed with CAL-EPA 66262.42 — V0116 W
- [ ] Operating TSDF without authorization 25201 — V0124 W

STORAGE AND HANDLING

- [ ] Waste stored longer than 90 days 66262.34 — V0221 W
- [X] Waste container missing/improperly labeled 66262.34 — V0222 W
- [ ] Haz Materials not properly labeled 25124 — V0223 W
- [ ] Waste container not kept closed 66265.173 — V0202 W
- [ ] Waste container in poor condition 66265.171 — V0205 W
- [ ] Waste container(s) not properly managed 66265.173 — V0210 W
- [ ] Damaged container not repackaged 66265.171 — V0226 W
- [ ] Container incompatible with waste 66265.172 — V0207 W
- [ ] Incompatibles in the same container 66265.177 — V0224 W
- [ ] Incompatibles not stored separately 66265.177 — V0213 W
- [ ] Ignitible Wastes less than 50 feet 66265.176 — V0214 W
- [ ] Ignitible Wastes not grounded 66265.31 — V0215 W
- [ ] Storage area not inspected weekly 66265.174 — V0216 W

DISPOSAL AND TRANSPORTATION

- [ ] Unauth. disposal of waste to _____ 25189.5 — V0313 W
- [ ] Waste determination not made 66262.11 — V0319 W
- [ ] Unlawful transport of haz. waste 25163 — V0315 W
- [ ] Waste transported without manifest 66262.20 — V0316 W
- [ ] No Extremely Haz. Waste Permit 67430.1 — V0317 W

TRAINING, CONTINGENCY PLAN & EMERGENCY PROCEDURES

- [ ] Training records unavailable 66265.16 — V0405 W
- [ ] Training program not adequate 66265.16 — V0406 W
- [ ] Facility not designed to minimize release 66265.31 — V0501 W
- [ ] Spill control equip not available 66265.32 — V0508 W
- [ ] Aisle space is obstructed 66265.35 — V0509 W
- [ ] Contingency plan not prepared and/or on file 66265.51, 66265.53 — V0609 W

MISCELLANEOUS

- [ ] Waste oil contaminated 25250.7 START DATE — V0225 W
- [X] Used oil filters improperly managed 66266.130 — V0701 W
- [ ] Damaged batteries improperly managed 66266.81 — V0702 W

II UNDERGROUND STORAGE TANK (UST) REQUIREMENTS:

GENERAL UST REQUIREMENTS

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- [ ] Repair/modify/close permit not obtained 68.1005 — V3007 T
- [ ] UST Permit Application not submitted 25286(a) — V3010 T
- [ ] Operating permit conditions violated 2712 — V3011 T
- [ ] Failed to notify HMMD of changes 25284 — V3012 T
- [ ] No owner/operator agreement 25293 — V3006 T
- [ ] No records of financial coverage 25292.2 — V3013 T
- [ ] No maint/monit/calib records available 2712(b), 2641i — V3001 T

MONITORING REQUIREMENTS (SINGLE WALL)

- [ ] Leak Detection Method does not meet performance standards 2643 — V3014 T
- [ ] Annual Integrity test not conducted 25292 — V3015 T
- [ ] Copy of tank test not submitted to HMMD within 30 days 2643 — V3016 T
- [ ] Manual tank gauging (<2000 gal) 2645 not done properly — V3017 T
- [ ] Reconciliation not done properly 2646 — V3018 T
- [ ] Reconciliation not approved for facility 2646 — V3019 T
- [ ] Dispenser meter(s) not calib annually 2646 — V3020 T
- [ ] Improper liquid measurements 2646 — V3021 T
- [ ] Stick in poor condition 2646 — V3022 T
- [ ] Improper monthly reconciliation 2646 — V3023 T
- [ ] Failed to report excessive variation 2646 — V3024 T
- [ ] Pressurized Product Piping Leak Device not tested annually 25292 — V3025 T

MONITORING REQUIREMENTS (DOUBLE WALL)

- [ ] Monitoring system not functional 2632 — V3026 T
- [ ] No written monitoring procedure 2632 — V3027 T
- [ ] Written response plan not available 2632 — V3028 T
- [ ] Spill/Overfill equip. not maintained or installed 2635 — V3029 T

RELEASE REPORTING

- [ ] Failure to report an unauthorized release 25295 — V3009 T
- [ ] Release record log not available 2651, 2650 — V3030 T
- [ ] No leak report/investigation/action 2652 — V3031 T

CLOSURE

- [ ] Temporary closure req. not completed 2671 — V3006 T
- [ ] Abandoned tank not properly closed 25298 — V3032 T
- [ ] Permanent closure req. not completed 2672 — V3033 T

III HAZARDOUS MATERIALS BUSINESS PLAN REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.1105 — V2001 W
- [ ] Business Plan not established/implemented 25503.5 — V2002 W
- [ ] Business Plan not submitted to HMMD 25505 — V2007 W
- [ ] Business Plan not amended 25505 — V2003 W
- [ ] Personnel Training Records not available 2732 — V2302 W

RELEASE REPORTING

- [ ] Failure to report a release/threatened release 25507 — V2008 W

BUSINESS PLAN ELEMENTS

- [ ] Emergency Response Plan inadequate 25504 — V2201 W
- [ ] Emergency Contacts not provided/current 25509 — V2203 W
- [ ] Personnel Training Program inadequate 25504 — V2301 W
- [X] Inventory is incomplete 25504 — V2005 W
- [ ] Site Map is not sufficient 25509 — V2202 W
- [ ] Acutely Haz. Mat. not registered 25533 — V2009 W

An inspection summary report will be mailed shortly. All violations must be corrected. Please call (619) 338-2222 if you have any questions.

F Rousseau
ESTABLISHMENT REPRESENTATIVE

A T C Meagen
TITLE

Department of Environmental Health, Hazardous Materials Management Division, P. O. Box 85261, San Diego, CA 92186-5261

DISTRIBUTION: WHITE-RETURN TO HMMD

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

NUMBER H 02097
DATE 8 / 17 / 95
PAGE 2 OF 4
BUS CODE K35
SPECIALIST D. HOGERVORST

BUSINESS NAME Ketema Process Equipment
ADDRESS 9484 Mission Park Place
CITY/ZIP Santee, Ca. 92071

CONTACT FRANK ROUSSEAU
TITLE
PHONE 449-0202

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Process 11/13/95 CS

Office Use Only

An annual compliance inspection was made today with Frank Rousseau

VIOLATIONS: OCT 20 1995

(1) In the hazardous waste storage area, observed 4x55 drums of oily wastewater from the degreaser. According to Frank, this waste is periodically run through an evaporator, and the resulting waste sludge is managed as hazardous waste. Label the oily water to be treated as "Excluded Recyclable Material" along with all other information found on a hazardous waste label. Manage/recycle within 90 days of generation. (or liquid waste)

(2) R B) Hazardous waste sludge, stored in 2x55 drums, is being managed by satellite accumulation, per Frank. The following conditions apply to waste generated under satellite accumulation:

a. The waste must be generated in container near the initial point of generation.

b. The initial pt. of collection must be under the control of the operator for that process.

c. Only 1 55-gallon drum to be located in that area, unless operator deems this impracticable.

d. Label containers with proper hazardous waste labeling, date of initial accumulation and final 90-day storage date.

F Rousseau
Signature of Business Representative

ROC Manager
Title

Department of Health Services, Environmental Health Services, Hazardous Materials Management Division, PO Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

Department of Health Services
Environmental Health Services

DHS:HM-924 (3/94) NCR

COUNTY OF SAN DIEGO

SUPPLEMENTAL INSPECTION REPORT

EST. NUMBER H 02097
DATE 8 / 17 / 95
PAGE 3 OF 4

Office Use Only

BUSINESS NAME: Ketema

Refer to Management Memo # ED-93-008-mm for all conditions/requirements that apply. Please note that according to Section E.2(c) on page 15, no treatment of hazardous waste is allowed while being accumulated under the satellite accumulation exemption.

(3) Close all hazardous waste containers except when adding or removing from the container.

(4) Provide a closed container for the oil filters and label as "drained used oil filters" provide a start date and manage within 1 year.

(5) Be advised that the evaporator used to treat the waste onsite is a form of "treatment" which is regulated by Dept. of Toxic Substances Control. You must notify for this treatment process to obtain authorization. Contact DTSC at (310) 590-4968 for information.

(6) The Business Plan reviewed today requires an update. See handout provided for directions and forms necessary.

(7) Dispose of hazardous waste within 90 days after 27 gallons (100 kg) of total waste has accumulated. If satellite accumulation is claimed, all of the conditions must be met. Please indicate the status of haz waste mgt for this site.

(8) Media used for the bead blaster is glass beads; a waste determination must be done on the fines to ensure that this waste does not fail for hazardous waste criteria.

(9) In bldg 2, 2 x 55 drums were labeled "contaminated oil." Provide haz. waste labels for these drums. Dispose w/in 90 days.

(10) Per Frank, aerosol cans are punctured and drained prior to disposal to landfill - this qualifies as treatment.

F Rousseau
Signature of Business Representative

R & C Manager
Title

Department of Health Services, Hazardous Materials Management Division, PO Box 85261 San Diego CA, 92138-5261

(619) 338-2222

COUNTY OF SAN DIEGO

SUPPLEMENTAL INSPECTION REPORT

EST. NUMBER H 02097
DATE 8 / 17 / 95
PAGE 4 OF 4

Office Use Only

BUSINESS NAME: Ketema

2 R W

Be advised that containers whose pressure is completely discharged and that are completely empty may be dispose in the regular trash without puncturing.

(11) Additional items to be added to inventory include the Syntilo coolant and diatomaceous earth. Notify the Hmmp within 30 days of a change in any Business Plan information including the addition/subtraction of inventoriable quantities of hazardous materials.

(12) Training program reviewed - add to your training information on management of hazardous waste, including storage time labeling closed containers, etc. to be done annually.

(13) During the walk-through, we observed dust generated from grinding and polishing (large vacuum machines in this area also generate) collect dust on their filters and in their vacuum bags. Perform a waste determination on the dust waste prior to disposal.

REMARKS:

- Reviewed waste disposal manifests for 1993-1995.
- Health Permit posted (8.31.95)

3 R B

MSDS Sheets received for Syntilo coolant, Diatomaceous Earth and Crystal Simple Green (to replace Chemsolv): 8/8/95

F Rosecar
Signature of Business Representative

R+C Manager
Title

Department of Health Services, Hazardous Materials Management Division, PO Box 85261 San Diego CA, 92138-5261

(619) 338-2222

COUNTY OF SAN DIEGO

Contact: Frank Rousseau

EST. NUMBER H 02096
DATE 8 / 30 / 95
PAGE 1 OF 1

SUPPLEMENTAL INSPECTION REPORT

Office Use Only

BUSINESS NAME: Kotema; 9484 Mission Park Place, Santee 92071

This report is being issued to clarify issues of treatment; satellite accumulation for the rinsing / degreasing process and subsequent evaporation of hazardous waste liquid.

The waste generated from the degreasing equipment is statutorily defined as hazardous waste; once this waste is removed from the equipment, it may be stored at that location for up to 1 year provided all the conditions for satellite accumulation are met. (See previous report). Label the drum as hazardous waste at that point.

One year from the initial start date, the waste must be moved to an authorized hazardous waste facility (onsite or offsite). Be advised that since the evaporation treatment unit onsite has not been authorized by the State DTSC, only offsite disposal will be allowed until a treatment permit is obtained.

Any resulting hazardous waste sludge from the treatment process must be disposed within 90 days as no treatment of hazardous waste is allowed while being accumulated under the satellite accumulation exemption.

Note: Frank describes degreaser as a wash rack that collects rinse water from degreasing of parts using a biodegradable water-based solution. The original degreasing waste water is not listed if a chlorinated solvent is not used.

(Q B)

F Rousseau
Signature of Business Representative

B+C Manager
Title

Department of Health Services, Hazardous Materials Management Division, PO Box 85261 San Diego CA, 92138-5261

(619) 338-2222

COUNTY OF SAN DIEGO

ESA NUMBER H 02097

DATE 3 / 31 / 94

PAGE 1 OF 2

COMPLIANCE INSPECTION REPORT

BUSINESS ADDRESS: Ketema Process Equipment; 9484 Mission Park Place Santee, Ca. 92071

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19/22/23 of the California Code of Regulations (CCR), Chapters 6.5, 6.7, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

I HAZARDOUS WASTE REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.905 — V0108 W____
- [ ] No EPA Identification Number 66262.12 — V0105 W____
- [ ] Waste Manifests/Receipts not on-site for 3 years 66262.40 — V0118 W____
- [ ] Manifest not properly completed 66262.23 — V0120 W____
- [ ] Manifest copy not sent to CAL-EPA 66262.23 — V0115 W____
- [ ] TSDF signed-manifest not on-site 66262.40 — V0121 W____
- [ ] Biennial report not sent to CAL-EPA 66262.41 — V0122 W____
- [ ] LDR Documentation not available 66268.7 — V0123 W____
- [ ] Exception Rpt. not filed with CAL-EPA 66262.42 — V0116 W____
- [ ] Operating TSDF without authorization 25201 — V0124 W____

STORAGE AND HANDLING

- [ ] Waste stored longer than 90 days 66262.34 — V0221 W____
- [X] Waste container missing/improperly labeled 66262.34 — V0222 W____
- [ ] Haz Materials not properly labeled 25124 — V0223 W____
- [X] Waste container not kept closed 66265.173 — V0202 W____
- [ ] Waste container in poor condition 66265.171 — V0205 W____
- [ ] Waste container(s) not properly managed 66265.173 — V0210 W____
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- [ ] Incompatibles in the same container 66265.177 — V0224 W____
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- [ ] Ignitible Wastes less than 50 feet 66265.176 — V0214 W____
- [ ] Ignitible Wastes not grounded 66265.31 — V0215 W____
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DISPOSAL AND TRANSPORTATION

- [ ] Unauth. disposal of waste to _____ 25189.5 — V0313 W____
- [ ] Waste determination not made 66262.11 — V0319 W____
- [ ] Unlawful transport of haz. waste 25163 — V0315 W____
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- [ ] No Extremely Haz. Waste Permit 67430.1 — V0317 W____

TRAINING, CONTINGENCY PLAN & EMERGENCY PROCEDURES

- [ ] Training records unavailable 66265.16 — V0405 W____
- [ ] Training program not adequate 66265.16 — V0406 W____
- [ ] Facility not designed to minimize release 66265.31 — V0501 W____
- [ ] Spill control equip not available 66265.32 — V0508 W____
- [ ] Aisle space is obstructed 66265.35 — V0509 W____
- [ ] Contingency plan not prepared and/or on file 66265.51, 66265.53 — V0609 W____

MISCELLANEOUS

- [ ] Waste oil contaminated 25250.7 — V0225 W____
- [ ] Used oil filters improperly managed 66266.130 — V0701 W____
- [ ] Damaged batteries improperly managed 66266.81 — V0702 W____

II UNDERGROUND STORAGE TANK (UST) REQUIREMENTS:

GENERAL UST REQUIREMENTS

- [ ] Health Permit not obtained 68.1005, 25284 — V3002 T____
- [ ] Repair/modify/close permit not obtained 68.1005 — V3007 T____
- [ ] UST Permit Application not submitted 25286(a) — V3010 T____
- [ ] Operating permit conditions violated 2712 — V3011 T____
- [ ] Failed to notify HMMD of changes 25284 — V3012 T____
- [ ] No owner/operator agreement 25293 — V3005 T____
- [ ] No records of financial coverage 25292.2 — V3013 T____
- [ ] No maint/monit/calib records available 2712(b), 2641i — V3001 T____

MONITORING REQUIREMENTS (SINGLE WALL)

- [ ] Leak Detection Method does not meet performance standards 2643 — V3014 T____
- [ ] Annual Integrity test not conducted 25292 — V3015 T____
- [ ] Copy of tank test not submitted to HMMD within 30 days 2643 — V3016 T____
- [ ] Manual tank gauging (<2000 gal) 2645 not done properly — V3017 T____
- [ ] Reconciliation not done properly 2646 — V3018 T____
- [ ] Reconciliation not approved for facility 2646 — V3019 T____
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- [ ] Failed to report excessive variation 2646 — V3024 T____
- [ ] Pressurized Product Piping Leak Device not tested annually 25292 — V3025 T____

MONITORING REQUIREMENTS (DOUBLE WALL)

- [ ] Monitoring system not functional 2632 — V3026 T____
- [ ] No written monitoring procedure 2632 — V3027 T____
- [ ] Written response plan not available 2632 — V3028 T____
- [ ] Spill/Overfill equip. not maintained or installed 2635 — V3029 T____

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- [ ] Failure to report an unauthorized release 25295 — V3009 T____
- [ ] Release record log not available 2651, 2650 — V3030 T____
- [ ] No leak report/investigation/action 2652 — V3031 T____

CLOSURE

- [ ] Temporary closure req. not completed 2671 — V3006 T____
- [ ] Abandoned tank not properly closed 25298 — V3032 T____
- [ ] Permanent closure req. not completed 2672 — V3033 T____

III HAZARDOUS MATERIALS BUSINESS PLAN REQUIREMENTS:

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- [ ] Emergency Contacts not provided/current 25509 — V2203 W____
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- [ ] Inventory is incomplete 25504 — V2005 W____
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An inspection summary report will be mailed shortly. All violations must be corrected. Please call (619) 338-2222 if you have any questions.

[signature] ESTABLISHMENT REPRESENTATIVE

Resource Compliance Manager TITLE

File

COUNTY OF SAN DIEGO

ST. NUMBER H 02097
DATE 3/31/94
PAGE 2 OF 2
BUS CODE K35
SPECIALIST D Hagerwerst
CONTACT Frank Rousseau
TITLE Resources Compliance Manag
PHONE 449-0202

COMPLIANCE INSPECTION REPORT

BUSINESS NAME Kitema Process Equipment
ADDRESS 9484 Mission Park Place
CITY/ZIP Santee, Ca. 92071

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

APR 20 1994

Processed 4/25/94

Office Use Only	
R206	W
R232	W
2172	W
2173	W
R202	W
R231	W
R	W

(1) At an onsite inspection observed several 5 gallon open unlabeled drums (containers) of hazardous waste on a pallet waiting for treatment. All hazardous waste is required to be stored in closed labeled containers even if being temporarily stored before treatment. Either treat the waste immediately after removal from processing equipment or close and label as required.

(2) Observed a small number of oil filters stored in an open unlabeled 5 gallon bucket at the Southeast end of the business (behind the parts storage building). Store filters in a closed container labeled as "drained used oil filters" and dispose of less than 100 kg within 1 year.

Remarks

- Be advised that aerosol containers need not be managed as hazardous waste provided they are depressurized and empty.
- The Business Plan requires reviewing and updating every 2 years.
- Empty container handout provided for information.
- Permit, training records, disposal manifests and Business Plan reviewed and in order.
- Keep all hazardous materials labeled as required.

F Rousseau
Signature of Business Representative

Resource & Compliance Manager
Title

Department of Health Services, Environmental Health Services, Hazardous Materials Management Division, PO Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

DISTRIBUTION: WHITE RETURN TO HMMD

COUNTY OF SAN DIEGO

EST. NUMBER H 02097

COMPLIANCE INSPECTION REPORT

DATE 3 / 2 / 93

BUSINESS ADDRESS: Ketema Process Equipment 9484 Mission Park Pl. Santee 92071

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19/22/23 of the California Code of Regulations (CCR), Chapters 6.5, 6.7, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

MAR 8 1993

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- [ ] Monitoring system not functional 2632 — V3026 T
- [ ] No written monitoring procedure 2632 — V3027 T
- [ ] Written response plan not available 2632 — V3028 T
- [ ] Spill/Overfill equip. not maintained or installed 2635 — V3029 T

RELEASE REPORTING

- [ ] Failure to report an unauthorized release 25295 — V3009 T
- [ ] Release record log not available 2651, 2650 — V3030 T
- [ ] No leak report/investigation/action 2652 — V3031 T

CLOSURE

- [ ] Temporary closure req. not completed 2671 — V3006 T
- [ ] Abandoned tank not properly closed 25298 — V3032 T
- [ ] Permanent closure req. not completed 2672 — V3033 T

III HAZARDOUS MATERIALS BUSINESS PLAN REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.1105 — V2001 W
- [ ] Business Plan not established/implemented 25503.5 — V2002 W
- [ ] Business Plan not submitted to HMMD 25505 — V2007 W
- [ ] Business Plan not amended 25505 — V2003 W
- [ ] Personnel Training Records not available 2732 — V2302 W

RELEASE REPORTING

- [ ] Failure to report a release/threatened release 25507 — V2008 W

BUSINESS PLAN ELEMENTS

- [X] Emergency Response Plan inadequate 25504 — V2201 W
- [X] Emergency Contacts not provided/current 25509 — V2203 W
- [ ] Personnel Training Program inadequate 25504 — V2301 W
- [ ] Inventory is incomplete 25504 — V2005 W
- [ ] Site Map is not sufficient 25509 — V2202 W
- [ ] Acutely Haz. Mat. not registered 25533 — V2009 W

An inspection summary report will be mailed shortly. All violations must be corrected. Please call (619) 338-2222 if you have any questions.

Frank Romasco — ESTABLISHMENT REPRESENTATIVE

Resource & Compliance Manager — TITLE

File

COUNTY OF SAN DIEGO

FACILITY NUMBER H 02097
DATE 3/2/93
PAGE 2 OF 2
BUS CODE K35
SPECIALIST SWANSON/HEERVOK
CONTACT Frank Rousseau
TITLE Resource Compliance Mgr
PHONE 449-0202

COMPLIANCE INSPECTION REPORT

BUSINESS NAME Ketema Process Equipment
ADDRESS 9484 Mission Park Place
CITY/ZIP Santee, CA. 92071

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Office Use Only

Processed 3/16/93 BP

Routine Inspection

① Review of Business Plan revealed that the Emergency Contacts had not been kept current. Submit in writing any changes or additions to the Business Plan to this Department* Attn. Desireé. Be advised that all changes must be submitted within 30 days.

Remarks:

- Currently, the spent bead blast waste has not been changed out of the blasting equipment. Be advised that prior to disposing of the blast waste to the trash, a hazardous waste determination must be conducted to determine whether or not the bead blast media and/or metal dust generated in this process exceed the permissible levels of toxic substances listed in Title 22 of the California Code of Regulations. At a minimum, submit to this office an MSDS describing the contents of the glass beads. Recieved a MSDS copy of bead blast used on site J. Swanson
- Be advised that all Hazardous Materials must be labeled as to their contents for emergency purposes.
- Reviewed Business Plan, Permit, Waste receipts and signed training records onsite.

Frank Rousseau
Signature of Business Representative

Resource & Compliance Manager
Title

* Department of Health Services, Environmental Health Services, Hazardous Materials Management Division, PO Box 85261, San Diego, CA. 92186-5261

Attn. DESIREE

(619) 338-2222

DISTRIBUTION: WHITE-RETURN TO HMMD

County of San Diego

OCT 0 2 RECD

COUNTY OF SAN DIEGO OCT 0 2 RECD

COMPLIANCE INSPECTION REPORT

FACILITY NUMBER H 02097
DATE 9/26/91
BUS CODE K04
SPECIALIST J. Swanson
CONTACT Frank Rousseu
TITLE Safety mgr.
PHONE 449-0202

BUSINESS NAME Ketema Process Equipment
ADDRESS 9484 Mission Park Pl.
CITY/ZIP Santee 92071

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). Violations determined from this inspection are noted below. Additional remarks are intended to provide guidance to correct the violations.

Processed 10/4/91

Office Use Only	
SDCC	W
V0118	W
0105	W
0221	W
0202	W
V0222	W
V0313	W
2004	W
0508	W
0501	W
V0406	W
V3003	T
3004	T
3006	T

COUNTY OF SAN DIEGO

SUPPLEMENTAL INSPECTION REPORT

EST. NUMBER H 02097
DATE 9 / 26 / 91
PAGE 2 OF

Office Use Only

BUSINESS NAME: Ketema Process Equipment

g) manifests for waste oil are on site.
According to the safety manager, the waste oil is 'contaminated' with Chlorine because of the parafin base of the machine shop oils (chlor detect gives a positive reading). Because the test shows up positive, the waste is disposed of with the notation of over 1000 ppm Chlorine in the oil.
Also ~~a~~ trichloroethane is used in cleaning some of the machine parts as well as the products and this contributes to the 'contaminated' waste oil. One drum per 6 months of this waste is generated.

h) a sewer discharge permit has been obtained for the discharge of oil separated water to be dumped to sewer. The oil is placed in the waste oil drum and hauled off.
This procedure may be considered treatment and may require a treatment permit from the State Dept. of Health Services. Please contact the State D.O.H.S. (213) 590-4868.

R B i) <occasional used oil filters are generated (1 filter / 6 months)>
I will check to see if oil filters may be taken to another site for consolidation (another Ketema site).
Be advised used oil filters must be managed as a recyclable material following specific guidelines for handling, labeling, storage and disposal otherwise it must be managed as a hazardous waste.

R W CONDUCT WASTE DETERMINATION FOR BEADBLAST WASTE.

Frank Rousseau
Signature of Business Representative

Safety Manager
Title

Department of Health Services, Hazardous Materials Management Division, PO Box 85261 San Diego CA, 92138-5261

(619) 338-2222

FILE

COUNTY OF SAN DIEGO

EST. NUMBER H 02097
DATE 06/06/90
BUS CODE K04
SPECIALIST R. LAFRENIERE
E. PHILLIPS

COMPLIANCE INSPECTION REPORT

BUSINESS NAME KETEMA PROCESS EQUIPMENT
ADDRESS 9484 MISSION PARK PL
CITY/ZIP SANTEE 92071
CONTACT FRANK RUSSEAU
TITLE SAFETY MGR
PHONE 449-0202

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Title 19, 22, and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). Violations determined from this inspection are noted below. The following statements are intended to provide guidance to correct the violations noted.

Processed 6/27/90

Office Use Only		REMARKS:
R207	W	① STORE ALL HAZARDOUS WASTE IN CLOSED LABELED CONTAINERS EXCEPT WHILE ADDING OR REMOVING WASTES (I.E, BLANCHER METAL SLUDGE, 5 GALLON BUCKETS OF SPENT COOLANT, ETC)
R103	W	② SUBMIT AN UPDATED BUSINESS PLAN WITHIN 30 DAYS
		③ FILL IN GENERATOR'S INFORMATION ON HAZARDOUS WASTE LABELS (i.e, WASTE OIL DRUMS)
2	W	④ A WASTE DETERMINATION SHALL BE PERFORMED ON BEADBLAST WASTE IF THIS WASTE IS TO BE HANDLED AS NONHAZARDOUS.
2208	W	⑤ UNLABELED, MISLABELED OR INADEQUATELY LABELED CONTAINERS BECOME HAZARDOUS WASTE IN 10 DAYS IF CONTENTS ARE NOT IDENTIFIED AND CONTAINER LABELED (I.E, TEST WATER)
R	W	⑥ STRONGLY SUGGEST CONTACTING SAN DIEGO METROPOLITAN INDUSTRIAL WASTE @ 236-6340 TO DETERMINE DISCHARGE REQUIREMENTS FOR OIL SEPERATED WATER.
R	W	⑦ HAZARDOUS WASTE SHALL BE DISPOSED OF A MINIMUM OF ONE TIME PER YEAR OR 90 DAYS AFTER 100 KG HAS BEEN GENERATED

ITEMS IN NON-COMPLIANCE:

SDCC		[ ] A Permit has not been obtained for: [ ] Hazardous Waste [ ] Underground Tanks [ ] Materials Inventory
V0101	W	[ ] Hazardous waste manifests are not maintained on site as evidence of proper disposal - (CCR) Sec 66492 (A)
V0102	W	[ ] Hazardous waste hauler receipts have not been made available for review - - - - - (CCR) Sec 66328 (A) (7)
V0105	W	[ ] An EPA number has not been obtained for your business - - - - - - - - - - - - - - - - - (CCR) Sec 66472 (A)
V0201	W	[ ] Hazardous waste is stored at your business facility longer than 90 days - - - - - - - (CCR) Sec 66508 (A)
V0202	W	[X] Hazardous waste containers are not kept closed while in storage - - - - - - - - - - (CCR) Sec 67243 (A)
V0203	W	[X] Hazardous waste containers are missing labels and/or improperly labeled - - - - - -(CCR) Sec 66508 (A)(3)
V0309	W	[ ] Hazardous waste has been disposed of at a place not authorized by law - - - - - - - - (H&S) Sec 25189.5
V2002	W	[ ] A business plan has not been completed and maintained on site as required - - - - - - - (H&S) Sec 25503.5
V2101	W	[ ] An inventory of disclosable hazardous materials has not been provided - - - - - - - (H&S) Sec 25504 (A)
V2202	W	[ ] A facility site map of your business has not been provided as required - - - - - -(H&S) Sec 25509 (A)(5)
V2301	W	[ ] An outline of your employee training program has not been provided - - - - - - - - (H&S) Sec 25504 (C)
V3001	T	[ ] Underground tank inventory records have not been maintained daily and reconciled - - - (CCR) Sec 2712 (C)
V3201	T	[ ] Evidence of tank precision testing has not been provided annually as required - - - - - -(CCR) Sec 2643

Frank Rousseau
Signature of Business Representative

Safety Manager
Title

Department of Health Services; Hazardous Materials Management Division, PO Box 85261 San Diego CA, 92138-5261

COUNTY OF SAN DIEGO

I. NUMBER H-02097
DATE 1/03/89
BUS CODE K04
SPECIALIST: Michele Striss

COMPLIANCE INSPECTION REPORT

BUSINESS NAME KETEMA (formerly AMETEK)
ADDRESS 9484 Mission Park Pl. Santee 92071
CONTACT Frank Rousseau

PHONE 449-0202
ZIP 92071
TITLE Safety/EPA Manager

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health & Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Title 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). Violations determined from this inspection are noted below. The following statements are intended to provide guidance to correct the violations noted.

* When less than 100 kg (220 lbs) of hazardous waste is generated a month, the waste must be disposed of 90 days after 100 kg is collected

* Drums containing hazardous waste must be labeled with hazardous waste information and accumulation start date.

* Submit an updated business plan to our office within 30 days.

* Our office will contact you concerning your proposed evaporation system.

Office Use Only	

FRANK RUSSELL INDUSTRY INSPECTION ADDENDUM REPORT KETEMA (be used + ATLETEK

ESTABLISHMENT # H02097 DATE 1-3-89

INSPECTOR Michele Stress

need to update inventory: EPA CAD981450232

Metal fabrication

Wastes: oil (coolant) going to be put in evaporation (H_2O) ⟹ oil base - AZTEC oil. Low volume.

Refer to: Carlos Bejar Talk to Ken Calvert — not on line system.

WASTE oil = 60 gal (needs label, sealed)
4 mixed w Kerosene

Centrifuge - sent back wastes to Co.
Industrial Waste - degreasing floors.

MANIFESTS: 435 gal 100 gal (trichloroethane - Disposal Control Services)
oil 440 gal
875
includes process equipment . . . .

INVENTORY: PROPANE
CO_2 - ARGON - Nitrogen
O_2 - ACETYLENE -

BEAD BLAST: glass - Cinton Shot 100 lbs.
Chloro Sol.
KNIGHTS - H2O based degreaser
trichloroethane / Isopropyl alcohol.
Knights - spray rinse (MEK)

DHS-HM 075 (12/86) Maintenance 121 COUNTY OF SAN DIEGO

INDUSTRY INSPECTION ADDENDUM REPORT

ESTABLISHMENT # H-92097 DATE 1-17-89

INSPECTOR Michele Strauss

Discussed with Mr. Rousseau concerning "Water Eater" equipment he may purchase. Basically, if it is Not "on-line" equipment I referred him to State DOHS for further discussion of allowable use in his process.

COUNTY OF SAN DIEGO

DEPARTMENT OF HEALTH SERVICES
1700 Pacific Highway, San Diego, CA 92101
JAMES A. FORDE, Director

SMOKING ENDANGERS EVERYONE'S HEALTH

OFFICIAL NOTICE

DIV. OF ENVIRONMENTAL
HEALTH PROTECTION
(619) 236-2222

Reinspect
on or about 11/1/89

ESTABLISHMENT NO. H02097
DATE 10/10/89

NAME Ken (First) Pkumicure (Last) Miami (Owner, Permittee, Agent, Tenant)

ADDRESS 9494 Mission Park Place CITY Santee ZIP 92071

You are hereby notified that an inspection of your Production Plant located at Same (Address) Same (City) was made on 10/10/89 (Date) by Dispenza (H.W. Specialist) of the County of San Diego Department of Health Services. The following described condition(s) is/are in violation of the following public health law(s), California Health and Safety Code, Chapter 6.5 (Hazardous Waste Control Law); the California Administrative Code, Title 22, Chapter 30; and/or the San Diego County Code, and shall be corrected within 30 days:

Items for disclosure: MEK, LPS Tuffilm Oil, Freon 22 & Chloro-Sol - M.S.D.S sheets shall be supplied with disclosure forms.

☐ Your establishment produces, stores, handles, disposes of, treats or recycles hazardous waste or extremely hazardous waste. Your establishment is therefore subject to the provision of the California Health and Safety Code, Chapter 6.5, (Hazardous Waste Control Law); the California Administrative Code, Title 22, Chapter 30, and the San Diego County Code; and is classified as a hazardous waste establishment.

☒ Your establishment uses, handles, or stores hazardous materials that are subject to the hazardous materials disclosure ordinance requirements pursuant to the San Diego County Code, a hazardous material management permit is required.

Please return a copy of this Official Notice with the reuqired fee of $ 175.00 in the attached pre-addressed stamped envelope.

Note for disclosure ordinance and Sewer/Trans fee

EPA ID CAX 000854X0

Received By: _____ (SPECIALIST) Joel Dispenza

ESTABLISHMENT PHONE NUMBER 449-0202

JOEL L. DISPENZA R.S.

HAZARDOUS WASTE

File

COUNTY OF SAN DIEGO

DEPARTMENT OF HEALTH SERVICES

1700 Pacific Highway, San Diego, CA 92101

SMOKING ENDANGERS EVERYONE'S HEALTH

EST.# H 02017

DATE 4 / 23 / 87

BUS. CODE 751

EPA ID. CAD981433105

PHONE #449-0202

TITLE Safety Mgr.

SURVEILLANCE REPORT

EST. NAME AMETEK, Inc

EST. ADDRESS 9420 Pioneer Pl. - Santee 92071

CONTACT PERSON [illegible] RUSSEAU

On the above date an inspection of your establishment was conducted.

	WASTE TYPE / SOURCE	QTY. PRESENT THIS DATE	AVG. QTY. DISPOSED	TREATMENT	STORAGE	HAULER
1)	Cutting oils/ W. Mat'l Filters	55 G	550 G	INCINER	DMS	PAC. Trtmt.
2)	Solvent (214)	0 G	580 G (1st)	INCINER.	DMS	PAC. T.T
3)	Chromic Acid (191)	0 G	450 GS	Chemical	80G PLASTIC	S.D. ENVIR. SERV.
			Oil unchanged - Not stored any longer			

MAKES CENTRIFUGAL

S IN machines. Truck used oils, Cutting oils, Hydraulic fluid

Submitted 1 page contingency plan & Disclosure

Initialed by [illegible] 5/23/87 to Phyllis Chalmers

VIOLATION REPORT: The items checked below refer to specific section numbers of Title 22 of the California Administrative Code, Chapter 6.5 of the Health and Safety Code, or the San Diego County Code. A copy of these laws and regulations will be made available by this department on request.

RECORD KEEPING

	56492	Manifest copy not kept for 3 years
	56328	Hauler receipts not available
83	56328	Small qty. receipts not available
84	66482	Manifest missing generator info.
	66472	No EPA identification number
	56328	Variance documents not available
	56328	Sewer district approval not obtained
30	58905	Health permit not obtained
10	66482	Manifest missing transporter info.
11	66482	Manifest missing facility info.
	66482	Manifest missing waste description
	66482	Manifest missing qty. & type of waste
	66484	Manifest unsigned by transporter
15	66484	Manifest copies not sent to DOHS
16	66484	Exception report not sent to DOHS
	56493	Biennial report not sent to DOHS

PERSONNEL TRAINING

21	67189	Training program not provided
22	67189	Personnel untrained & unsupervised
23	67189	Training program missing job disc.
	67189	Personnel training not adequate
	67189	Training program records unavailable

HAZARDOUS WASTE STORAGE

81	66598	Storage longer than 90 days
82	67243	Storage container not kept closed
83 X	66598	Container not properly labeled 221
84	66598	Container missing accumulation date
85	67241	Container in poor condition
86	66598	Container label missing waste info.
87	67242	Waste incompatible with container
88	67247	Incompatibles in same container
89	66388	Improper solidification on-site
10	67243	Container not protected adequately
13	67247	Incompatibles not separated
14	67246	Ignitible wastes less than 50 feet
15	67196	Ignitible wastes not grounded
16	67244	Storage area not inspected weekly
17	67257	Waste can cause tank & liner to fail
18	67257	Tank without control or freeboard
19	67257	Cut-off valve not provided for tank
20	67259	Tank & tank equipment not inspected

PREPAREDNESS & PREVENTION

81	67120	Design does not min. waste release
83	67121	No alarm, fire, & control equip
84	67122	Emergency equip. not tested & maint.

HAZARDOUS WASTE DISPOSAL

81	66472	Waste transporter not registered OK
82	66480	Waste transported without manifest
83	66472	TSD facility not permitted or reg.
84	25189.5	Disposal to trash or dumpster
85	25189.5	Disposal to ground surface
86	25189.5	Disposal to storm drain
87	25189.5	Disposal to sewer or septic system
88	25189.5	Disposal to ambient air
89	25191	Disposal to unauthorized point
10	25191	Waste hauled to unauthorized point
11	66471	Waste determination not made
12	66584	Waste packaging not adequate

CONTINGENCY PLANNING

81	67148	Contingency plan not provided
83	67141	Plan missing personnel actions
84	67141	Plan missing equip. & evac. plan
85	67142	Plan not submitted to authorities
86	67143	Plan not reviewed as required
87	67144	Emergency coordinator unavailable
85	67123	Communication access not provided
86	67124	Aisle space obstructed for emergency

A detailed inspection summary will be mailed shortly. All violations must be corrected by the date indicated on the summary. Please call 236-2222 concerning any question regarding this report.

[illegible] Rousseau
ESTABLISHMENT REPRESENTATIVE

P. Chalmers
INSPECTOR

COUNTY OF SAN DIEGO

DEPARTMENT OF HEALTH SERVICES
1700 Pacific Highway, San Diego, CA 92101
JAMES A. FORDE, Director

OFFICIAL NOTICE

DIVISION OF ENVIRONMENTAL
HEALTH PROTECTION - (619) 236-2222

Reinspect on or about: 7/16/84

ESTABLISHMENT NO. H02097

DATE: 6/6/84

NAME: BEN (First) OKUNIEWICZ (Last) OPERATION MANAGER (Owner, Permittee, Agent, Tenant)

ADDRESS: 9484 MISSION PARK PL CITY: SANTEE ZIP 92071

You are hereby notified that an inspection of your MANUFACTURING PLANT located at 9484 MISSION PARK PL (Address), SANTEE (City) was made on 6/6/84 (Date) by JOEL DEPAOLI (H.W. Specialist) of the County of San Diego Department of Health Services. The following described condition(s) is/are in violation of the following public health law(s), California Health and Safety Code, Chapter 6.5; California Administrative Code, Title 22, Division 4, Chapter 30; and San Diego County Code, and shall be corrected within _____ days:

Approx 26 barrels at N-West End of facility - Drums filled w/ waste oil and other waste barrels at West end of facility (Maintenance area of facility)

This material is a hazardous waste as defined by State Law and must be properly disposed of as a hazardous waste. All hazardous waste stored on the premises must be properly contained, labeled and maintained in a secure location. A Uniform Hazardous Waste Manifest must be completed for all hazardous waste transported offsite. These hazardous wastesmust be transported to a State Approved Hazardous Waste Facility by a California Registered Hazardous Waste Hauler.

Within 30 days take the necessary steps to obtain an Industrial Waste Discharge Permit or provide this Department with written documentation from the appropriate sewer district specifically approving said discharge.

Thoroughly clean the grounds where spills have occured. Thoroughly clean all areas where barrels are stored or maintained as waste storage or Product storage.

Take immediate corrective steps to cease the illegal discharge of hazardous waste to the surface of the ground/storm drain. Within 30 days, notify this Department, in writing, of your planned method of disposal. The proper methods of disposal can be: (1) Onsite treatment and recycling of the hazardous waste stream with proper disposal of any hazardous waste residues; (2) Discharge of waste to public sewer under permit by the appropriate sewer agency, or; (3) Offsite disposal (transported by a Registered Hazardous Waste Hauler to a State approved facility).

RECEIVED BY: X _____ (SPECIALIST) Joel Depaoli

HS 4P-044 (9/83) ESTABLISHMENT PHONE NUMBER 449-0202

COUNTY OF SAN DIEGO

DEPARTMENT OF HEALTH SERVICES
1700 Pacific Highway, San Diego, CA 92101
JAMES A. FORDE, Director

OFFICIAL NOTICE

IV. OF ENVIRONMENTAL
EALTH PROTECTION
(619) 236-2222

Reinspect on or about: 7/6/84

ESTABLISHMENT NO. HO 2097

DATE: 6/6/84

AME: BEN (First) OKUNIEWICZ (Last) OPERATION MANAGER (Owner, Permittee, Agent, Tenant)

DDRESS: 9484 Mission Park Pl CITY: Santee ZIP 92071

ou are hereby notified that an inspection of your Manufacturing Plant

located at 9484 Mission Park Pl (Address) Santee (City) was made on 6/6/84 (Date)

by Joel Digman, Specialist, of the County of San Diego Department of
ealth Services. The following described condition(s) is/are in violation of: Calif
H & S. Code + Calif Admin Code Title 22 and shall be corrected within 30 days:

☒ Your establishment uses and/or handles hazardous materials in quantities greater than 55 gallons or 500 pounds per month, therefore, your establishment is subject to the provisions of the Hazardous Material Disclosure for which a permit is required. Please submit the application with appropriate fee.

☐ Review of our data indicates your establishment uses or handles chemicals or substances that are designated as a cancer-causing substance (carcinogen) or substance which may cause birth defects, miscarriages, or damage to the human reproductive system (reproductive toxin). You may verify the above by reviewing the Material Safety Data Sheet. Your establishment is subject to the provisions of the Hazardous Material Disclosure for which a permit is required. Please submit the application with appropriate fees.

☒ Your establishment uses and/or handles materials in quantities greater than 55 gallons or 500 pounds, therefore, your establishment may be subject to the provisions of the Hazardous Materials Disclosure Ordinance. If a review of the Material Safety Data Sheet demonstrates that the material is not hazardous, please submit a copy of the Material Safety Data Sheet within 30 days to the Department of Health Services. If the material is a hazardous material, please submit the application with appropriate fee.

ATERIALS OBSERVED: MEK, LPS, Super Agitene, Cerus C Oil
Machining Oil, Klor-O-Sol. CONTAINER TYPE 55 gal Drums
UMBER OR QUANTITY: 20+ PRODUCT NAME: MEK-LPS-Mixing MFGR.: Shell Oil
Chevron Oil
Chevron Chemical

Received By: _____ Digman
(Hazardous Material Specialist)

DHS:EHP-942 (8/83)

COUNTY OF SAN DIEGO

DEPARTMENT OF HEALTH SERVICES
1700 Pacific Highway, San Diego, CA 92101
JAMES A. FORDE, Director

SMOKING ENDANGERS EVERYONE'S HEALTH

HAZARDOUS WASTE GENERATORS
INSPECTION REPORT

ESTABLISHMENT NO. H0209?

DATE 6/6/84

ESTABLISHMENT ADDRESS 9484 Mission Park Pl. ZIP 92071

ESTABLISHMENT NAME SAMTEC Division of AMETEK CITY SANTEE

MAILING ADDRESS Same

PHONE NUMBER 449-0702

FACILITY REPRESENTATIVE(S) G. NOLAND (Name) E.M. (Title)
BEN ORUNIEWICZ Operation Manager

SUMMARY OF FINDINGS:

WASTE GENERATION WASTE OIL Vehicle Fork Lifts Tanks etc
MEK PARTS WASH & 55 gal Drum generated from washing Parts.
Cutting Oil from Machinery — Wipe down parts in Centrifuge Unit
WASTE Solvents — Washing of Parts and Machinery
ALL METAL WASTE Alum. STEEL ETC Recycled

WASTE STORAGE WASTE OIL 55 GAL DRUM
MEK STORED IN 55 GAL DRUM & DRUM COUNTED
55 gal Drum of DEFLOCCULATOR #2
*MANY UNKNOWN WASTE STORAGE IN 55 GAL DRUMS.

UNDERGROUND STORAGE TANKS ☐

RECORDS & MANIFESTING ADVISED TO OBTAIN EPA NUMBER AND to begin MANIFESTING for WASTE products and commingling of waste.

DISPOSAL AZTEC Oil Co presently pick-up waste oils AND MEK

☒ Disclosure form left at business.

Official Notice issued ☒

RECEIVED BY: X

Ninyo & Moore

Geotechnical and Environmental Sciences Consultants
10225 Barnes Canyon Road, Suite A-112
San Diego, California 92121
(619) 457-0400 Fax: (619) 558-1236

FAX TRANSMITTAL

TO: CITY OF SANTEE FIRE DEPT.
ATTN: MR. PHIL DAVIS
FAX: 562-6514
NO. OF PAGES: 2
(Including transmittal page)

DATE: 5/20/97
PROJECT NAME: 9484 MISSION PARK PLACE, SANTEE
PROJECT NO.: 103386-01
TIME:

Date	Description
5/20/97	REQUEST FOR FILE REVIEW
	PROPERTY LOCATED AT
	9484 MISSION PARK PLACE
	SANTEE, CALIFORNIA

- [x] For your files
- [x] For your use
- [ ] As requested
- [ ] For your review and approval
- [ ] For your review and comment
- [x] Other RESPONSE

REMARKS: HARD COPY MAILED 5/20/97

BY Peter David Clark
Peter D. Clark

Ninyo & Moore

May 20, 1997
Project No. 103386-01

Mr. Phil Davis
City of Santee Fire Department
10601 Magnolia Avenue
Santee, California 92071

Subject: Request for File Review for Property Located at 9484 Mission Park Place, Santee, California 92071

Dear Mr. Davis:

Ninyo & Moore is currently conducting a Phase I Environmental Site Assessment of the property referenced above. As part of the scope services for this project, Ninyo & Moore is requesting to review all available information regarding the use and storage and disposal of hazardous materials including aboveground and underground storage tanks. The County of San Diego Department of Environmental Health (DEH) currently permits the use, storage, and disposal of hazardous materials including the operation of aboveground and underground storage tanks. The DEH began their hazardous materials permitting and inspection program in approximately 1984. Ninyo & Moore is particularly interested in any historical information (prior to 1984) regarding the use, storage and disposal of hazardous materials. Should you require clarification of this request for file reveiw, please contact the undersigned in our San Diego office.

Sincerely,
NINYO & MOORE

Peter D. Clark, REA 2984
Senior Staff Environmental Geologist

PDC/

Distribution: (1) Addressee

1325 Barnes Canyon Road · Suite A-113 · San Diego, California 92121 · Phone (619) 457-0400 · Fax (619) 558-1236
9272 Jeronimo Road · Suite 123A · Irvine, California 92718 · Phone (714) 472-5444 · Fax (714) 472-5445
700 South Flower Street · Suite 1100 · Los Angeles, California 90017 · Phone (213) 488-5111 · Fax (213) 892-2206
155 West Hospitality Lane · Suite 165 · San Bernardino, California 92408 · Phone (909) 383-9777 · Fax (909) 383-9774

NSMISSION VERIFICATION REPORT

TIME : 05/20/1997 03:49
NAME : NINYO & MOORE
FAX : 6195870597
TEL : 6194570400

DATE,TIME	05/20 03:48
FAX NO./NAME	5626514
DURATION	00:00:49
PAGE(S)	02
RESULT	OK
MODE	STANDARD ECM

Ninyo & Moore

Geotechnical and Environmental Sciences Consultants
10225 Barnes Canyon Road, Suite A-112
San Diego, California 92121
(619) 457-0400 Fax: (619) 558-1236

FAX TRANSMITTAL

TO: SAN DIEGO APCD
ATTN: PAT HARKLEY
FAX: 694-2730
NO. OF PAGES: 1
(including transmittal page)

DATE: 5/6/97
PROJECT NAME: 9484 MISSION PARK PLACE
SAN DIEGO, CA.
PROJECT NO.: 103386-01
TIME:

Date	Description
5/6/97	REQUEST FOR FILE REVIEW FOR THE
	PROPERTY LOCATED AT
	9484 MISSION PARK PLACE
	SANTEE, CALIFORNIA 92071

- [x] For your files
- [x] For your use
- [ ] As requested
- [ ] For your review and approval
- [ ] For your review and comment
- [ ] Other

REMARKS:

BY Peter David Clark
Peter D. Clark

San Diego Air Pollution Control District

9150 Chesapeake Drive
San Diego, CA 92123-1095
PHONE (619) 694-3307
FAX (619) 694-2730

SEND TO: PETER CLARK

NINYO & MOORE

FAX #: 558-1236

TOTAL PAGES *(including this cover sheet):* 1

Please let me know by phone at (619) 694-3227 *if there is a problem regarding receipt of this FAX message.*

Sender's Information

FROM: PATTI **TIME:** **DATE:** 5-28-97

COMMENTS: AFTER EXTENSIVE SEARCHING I STILL HAVE NOT BEEN ABLE TO LOCATE THE FILES YOU REQUESTED FOR 9484 MISSION PARK PL (KETEMA PROCESS EQUIP.) THERE IS ONE (1) ACTIVE FILE AND TWO (2) RETIRED. I APOLOGIZE FOR THIS INCONVENIENCE.

9503A

08-May-1997 ID TRACKING REPORT 1

Id: 05895A KETEMA / PROCESS EQUIPMENT DIV
Sector: 04
Id Status: ACTIVE Location:
TitleV Site: 9484 MISSION PARK PL
SANTEE CA 92071
COMPLIANCE INFO (Press Select to View Compliance Related Info): Tel:(619)449-0202 Contact:SAFETY MGR

Mailing:
9484 MISSION PARK PL
SANTEE CA 92071

SIC: 0 Ownership: CORPORATION
Owner:

Renewal Month: JULY First Year: 83 Ten TPY:

Insp Month: FEBRUARY Emis Fees: $30.00 Insp Date:

****

APPLICATIONS:

AP 880496 OWNERSHIP CHANGE APPROVED

AP 910084 NEW APPROVED
HAND WIPE CLEAN W/SPRAY APPLICATOR

AP 910247 TO NOT OPERATE APPROVED
TO NOT OPERATE

AP 920048 NEW APPROVED
EVAPORATOR

****

PERMITS:

PO 30083 STATUS: RETIRED
METAL PARTS/PRODUCTS COATING: BEATTIE METAL PRODUCTS MODEL AA12

PO 910084 STATUS: RETIRED
ONE (1) TWO GALLON APPLICATOR USING KNIGHT ENGINE DEGREASER, AND HAND-WIPE

PO 920048 STATUS: ACTIVE
WATER EVAPORATOR, EQUIPMENT MFG. CORP., MODEL 85E,S/N 2403892, 85-GALLON

5-30 Report

TRANSMISSION VERIFICATION REPORT

TIME : 05/06/1997 00:37
NAME : NINYO & MOORE
FAX : 6195870597
TEL : 6194570400

DATE,TIME	05/06 00:36
FAX NO./NAME	6942730
DURATION	00:00:25
PAGE(S)	01
RESULT	OK
MODE	STANDARD ECM

APPENDIX F

Ninyo & Moore

Ninyo & Moore

Geotechnical and Environmental Sciences Consultants
10225 Barnes Canyon Road, Suite A-112
San Diego, California 92121
(619) 457-0400 Fax: (619) 558-1236

FAX TRANSMITTAL

TO: SAN DIEGO RWQCB
ATTN: FILE CLERK
FAX: 571-6972
NO. OF PAGES: 2
(Including transmittal page)

DATE: 5/28/97
PROJECT NAME: 9484 MISSION PARK PLACE, SANTEE, CA.
PROJECT NO.: 103386-01
TIME:

Date	Description
5/28/97	REQUEST FOR FILE REVIEW
	KETEMA PROCESS EQUIPMENT
	9484 MISSION PARK PLACE
	SANTEE, CALIFORNIA

☒ For your files
☐ For your use
☐ As requested
☐ For your review and approval
☐ For your review and comment
☐ Other

REMARKS: FILE IS MISSING AT THE COUNTY OF SAN DIEGO DEPARTMENT OF ENVIRONMENTAL HEALTH

LISTED AS NON TANK / PERMITTED SITE

LEAK BEING CONFIRMED

BY Peter David Clark

Peter D. Clark

OF CALIFORNIA - CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, Governor

FORNIA REGIONAL WATER QUALITY CONTROL BOARD
DIEGO REGION
AIRMONT MESA BOULEVARD, SUITE A
EGO, CA 92124-1331
ONE: (619) 467-2952
9) 571-6972

FILE REVIEW REQUEST AND APPROVAL FORM
and
STATEMENT OF RESPONSIBILITY FOR THE USE OF STATE RECORDS

To request records/files for review, please complete Sections I and II and submit to Regional Board staff for processing. On the back page, staff completes Section III at the start and upon completion of review of the specific records/files requested. Also on the back page is Section IV, a Service Survey for you to complete. Although it is optional, the information you provide will be used by staff to improve the quality of service in providing requested information to the public.

We appreciate everyone's cooperation in maintaining the integrity of our records and files.

I. File Review Request Form

Requestor's Name PETER DAVID CLARK Date 5/28/97

Address 10225 BARNES CANYON ROAD SUITE A-112 City SAN DIEGO State CA.

Affiliation NINYO & MOORE Phone (619) 457-0400

RB Staff Contact _____ Date & Time of Request _____

Type of Record: Document(s) X File(s) X Audio Tape(s) ___ Other___

Record No. 1: Title 9484 MISSION PARK PLACE, SANTEE File No. _____

Record No. 2 Title _____ File No. _____

Record No. 3 Title _____ File No. _____

Record No. 4 Title _____ File No. _____

Reason(s) for Review of Record(s) (Optional) _____

II. Statement of Responsibility for Use of State Records (Requestor reads and signs)

I understand and agree to the procedures and rules listed in the Notice dated August 15, 1996, "Revised Procedures for Review of Regional Board Files". I further understand that any infractions of the rules may result in restrictions on access to state records.

Signature Peter David Clark Date 5/28/97

Form 10/96

NSMISSION VERIFICATION REPORT

TIME : 05/27/1997 20:04
NAME : NINYO & MOORE
FAX : 6195870597
TEL : 6194570400

DATE,TIME	05/27 20:03
FAX NO./NAME	5716972
DURATION	00:01:07
PAGE(S)	02
RESULT	OK
MODE	STANDARD

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 338-2222

FOR HMMD USE:
Date Received _____
Submittal Fee Paid _____
Establishment # H06670
Total Staff Time _____
Balance Due $_____

REQUEST FOR REVIEW OF SITE ASSESSMENT REPORT. APPLICANT MUST COMPLETE BOTH SIDES OF THIS FORM.

A. Site Address S. of RIVERSIDE RD. SANTEE
Street City Zip Code

B. Assessors Parcel Number: APN # 379-192-15

C. Property Owner:

Company WOODWARD SAND Co Contact Name _____

Mailing Address P.O. BOX 713070

City Santee State CA Zip Code _____

Telephone (619) ~~448-4422~~ ~~295-2160~~

D. Name of business located at site (if applicable) _____

E. Report Prepared by: CONSULTANT/CONTRACTOR

Company Name ~~E&C DRILLING~~ Geologist

Address 6150 Lusk Blvd. Ste B-200

Contact Person Stephen Beck

Telephone (619) 457-0400

F. Report Submitted by:

Person Name _____

Company Name _____

Address _____

Contact Person Name _____

Telephone ( ) _____

All correspondence from the Hazardous Materials Management Division (HMMD) will be sent to the person submitting the report unless otherwise specified below:

RP - WOODWARD SAND CO

PLEASE NOTE:

- An initial fee of $140 is required at time of report submittal, which allows up to two hours HMMD staff time. Payment for any staff time in excess of two hours must be paid prior to release of the HMMD comment letter. The current billing rate is $70/hour.
- A copy of all correspondence from the HMMD regarding this site will be sent to the legal property owner.
- Allow a minimum of 30 days for HMMD to complete review of the site assessment report.

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

RICHARD HAAS
ASSISTANT DIRECTOR

February 13, 2001

Mr. John H. Robertus, Executive Officer
California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Blvd.
San Diego CA 92124-1331

Dear Mr. Robertus:

RWQCB REFERAL- CASE NUMBER H06670-001
9891 RIVERFORD ROAD, LAKESIDE, CA

Evidence of a hazardous substance release has been reported to the County of San Diego, Department of Environmental Health (DEH), Site Assessment and Mitigation Program (SAM). I am referring this case to you for follow up. The property owner is Woodward Sand Company, P.O. Box 713070, Santee, CA. DEH requests the Regional Water Quality Control Board take whatever action is deemed appropriate for the site.

The suspected sources and the amount released were unknown. The release was detected by monitoring well installation at the site.

If you have questions or comments, please call Nasser Sionit in our office at 619-338-2239.

Sincerely,

GEORGE McCANDLESS
Supervising Environmental Health Specialist
Site Assessment and Mitigation Program

Enclosures

cc: Woodward Sand Company

WP/H06670-001

County of San Diego

JACK MILLER
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
619-338-2222/FAX 619-338-2315/1-800-253-9933
www.sdcdeh.org

ELIZABETH POZZEBON
ASSISTANT DIRECTOR

To: DEH/SAM
RE: H06670-001 Woodward Sand Company, 9891 Riverford Road, Lakeside, CA - Administrative Case Closure/No Further Action
DATE: September 12, 2012
Caseworker: Ellen Beacon, EHS II

This case was opened in October 1990 and transferred to the RWQCB on February 13, 2001. With this transfer the case is administratively closed.

Date: **December 11, 1990**

TO: **Larry Bodenhamer**

FROM: **Kevin Heaton** KH

RE: Name: **Woodward Sand Company, #H06670** APN: **379-192-15**

Address: **Riverside Rd** City: **Santee**

The attached permit and the following table of lab data summarizes the results from recent drilling, by Ninyo & Moore, at the above referenced site.

Location	8015 mg/kg	418.1 mg/kg	Benzene ug/kg	Toluene ug/kg	Ethyl-benzene ug/kg	Xylene ug/kg
B-1 @10'	<10	1,910				
B-1 @20	28.7	2,030				
B-1 @25'	<10	<10				
B-2 @12'	111	3,820	<1.0	12.7	1.2	7.6
B-2 @32'	101	3,710				
B-3 @10'	15.6	4,060				
B-4 @5'	<10	44.3				
B-8 @2'	<10	44.3				

I do not find any record of this site being a case as of this date. The contamination appears to be:

_____ Tank related

_____ Establishment related or

___X___ Unknown.

APN 379 - 192 - 15
Control # H06670
Approved 10-12-90, W91748

SUPPLEMENTAL PERMIT APPLICATION FOR GROUND WATER AND VADOSE MONITORING WELLS

(W91801)

Site Address: Woodward Sand Company, South of Riverside Drive, Santee, California

Property Owner:
Name Woodward Sand Company Phone - (619) 448-4422
Mailing Address P.O. Box 713070, Santee, California

Driller:
Name F & C Drilling License # 520586 Phone - (619) 279-7005
Mailing Address 7716 Clairemont Mesa Blvd., San Diego, CA 92111

Registered Geologist/Engineering Geologist/Civil Engineer (RG/CEG/RCE):
Name Stephan A. Beck Reg. # 1512 Phone - (619) 457-0400
Mailing Address 6150 Lusk Boulevard, Suite B-200, San Diego, California 92121

Number of Borings to be Constructed: 2 | $280 fee paid on 11-9-90

Bond Posted By: Driller | Date of Drilling: 10/17&18/90

Type of Well:
- ____ Ground Water
- ____ Vadose
- X Other - Boring

Drilling Method:
- X Auger
- ____ Mud Rotary
- ____ Air Rotary
- ____ Percussion
- ____ Other ____

Materials To Be Used:
Casing
- Type ____
- Gauge ____
- Diameter ____
- Well Screen Size ____

Seal
- ____ Neat Cement
- X Cement & Bentonite
- ____ Other ____

Gravel Pack
- Specify ____

Proposed Construction:

Cement Seal	2.0'	to	Surface
Bentonite Seal	T.D.	to	2.0'
Gravel Pack		to	
Perforation		to	

Note: For wells with multiple completion attach a well construction diagram.

I hereby agree to comply with all regulations of of Department of Health Services and with all ordinances and laws of the County of San Diego and the State of California pertaining to well construction and destruction.

Gerald P. Ferguson/CR
Driller Signature Date

Disposition of Application
✓ Approved ____ Denied

Conditions Modification of permit W91747. Same conditions applied.

Tim M. Hall 11/17/90
Health Officer Date

Within 30 days of well completion, I will furnish the Department of Health Services and the State of California with a complete and accurate well log. I will certify the design and construction of the well in accordance with the permit application.

Stephan RBL 13NOV90
RG/CEG/RCE Signature Date

A.P.N. 379-192-15
Control # H06670
W91748

PERMIT APPLICATION FOR GROUND WATER AND VADOSE MONITORING WELLS

Site Address: Woodward Sand Co., South of Riverside Dr., Santee, CA

Property Owner:
Name Woodward Sand Company Phone - (619) 448-4422
Mailing Address P.O. Box 7[illegible]70

Driller:
Name F & C DRILLING License # 520586 Phone - (619) 279-7005
Mailing Address 7716 CLAIREMONT MESA BLVD. SAN DIEGO, CA 92111

Registered Geologist/Engineering Geologist/Civil Engineer (RG/CEG/RCE):
Name Stephan Beck Reg. # 1512 Phone - (619) 457-0400
Mailing Address 6150 Lusk Blvd., Ste. B-200, San Diego, CA 92121

Number of ~~Wells~~ Borings To Be Constructed: 1

$140 fee paid on 10/10/90

Bond Posted By: Driller

Proposed Date of Drilling: 10/15/90

Type of Well:
- ____ Ground Water
- ____ Vadose
- X Other

Drilling Method:
- X Auger
- ____ Mud Rotary
- ____ Air Rotary
- ____ Percussion
- ____ Other

10-10-90
14:20 CSHR01 10827
9145 915 429K25 $140.00
CHECK $140.00

Materials To Be Used:
Casing
- Type
- Gauge
- Diameter
- Well Screen Size

Seal
- ____ Neat Cement
- X Cement & Bentonite
- ____ Other

Gravel Pack
- Specify

Proposed Construction:

Cement Seal	2.0'	to	Surface
Bentonite Seal	T.D.	to	2.0'
Gravel Pack		to	
Perforation		to	

Note: For wells with multiple completion attach a well construction diagram.

I hereby agree to comply with all regulations of of Department of Health Services and with all ordinances and laws of the County of San Diego and the State of California pertaining to well construction and destruction.

Driller Signature 10-16-90 Date

Disposition of Application
- X Approved
- ____ Denied

Conditions: All borings must be destroyed in accordance with DWR Bulletin 74-81 and 74-90. All wash water must be contained and disposed of properly. Submit lab data with logs.

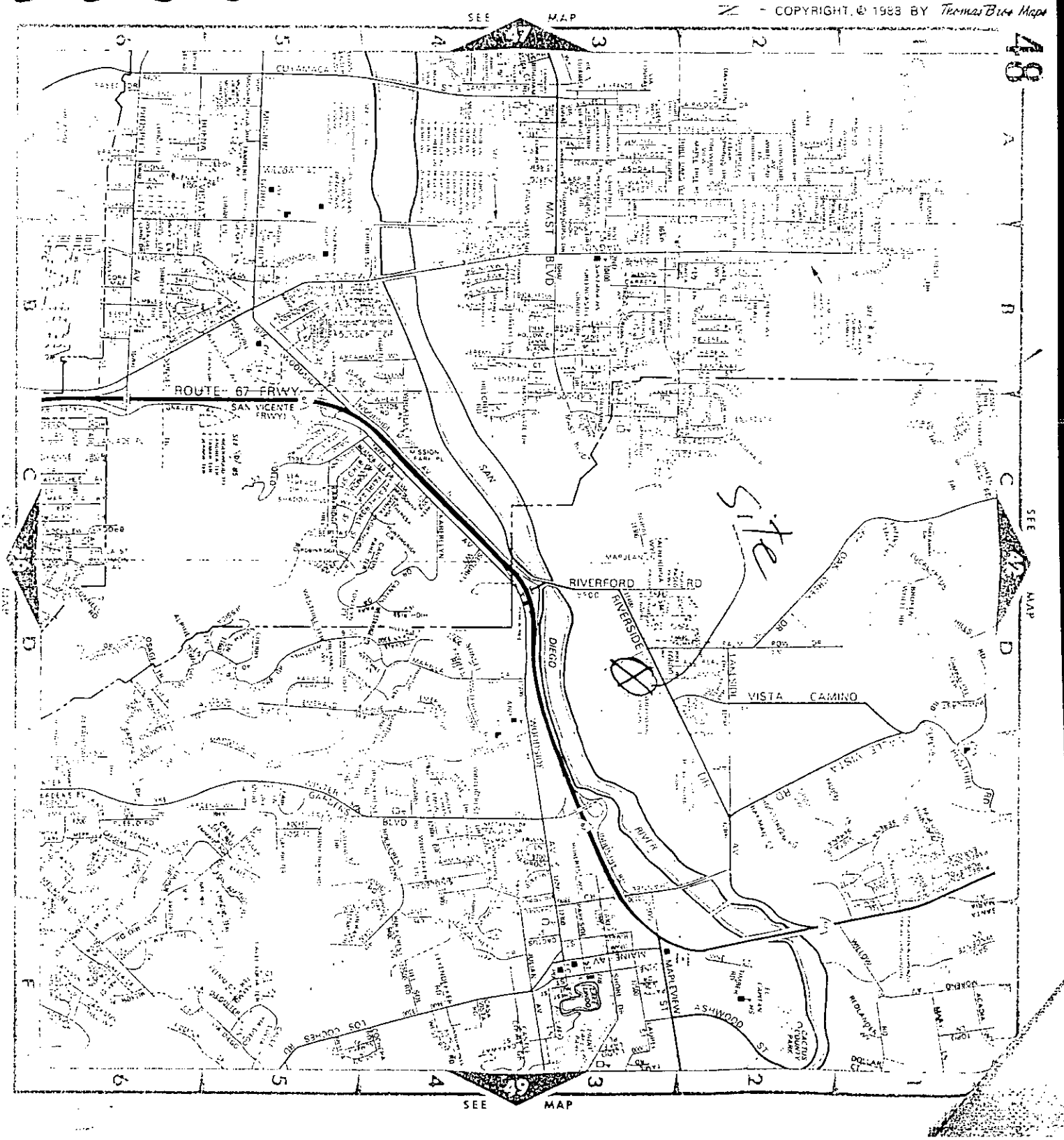
Kiem M. Hall 10/12/90
Health Officer Date

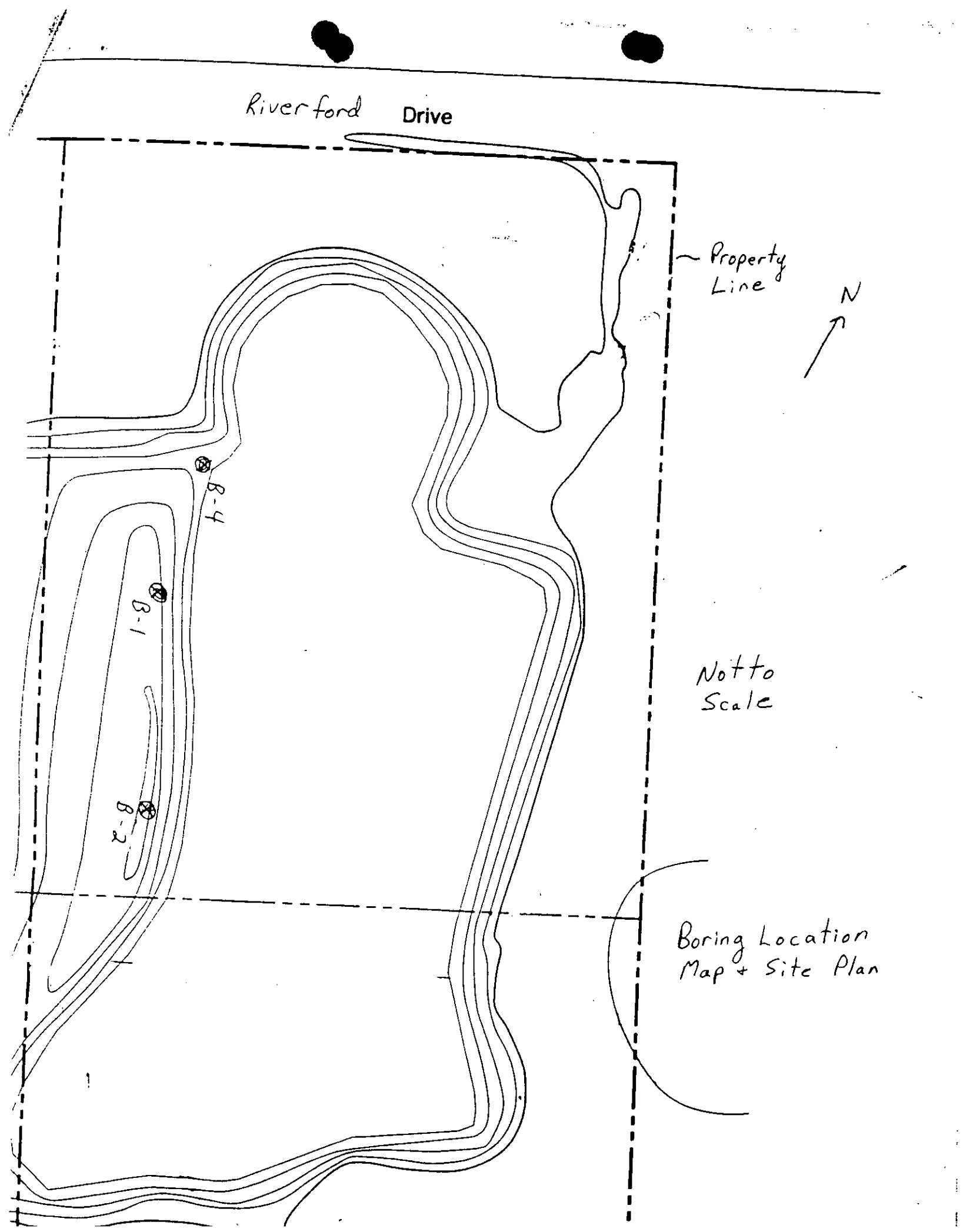
Within 30 days of well completion, I will furnish the Department of Health Services and the State of California with a complete and accurate well log. I will certify the design and construction of the well in accordance with the permit application.

Stephan Beck 10/10/90
RG/CEG/RCE Signature Date

DHS:HM-9060 (12/85)

County of San Diego
Department of Health Services


SEE MAP
COPYRIGHT © 1983 BY Thomas Bros Maps
ROUTE 67 FRWY
SAN VICENTE FRWY
MAST BLVD
RIVERFORD RD
VISTA CAMINO
GARFIELD BLVD
MAINE AV
MARLEVIEW ST
ASHWOOD ST
LOS COCHES RD
site
SEE MAP


Riverford Drive
Property Line
N
B-4
B-1
B-2
Not to Scale
Boring Location Map + Site Plan

Jerry

APN 37919215

OWNER: CASTER GROUP
Mail C/O Terrance R Caster
4607 Mission Gorge PL
San Diego 92120

LARRY

D.B.

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
[redacted]

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

SITE ASSESSMENT AND MITIGATION
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

April 6, 1993

Caster Group
c/o Terrance R. Caster
4607 Mission Gorge Place
San Diego, CA 92120

Dear Mr. Caster:

RE: FORMER WOODWARD SAND COMPANY PROPERTY, 11611 RIVERSIDE DRIVE LAKESIDE, CA 92040 H06670-001

Staff from the San Diego County Department of Health Services, Environmental Health Services, Site Assessment/Mitigation (EHS-SA/M) section reviewed analytical chemical data submitted to this department as a result of drilling three soil borings on the above referenced property. This chemical data indicates the presence of Total Petroleum Hydrocarbons (TPH), Total Recoverable Petroleum Hydrocarbons (TRPH), Toluene, Ethylbenzene and Xylene. For example, one data set indicates Boring B-2 at 32 feet below ground surface had a TRPH detected value of 3710 mg/kg (ppm), and a TPH detected value of 101 mg/kg at the same depth. The detected TPH concentrations from the soil boring samples suggests the possibility of the presence of gasoline and/or diesel while the detected TRPH concentrations is suggestive of waste oil or similiar type chemical compounds present in the soil on this property.

A subsequent field investigation to this property, using a plot plan submitted with the analytical data, shows three soil borings located on a bench of land immediately adjacent to a pond approximately fifteen acres in size. This pond is one of three located within the immediate vicinity, and is within the San Diego River basin flood plain. This site, located on a Regional Water Quality Control Board (RWQCB) map, indicates that this property is located in a beneficial groundwater use area. This site investigation showed an abandoned drilled well casing projecting from the water surface in a second pond located approximately 200 hundred yards westerly from the soil borings. This well casing is suggestive of previous groundwater use, and does not preclude its future utilization.

In addition, this field investigation revealed several potential sources of contamination located immediately adjacent to the subject pond and the soil borings. These sources are:

a - Storm water run-off which enters the pond at its northeast corner from a storm culvert. This storm water drainage originates from a large developed residential area.

b - Trash and debris were observed in the sides of the embankment from the edge of the current water level of the pond to the top of the bank in many areas around its perimeter. The types of trash and debris observed in the pond sidewalls and on the upper land surface surrounding the pond, included numerous pieces of broken concrete with protruding re-bar, piles of broken asphalt, pieces of plastic, large tires, tile and scattered metal/steel,

c - Heavy equipment storage and maintenance yard in which vehicles are serviced on the land surface.

Within ninety (90) days from receipt of this letter, EHS-SA/M requests you to conduct a complete site assessment of your property to determine the full extent of contamination. This site assessment must address all applicable items relating to your property as defined in the SITE ASSESSMENT REPORT CHECK LIST (attached) found in the SITE ASSESSMENT/MITIGATION MANUAL. Specifically, the complete horizontal and vertical extent of soil contamination must be delineated for your property. In addition, potential groundwater contamination impact must also be assessed and delineated as this geographic area, as stated previously, lies within a designated beneficial groundwater use area.

Your attention is directed to the requirement contained within the referenced check list that states: "All work and reports which require geologic or engineering evaluations and/or judgements must be performed under the direction of an appropriately registered or certified professional (Sections 6735, 7835 and 7835.1 of the Business and Professions Code)". All reports containing such information shall be signed by a registered professional (e.g., Registered Geologist, Registered Civil Engineer or Certified Engineering Geologist).

The County Board of Supervisors has instituted a policy of cost recovery for staff time expended on review of reports relating to sites where hazardous wastes have been detected. EHS-SA/M will therefore require a minimum fee of $160 with the submission of the requested site assessment report. An hourly charge of $80 will be assessed for each hour of staff review time expended beyond two hours covered by the initial fee. The check should be made payable to the County of San Diego Department of Health Services.

Your prompt attention to the requests stated within this letter is solicited. Please feel free to contact the writer at (619) 338-2219 should you have any questions regarding this letter.

Sincerely,

BERQUIST

DAVE BERQUIST, Hazardous Materials Specialist
Site Assessment and Mitigation

DB:cl

Attachments

cc: J. McWalters, RWQCB
L. Bodenhamer, SAM

RECORD OF MEETING/TELEPHONE CONVERSATION

CHECK APPROPRIATE BOX:

- [x] SITE INVESTIGATION
- [ ] MINUTES OF MEETING
- [ ] TELEPHONE CONVERSATION

DATE 3 FEBRUARY 1993 TIME 3 45 P.M. LOCATION 11611 RIVERSIDE DR., LAKESIDE, CA

ATTENDEES/AGENCIES REPRESENTED* H 06670-001

PHONE NO. ( ) _____

- [ ] PERSON CALLING/CALLED FORMER WOODWARD SAND COMPANY
- [ ] AGENCY REPRESENTED 11611 RIVERSIDE DR.,

CONVERSATION/MINUTES** LAKESIDE, CA 92040

1- A SITE INVESTIGATION WAS CONDUCTED AT THE FORMER WOODWARD SAND COMPANY, 11611 RIVERSIDE DR., LAKESIDE, CA. ON 3 FEBRUARY 1993 BY BERQUIST, EHS-SA/M STAFF TO EVALUATE CURRENT STATUS OF PROPERTY. INTERNAL CORRESPONDENCE REGARDING THIS PROPERTY INDICATES THE PRESENCE OF TOTAL PETROLEUM HYDROCARBON, TOTAL RECOVERABLE PETROLEUM HYDROCARBONS, TOWENE, ETHYL BENZENE AND XYLENE IN SOIL BORING SAMPLES COLLECTED FOR LABORATORY ANALYSIS.

2- THIS SUBJECT PROPERTY IS CURRENTLY OWNED BY: CASTER GROUP C/O TERRANCE R. CASTER, 4607 MISSION GORGE PLACE, SAN DIEGO, CA 92120. THIS INFORMATION OBTAINED THROUGH TAX ASSESSOR PARCEL NUMBER: 329-192-15.

3- THIS PROPERTY IS CURRENTLY BEING LEASED FROM THE CASTER GROUP BY B AND B HEAVY EQUIPMENT SALES, RENTALS, INC.. ADDRESS STATED ABOVE IS SITE OF B AND B HEAVY EQUIPMENT.

4- THE SITE INVESTIGATION ON 3 FEBRUARY 1993 SHOWED THE FOLLOWING TO EXIST:

NAME _____ SIGNED _____

AGENCY - COUNTY OF SAN DIEGO DEPARTMENT OF HEALTH SERVICES; ENVIRONMENTAL HEALTH SERVICES; HAZARDOUS MATERIALS MANAGEMENT DIVISION

* A sign-in sheet (HM-9048) should be passed around at the beginning of the meeting, allowing all representatives to sign their name, list the agency they are representing, and telephone number.

** Brief summary of subject, agreements, directions, and/or instructions and anything else pertinent. Use extra sheets as necessary.

DHS:HM-9047 (1/90)

RECORD OF MEETING/TELEPHONE CONVERSATION

-2-

CHECK APPROPRIATE BOX:

- [X] SITE INVESTIGATION
- [ ] MINUTES OF MEETING
- [ ] TELEPHONE CONVERSATION

DATE 3 FEBRUARY 1993 TIME 3 45 PM LOCATION 11611 RIVERSIDE DR., LAKESIDE, CA

ATTENDEES/AGENCIES REPRESENTED* _____

PHONE NO. ( ) _____

- [ ] PERSON CALLING/CALLED FORMER WOODWARD SAND COMPANY
- [ ] AGENCY REPRESENTED _____

CONVERSATION/MINUTES** _____

a- AN APPROXIMATE 15 ACRE POND WITH WATER LEVEL OF 15-20 FEET BELOW SURROUNDING LAND SURFACE IS LOCATED IMMEDIATELY EAST OF THE B AND B HEAVY EQUIPMENT OFFICE BUILDING. STEPHEN BECK, NINYO AND MOORE CONSULTANTS, STATED THIS POND WAS CREATED BY SAND MINING OPERATIONS. THIS SITE IS LOCATED WITHIN, AND ADJACENT TO, SAN DIEGO RIVER BASIN FLOW PLAIN.

b- THE SITE OF SOIL BORINGS, DRILLED IN OCTOBER AND NOVEMBER 1990, ARE SHOWN BY THE PLOT PLAN TO BE LOCATED ON A BENCH ON WESTERN SIDE OF POND AT DEPTH OF APPROXIMATELY 15 FEET BELOW SURROUNDING GROUND SURFACE. THIS BORING SITE LOCATION IS IMMEDIATELY EASTERLY FROM THE B AND B HEAVY EQUIPMENT OFFICE BUILDING. THIS BUILDING AND SOIL BORING LOCATION IS APPROXIMATELY 150 FEET SOUTH OF RIVERSIDE DRIVE. BORING SITE WOULD ALSO BE AT NORTHWEST CORNER OF POND.

c- THERE ARE TWO ADDITIONAL PONDS CONTAINING WATER: ONE LOCATED TO THE IMMEDIATE SOUTH OF THE SUBJECT POND DESCRIBED ABOVE. THIS POND IS IN THE SAN DIEGO RIVER FLOW PLAIN.

NAME _____ SIGNED _____

- AGENCY - COUNTY OF SAN DIEGO DEPARTMENT OF HEALTH SERVICES; ENVIRONMENTAL HEALTH SERVICES; HAZARDOUS MATERIALS MANAGEMENT DIVISION

* A sign-in sheet (HM-9048) should be passed around at the beginning of the meeting, allowing all representatives to sign their name, list the agency they are representing, and telephone number.

** Brief summary of subject, agreements, directions, and/or instructions and anything else pertinent. Use extra sheets as necessary.

DHS:HM-9047 (1/90)

RECORD OF MEETING/TELEPHONE CONVERSATION

CHECK APPROPRIATE BOX: -3-

- [x] SITE INVESTIGATION
- [ ] MINUTES OF MEETING
- [ ] TELEPHONE CONVERSATION

DATE 3 FEBRUARY 1993 TIME 3:45 PM LOCATION 1161 RIVERSIDE DR., LAKESIDE, CA

ATTENDEES/AGENCIES REPRESENTED* _____

PHONE NO. ( ) _____

- [ ] PERSON CALLING/CALLED FORMER WOODWARD SAND COMPANY
- [ ] AGENCY REPRESENTED _____

CONVERSATION/MINUTES** _____

THESE TWO PONDS ARE INTERCONNECTED BY A DRAINAGE PIPE VISIBLE AT THE TOE OF A SEPARATING TWENTY FOOT HIGH BERM.

THE SECOND POND IS LOCATED IMMEDIATELY WEST OF THE BAND B HEAVY EQUIPMENT STORAGE YARD. THIS POND HAS A VISIBLE STEEL DRILLED WELL CASING PROJECTING APPROXIMATELY 10-15 FEET ABOVE EXISTING WATER SURFACE. THIS WELL DOES NOT HAVE A VISIBLE PUMP OR ASSOCIATED PIPING. THE AGE OF THIS WELL IS UNKNOWN, AND CONSEQUENTLY AMOUNT OF CASING AND SEAL BELOW GROUND SURFACE CAN'T BE DETERMINED AT THIS TIME.

4- THE SUBJECT POND, CONTAINING THE SITE OF THE SOIL BORINGS, IS CURRENTLY SUBJECT TO VARIOUS SOURCES OF CONTINUING CONTAMINATION. THESE SOURCES INCLUDE:

1) STORM WATER RUN-OFF OBSERVED ENTERING THE POND AT THE NORTHEAST CORNER AT TIME OF SITE VISIT. IT APPEARS SURFACE WATER STORM RUN-OFF DRAINS A LARGE AREA OF DEVELOPED LAND DIRECTLY NORTH OF POND

NAME _____ SIGNED _____

AGENCY - COUNTY OF SAN DIEGO DEPARTMENT OF HEALTH SERVICES; ENVIRONMENTAL HEALTH SERVICES; HAZARDOUS MATERIALS MANAGEMENT DIVISION

* A sign-in sheet (HM-9048) should be passed around at the beginning of the meeting, allowing all representatives to sign their name, list the agency they are representing, and telephone number.

** Brief summary of subject, agreements, directions, and/or instructions and anything else pertinent. Use extra sheets as necessary.

DHS:HM-9047 (1/90)

RECORD OF MEETING/TELEPHONE CONVERSATION

CHECK APPROPRIATE BOX: -4-

- [x] SITE INVESTIGATION
- [ ] MINUTES OF MEETING
- [ ] TELEPHONE CONVERSATION

DATE 3 FEBRUARY 1993 TIME 345 PM LOCATION 11611 RIVERSIDE DR., LAKESIDE, CA

ATTENDEES/AGENCIES REPRESENTED* _____

PHONE NO. ( ) _____

- [ ] PERSON CALLING/CALLED FORMER WOODWARD SAND COMPANY
- [ ] AGENCY REPRESENTED _____

CONVERSATION/MINUTES** _____

2) B AND B HEAVY EQUIPMENT STORAGE YARD LOCATED ON WESTERN SIDE OF POND. THE STORAGE YARD ACTUALLY IS AN ELEVATED PLATEAU BETWEEN THREE PONDS. THIS HEAVY EQUIPMENT STORAGE AND MAINTENANCE YARD FACILITY CONTAINS ABOVE GROUND, ELEVATED DIESEL AND GASOLINE STORAGE TANKS LOCATED WITHIN A CONCRETE CATCHMENT BASIN. THE SERVICING OF EQUIPMENT, HOWEVER, COULD ALLOW FUELS TO PENETRATE GROUND. IT IS BELIEVED THIS MAINTENANCE AND STORAGE YARD FACILITY WAS ALSO USED BY THE FORMER WOODWARD SAND COMPANY.

3) THE SUBJECT POND IS SURROUNDED BY TRASH AND DEBRIS FROM THE EDGE OF CURRENT WATER TABLE LEVEL TO TOP OF SURROUNDING LAND SURFACE. THERE ARE NUMEROUS AREAS AROUND PERIMETER OF POND THAT HAVE TRASH, DEBRIS PROTRUDING FROM SIDES OF BANK DIRECTLY ABOVE WATER TABLE. THE TYPES OF TRASH AND DEBRIS INCLUDE NUMEROUS PIECES OF BROKEN CONCRETE WITH PROTRUDING RE-BAR, PILES OF BROKEN ASPHALT IN MANY AREAS, PIECES

NAME _____ SIGNED _____

AGENCY - COUNTY OF SAN DIEGO DEPARTMENT OF HEALTH SERVICES; ENVIRONMENTAL HEALTH SERVICES; HAZARDOUS MATERIALS MANAGEMENT DIVISION

* A sign-in sheet (HM-9048) should be passed around at the beginning of the meeting, allowing all representatives to sign their name, list the agency they are representing, and telephone number.

** Brief summary of subject, agreements, directions, and/or instructions and anything else pertinent. Use extra sheets as necessary.

DHS:HM-9047 (1/90)

RECORD OF MEETING/TELEPHONE CONVERSATION

-5-

CHECK APPROPRIATE BOX:

- [X] SITE INVESTIGATION
- [ ] MINUTES OF MEETING
- [ ] TELEPHONE CONVERSATION

DATE 3 FEBRUARY 1993 TIME 345 PM LOCATION 11611 RIVERSIDE DR., LAKESIDE, CA

ATTENDEES/AGENCIES REPRESENTED* _____

PHONE NO. ( ) _____

- [ ] PERSON CALLING/CALLED FORMER WOODWARD SAND COMPANY
- [ ] AGENCY REPRESENTED _____

CONVERSATION/MINUTES** _____

OF PLASTIC, TILE AND METAL PARTS SCATTERED ON PLATEAU ABOVE POND SOUTH OF B AND B EQUIPMENT STORAGE AND MAINTENANCE YARD.

4- THERE ARE NUMEROUS, LARGE TIRES FROM THE HEAVY EQUIPMENT, WHICH HAS BEEN USED ON THIS SITE OVER TIME, STORED ON THE PLATEAU SOUTH OF THE B AND B EQUIPMENT YARD. A CURRENT B AND B EMPLOYEE/ FORMER WOODWARD SAND COMPANY EMPLOYEE STATED THESE TIRES WERE FLOATING ON THE WATER SURFACE OF THE POND FOR SOME TIME. THIS EMPLOYEE STATED HE SWAM IN POND, AFFIXED CABLES AROUND EACH TIRE, SO THEY COULD BE REMOVED AND STORED IN THEIR PRESENT LOCATION.

5- IN CONCLUSION, THIS SITE INVESTIGATION SHOWED ITS LOCATION TO BE IN THE SAN DIEGO RIVER FLOOD PLAIN; A POND CREATED BY PREVIOUS SAND MINING OPERATIONS; WATER TABLE WITHIN POND TO BE APPROXIMATELY 15-20 FEET BGS, AND THE ENTIRE PERIMETER OF THIS POND SHOWING EVIDENCE OF TRASH AND DEBRIS DUMPING OVER A PERIOD OF TIME.

NAME _____ SIGNED BERQUIST

AGENCY - COUNTY OF SAN DIEGO DEPARTMENT OF HEALTH SERVICES; ENVIRONMENTAL HEALTH SERVICES; HAZARDOUS MATERIALS MANAGEMENT DIVISION

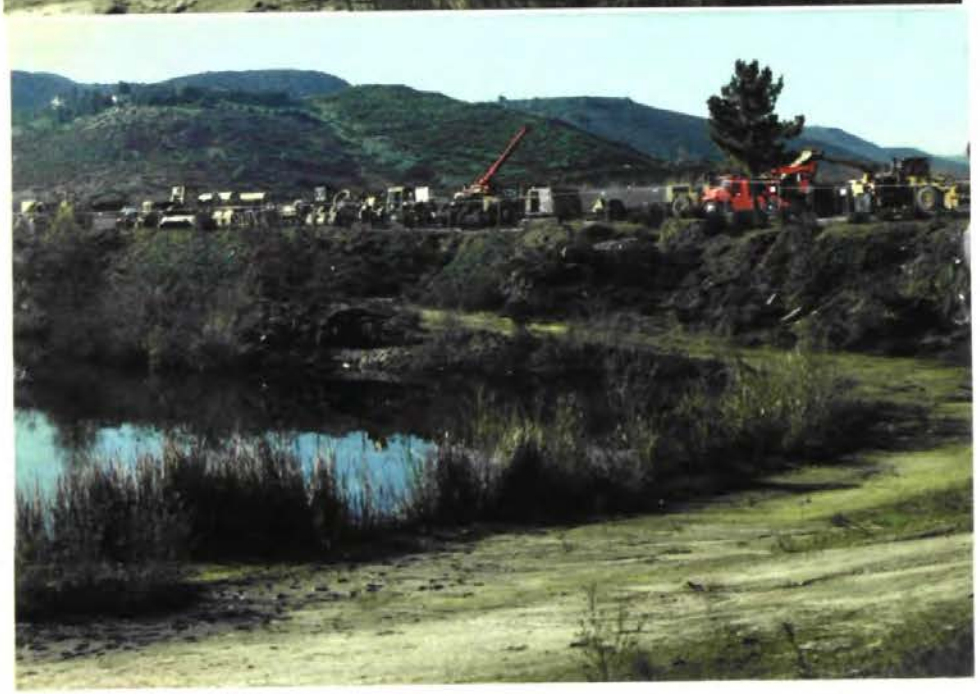
* A sign-in sheet (HM-9048) should be passed around at the beginning of the meeting, allowing all representatives to sign their name, list the agency they are representing, and telephone number.

** Brief summary of subject, agreements, directions, and/or instructions and anything else pertinent. Use extra sheets as necessary.

DHS:HM-9047 (1/90)







FORMER WOODWARD SAND COMPANY
11611 RIVERSIDE DR. LAKESIDE. CA
3 FEBRUARY 1993
LOOKING NORTH/NORTHEAST: BENCH
ADJACENT TO POND : LOCATION OF BORINGS
B-1, B-2 AND B-4

FORMER WOODWARD SAND COMPANY
11611 RIVERSIDE DR. LAKESIDE. CA
3 FEBRUARY 1993
POND LOOKING SOUTH/SOUTHWEST FROM
RIVERSIDE DR. BRIDGE ADJACENT TO STORM
WATER DISCHARGE TO POND

FORMER WOODWARD SAND COMPANY
11611 RIVERSIDE DR. LAKESIDE. CA
2 FEBRUARY 1993
LOOKING SOUTHWEST TO SITE OF SOIL
BORINGS: B-1, B-2 AND B-4: B AND B
HEAVY EQUIPMENT SALES, RENTALS, INC.







FORMER WOODWARD SAND COMPANY
11611 RIVERSIDE DR. LAKESIDE, CA.
3 FEBRUARY 1993
CONCRETE WITH RE-BAR DEBRIS:
IMMEDIATELY SOUTH OF B AND B HEAVY
EQUIPMENT SALES, RENTALS, INC.

FORMER WOODWARD SAND COMPANY
11611 RIVERSIDE DR. LAKESIDE, CA
3 FEBRUARY 1993
STOCK PILE OF BROKEN ASPHALT
LOCATED SOUTH OF B AND B HEAVY
EQUIPMENT SALES, RENTALS, INC.

FORMER WOODWARD SAND COMPANY
11611 RIVERSIDE DR. LAKESIDE, CA
3 FEBRUARY 1993
DEBRIS AND HEAVY EQUIPMENT
TIRES LINING-UPPER BANK OF SOUTH-
WEST PORTION OF SUBJECT POND







FORMER WOODWARD SAND COMPANY
11611 RIVERSIDE DR. LAKESIDE, CA
3 FEBRUARY 1993
POND LOOKING SOUTH FROM RIVER-
SIDE DRIVE

FORMER WOODWARD SAND COMPANY
11611 RIVERSIDE DR. LAKESIDE, CA
3 FEBRUARY 1993
POND LOOKING NORTHEAST: BRIDGE
WITH STORM WATER RUN-OFF TO POND

FORMER WOODWARD SAND COMPANY
11611 RIVERSIDE DR. LAKESIDE, CA
3 FEBRUARY 1993
LOOKING NORTHEAST: BRIDGE WITH
STORM WATER RUN-OFF TO POND:
RIVERSIDE DR. BRIDGE







FORMER WOODWARD SAND COMPANY
11611 RIVERSIDE DR. LAKESIDE, CA
3 FEBRUARY 1993
WASHED OUT AREA OF DRAIN PIPE ALLOWS WATER FROM SUBJECT POND TO SOUTHERN POND LOCATED IN SAN DIEGO RIVER FLOW-CHANNEL/FLOOD PLAIN

FORMER WOODWARD SAND COMPANY
11611 RIVERSIDE DR. LAKESIDE, CA
3 FEBRUARY 1993
POND/LOOKING EAST FROM SITE OF SOIL BORINGS: DEBRIS PROTRUDING FROM SIDEWALL OF BANK ABOVE WATER TABLE

FORMER WOODWARD SAND COMPANY
11611 RIVERSIDE DR. LAKESIDE, CA.
3 FEBRUARY 1993
ABANDONED WELL IN POND LOCATED WEST B AND B HEAVY EQUIPMENT SALES, RENTALS, INC.: LOOKING NORTH/NORTHWEST

From: Carol Spangenberg
To: Michael Vernetti
Date: Thu, Oct 26, 2000 11:15 AM
Subject: Budget Gas referral to the RWQCB

I checked with Lori Casias. We send all of the new NORs to her.
She said that yes, whenever a case is referred to the RWQCB, we need to notifiy her. We also need to reference it on the quarterly reprot we send her. I suggest we add two cc's on the RWQCB referral form letter so that we do it automatically on all future letters.
cc: Lori Casias, SWRCB
cc: SAM person responsible for the SWRCB quarterly report.

I have faxed her a copy of the Dale Deweese letter.

CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED ? ☐ YES ☐ NO

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFTY CODE.
SIGNED _____ DATE _____

REPORT DATE 10/10/90 CASE # H06670

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: TERESA STOVERN
PHONE: (619) 338-2107
SIGNATURE:
REPRESENTING: ☒ LOCAL AGENCY ☐ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ OTHER
COMPANY OR AGENCY NAME: HMMD/DHS
ADDRESS (STREET): 1255 IMPERIAL AVE. CITY: S.D. STATE: CA ZIP: 92138

RESPONSIBLE PARTY

NAME: WOODWARD SAND CO. ☐ UNKNOWN
CONTACT PERSON:
PHONE: (619) 448-4422
ADDRESS (STREET): ~~South~~ P.O. Box 713070 CITY: SANTEE STATE: CA ZIP:

SITE LOCATION

FACILITY NAME (IF APPLICABLE): WOODWARD SAND CO.
OPERATOR:
PHONE: (619) 448-4422
ADDRESS (STREET): South of Riverside Dr. CITY: Santee COUNTY: CA ZIP:
CROSS STREET:

IMPLEMENTING AGENCIES

LOCAL AGENCY / AGENCY NAME: HMMD
CONTACT PERSON: DAVE BERQUIST
PHONE: (619) 338-2219
REGIONAL BOARD: SDRWQCB
CONTACT PERSON: JIM MUNCIT
PHONE: (619) 265-5714

SUBSTANCES INVOLVED

(1) NAME: gas + QUANTITY LOST (GALLONS): ☒ UNKNOWN
(2) NAME: QUANTITY LOST (GALLONS): ☐ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED: 10/10/90
HOW DISCOVERED: ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☐ TANK REMOVAL ☒ OTHER Well permit
DATE DISCHARGE BEGAN: ☒ UNKNOWN
METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): ☐ REMOVE CONTENTS ☐ REPLACE TANK ☐ CLOSE TANK ☐ REPAIR TANK ☐ REPAIR PIPING ☐ CHANGE PROCEDURE ☒ OTHER
HAS DISCHARGE BEEN STOPPED ? ☐ YES ☐ NO IF YES, DATE

SOURCE/CAUSE

SOURCE OF DISCHARGE: ☐ TANK LEAK ☒ UNKNOWN ☐ PIPING LEAK ☐ OTHER
CAUSE(S): ☐ OVERFILL ☐ RUPTURE/FAILURE ☐ SPILL ☐ CORROSION ☒ UNKNOWN ☐ OTHER

CASE TYPE

CHECK ONE ONLY: ☒ UNDETERMINED ☐ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY
☐ NO ACTION TAKEN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION
☐ LEAK BEING CONFIRMED ☐ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS
☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
☐ CAP SITE (CD) ☐ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT)
☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS)
☐ VACUUM EXTRACT (VE) ☐ NO ACTION REQUIRED (NA) ☐ TREATMENT AT HOOKUP (HU) ☐ VENT SOIL (VS)
☐ OTHER (OT)

COMMENTS

11-5

Ninyo & Moore

Geotechnical and Environmental Sciences Consultants
10225 Barnes Canyon Road, Suite A-112
San Diego, California 92121
Tel: (619) 457-0400 Fax: (619) 558-1236

FAX TRANSMITTAL

TO DAVE BERQUIST

EHS

FAX 338 2377

DATE 29 MARCH 93

TIME 8 am

PROJECT NAME WOODWARD SAND

NO. OF PAGES 2 (not including transmittal page)

Copies	Description
1	MAP OF BORING LOCATIONS

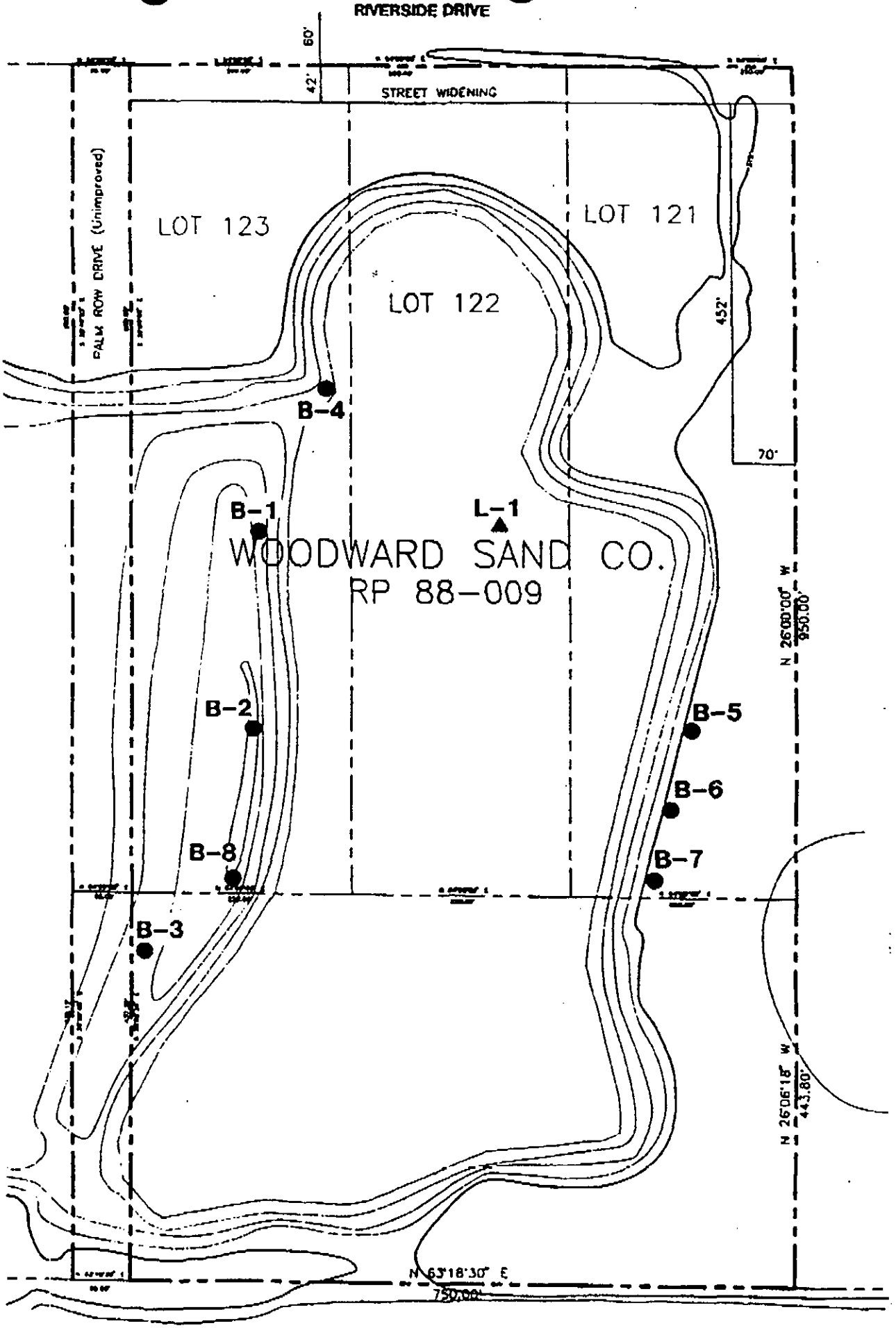
☐ For your files ☐ For your review and approval

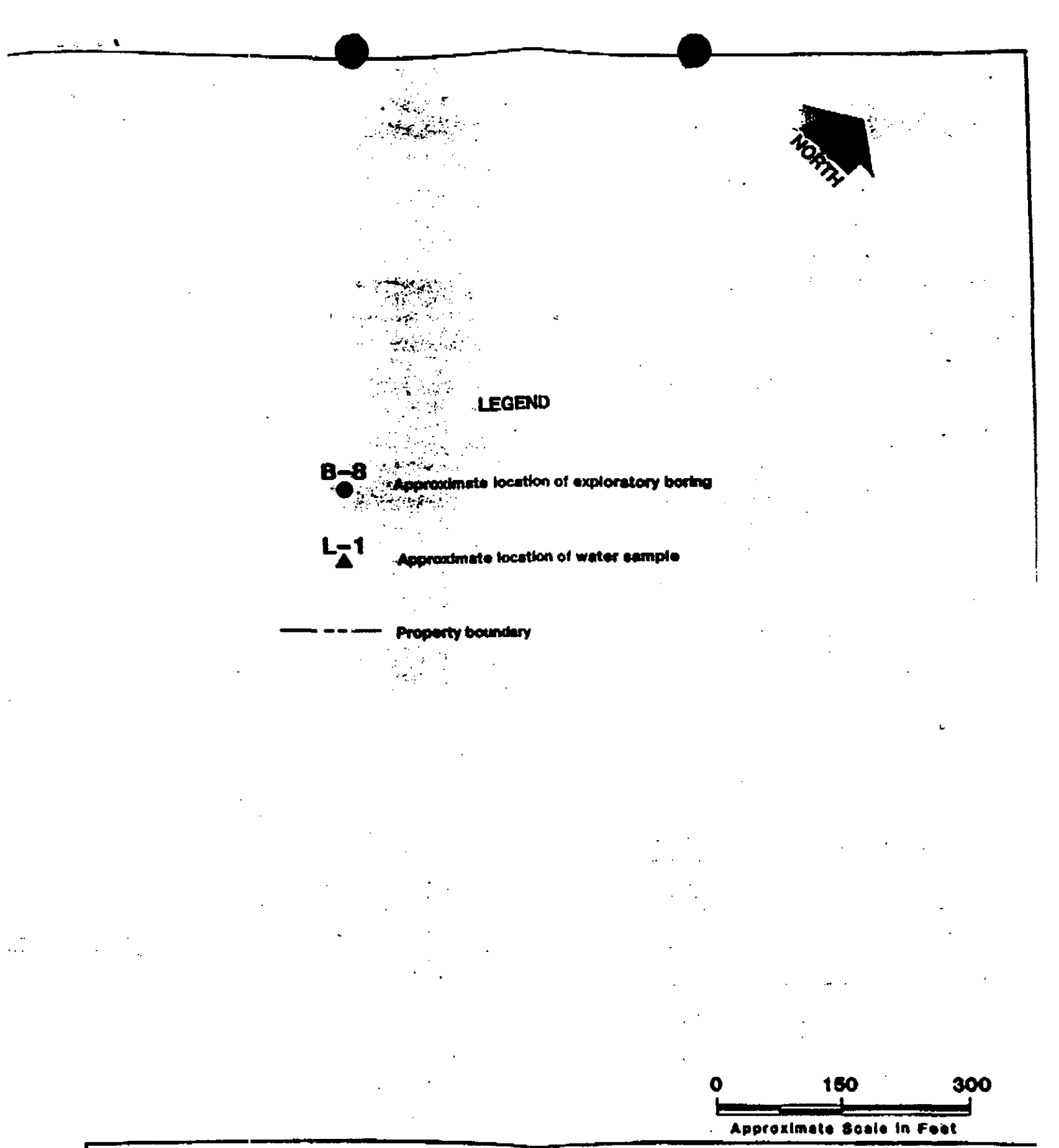
☒ For your use ☐ For your review and comment

☒ As requested ☐ Other

REMARKS

BY STEVE BECK


RIVERSIDE DRIVE
60'
42'
STREET WIDENING
PALM ROW DRIVE (Unimproved)
LOT 123
LOT 122
LOT 121
452'
70'
B-4
B-1
L-1
WOODWARD SAND CO.
RP 88-009
B-2
B-5
B-6
B-8
B-7
B-3
N 26°00'00" W
950.00'
N 26°06'18" W
443.80'
N 63°18'30" E
750.00'



BORING LOCATION MAP

WOODWARD SAND COMPANY
RIVERSIDE DRIVE
SANTEE, CALIFORNIA

Ninyo & Moore

PROJECT NO.	DATE
101803-01	1/91

FIGURE 2

County of San Diego

DANIEL J. AVERA
DIRECTOR

LARRY T. AKER
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

OCCUPATIONAL AND RADIOLOGICAL HEALTH DIVISION
9325 Hazard Way, San Diego, CA 92123-1217
TEL: 694-3550 (S50) FAX: 694-3434 (S50)

IF ENCLOSURES ARE NOT AS NOTED, PLEASE INFORM US IMMEDIATELY.

DATE: 6/27/96

TO: Chuck Lehotsky, HMS

FROM: Mark Middlestead

SUBJECT / PROJECT: MAST BLVD Extension

LOCATION: Lakeside

IF CHECKED BELOW, PLEASE:

[ ] Acknowledge receipt of enclosures: 694-3550 (S50)
Date received: _____

[ ] Return enclosures to ORHD at Mail Stop O-566.

DATE DUE BACK: _____

WE ARE TRANSMITTING: [X] With this cover sheet [ ] Under separate cover via _____
[ ] In accordance with your request _____

FOR YOUR: [ ] Approval [ ] Records [X] Information
[ ] Review/Comments [ ] Use [ ] Distribution to parties
[ ] _____

ENCLOSURES: [ ] Drawing/Blueprints [X] Survey Report [ ] Samples
[ ] Specifications [ ] Laboratory Report [ ] Product Literature
[ ] Management Plan [ ] _____

COPIES	DESCRIPTION	DATE REVIEWED	INITIAL
1	Acq. Review: Mast Blvd Extension (9596.120)		
1	Comments: " " (9596A.120)		

COMMENTS: Chuck,
Here is the information that you requested
Mark

COPIES TO: (With enclosures)
[ ]
[ ]
[ ]
[ ]
[ ]
[ ]

BY: _____

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH

FOR SAM USE:
Date Received 7/5/96
Submittal Fee Paid $ 1600
Establishment # H06670-002
CR 1005

SITE ASSESSMENT AND MITIGATION DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

APPLICATION FOR ASSISTANCE

INFORMATION FOR REVIEW OF SITE ASSESSMENT PROJECTS

(PLEASE READ BOTH SIDES OF THIS FORM CAREFULLY PRIOR TO COMPLETION)

A. Site Name _____ Assessors Parcel Number: 92-0250-A-B

Site Address Riverford Rd. & Riverside Dr. Lakeside, Ca,
Street City Zip Code

B. Property Owner Caster Group, L.P.

Mailing Address 4607 Mission Gorge Pl. San Diego, Ca
Street City Zip Code

Contact Person Brian Caster Telephone 619 287-8873

C. Application Submitted by:

Contact Person _____ Telephone ( )

Company Name _____

Mailing Address _____
Street City Zip Code

D. Brief Project Description Vacant land to be purchased by the County for Road Right of Way.

I accept the referral conditions on the reverse and agree to pay all costs associated with this request within 30 days of an invoice from Site Assessment and Mitigation Division.

_____ 6-27-96
Signature of Applicant Date

07-05-96 08:40 ANT

(FOR REGIONAL WATER QUALITY CONTROL BOARD USE ONLY)

The Regional Water Quality Control Board agrees to release this project to SAM for oversight assistance.

Date _____ Authorized By _____

DEH:HM-990 (1/95)

96123 07-05-96 $160.00

REFERRAL CONDITIONS:

- Oversight of soil and groundwater contamination that is not associated with underground storage tank leaks is within the regulatory authority of the Regional Water Quality Control Board (RWQCB). Due to RWQCB staff limitations, the Site Assessment and Mitigation Division (SAM) works cooperatively with them to provide oversight of site assessment and remediation activities to help expedite the resolution of cases. The authorized signature of the RWQCB on the reverse of this form acknowledges that the RWQCB is referring the case to SAM. SAM will consult with RWQCB staff and obtain their concurrence concerning site assessment and cleanup standards.

  If the Responsible Party prefers to have the RWQCB as the lead agency, please contact the RWQCB Site Clean-up Unit at (619) 467-2952.

  If the Responsible Party agrees to SAM oversight, complete and submit this form entitled APPLICATION FOR ASSISTANCE.

- SAM has the option of referring this case to the RWQCB at any time during the review process.

- An initial fee of $160 made payable to the County of San Diego is required at the time of request submittal, which allows up to two hours SAM staff time. Payment for any staff time in excess of two hours will be billed and must be paid within 30 days of receipt of the invoice. The current billing rate is $80/hour.

- A copy of all correspondence from SAM will be sent to the applicant and to the legal property owner.

- Allow a minimum of 30 days for SAM to complete review of the site assessment report.

- The contact person (Section C) will be point of contact unless SAM is otherwise advised.

- This file will be available to the public for review upon written request.

County of San Diego

DANIEL J. AVERA
DIRECTOR

LARRY T. AKER
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

SITE ASSESSMENT AND MITIGATION DIVISION

August 9, 1996

TO: David Solomon, Deputy Director
Department of Public Works

FROM: Chuck Pryatel, Chief
Site Assessment and Mitigation Division

REVIEW OF PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
PROPOSED EASEMENT ACQUISITION
EAST SIDE OF RIVERFORD ROAD AND SOUTH SIDE OF RIVERSIDE DRIVE, LAKESIDE, CA

At your request, we have reviewed the proposed easement acquisition referenced above with regards to known or potential environmental concerns which may exist on the subject property. Our conclusions and recommendations are based on review of the following information:

(1) *Report of Preliminary Environmental Site Assessment (Phase I - ESA), Riverford Road and Riverside Drive, Lakeside, California,* dated July 2, 1996, and prepared by Southern California Soil and Testing, Inc. (SCS&T) for Castor Enterprises. This report was provided to us by Brian Castor of Castor Enterprises.

(2) *Acquisition Review: Mast Boulevard Extension,* dated February 27, 1996, conducted by the Department of Environmental Health's Occupational and Radiological Health Division (ORHD) for the Department of Public Works (DPW), plus two subsequent follow-up memoranda, one from DPW to ORHD dated May 13, 1996, and the other from ORHD to DPW dated May 20, 1996. This information was provided to us by Mark Middlestead of ORHD.

BACKGROUND

We understand that DPW proposes to purchase a narrow easement, approximately 1,000 feet in length along Riverford Road and 700 feet in length along Riverside Drive, in Lakeside,

California. The easement will be used for road construction purposes. As required by County policy for projects involving acquisition of real property, DPW and DEH's ORHD performed a Transaction Screen Process for the subject property to establish the probability of finding hazardous materials within or near the boundaries of the project. DPW completed a Transaction Screen Questionnaire (TSQ) and submitted it to ORHD for review. ORHD reviewed the TSQ and also conducted a DEH records search and a commercial government records search and reviewed this information.

As a result, a Phase I ESA was submitted by Southern California Soil and Testing. On June 26, 1996, DEH Site Assessment and Mitigation staff met with Brian Castor of Castor Enterprises, Curtis Burdett of Southern California Soil and Testing, and Larry Horsman of DPW. The meeting was held to discuss the proposed easement acquisition and potential environmental concerns. On July 5, 1996, we received a copy of the Phase I ESA prepared by Southern California Soil and Testing, and on July 28, 1996, we received your memo requesting "hazmat review" for the subject property acquisition. The results of our review are provided below.

PHASE I ESA REVIEW

The stated purpose of the above referenced report was to evaluate the potential for hazardous materials to exist at the site (the easement property referenced above) at levels likely to warrant mitigation pursuant to current local and State regulations. The scope of services consisted of a site reconnaissance and a review of aerial photographs, regulatory agency records, and other available background materials. The major conclusions of SCS&T's Phase I ESA report are as follows:

- Portions of the property adjacent to the site have been used for sand mining purposes and subsequent soil disposal operations since at least 1968. Other adjacent property has been used and is currently being used for residential or commercial purposes.

- The site reconnaissance revealed the presence of features indicative of superficial and possible very minor subsurface contamination at the site. These features include surface staining and the presence of petroleum products. There is no indication that the degree of superficial contamination and possible subsurface contamination exceeds that expected for sites that support commercial operations such as those adjacent to the subject site.

- Review of government agency lists and records indicate that elevated levels of petroleum hydrocarbons were previously encountered on a portion of the property adjacent to the site (the Woodward Sand Pit property approximately 1,500 feet East of the subject site), and an unauthorized release from an underground fuel tank has occurred at the Willowbrook Country Club (approximately 3,000 feet East of the subject site). SCS&T concludes that the probability of significant on-site contamination resulting from these sources should be considered low.

SCS&T's overall conclusion and professional opinion is that the potential for contamination at the subject property appears to be limited to that described within their report (i.e., the minor superficial contamination observed during the site reconnaissance).

Based on our review of the above referenced information and SCS&T's Phase I ESA report, we concur with SCS&T's opinions that any hazardous materials that exist at the site (the easement property referenced above) are unlikely to be at levels that would warrant mitigation pursuant to current local and State regulations.

If you have questions or need further assistance, please call me at SANCONTEL 748-2449.

CHUCK PRYATEL, Chief
Site Assessment and Mitigation Division

CP/vw

cc: Brian Castor, Castor Enterprises

County of San Diego

TOM GARIBAY
DIRECTOR
(619) 694-2212
FAX: (619) 268-0461
LOCATION CODE S50

DEPARTMENT OF PUBLIC WORKS

5555 OVERLAND AVE, SAN DIEGO, CALIFORNIA 92123-1295

COUNTY ENGINEER
COUNTY AIRPORTS
COUNTY ROAD COMMISSIONER
TRANSIT SERVICES
COUNTY SURVEYOR
FLOOD CONTROL
WASTEWATER MANAGEMENT
SOLID WASTE

July 28, 1996

TO: Chuck Pryatel, Manager
Site Assessment and Mitigation Division
Department of Environmental Health (MS D561)

FROM: David Solomon, Deputy Director
Department of Public Works (MS 0332)

J. S. Kooner
Jaswant S. Kooner
Principal Civil Engineer

REQUEST FOR HAZMAT REVIEW FROM SA/M FOR MAST BOULEVARD PROPERTY ACQUISITION; ACTIVITY UJ1113

DPW is requesting that the SA/M division of DEH provide the required review and oversight regarding known environmental concerns that may exist on the subject property. This request is per instructions from your department regarding hazmat review for this property. It is DPW's desire that clearance for property acquisition can be obtained as expeditiously as possible to minimize potential construction delays for this project.

The current owner of the subject property is Caster Enterprises and the project contact for hazardous materials issues with respect to this project at DPW is Larry Horsman.

Mr. Horsman can be reached by telephone at Sancontel 750-2842.

DSS:LH:ts

♻ Printed on recycled paper

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
SITE ASSESSMENT AND MITIGATION DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

SB 1248 NOTIFICATION

The County of San Diego, Department of Environmental Health proposes to enter into a Remedial Action Agreement with the Responsible Party listed below. Pursuant to Chapter 671, Article 4.2, Section 512 to Chapter 1 of Part 2 of Division 1 of the H&S Code the following information is provided as notification to your agency.

A. Site Name Woodward Sand Co. Assessors Parcel Number: 92-0250-A&B
Site Address 9891 Riverford RD Lakeside CASE # H06670-002

B. Responsible Party Caster Group, L.P.
Mailing Address 4607 Mission Gorge Place San Diego
Contact Person Brian Caster Telephone (619) 287-8873

C. Site Owner SAM AS ABOVE

D. Any Known or Planned Local, State, or Federal Regulatory Involvement at Site ? NO

E. Notification Date July 3, 1996
If you have questions, please contact Larry Bodenhamer at (619) 338-2259.

F. Brief description of case: Review of Phase 1 report. No contamination confirmed.

DTSC ☐ Attn.: Greg Holmes, Unit Chief Site Mitigation Cleanup Operations Southern California Branch 1011 Grandview Ave Glendale, CA 91201 (818) 551-2812 (818) 551-2874 - FAX Signature: Date:	**RWQCB** ☐ Attn.: John Anderson, Senior Engineering Geologist Site Mitigation and Cleanup Unit 9771 Clairemont Mesa Blvd., Suite B San Diego, CA 92124 (619) 467-2952 (619) 571-6972 - FAX Signature: John P. Anderson Date: 7.5.96

Please sign in the appropriate box provided above to acknowledge receipt of this notification. Please fax a copy to Larry Bodenhamer at: (619) 338-2315. Thank you

If ground-water contamination is found, please notify me.

J. Anderson
7.5.96

DEH:HM-990 (1/95)

Preliminary Site Assessment H06670-002
(Phase I ESA)
Riverford Rd. & Riverside Dr., Lakeside
Prepared by So. Calif. Soils & Testing

- No site map provided (to document extent of property evaluated
- On-site survey: Looked for indications of "obvious" hazardous materials contamination. Observed a roadside fruit and vegetable stand on site - possibility of minor pesticide/herbicide usage there. Also noted minor surficial staining from vehicles (parking)
- Recognized Environmental Conditions: ① Woodward Sand Pit operation 1500 east of site. Ninyo & Moore (1991) reported localized elevated levels of hydrocarbons in fill placed at conclusion of sand mining, and concluded that elevated levels were result of asphalt in the fill. They reported that asphalt did not extend below water table. This ESA says fill above water table was removed, asphalt separated out, and clean fill replaced, as part of reclamation operation approved by RWQCB. ② Possible former tank at Woodward sand site (Toxic Releases list - "leak being confirmed" - Oct 91) ③ Willowbrook Country Club 3,000 feet east of site undergoing site assessment for tank leak in 1993. Conclusion of this ESA: Low likelihood of these off-site sources affecting the subject site.
- Geology / Hydrology: alluvial deposits of San Diego River floodplain. Depth to groundwater "a few tens of feet."
- Aerial Photo Review

  1928: site and surroundings were vacant, undeveloped property or agricultural property

1949: similar conditions to 1928 with increased agricultural use.
1953: conditions similar to 1949
1968/1970: some residential development NW of site. A few small structures are present SE of site (may be Woodward Sand office buildings). Some mining had occurred east of Riverford Rd.
1973: conditions similar to 1970
1978, 1983, 1989: area east of Riverford Rd. and south of Riverside Dr. continued to be used for sand mining. Surrounding area increasingly developed for residential and commercial uses.

- Environmental Records Review: computerized government records search performed by EBL Information Retrieval in June 1996. Several businesses located within one mile of site use, generate, store, treat, or dispose of hazardous materials and/or petroleum products, but their is no indication that any on-site business or close-proximity business has resulted in significant on-site contamination. However, ① adjacent property (Woodward Sand Pit) is listed on Toxic Releases list (possible lead being evaluated), ② elevated hydrocarbon level encountered in some fill at Woodward Sand pit (1500 ft east of site), and ③ unauthorized release from UST at Willowbrook Country Club (3000 ft east of site.)
- Conclusions: ① Portions of adjacent property used for sand mining since 1968 (Woodward Sand Co.); other adjacent property is commercial and residential ② Site reconnaissance revealed presence surficial and possibly very minor subsurface contamination, including surface staining and presence of petroleum products, but was judged to be typical for sites used for commercial purposes. ③ Records review revealed two sites of environmental concern - Woodward Sand Co. and Willowbrook Country Club; but probability of significant on-site contamination resulting from those sources was judged to be low.

MEETING SIGN-IN SHEET

DATE: 6/26/96 SUBJECT: Former Woodward Sand Co. Property

NAME	AGENCY REPRESENTING	PHONE NUMBER
CHUCK LEHOTSKY	DEH/SAM	338-2246
Darryl Fowler	DEH/SAM	338-2371
BRIAN CASTER	Caster Group LP	297-8873
Curtis Burdett	S.C. Dept of Soil & Water	280-9321
LARRY HORSMAN	DPW MATERIALS LAB	694-2842

DHS:KM-9048 (1/90)

County of San Diego

DANIEL J. AVERA
DIRECTOR

LARRY T. AKER
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

OCCUPATIONAL AND RADIOLOGICAL HEALTH DIVISION
9325 HAZARD WAY
SAN DIEGO, CA 92123-1217
TEL (619) 694-3550 (S50)
FAX (619) 694-3434 (S50)

COPY

May 20, 1996

TO: David S. Solomon, Deputy Director
Department of Public Works (O-332)

FROM: Larry Marshall, Chief
Occupational and Radiological Health Division (O-566)

COMMENTS: MAST BOULEVARD

These comments are in response to a Department of Public Works (DPW) letter sent to Dan Tappen, Supervising Industrial Hygienist, on May 13, 1996 (see attached). In general, the Occupational and Radiological Health Division (ORHD) agrees with the conclusions regarding the issues addressed in the letter. However, in regards to the Woodward Sand Company site, ORHD would recommend that DPW contact Kevin Heaton, Hydrogeologist, Department of Environmental Health (DEH) in order to confirm DPW's opinion that the site is "not a credible source of environmental concern" due to topography and location. If Mr. Heaton agrees with DPW's assessment of the Woodward Sand Company, then ORHD would concur with DPW that for purposes of appropriate inquiry, no further inquiry into recognized environmental conditions is necessary. Mr. Heaton's phone number is 338-2221 (S48).

For further information or assistance, please contact Mark Middlestead, Industrial Hygienist, at 694-2118 (S50).

David C. Tappen (for)

LARRY MARSHALL, Chief
Occupational and Radiological Health Division

LM:MM:pm:9596A.120

cc: Larry Horsman, Civil Engineer (O-90)

COUNTY OF SAN DIEGO

DEPARTMENT OF PUBLIC WORKS
INTRADEPARTMENTAL CORRESPONDENCE

Department of Public Works

May 13, 1996

TO: Dan Tappen, Supervising Industrial Hygienist
Department of Environmental Health Services (0566)

FROM: Dave Solomon, Deputy Director DSS by JCH
Department of Public Works (0332)

HAZMAT REVIEW FOR MAST BOULEVARD; UJ1113

This is a response to the February 27, 1996 interdepartmental correspondence from ORHD commenting on the hazardous materials review performed for proposed acquisitions associated with the Mast Boulevard project.

The Department of Environmental Health, SA/M files regarding the Willowbrook Country Club and Woodward Sand Company sites have been reviewed by DPW. The Willowbrook Country Club site is approximately 0.8 miles from the intersection of Riverford Road and Riverside Drive. Due to topography having its primary gradient toward the river channel to the south and the distance of the Willowbrook site from the project, it is DPW's opinion that this site does not pose a credible environmental concern to the subject project.

The Woodward Sand Company site does not have a completed site assessment. The last activity on this site appears to have been a request from DEH/SA/M to the owner for assessment of soil and groundwater contamination at the site. This request is dated September 30, 1993 and it does not appear that any work has been done on the site by DEH or the owner after that date. The files indicate that preliminary soil sampling did show contamination from the release of gasoline and/or diesel and/or waste oil.

Due to the topography in the area and the location of the Woodward Sand Company site above the river, it is the opinion of DPW that the primary direction of contamination migration will be from north to south toward the river. It is also DPW's opinion that this site is not a credible source of environmental concern for the proposed project properties on the west side of Riverford Road. For this reason DPW is modifying the proposed project to exclude the acquisition of easements or right-of-way east of Riverford Road.

Printed on recycled paper

Copies of topography maps for the area may be obtained from Larry Horsman of the DPW, Materials Lab.

The El Capitan Oil Company site is on the south side (other side) of the river from the proposed project. Again, it is believed that this site does not pose a credible concern due to topography and distance (approximately ½ mile from site).

With respect to the Pinery and Hilliker Farms it is possible that some residual pesticide may be present in the soil. Most areas of San Diego County that have been used for agricultural purposes have some low-level background residuals of pesticide in the soil.

The Pinery recently sent in their filled out TSQ and the responses are such that no environmental concerns related to hazardous materials were noted. The owner of Hilliker Farms was contacted by telephone. The primary use of the property is poultry raising. The owner indicated to DPW that Hilliker Farms is in compliance with all applicable regulations.

DPW has contacted the Pesticide Enforcement Section, Weights and Measures, of the San Diego County Department of Agriculture regarding information they might possess in their files relative to both the Pinery and Hilliker Farms.

The response to DPW from the Department of Agriculture, Weights and Measures is that there are no known problems related to pesticides or other hazardous chemicals with respect to either business enterprise. The contact person at Agriculture, Weights and Measures is John Blocker, Supervising Inspector. He can be reached by telephone at (619) 694-2755.

Due to poor response from the previous certified mailing all property owners received a second certified mailing. Response was somewhat better, however, approximately half have not responded in writing. Attempts to contact by telephone those who have not responded to the certified mailing have been only partially successful. None of the property owners contacted have indicated any causes of environmental concern related to hazardous materials.

Based on the additional review performed by DPW and the revised scope of the proposed project, it is the opinion of DPW that there are no significant concerns with respect to hazardous materials and the proposed acquisitions as revised. It is also DPW's opinion that the level of inquiry is appropriate for purposes of "appropriate inquiry."

If you have any questions, please contact Larry Horsman at (S.C. S50) 694-2842.

DSS:LH:ts

Attachments

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

ORDER No. 92-14

WASTE DISCHARGE REQUIREMENTS
FOR
THE CASTER GROUP
WOODWARD SAND PIT RECLAMATION PROJECT
SAN DIEGO COUNTY

The California Regional Water Quality Control Board, San Diego Region (hereinafter the Regional Board), finds that:

1. On August 12, 1991, The Caster Group (hereinafter discharger) submitted an incomplete Report of Waste Discharge (RWD), dated August 8, 1991 consisting of a technical report, dated August 7, 1991 prepared by Southern California Soil And Testing, Inc.; and a draft environmental impact report, dated July 1991 prepared by Brian F. Mooney Associates which included an environmental site assessment report, dated January 11, 1991 prepared by Ninyo & Moore. After submittal of the final environmental impact report, which was certified in accordance with the California Environmental Quality Act (Public Resources Code Section 21000, et seq.) on February 20, 1992, the RWD was determined to be complete.

2. The Report of Waste Discharge proposes measures to be implemented by the discharger as part of the Woodward Sand Pit Reclamation Project to prevent adverse water quality impacts potentially caused by disposal of fill material into the existing sand extraction pond.

3. The pond to be filled by the discharger was created during commercial sand mining operations by Woodward Sand and Materials Company. The sand extraction and processing operations was regulated by this Regional Board under Order No. 88-17, "Waste Discharge Requirements for the Woodward Sand and Materials Company, San Diego County".

4. The Woodward Sand Pit Reclamation Project is located within the Santee Hydrologic Subarea (7.12) of the Lower San Diego Hydrologic Area of the San Diego Hydrologic Unit in the community of Lakeside at the southeast corner of the intersection of Riverside Drive and Palm Row Drive. The site is within the floodplain of the San Diego River in the Southwest 1/4 of Section 13, T15S, R1W of (SBB&M) El Cajon Quadrangle, San Diego County. (See Attachment A to this Order)

5. The discharger indicates that newly imported fill material will consist of soil, rock and concrete rubble which will be placed below the water table. In addition asphalt fragments will be incorporated into the fill above the water table.

6. The discharger reports that the total project area is approximately 25 acres, which includes 23 acres owned by The Caster Group, comprising of Assessor's Parcel Numbers 379-142-01,02,03; 379-011-05,06; and 379-192-15. The remaining 2 acres of the project site extend onto the adjacent properties owned by Cal-Mat, APN 382-011-10, and San Diego County, extension of Palm Row Drive.

7. The Report of Waste Discharge indicates that a portion of the original pond, which encompassed part of the adjacent Cal-Mat and County properties, has been filled with imported material. Results of a limited environmental site assessment, prepared by Ninyo & Moore indicate that concentrations of high molecular weight petroleum hydrocarbons, as well as abundant soil, reinforced concrete, asphalt, transite pipe and scrap metal are present in the fill material disposed of at the site.

8. The Report of Waste Discharge indicates that a portion of the existing fill material must be removed and re-compacted in order to accommodate future construction at the site.

9. The Report of Waste Discharge proposes using the existing on-site material, previously imported, to fill the pond excavation after separating asphalt chucks, transite pipe, scrap metal and hazardous materials (or other inappropriate materials).

10. The Report of Waste Discharge further proposes that after removing the portion of existing fill material located above the water table, several test trenches would be excavated through the remaining fill to determine if asphalt or hazardous materials (or other inappropriate materials) are located below the water table.

11. The discharger indicates waste disposal activities are proposed for approximately 9 acres of the existing 12.6 acre pond. The remaining area of the pond will be left unfilled and integrated into the ultimate San Diego River Floodway Plan.

12. The Report of Waste Discharge indicates the pond is connected to the San Diego River by two large diameter culverts. The RWD recommends that these culverts either be plugged or removed to prevent the pond water from direct access to the San Diego River.

13. The Comprehensive Water Quality Control Plan Report, San Diego Basin (9) (the Basin Plan), adopted by this Regional Board on March 17, 1975; approved by the State Board on March 20, 1975. Subsequent revisions to the Basin Plan have also been adopted by the Regional Board and approved by the State Board.

14. Section 5650 of the California Fish and Game Code specifically prohibits asphalt from being deposited in, permitted to pass into, or placed where it can pass into the waters of this State. It also prohibits deposition of any substance or material deleterious to fish, plant life, or bird life.

15. Pursuant to Section 40060 of the Public Resources Code, the Regional Board shall not issue a waste discharge permit for a new landfill, which is used for the disposal of nonhazardous solid waste, if the land has been primarily used at any time for mining, or excavation of gravel or sand.

16. Nonhazardous solid waste as defined in, Section 2523 of Chapter 15, Title 23 of the California Code of Regulations (23 CCR) includes demolition and construction wastes, abandoned vehicles and parts thereof, discarded home and industrial appliances, manure, and putrescible solid, semi-solid and liquid wastes.

17. Section 2524 of Chapter 15, (23 CCR) defines inert waste as not containing hazardous waste or soluble pollutants at concentrations in excess of applicable water quality objectives, and does not contain significant quantities of decomposable waste.

18. The Basin Plan established the following objectives for inland surface water and groundwater which are applicable to this facility:

Color:

Waters shall be free of coloration that causes nuisance or adversely affects beneficial uses.

Tastes and Odors:

Waters shall not contain taste or odor-producing substances in concentrations that impart undesirable tastes or odors to fish flesh or other edible products of aquatic origin, that cause nuisance or adversely affect beneficial uses.

Floating Material:

Waters shall not contain floating, including solids, liquids, foams, and scum, in concentrations that cause nuisance or adversely affect beneficial uses.

Chemical Constituents:

Water designated for use as domestic or municipal supply (MUN) shall not contain concentrations of chemical constituents in excess of the maximum contaminant levels specified in California Code of Regulations, Title 22, Chapter 15, Article 4, Section 64435, Tables 2, 3, and Article 8, Section 64473, Table 6.

Ground water designated for use as agricultural supply (AGR) shall not contain concentrations of chemical constituents in amounts that adversely affect such beneficial use.

Radioactivity:

Ground water designated for use as domestic or municipal supply (MUN) shall not contain concentrations of radionuclide in excess of the limits specified in California Administrative Code Title 17, Chapter 5, Subchapter 1, Group 1, Article 4, Section 7019, Tables 5.

19. The Basin Plan has established the following beneficial uses for the waters of the Santee Hydrologic Subarea [above Sycamore Creek], (7.12).

Surface waters

a. Municipal and Domestic Supply[1]
b. Industrial Service Supply
c. Ground Water Recharge[1]
d. Water Contact Recreation
e. Non Contact Water Recreation
f. Warm Fresh-Water Habitat
g. Cold Fresh-Water Habitat
h. Wildlife Habitat
i. Preservation of Rare and Endangered Species
j. Fish Spawning Habitat

Ground waters

a. Municipal and Domestic Supply

[1] Potential beneficial use

b. Agriculture Supply
c. Industrial Service Supply
d. Industrial Process Water[1]
e. Ground Water Recharge[1]

20. The Basin Plan has established the following water quality objectives for the Santee Hydrologic Subarea (7.12).

Constituent	Surface Water	Ground Water
Total Dissolved Solids	1000 mg/L	1000 mg/L[2]
Chloride	400 mg/L	400 mg/L[2]
Percent Sodium	60 %	60 %
Sulfate	500 mg/L	500 mg/L[2]
Nitrate (as NO_3)	---	45 mg/L[2]
Nitrogen & Phosphorus	*[3]	---
Iron	0.3 mg/L	0.3 mg/L[2]
Manganese	0.05 mg/L	0.05 mg/L[2]
Methylene Blue Active Substances	0.5 mg/L	0.5 mg/L
Boron	1.0 mg/L	0.5 mg/L
Odor	None	None
Turbidity	20 NTU	5 NTU
Color	20 Units	15 Units
Fluoride	---	1.0 mg/L

Note: The above concentration not to be exceeded more than 10% of the time.

[2]Detailed salt balance studies are recommended for this area to determine limiting mineral concentration levels for discharge. On the basis of existing data, the tabulated objectives would probably be maintained in most areas. Upon completion of the salt balance studies, significant water quality objective revisions may be necessary. In the interim period of time, projects of groundwater recharge with water quality inferior to the tabulated numerical values may be permitted following individual review and approval by the Regional Board if such projects do not degrade existing groundwater quality to the aquifers affected by the recharge.

[3]Concentrations of nitrogen and phosphorus, by themselves or in combinations with other nutrients, shall be maintained at levels below those which stimulate algae and emergent plant growth. Threshold total Phosphorus (P) concentrations shall not exceed 0.05 mg/L in any stream at the point where it enters any standing body of water, nor 0.025 mg/L in any standing body of water. A desired goal in order to prevent plant nuisances in streams and other flowing waters appears to be 0.1 mg/L total P. These values are not to be exceeded more than 10 percent of the time unless studies of the specific water body in question clearly show that water quality objective changes are permissible and changes are approved by the Regional Board. Analogous threshold values have not been set for nitrogen compounds; however, natural ratios of nitrogen to phosphorus are to be determined by surveillance and monitoring and upheld. If data are lacking, a ratio of N:P = 10:1 shall be used.

21. The Basin Plan contains the following prohibitions which are applicable to the site:

"The dumping or deposition of oil, garbage, trash or other solid municipal, industrial or agricultural waste directly into inland waters or watercourses or adjacent to watercourses in any manner which may permit its being washed into the watercourse is prohibited."

"Dumping or deposition of oil, garbage, trash or other solid municipal, industrial or agricultural waste into natural or excavated sites below historic water levels or deposition of soluble industrial wastes at any site is prohibited, unless such site has been specifically approved by the Regional Board for that purpose."

"Land grading and similar operations causing soil disturbance which do not contain provisions to minimize soil erosion and limit suspended matter in are runoff are prohibited."

22. Based upon the information contained in the RWD and noted in the Findings of this Order, the reclamation project if conducted and monitored in accordance with this Order, should not cause the Basin Plan objectives for the Santee Hydrologic Subarea (7.12) to be exceeded or violate the Basin Plan prohibitions.

23. The Regional Board, in establishing the requirements contained herein, considered factors including, but not limited to the following:

a. Past, present, and probable future beneficial uses of water;

b. Environmental characteristics of the hydrographic unit under consideration, including the quality of water available thereto;

c. Water quality conditions that could reasonably be achieved through the coordinated control of all factors which affect water quality in the area;

d. Economic considerations;

e. The need for developing housing within the region;

f. Beneficial uses to be protected and water quality objectives reasonably required for that purpose;

g. Other waste discharges;

h. The need to prevent nuisance; and

i. The need to develop and use recycled water.

24. The Regional Board has considered all water resource related environmental factors associated with the existing discharge.

25. The Regional Board has notified the discharger and all known interested parties of the intent to prescribe waste discharge requirements for the discharge.

26. The Regional Board in a public meeting heard and considered all comments pertaining to the proposed discharge.

27. The project as approved by the County of San Diego will not have a significant effect on water quality.

IT IS HEREBY ORDERED, That The Caster Group shall comply with the following Waste Discharge Requirements:

A PROHIBITIONS

1. Discharge of waste to land which has not been specifically described to the Regional Board and for which valid waste discharge requirements are not in force is prohibited.

2. Disposal of hazardous, designated, and nonhazardous solid waste as described by (23 CCR) Chapter 15, Sections 2521, 2522, and 2523, is prohibited. Nonhazardous solid waste includes demolition and construction wastes, abandoned vehicles and parts thereof, discarded home and industrial appliances, manure, and putrescible solid, semi-solid and liquid wastes.

3. Disposal of asphalt within the San Diego River, its tributaries, or adjacent to them in any manner which may permit its being washed into the waters of this State is prohibited.

4. Disposal of asphalt below historic groundwater level is prohibited.

5. Discharge of liquid waste to surface waters or surface water drainage courses is prohibited.

6. Disposal of tires; asbestos (transite) pipe; scrap metal; or contaminated soil, concrete or other materials from a chemical spill, leaking underground tank or similar excavation/cleanup is prohibited.

7. Land grading and similar operations causing soil disturbance which do not include provisions to minimize soil erosion and limit suspended matter in the runoff are prohibited. Runoff from all disturbed soil areas shall be managed, controlled and/or treated so that the discharge shall contain no more suspended solids than would be contained in runoff from the undisturbed state.

8. The discharge of waste shall not cause the following:

   a. Occurrence of coliform or pathogenic organisms in waters pumped from the basin;

   b. Presence of objectionable tastes and odors in waters pumped from the basin;

   c. Waters pumped from the basin to foam;

   d. Presence of toxic materials in waters pumped from the basin;

   e. Changes in the pH value of the water pumped from the basin outside the range of 6.0 to 9.0 units;

   f. Violation of the objectives for the ground or surface waters of the Santee Hydrologic Subarea, as established in the Basin Plan;

   g. Odors, mosquitos or other vectors, and other nuisance conditions in the San Diego River or its tributaries of waste origin beyond the limits of the site; or

   h. Pollution, contamination, nuisance or adversely affect beneficial uses of the ground or surface waters of the Santee Hydrologic Subarea as established in the Basin Plan.

B DISCHARGE SPECIFICATIONS

1. Disposal of soil, rock, concrete, and brick rubble, ceramic tile and plaster waste or asphalt fragments (above the groundwater table) and other material as specifically approved by the Regional Board Executive Officer may be disposed at the site.

2. The discharger shall implement an approved load-checking program; as required pursuant to **REPORTING REQUIREMENT D.1** to ensure that hazardous, nonhazardous, designated or contaminated materials are not discharged at the site.

3. The discharger shall implement an approved sampling and analyses plan; as required pursuant to **REPORTING REQUIREMENT D.2** to ensure that waste materials at the site at the time of the adoption of this Order are accurately characterized.

4. The discharger shall remove and dispose of properly any wastes which are discharged at this site in violation of these requirements.

5. All waste treatment, containment and disposal facilities shall be protected against erosion, overland runoff and other impacts resulting from a 100-year frequency 24-hour storm.

6. All waste treatment, containment and disposal facilities shall be protected against 100-year peak stream flows as defined by the San Diego County flood control agency.

C PROVISIONS

1. Neither the treatment nor the discharge of waste shall create a pollution, contamination or nuisance, as defined by Section 13050 of the California Water Code.

2. The discharger must comply with all conditions of this Order. Any noncompliance with this Order constitutes a violation of the California Water Code and is grounds for (a) enforcement action; (b) termination, revocation and re-issuance, or modification of this Order.

3. In an enforcement action, it shall not be a defense for the discharger that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with this Order.

4. The discharger shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Order, including such accelerated or additional monitoring as may be necessary to determine the nature and impact of the noncompliance..

5. The discharger shall, at all times, properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the discharger to achieve compliance with conditions of this Order. Proper operation and maintenance includes effective performance, adequate laboratory and process controls including appropriate quality assurance procedures.

6. This Order may be modified, revoked and reissued, or terminated for cause including, but not limited to, the following:

   a. Violation of any terms or conditions of this Order;

   b. Obtaining this Order by misrepresentation or failure to disclose fully all relevant facts; or

   c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge. The filing of a request by the discharger for the modification, revocation and re-issuance, or termination of this Order, or notification of planned changes or anticipated noncompliance does not stay any condition of this Order.

7. This Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, nor protect the discharger from liability under federal, state, or local laws, nor create a vested right for the discharger to continue the regulated activity.

8. The discharger shall allow the Regional Board, or an authorized representative upon the presentation of credentials and other documents as may be required by law to:

   a. Enter upon the discharger's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Order;

b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Order;

c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; and

e. Sample or monitor at reasonable times, for the purposes of assuring compliance with this Order or as otherwise authorized by the California Water Code, any substances or parameters at any location.

9. A copy of this Order shall be maintained at the site and shall be available to operating personnel at all times.

10. This Order becomes effective on the date of adoption by the Regional Board.

11. The provisions of this Order are severable, and if any provision of this Order, or the application of any provision of this Order to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Order, shall not be affected thereby.

12. Alternatives and exceptions to and exemptions and waivers from requirements of Chapter 15 shall be subject to the approval of the Executive Officer and shall be authorized only as provided for by Chapter 15. Implemented alternatives to Chapter 15 requirements shall meet the conditions for approval of such alternatives established in Chapter 15.

D. REPORTING REQUIREMENTS

1. The discharger shall submit a load-checking program for approval by the Regional Board Executive Officer prior to commencement of the project.

2. The discharger shall submit a sampling and analyses plan for the following: fill material to be excavated from the pond, and any material to be left in the pond. This plan shall be in accordance with procedures specified in CCR Title 22, Article 11, Section 66694 or other acceptable procedures as approved by the Regional Board Executive Officer prior to commencement of the project.

3. In accordance with Section 2210 of California Water Code, the discharger shall file a new Report of Waste Discharge at least 120 days prior to the following:

   a. Significant change in the treatment or disposal method (e.g. change in the method which would significantly alter the nature of the waste);

   b. Change in the disposal location, amount, or character of the waste from that described in the findings of this Order;

   c. Any planned change in the regulated facility or activity which may result in noncompliance with this Order.

4. The discharger shall furnish to the Executive Officer of this Regional Board, within a reasonable time, any information which the Executive Officer may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order. The discharger shall also furnish to the Executive Officer upon request, copies of records required to be kept by this Order.

5. The discharger must notify the Executive Officer, in writing at least 30 days in advance of any proposed transfer of this Order's responsibility and coverage between the current discharger and a new discharger. This agreement shall include an acknowledgement that the existing discharger is liable for violations up to the transfer date and that the new discharger is liable from the transfer date on.

6. Where the discharger becomes aware that it failed to submit any relevant facts in the technical report or submitted incorrect information in the technical report or in any report to the Regional Board, it shall promptly submit such facts or information.

7. The discharger shall report any noncompliance which may endanger health or the environment. Any such information shall be provided verbally to the Executive Officer within 24 hours from the time the discharger becomes aware of the circumstances. A written submission shall also be provided within five days of the time the discharger becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the

noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, or prevent recurrence of the noncompliance. The Executive Officer, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

8. The discharger shall comply with the attached Monitoring and Reporting Program No. 92-14.

9. The discharger shall conduct such monitoring as may be necessary in order to provide information requested by the Executive Officer.

10. The discharger shall maintain legible records of the amount (volume or weight) and type of each waste discharged at the site and the manner and location of discharge.

11. The discharger shall notify the Regional Board of any discharge to the San Diego River caused by flooding, slope failure, or other activity at the site.

12. The discharger shall notify the Regional Board of any violation of the prohibitions of this Order.

13. All applications, reports, or information submitted to the Executive Officer of this Regional Board shall be signed and certified as follows:

    a. The Report of Waste Discharge shall be signed as follows:

        1. **For a corporation** - by a principal executive officer of at least the level of vice-president;

        2. **For a partnership or sole proprietorship** - by a general partner or the proprietor, respectively;

    b. All other reports required by this Order and other information required by the Executive Officer shall be signed by a person designated in paragraph (a) of this provision, or by a duly authorized representative of that person. An individual is a duly authorized representative only if:

1. The authorization is made in writing, by a person described in paragraph (a) of this provision;

2. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity; and

3. The written authorization is submitted to the Executive Officer.

c. Any person signing a document required by this Order and other information required by the Executive Officer shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

14. The discharger shall submit reports required under this Order and other information requested by the Executive Officer, to:

Executive Officer
California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Blvd., Suite B
San Diego, California 92124-1331

E. NOTIFICATIONS

1. No discharge of waste to the waters of the state, whether or not such discharge is made pursuant to waste discharge requirements, shall create a vested right to continue such discharge. All discharges of waste into waters of the state are privileges, not rights.

2. These requirements have not been officially reviewed by the United States Environmental Protection Agency and are not issued pursuant to Section 402 of the Clean Water Act.

3. The California Water Code provides that any person who intentionally or negligently violates any waste discharge requirements issued, reissued, or amended by this Regional Board is subject to administrative civil liability of up to ten dollars per gallon of waste discharged, or, if no discharge occurs, up to one thousand dollars per day of violation. The Superior Court may impose civil liability of up to ten thousand dollars per day of violation or, if a cleanup and abatement order has been issued, up to fifteen thousand dollars per day of violation.

4. The California Water Code provides that any person failing or refusing to furnish technical or monitoring program reports, as required under this Order, or falsifying any information provided in the monitoring reports is guilty of a misdemeanor and may be subject to administrative civil liability of up to one thousand dollars per day of violation.

I, Arthur L. Coe, Executive Officer, do hereby certify the forgoing is a full true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Diego Region, on April 6, 1992.

Arthur L. Coe
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

MONITORING AND REPORTING PROGRAM NO. 92-14

THE CASTER GROUP
WOODWARD SAND PIT RECLAMATION PROJECT
SAN DIEGO COUNTY

A. RECORDS AND REPORTING:

1. The discharger shall retain records of all load checking monitoring and field load checking assessment inspections, including copies of all reports required by this Order, and records of all data used to complete the application for this Order. Records shall be maintained for a minimum of five years from the date of the measurement, report, or application. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board Executive Officer.

2. The discharger shall submit semi-annual reports. The reports shall include the following information:

   a. An up-to-date site map of scale 1 inch = 100 feet showing: original ground elevation, fill elevation and fill boundaries.

   b. A summary of the load checking daily logs which shall describe the type, quantity and source of fill material discharged, including names of the haulers which transported the material to the site during the reporting period.

   c. The estimated total volume of fill material deposited at the site and the estimated capacity remaining.

   d. A summary of the findings of periodic field inspections conducted by the discharger. The periodic load checking assessment program must document the effectiveness of the load checking program and describe the frequency of site inspections, and type of equipment used to collect field screening measuremonts.

B. REPORTING SCHEDULE

The monitoring reports shall be submitted to the Executive Officer in accordance with the following schedule:

Reporting	Reporting Period	Report Due Date
Semi-annual	January - June	July 30
	July - December	January 30

I, Arthur L. Coe, Executive Officer, do hereby certify the forgoing is a full true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Diego Region, on April 6, 1992.

Arthur L. Coe
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

ADDENDUM NO. 1 TO ORDER NO. 92-14

AN ADDENDUM TRANSFERRING RESPONSIBILITY
FOR ORDER NO. 92-14
FROM
THE CASTER GROUP
TO
LAKESIDE LAND COMPANY
SAN DIEGO COUNTY

The California Regional Water Quality Control Board, San Diego Region, (hereinafter Regional Board), finds that:

1. On April 6, 1992, this Regional Board adopted Order No. 92-14, **"Waste Discharge Requirements for The Caster Group, Woodward Sand Pit Reclamation Project, San Diego County."** Order No. 92-14 established requirements for this disposal of construction debris into an excavated sand pit for reclamation purposes.

2. By letter dated August 27, 1993, J. L. Lester of the Lakeside Land Company notified the Regional Board that the ownership of the Woodward Sand Pit Reclamation Project (and thus the responsibility for compliance with Order No. 92-14) was transferred from The Caster Group to Lakeside Land Company on June 1, 1993.

3. The Regional Board has notified all known interested parties of its intent to modify Order No. 92-14 to reflect the transfer of responsibility for complying with Order No. 92-14.

4. The Regional Board in a public hearing heard and considered all comments pertaining to the modification of Order No. 92-14.

5. This facility is an existing facility and as such is exempt from the provisions of the California Environmental Quality Act, in accordance with Title 14, California Code of Regulations, Article 19, Section 15301.

IT IS HEREBY ORDERED, that Order No. 92-14 is modified as follows:

1. Order No. 92-14 shall henceforth be referred to as, **Waste Discharge Requirements for Lakeside Land Company, Woodward Sand Pit Reclamation Project, San Diego County.**

2. The waste discharge requirements contained in Order No. 92-14 shall be applicable to Lakeside Land Company and shall

remain in full force and effect.

3. The word discharger as it appears in Order No. 92-14 shall hereafter be construed to refer to Lakeside Land Company.

I, Arthur L. Coe, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Addendum adopted by the California Regional Water Quality Control Board, San Diego Region, on October 18, 1993.

ARTHUR L. COE
Executive Officer

RECORD OF MEETING/TELEPHONE CONVERSATION

CHECK APPROPRIATE BOX:

☐ MINUTES OF MEETING H# 060607-002

☒ TELEPHONE CONVERSATION

DATE 6-2-99 TIME 15:05 LOCATION _____

ATTENDEES/AGENCIES REPRESENTED * IT Corp

PHONE NO. (619) 533-7306

☐ PERSON CALLING/(CALLED) Rebecca Lesher

☐ AGENCY REPRESENTED _____

CONVERSATION/MINUTES ** _____

called her back re: disposal of 2 drums (1 soil / 1 water) resulting from well destruction.

~~Based~~ Based on faxed lab results (attached) it is fine to dispose of the contents of the water drums onsite. Pam Villa Clay recommended that the drum of soil & water be emptied in the area of the former treatment cell onsite. Also told Rebecca to cover the drum contents with 2 feet of clean soil.

NAME Melissa Porter

SIGNED _____

AGENCY - COUNTY OF SAN DIEGO, DEPARTMENT OF ENVIRONMENTAL HEALTH

* A sign-in sheet (HM-9048) should be passed around at the beginning of the meet allowing all representatives to sign their name, list the agency they representing, and telephone number.

** Brief summary of subject, agreements, directions, and/or instructions and anyt else pertinent. Use extra sheets as necessary.

INTERNATIONAL TECHNOLOGY CORPORATION

FAX TRANSMITTAL SHEET

DATE: 5-19-99

TO: Pamela Villa-Clay

LOCATION: SAMD FAX NUMBER: 338-2315

REFERENCE: US Borax - Oceanside IT# 06667-002

FROM: Rebecca Lesher

LOCATION: IT - SAN DIEGO FAX NUMBER: (619) 230-8467
TELEPHONE NUMBER: (619) 533-7306

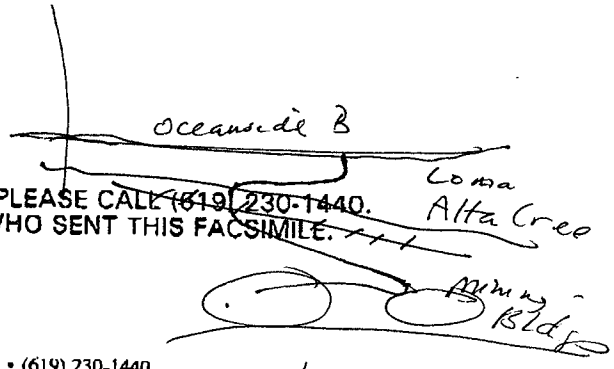
TOTAL NUMBER OF PAGES 6 (Including This Transmittal Sheet).

COMMENTS:

Analytical for soil/decon water for disposal characterization. Can this be left on site or does it need to be disposed at Soil Wash? Please call me when you get a chance. Thanks. Rebecca

↑ N

closed case
non-ben. use area (mun.)



IF YOU DO NOT RECEIVE THE TOTAL NUMBER OF PAGES, PLEASE CALL (619) 230-1440. TELL THE RECEPTIONIST THE NAME OF THE PERSON WHO SENT THIS FACSIMILE.

wants answer this week

SWC bioremediation

Del Mar Analytical

2852 Alton Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-1228
1014 S. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
9484 Chesapeake Dr., Suite 806, San Diego, CA 92123 (619) 505-9596 FAX (619) 505-9689
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (602) 785-0043 FAX (602) 785-0851

IT Corporation
1500 State St, Ste 220
San Diego, CA 92103
Attention: Kyle Rheubottom

Client Project ID: US BORAX 23-100202
Analysis Method: EPA 5030/CA DHS Mod. 8015/8021
First Sample #: CIE00220
QC Batch: IE10G11S

Sampled: May 3, 1999
Received: May 5, 1999
Extracted: May 10, 1999
Analyzed: May 10, 1999
Reported: May 11, 1999

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8021)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
CIE00220	USB-B3-5-Disp	8.0	N.D.	N.D.	0.0060	0.11
Dilution: 1	Reporting Limit:	1.0	0.0050	0.0050	0.0050	0.015
Methd Blank		N.D.	N.D.	N.D.	N.D.	N.D.
Dilution: 1	Reporting Limit:	1.0	0.0050	0.0050	0.0050	0.015

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12. Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1169)

Cynthia E. Olson
Project Manager

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

Del Mar Analytical

2852 Alton Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-122
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-104
16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-184
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (619) 505-9596 FAX (619) 505-956
8630 South 51st St., Suite B-120, Phoenix, AZ 85044 (602) 785-0043 FAX (602) 785-085

IT Corporation
1500 State St, Ste 220
San Diego, CA 92103
Attention: Kyle Rheubottom

Client Project ID: US BORAX 23400202
Analysis Method: EPA 5030/CA DHS Mod. 8015/8021
First Sample #: CIE00221
QC Batch: IE10G11S

Sampled: May 4, 1999
Received: May 5, 1999
Extracted: May 10, 1999
Analyzed: May 10, 1999
Reported: May 11, 1999

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8021)

Laboratory Number	Sample Description Water	Volatile Fuel Hydrocarbons µg/L (ppb)	Benzene µg/L (ppb)	Toluene µg/L (ppb)	Ethyl Benzene µg/L (ppb)	Total Xylenes µg/L (ppb)
CIE00221	**USB-B3-W-Disp**	**100**	**0.37**	**0.49**	**0.84**	**8.0**
Dilution: 1	Reporting Limit:	50	0.30	0.30	0.30	0.60
Method Blank		**N.D.**	**N.D.**	**N.D.**	**N.D.**	**N.D.**
Dilution: 1	Reporting Limit:	50	0.30	0.30	0.30	0.60

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12. Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1169)

Cynthia E. Olson
Project Manager

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16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-184
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (619) 505-9596 FAX (619) 505-965
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (602) 785-0043 FAX (602) 785-088

IT Corporation
1500 State St. Ste 220
San Diego, CA 92103
Attention: Kyle Rheubottom

Client Project ID: US BORAX 23400202
Analysis Method: EPA 3550/CA DHS Mod. 8015
First Sample #: CIE00220
QC Batch: IE11DE1S

Sampled: May 3, 1999
Received: May 5, 1999
Extracted: May 11, 1999
Analyzed: May 14, 1999
Reported: May 18, 1999

EXTRACTABLE FUEL HYDROCARBONS (CA DHS Mod. EPA 8015)

Laboratory Number	Sample Description Soil	Sample Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Hydrocarbon Type
CIE00220	USB-B3-5-Disp	120	10	1.0	C8-C38
Method Blank		N.D.	10	1.0	N.A.

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.
Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1197)

Cynthia E. Olson
Project Manager

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

Del Mar Analytical

2852 Alton Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-122
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-104
16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-184
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (619) 505-9596 FAX (619) 505-956
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (602) 795-0043 FAX (602) 795-005

IT Corporation	Client Project ID: UB BORAX 23-00202	Sampled: May 4, 1999
1500 State St, Ste 220		Received: May 5, 1999
San Diego, CA 92103	Analysis Method: EPA 3510/CA DHS Mod. 8015	Extracted: May 7, 1999
Attention: Kyle Rheubottom	First Sample #: CIE00221	Analyzed: May 10, 1999
	QC Batch: IE07DE1W	Reported: May 11, 1999

EXTRACTABLE FUEL HYDROCARBONS (CA DHS Mod. EPA 8015)

Laboratory Number	Sample Description Water	Sample Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Dilution Factor	Hydrocarbon Type
CIE00221	USB-B3-W-Disp	N.D.	0.50	1.0	N.A.
Method Blank		N.D.	0.50	1.0	N.A.

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40. Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1169)

Cynthia E. Olson
Project Manager

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 495409
Page 1 of 1

Project Name/No. [1] US Borax 23400202
Sample Team Members [2] R. Lasher
Profit Center No. [3] 3755210
Project Manager [4] K. Rhuebottom
Purchase Order No. [6]
Required Report Date [11] normal

Samples Shipment Date [7] 5-5-99
Lab Destination [8] Del Mar Analytical
Lab Contact [9] Jim Hatfield
Project Contact/Phone [12] Kyle 619-533-7335
Carrier/Waybill No. [13] Lab courier

Bill to: [5] IT Corp
1500 State St. Ste. 220
San Diego, CA 92101
attn: Kyle Rhuebottom

Report to: [10] same as above
619-230-8467 fax

ONE CONTAINER PER LINE

Sample Number [14]	Sample Description/Type [15]	Date/Time Collected [16]	Container Type [17]	Sample Volume [18]	Preservative [19]	Requested Testing Program [20]	Condition on Receipt [21]	Disposal Record No. [22]
USB-B3-5-DISP	soil	5/3/99 1600	glass jar	4 oz	chill	(8015) TPH g/d/o & (8021) BTEX		
USB-B3-W-DISP	water	5/4/99 1215	VOA	2x40ml	HCl, chill	↓		
↓	↓	↓	Amber	1L	chill	↓		

COPY

FOR LAB USE ONLY

FOR LAB USE ONLY

Special Instructions: [23]

Possible Hazard Identification: [24]
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: [25]
Return to Client ☐ Disposal by Lab ☒ Archive _____ (mos.)

Turnaround Time Required: [26]
Normal ☒ Rush ☐

QC Level: [27]
I. ☒ II. ☐ III. ☐ Project Specific (specify):

1. Relinquished by [28] (Signature/Affiliation) IT Corp	Date: 5/5/99 Time:	1. Received by [28] (Signature/Affiliation) Andrea Madachle	Date: 5/5/99 Time: 1345
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: [29]

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

05/19/99 WED 11:33 FAX 619 230 8467 IT CORPORATION 008

Ninyo & Moore
Geotechnical and Environmental Sciences Consultants

November 9, 1990
Project No. 101803-01

From Well Permit File

Hydrogeologist
Site Assessment and Mitigation
Environmental Health Services
P.O. Box 85261
San Diego, California 92138-5261

Attention: Mr. Kevin Heaton

Subject: Fulfillment of Well Permit Protocol
and Supplemental Well Permit Application

Dear Kevin:

The attached documents are submitted to supplement and fulfill the conditions of permit No. W91748, approved on October 12, 1990 for the following project:

Property Owner: Woodward Sand Company

Address: Riverside Road
Santee, California

Assessor's Parcel No.: 379-192-15

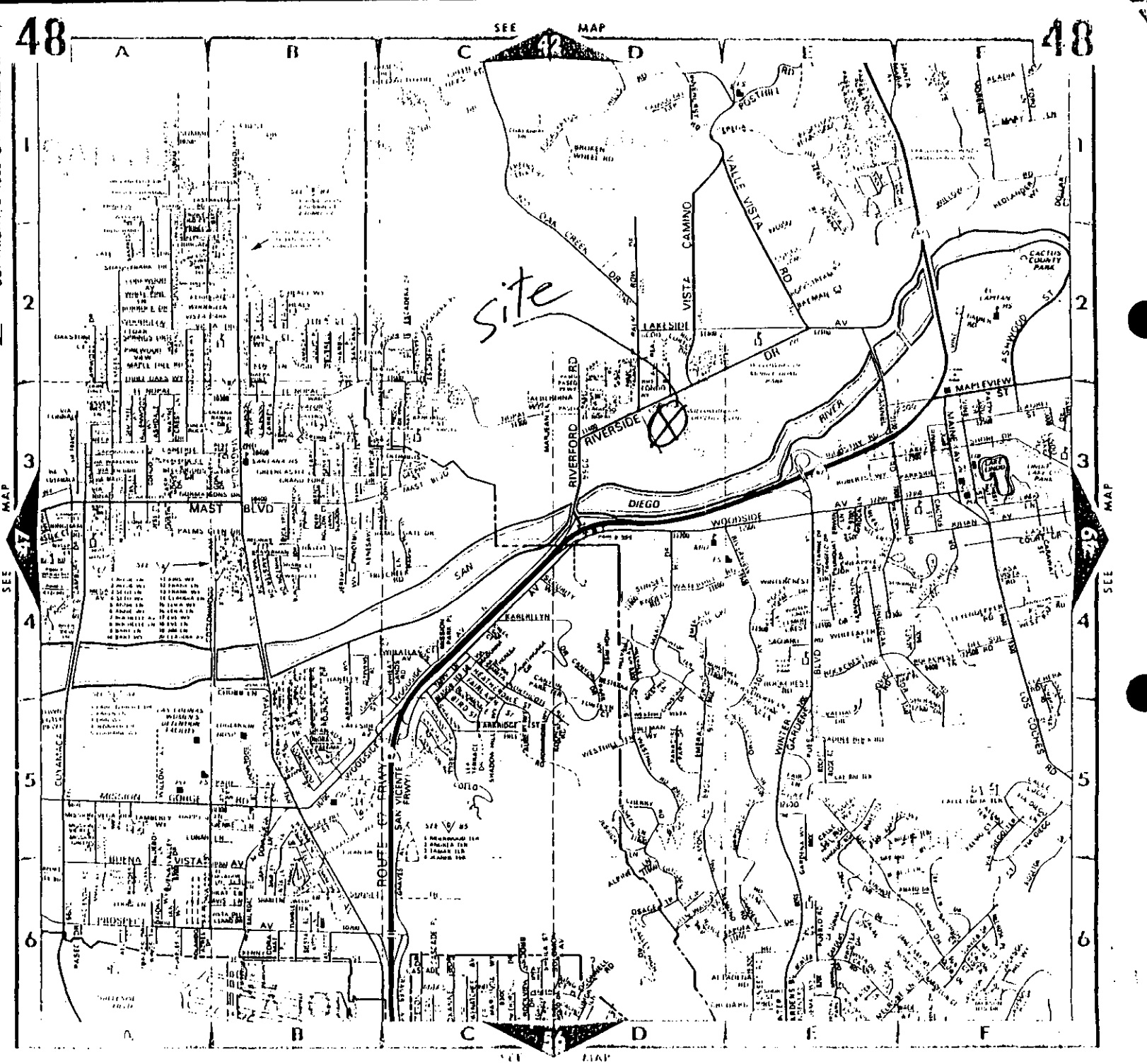
A total of three borings, subject to boring permit application requirements, were drilled on October 18, 1990 at the above location. The attached documents include a supplemental permit application, a check for the two additional borings completed at the site, a plot plan showing the subject property and boring locations, boring logs, and soil laboratory analysis data. If you have any questions regarding this matter, please feel free to contact me.

Respectfully submitted,
NINYO & MOORE

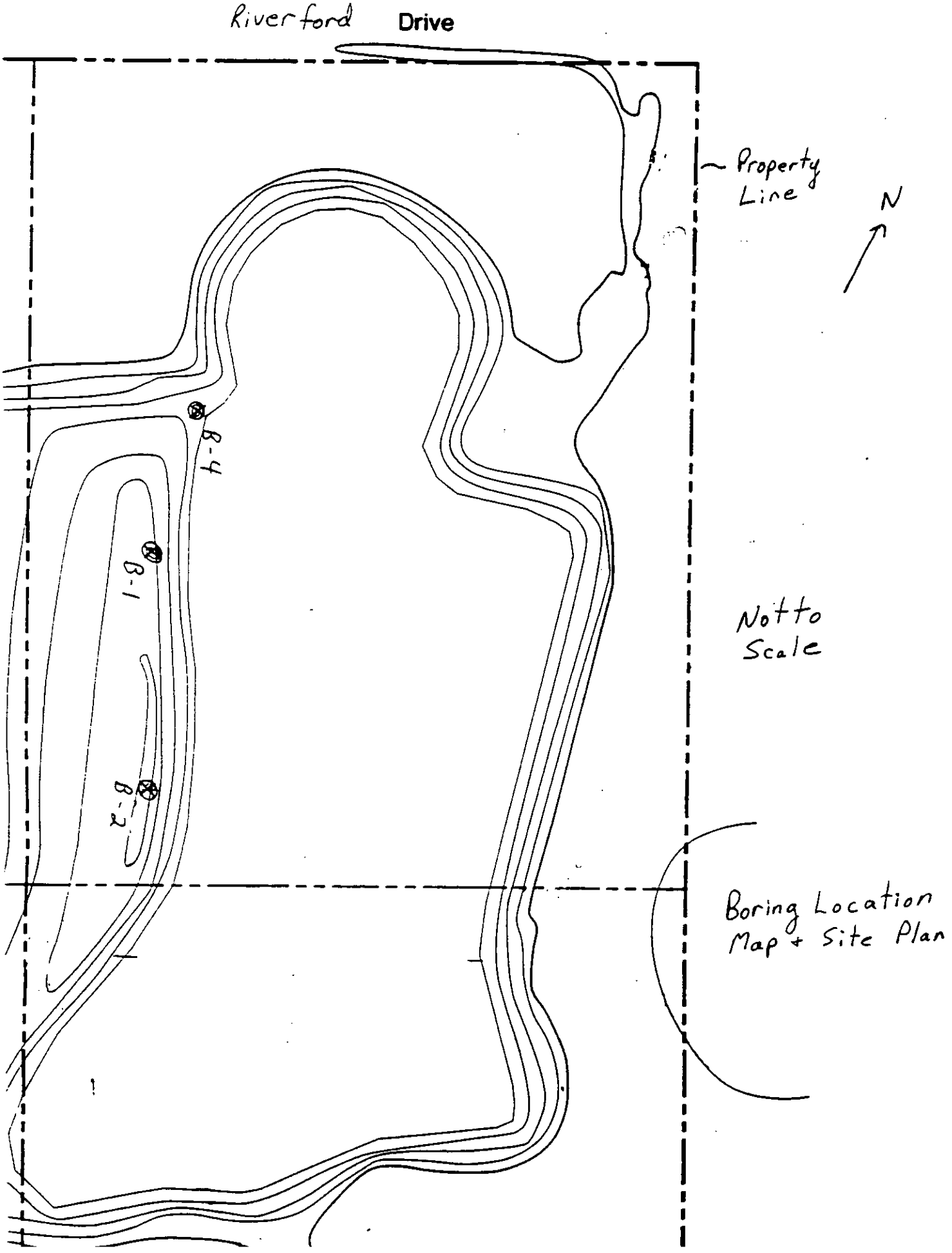
Stephan A. Beck, CEG 1512
Senior Project Environmental Geologist

YRG/SAB/lga

Attachments: Site Location Map
Boring Location Map
Supplemental Well Permit Application
Original Well Permit Application
Boring Logs
Laboratory Analysis Data



N - COPYRIGHT © 1988 BY Thomas Bros Maps


Riverford Drive
Property Line
N
B-4
B-1
B-2
Not to Scale
Boring Location Map + Site Plan

PERMIT APPLICATION FOR GROUND WATER AND VADOSE MONITORING WELLS

APN 379-192-15
H06670
091748

Site Address: Woodward Sand Co., South of Riverside Dr., Santee, CA

Property Owner:
Name Woodward Sand Company Phone - (619) 448-4422
Mailing Address P.O. Box 713070

Driller:
Name F & C DRILLING 7716 CLAIREMONT MESA BLVD. SAN DIEGO, CA 92111 License # 520586 Phone - (619) 279-7005
Mailing Address

Registered Geologist/Engineering Geologist/Civil Engineer (RG/CEG/RCE):
Name Stephan Beck Reg. # 1512 Phone - (619) 457-0400
Mailing Address 6150 Lusk Blvd., Ste. B-200, San Diego, CA 92121

Number of ~~Wells~~ Borings To Be Constructed: 1
$140 fee paid on 10/10/90

Bond Posted By: Driller
Proposed Date of Drilling: 10/15/90

Type of Well:
- ____ Ground Water
- ____ Vadose
- X Other

Drilling Method:
- X Auger
- ____ Mud Rotary
- ____ Air Rotary
- ____ Percussion
- ____ Other ____

Materials To Be Used:
Casing
- Type ____
- Gauge ____
- Diameter ____
- Well Screen Size ____

Seal
- ____ Neat Cement
- X Cement & Bentonite
- ____ Other ____

Gravel Pack
- Specify ____

Proposed Construction:

Cement Seal	2.0'	to	Surface
Bentonite Seal	T.D.	to	2.0'
Gravel Pack		to	
Perforation		to	

Note: For wells with multiple completion attach a well construction diagram.

I hereby agree to comply with all regulations of of Department of Health Services and with all ordinances and laws of the County of San Diego and the State of California pertaining to well construction and destruction.

Gerald P. Ferguson 7-16-90
Driller Signature Date

Disposition of Application
- ✓ Approved
- ____ Denied

Conditions All borings must be destroyed in accordance with DWR Bulletin 74-81 and 74-90. All wash water must be contained and disposed of properly. Submit lab data with logs

Kevin M. Head 10/12/90
Health Officer Date

Within 30 days of well completion, I will furnish the Department of Health Services and the State of California with a complete and accurate well log. I will certify the design and construction of the well in accordance with the permit application.

10/10/90
RG/CEG/RCE Signature Date

DATE DRILLED 10-17-90 BORING NO. B-1

GROUND ELEVATION _____ SHEET 1 OF 2

METHOD OF DRILLING 8" Hollow Stem Auger

DRIVE WEIGHT 140 lbs. DROP 30"

SAMPLED BY YRG LOGGED BY YRG

DEPTH (Feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	CLASSIFICATION U.S.C.S.	DESCRIPTION
0						SM	FILL: Light gray to brown, dry to damp, medium dense, silty SAND.
			28				
						SC	@ 3.0': Dark brown, damp, medium dense, silty, clayey, fine to medium SAND; with pieces of asphalt and gravel up to 1" in diameter.
5			23				
			16				
10							@ 10.0': Same as above with pieces of cloth and plastic.
			6				
			14				
15							
			15				
			19				
20							

Ninyo & Moore

BORING LOG

Woodward Sand Company
Santee, California

PROJECT NO.	DATE	FIGURE
101803-01	11/90	

DATE DRILLED 10-17-90 BORING NO. B-1

GROUND ELEVATION _____ SHEET 2 OF 2

METHOD OF DRILLING 8" Hollow Stem Auger

DRIVE WEIGHT 140 lbs. DROP 30"

SAMPLED BY YRG LOGGED BY YRG

DEPTH (Feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	CLASSIFICATION U.S.C.S.	DESCRIPTION
20			84			SC	FILL (Continued): Dark brown, damp, medium dense, silty, clayey, fine to medium SAND; with pieces of concrete, asphalt and rebar.
						SM	ALLUVIUM: Brown to gray, wet to saturated, dense, silty, fine to medium SAND; with many twigs and roots. @ 24.0': Ground water encountered.
25			11				
			28			ML	@ 27.0': Brown, saturated, stiff, sandy SILT; 3" thick layer
30			16				
			43				
35							Total depth = 33.5'. No caving. Ground water encountered @ 24.0'. Grouted 10-17-90.
40							

Ninyo & Moore

BORING LOG

Woodward Sand Company
Santee, California

PROJECT NO.	DATE	FIGURE
101803-01	11/90	

DATE DRILLED 10-17-90 **BORING NO.** B-2

GROUND ELEVATION _____ SHEET 1 OF 2

METHOD OF DRILLING 8" Hollow Stem Auger

DRIVE WEIGHT 140 lbs. DROP 30"

SAMPLED BY YRG LOGGED BY YRG

DEPTH (Feet)	SAMPLES: Bulk	SAMPLES: Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	CLASSIFICATION U.S.C.S.	DESCRIPTION
0			45			SM	FILL: Light to medium brown, dry to damp, medium dense, gravelly, silty, fine to medium SAND; gravel and pieces of concrete up to 3" in diameter; several pieces of PVC pipe.
							@ 4.0': Dark brown, damp, medium dense, silty SAND; gravel up to 2" in diameter; with pieces of asphalt.
5			34				@ 6.0': Pieces of concrete.
			10				
10			12				@ 12.0': Same as above; pieces of wood and brick.
			13				
15							@ 17.0': Several pieces of concrete and metal.
			25/1"				
20							

Ninyo & Moore

BORING LOG

Woodward Sand Company
Santee, California

PROJECT NO.	DATE	FIGURE
101803-01	11/90	

DATE DRILLED 10-17-90 BORING NO. B-2

GROUND ELEVATION _____ SHEET 2 OF 2

METHOD OF DRILLING 8" Hollow Stem Auger

DRIVE WEIGHT 140 lbs. DROP 30"

SAMPLED BY YRG LOGGED BY YRG

DEPTH (Feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	CLASSIFICATION U.S.C.S.	DESCRIPTION
20		■	56/9"				FILL (Continued): Dark brown, damp, medium dense, silty SAND; pieces of concrete, gravel and brick up to 4" in diameter.
			6				
25		■	17				@ 26.0': Pieces of asphalt.
			34				
30		■	30				@ 33.0': Refusal on concrete.
							Total depth = 33.0'. No caving. No ground water encountered. Grouted 10-17-90.
35							
40							

Ninyo & Moore

BORING LOG

Woodward Sand Company
Santee, California

PROJECT NO.	DATE	FIGURE
101803-01	11/90	

DATE DRILLED 10-18-90 BORING NO. B-4

GROUND ELEVATION _____ SHEET 1 OF 1

METHOD OF DRILLING 8" Hollow Stem Auger

DRIVE WEIGHT 140 lbs. DROP 30"

SAMPLED BY YRG LOGGED BY YRG

DEPTH (Feet)	SAMPLES: Bulk	SAMPLES: Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	CLASSIFICATION U.S.C.S.	DESCRIPTION
0							ALLUVIUM:
						SM	Gray, damp to moist, loose to medium dense, silty, fine SAND; micaceous.
			27				
5							@ 5.0': Layer of fine sandy SILT; 1.0' thick.
			2				
			21				
10							@ 10.0': Same as above.
			13				
			29				
15							
			18				
			48				
20							Total depth = 18.5'. No caving. Ground water encountered @ 5.0'. Grouted 10-18-90.

Ninyo & Moore

BORING LOG

Woodward Sand Company
Santee, California

PROJECT NO.	DATE	FIGURE
101803-01	11/90	

QUALITY ASSURANCE LABORATORY
6555 NANCY RIDGE DR., SUITE 300
SAN DIEGO, CALIFORNIA 92121
(619) 586-1060

NINYO & MOORE
ATTN: STEVE GEYER
6150 LUSK BLVD. STE. B200
SAN DIEGO, CA 92121

DATE OF REPORT	NOVEMBER 1, 1990
DATE RECEIVED	OCTOBER 22, 1990
DATE COMPLETED	OCTOBER 31, 1990
ANALYZED BY	VJ MC GA JM PL
SAMPLE TYPE	10 SOIL
PROJECT NAME	WOODWARD SAND
PROJECT NUMBER	101803-01

ANALYSES RESULTS

LOG NUMBER	SAMPLE ID	ANALYSIS: METHOD: UNITS:	TPH DHS* MG/KG	TRPH EPA 418.1 MG/KG	BENZENE EPA 8020 UG/KG	TOLUENE EPA 8020 UG/KG	ETHYLBENZENE EPA 8020 UG/KG	XYLENE EPA 8020 UG/KG
15628-90	B-1 @ 10.0'		<10.0	1,910				
15630-90	B-1 @ 20.0'		28.7	2,030				
15631-90	B-1 @ 25.0'		<10.0	<10.0				
15634-90	B-2 @ 12.0'		111	3,820	<1.0	12.7	1.2	7.6
15638-90	B-2 @ 32.0'		101	3,710				
15639-90	B-3 @ 10.0'		15.6	4,060				
15642-90	B-4 @ 5.0'		<10.0	44.3				
15645-90	B-8 @ 2.0'		<10.0	44.3				

TPH - TOTAL PETROLEUM HYDROCARBONS

TRPH - TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

* RECOMMENDED PROCEDURE FROM LEAKING UNDERGROUND FUEL TANK FIELD MANUAL, MAY 1988

TOTAL PETROLEUM HYDROCARBON ANALYSES RESULTING IN HYDROCARBONS OF THE RANGE C10 - C23

PETER SHEN
LABORATORY DIRECTOR

PS/at

NOVEMBER 1, 1990

NINYO & MOORE
PRIORITY POLLUTANT - METALS
SAMPLE TYPE - SOIL

ANALYSIS	METHOD	LOG NUMBER: 15627-90 SAMPLE ID: B-1 @ 5.0' UNITS: MG/KG	15641-90 B-3 @ 20.0' MG/KG
ANTIMONY	6010	<2.50	<2.50
ARSENIC	6010	<2.50	<2.50
BERYLLIUM	6010	0.106	<0.050
CADMIUM	6010	<0.400	<0.400
CHROMIUM	6010	7.43	6.67
COPPER	6010	10.6	13.5
LEAD	6010	12.6	<1.25
MERCURY	7471	<0.050	<0.050
NICKEL	6010	4.27	3.92
SELENIUM	6010	<2.50	<2.50
SILVER	6010	10.4	<0.200
THALLIUM	6010	<2.50	<2.50
ZINC	6010	13.0	0.997

PETER SHEN
LABORATORY DIRECTOR

PS/at

CHAIN OF CUSTODY

Laboratory: QA Labs

From: Ninyo & Moore

Project Name: Woodward Sand

Project Number: 101803-01

Sampler Name: York R. Gorzolla

LOG #	SAMPLE ID	SAMPLE DATE	SAMPLE LOCATION	SAMPLE MATRIX	SAMPLE DESCRIPTION	ANALYSIS REQUESTED	COMMENTS
5627	B-1 @ 5.0'	10/17/90	B-1 @ 5.0'	Soil		Priority Pollutants Metals	
5628	B-1 @ 10.0'		@ 10.0'			TPH + TRPH	We also need
5629	B-1 @ 15.0'		@ 15.0'			Hold	to run 8270 on one sample
5630	B-1 @ 20.0'		@ 20.0'			TPH + TRPH	after we receive results;
5631	B-1 @ 25.0'		@ 25.0'			TPH + TRPH	S. please notify
5632	B-1 @ 30.0'		@ 30.0'			Hold	by phone ASAP.
5633	B-2 @ 7.0'		B-2 @ 7.0'			Hold	when results
5634	B-2 @ 12.0'		@ 12.0'			TPH + TRPH	are known.
5635	B-2 @ 17.0'		@ 17.0'			Hold	
5636	B-2 @ 22.0'		@ 22.0'			Hold	Run BTXE
5637	B-2 @ 27.0'		@ 27.0'			Hold	on highest
5638	B-2 @ 32.0'		@ 32.0'			TPH + TRPH	TPH sample
5639	B-3 @ 10.0'		B-3 @ 10.0'			TPH + TRPH	
5640	B-3 @ 15.0'		@ 15.0'			Hold	
5641	B-3 @ 20.0'		@ 20.0'			Priority Pollutant Metals	

NUMBER OF SAMPLES: 20 total

TRANSPORT CONDITIONS: Chilled

PROPER CONTAINER TYPE: Y ☒ N ☐

RELINQUISHED by:	Date/time	RECEIVED by:
York R. Gorzolla	10/22/90	
RELINQUISHED by:	Date/time	RECEIVED by:
RELINQUISHED by:	Date/time	RECEIVED by:
RELINQUISHED by:	Date/time	RECEIVED by:

PLEASE MAIL RESULTS TO:

NINYO & MOORE
6150 LUSK BLVD. SUITE B-200
SAN DIEGO, CA 92121
ATTN: Steven Beck

PHONE (619) 457-0400
FAX (619) 558-1236

CHAIN OF CUSTODY

Laboratory: QA Labs

From: Ninyo & Moore

Project Name: Woodward Sand

Project Number: 101803-01

Sampler Name: York R. Gorzolla

LOG #	SAMPLE ID	SAMPLE DATE	SAMPLE LOCATION	SAMPLE MATRIX	SAMPLE DESCRIPTION	ANALYSIS REQUESTED	COMMENTS
XAL	B-4@5.0'	10/17/90	B-4 @ 5.0'	Soil	TPH+TRPH	TPH + TRPH	
XAL3	B-4@10.0'	↓	@ 10.0'	↓		Hold	
XAL4	B-4@15.0'	↓	@ 15.0'	↓		Hold	
XAL5	B-8@2.0'	10/18/90	B-8 @ 2.0'	↓	TPH+TRPH	TPH + TRPH	
XAL6	B-8@12.0'	↓	@ 12.0'	↓		Hold	
							Run BTXE on highest TPH sample

NUMBER OF SAMPLES: 20 Total

TRANSPORT CONDITIONS: Chilled

PROPER CONTAINER TYPE: Y ☒ N ☐

PLEASE MAIL RESULTS TO:

NINYO & MOORE
6150 LUSK BLVD. SUITE B-200
SAN DIEGO, CA 92121
ATTN: Steve Beck

PHONE (619) 457-0400
FAX (619) 558-1236

RELINQUISHED by:	Date/time	RECEIVED by:
York R. Gorzolla	10/22/90 11:57	
RELINQUISHED by:	Date/time	RECEIVED by:
RELINQUISHED by:	Date/time	RECEIVED by:
RELINQUISHED by:	Date/time	RECEIVED by:

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WATER QUALITY CONTROL BOARD

DRAFT
ENVIRONMENTAL IMPACT REPORT
RECLAMATION PLAN
WOODWARD POND SITE
(RP88-009, Log #88-14-62)

Prepared for:

Woodward Sand Company
c/o Caster Enterprises
4607 Mission Gorge Place
San Diego, California 92120

Prepared by:

Brian F. Mooney Associates
9903-B Businesspark Avenue
San Diego, California 92131

July 1991

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USER'S GUIDE TO THE ENVIRONMENTAL IMPACT REPORT

The California Environmental Quality Act (CEQA) of 1970 requires the preparation of an Environmental Impact Report (EIR) or other environmental analysis for any proposed project which could have one or more significant effects on the environment. The purpose of an EIR is to inform the public and the decision makers about the nature of the project being considered and the extent and kinds of impacts the project and alternative projects may have on the environment if the project is carried out.

Environmental Impact Reports must contain discussions of specific topics as outlined in guidelines for the implementation of CEQA prepared by the State Secretary for Resources. These guidelines are periodically updated to comply with changes in CEQA and court interpretations. This report follows the most recent guidelines and amendments to CEQA. The required sections of the CEQA Guidelines, however, have been rearranged from their traditional order to simplify understanding.

Section 2.0 is a description of the proposed Reclamation Plan, the project's environmental setting, and the background of the proposal. Following these descriptive sections is a focused analysis of each issue which has been identified by letter from the County Department of Planning and Land Use (DPLU) dated March 9, 1989, as having potential environmental effects. Each of these issues include the following headings as required by CEQA: Existing Conditions, Environmental Impacts, and Mitigation Measures. This approach facilitates review of the project by breaking it into its various components. This permits the reader interested in a particular issue, such as biology, to review the existing natural resources and the potential impacts of the project on those resources; the significance of the identified impacts; and, the measures which have been incorporated or recommended to reduce or mitigate the significant effects. A complete list of the subjects discussed is given in the Table of Contents.

The discussion of impacts to specific resources is followed by sections which summarize the environmental impacts of the project, and relate them to a broader view of the project's overall effect, including:

- Alternatives To The Proposed Project
- Effects Found Not To Be Significant
- The Relationship Between Local Short-Term Uses of Man's Environment and the Maintenance And Enhancement of Long-Term Productivity
- Significant Irreversible Environmental Changes Which Would Be Involved in the Proposed Action Should It Be Implemented

The reader is also referred to a previous Environmental Impact Report prepared for a General Plan Amendment (GPA 90-04) and Specific Plan (SP 90-003) which included redevelopment of the project site for industrial and open space uses. This document is on file at the County Department of Planning and Land Use, 5201 Ruffin Road, San Diego, California 92123.

Information contained in the previous EIR is utilized as a data base for this report and may be referenced herein.

The document, entitled Draft Environmental Impact Report, will be made available for review by the public and public agencies for 45 days to critique the EIR and gather additional information not covered here. The Draft EIR will be available for review at the Department of Planning and Land Use and major County libraries.

The Planning and Environmental Review Board (PERB) is responsible for certifying the document as complete and in compliance with CEQA, and will consider the EIR in approving or disapproving the project. Public input is encouraged at public hearings held by PERB and, if appealed, at the Planning Commission, and Board of Supervisors. In the final review of the project, environmental considerations and economic and social factors will be weighed to determine the most appropriate course of action.

SUMMARY

Project Description

This Draft Supplemental Environmental Impact Report (DSEIR) addresses the environmental impacts associated with the implementation of the Woodward Pond Reclamation Plan. The reclamation plan involves partial filling of a 20 acre water filled pit, stabilization of slopes, and ridding the site of derelict machinery and scrap materials. Additionally, the reclamation plan may involve the use of a rock crusher in order to properly compact imported fill. Upon completion of reclamation, the site will be revegetated and subsequently developed according to the aims of the RiverWay Specific Plan. The proposed project site is located in the community of Lakeside, on the southerly side of Riverside Drive approximately 1500 feet easterly of Riverford Road, and within the floodplain of the San Diego River.

Environmental Issues

This DSEIR contains an analysis of the following potential environmental impacts of the proposed project: aesthetics/visual quality, biological resources, grading/groundwater contamination, traffic, noise, and public safety. The following summarizes identified impacts and mitigation measures for the environmental issues discussed in this report.

Aesthetics/Visual Quality

Impacts. Short term adverse visual impacts are expected due to operations by construction equipment and haul trucks involved in site reclamation would be visible from the surrounding area.

Mitigation. The project will remediate an existing highly disturbed visual condition and bring to an end a period of over 20 years during which mining operations were a constant activity on the subject property. The act of reclamation, therefore, mitigates existing visual impacts. Several measures related to the screening of the project site during the filling of the pond are proposed, however. Project operations shall start by filling the area of the ultimate right-of-way for Riverside Drive, including a minimum ten foot wide on-site landscape strip. Chain link fencing proposed for the site shall be installed at the southerly edge of the landscape strip and shall include privacy slats on the side that borders Riverside Drive. The ten-foot wide area between the fence and the ultimate edge right-of-way shall be landscaped in accordance with the landscape plan which accompanies this Reclamation Plan. At all times during project operations, this area shall be adequately watered, weeded, and maintained in a healthy condition, with litter and other debris routinely removed. Temporary erosion control groundcover consisting of a native, nonirrigated hydroseed mix shall be installed between the landscape strip and the edge of the roadway. An eight foot high noise attenuation berm shall be installed along the easterly property line during the site preparation phase and shall be hydroseeded with a non irrigated native and nonnative drought tolerant hydroseed mix.

Biological Resources

Impacts. Implementation of the proposed project would result in the filling of roughly 16.4 acres of the pond. A 3.5 acre lake will be left remaining on site. There are no significant biological resources on-site that will be impacted by the proposed project.

Mitigation. Reclamation of the site in accordance with the RiverWay Specific Plan will mitigate biological impacts associated with the project. Additional mitigation for the loss of wetland habitat will be accomplished through the implementation of flood control and habitat restoration plans of the RiverWay Specific Plan.

Grading/Groundwater Contamination

Impacts. The soil and water samples taken indicate that past fill activities have not resulted in hazardous groundwater conditions which require mitigation. However, continued unmonitored importation of fill as has occurred in the past, could result in significant groundwater and surface water pollution impacts. In addition, the presence of improperly compacted fill, and unsuitable fill material which is difficult to properly compact, does require mitigation for structural stability. Additionally, the continued storage of abandoned underground storage tanks and mechanical equipment on the site is not compatible with long-term maintenance of proper soil and groundwater conditions and could result in significant environmental impacts. Interim storage of operational equipment is possible.

Mitigation. Prior to commencement of any on-site fill operations, including replacement of excavated material, a "Report of Waste Discharge" shall be submitted to the California Regional Water Quality Control Board (RWQCB), and their authorization to proceed with filling shall be obtained. All requirements of the RWQCB shall be complied with, including obtaining a Waste Discharge Permit, if required. At least annually thereafter until completion of filling, a Certification Report which includes a statement that only clean, nonhazardous material is being brought on-site, shall be filed with the RWQCB. The existing pipe that provides access to the San Diego River will be plugged or removed, whichever is deemed best by the RWQCB, in order to prevent the pond water from entering the San Diego River.

All existing unsuitable non-soil or aggregate material shall be removed from the site during the Site Preparation phase of the project. In addition, all past fill material recommended to be excavated shall be inspected by a person representing the soils engineer prior to replacement on-site. Proper supervision and inspections shall be conducted by the appropriate authorities.

Traffic

Impacts. Potential traffic impacts may occur from inadequately controlled ingress and egress from the site, and from use of Riverside Drive to the east. Increased truck traffic on Riverside Drive east of the site would impact a significantly larger residential area and additional intersections. The addition of project generated traffic to the existing circulation does not change the level of service at any of the intersections.

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Mitigation. Although the project will not be significantly impacting the local traffic circulation, it is recommended that some limited widening of northbound Riverford Road be undertaken. All truck traffic shall access the project site via the stop sign controlled intersection at Palm Row Drive and shall use Riverside Drive west of the site and Riverford Road south to Highway 67 only. A sign shall be posted at the exit to Riverside Drive that all truck traffic shall turn left and proceed west to Riverford Road and south to Highway 67 only. Prior to commencement of fill import operations, the sign shall be in place and shall be maintained during the entire period of reclamation satisfactory to the Director of the Department of Planning and Land Use.

Noise

Impacts. The proposed project will generate noise from two sources: Haul trucks arriving and departing from the site via Riverford Road and Riverside Drive; and on-site use of construction equipment to excavate unsuitable fills, place imported fill, and compact the fill material. The equipment to be used on-site may include a rock crusher. Reclamation of the site will be a three phased operation. Phase 2 on-site activities would generate noise levels below 75 dB and, therefore, would require no mitigation. Equipment and trucks operating in Phase 3, in a typical, average spatial configuration are also predicted to produce levels below 75 dB and would not require any mitigation. In a "worst case" equipment configuration in Phase 3, an eastern boundary line L_{eq} of 81.8 dB is predicted, and this would require mitigation.

Noise from truck traffic will primarily impact residential areas located along the north side of Riverside Drive. A few residences also exist along the west side of Riverford Road, near its intersection with Riverside Drive. The Acoustical Analysis evaluated noise impacts based on the increase in heavy truck traffic on Riverside Drive and Riverford Road of 160 one way trips per day. Noise on Riverside Drive would increase by 1.3 dB and Riverford Road would increase noise by 1.2 dB. This increase is not considered to represent a significant noise impact as a result of the project.

Mitigation. Several mitigation alternatives are available for use along the eastern boundary to mitigate the Phase 3 "worst case" configuration. These include an earthen berm, a block, or otherwise solid wall. An eight foot earthen berm is proposed by the project pursuant to an existing agreement with the mobilehome park owner to the east.

Public Safety

Impacts. During daily on-site operations, normal security should insure that unauthorized persons do not come onto the site and injure themselves. During off hours, unauthorized access, particularly by adventurous children or by homeless workers camping on the site, could result in injury and make the area hazardous to public safety.

Mitigation. The impacts to public safety will be mitigated by project design. A six-foot high chain link fence shall be installed and shall encompass all working areas of the proposed project. The fence will be locked during non-operating hours. Upon completion of reclamation, the entire perimeter of the area and any dangerous areas shall remain fenced.

"No Trespassing/Unstable Slopes" signs, in English and Spanish, shall be placed every 100 feet along the fence. Upon completion of reclamation the fence may be removed, except that the Director of the Department of Planning and Land Use may require the fence remain around the remaining pond adjacent to the San Diego River until installation of flood control and habitat restoration improvements in this area have been completed.

2.0 PROJECT DESCRIPTION

2.1 Proposed Project

The proposed project is a Reclamation Plan filed pursuant to the California Surface Mining and Reclamation Act of 1975 (Chapter 9, Public Resources Code, Section 2710 et. seq.), the Extractive Use Regulations of the County Zoning Ordinance (Section 6550 et. seq.), and Chapter 7 of the County Grading Ordinance (Section 87.701 et. seq.). This EIR is accompanied by an Application for Reclamation Plan and a Plot Plan (RP88-009) on file at the County Department of Planning and Land Use (DPLU). The purpose of a Reclamation Plan is stated in Section 87.704 (d) of the Grading Ordinance as follows:

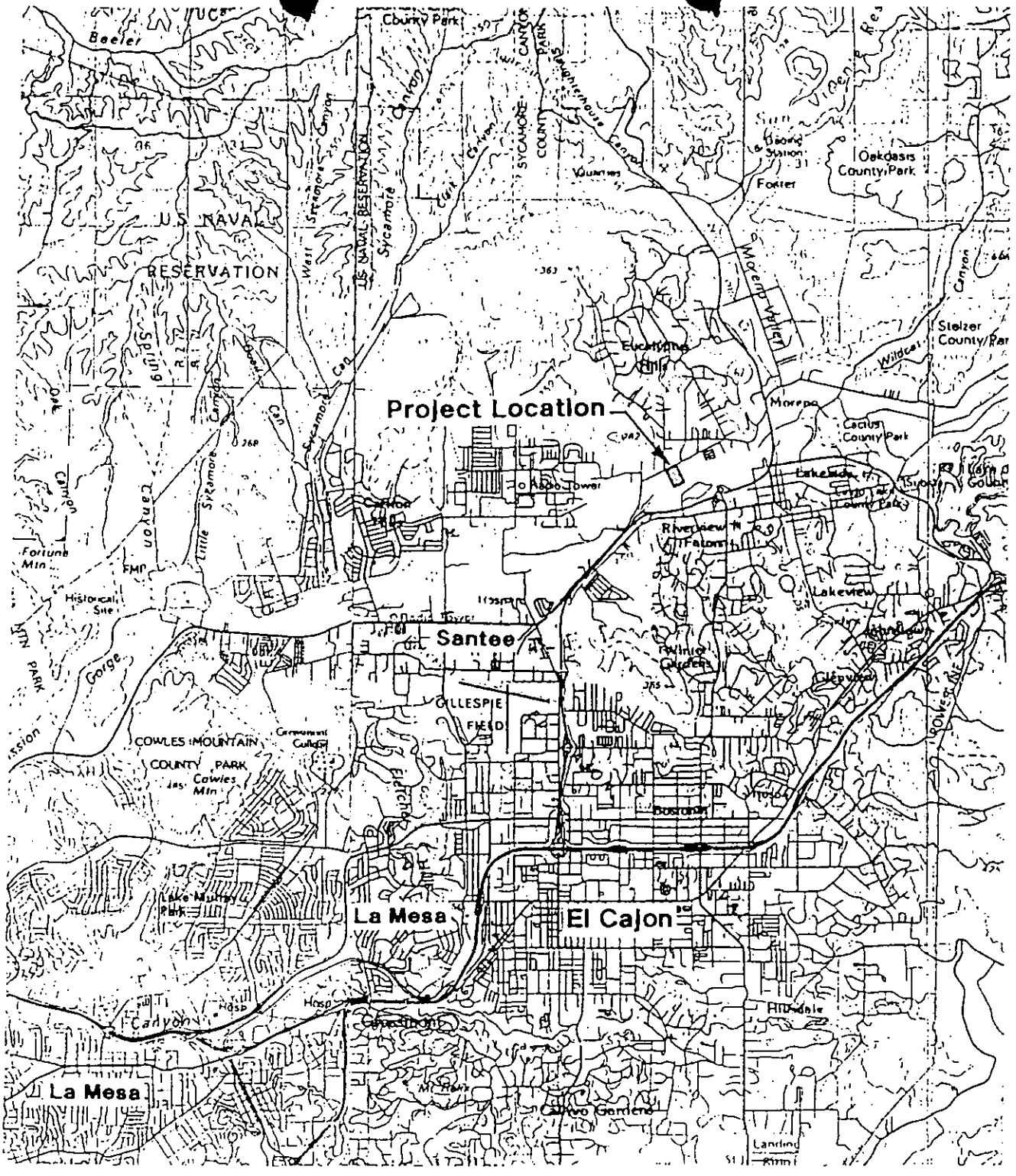
> The reclamation plan shall, in addition to all other requirements, provide for designated phases for the progressive rehabilitation of the mining site land form so that, when reclamation is complete, it will contain stable slopes, be readily adaptable for alternate land uses, and free of derelict machinery, waste materials and scrap. The proposed mining site land form, to the extent reasonable and practical, shall be revegetated for soil stabilization, free of drainage problems, coordinated with present and anticipated future land use, and compatible with the topography and general environment of surrounding property.

2.2 Location and Site Description

The 24-acre project site is located in the community of Lakeside on the southerly side of Riverside Drive approximately 1500 feet easterly of Riverford Road, and within the floodplain of the San Diego River. Past sand extraction activities conducted pursuant to major use permits have resulted in a water-filled pit approximately 20 acres in size, with a typical depth of approximately eight feet. The water level in the pit varies during the year from less than five feet in late summer/early fall, to approximately 12 feet in the winter. A dike separates the pit from the San Diego River, with a pipe connecting the pit to the River, thereby equalizing the water surface elevation on both sides of the dike. This pipe will be plugged. Storm water or irrigation run-off and releases from San Vicente or El Capitan Reservoir upstream will affect the water surface elevation in the pit, as it does the San Diego River. Figures 2.2-1 and 2.2-2 are a Regional Map and a Vicinity Map, and Figure 2.2-3 is an aerial photo taken in January of 1990.

2.3 Background

As noted above, the project has been mined for construction quality sand used in the production of aggregate products since approximately 1982, pursuant to Major Use Permit P82-027, which authorized mining to approximately ten-feet below water level and the creation of the pit which exists today. By 1989, mining of the site had been essentially completed and refilling of the pit was commenced. Figure 2.3-1 illustrates the maximum size of the mined pit pursuant to P82-027, areas where back-filling has occurred, and other physical features of the site.



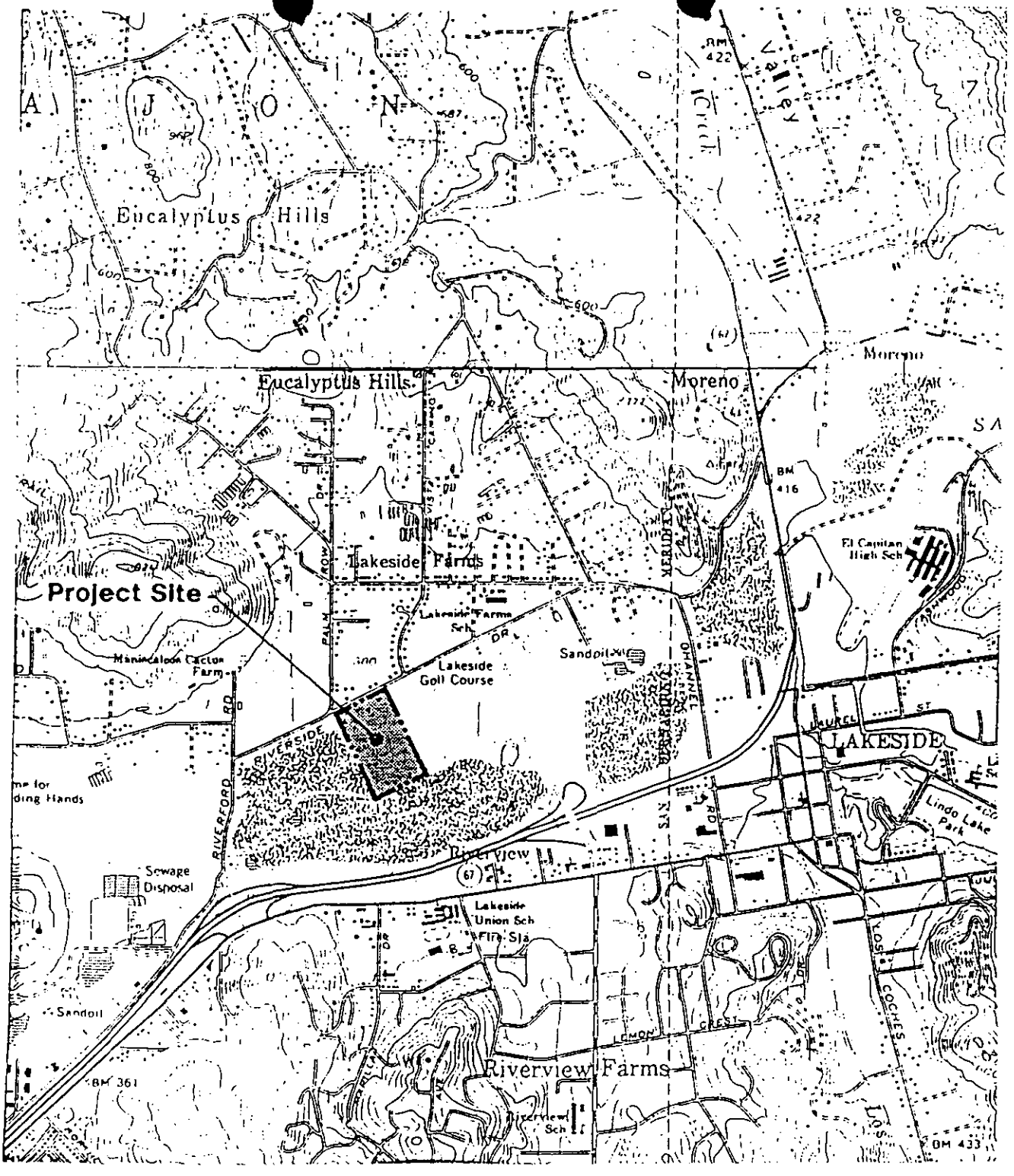
Woodward Pond

Regional Location Map

brian f mooney associates
planning, design & environmental studies

Figure 2.2-1

SOURCE: U.S.G.S. 30' × 60' Quad Map (El Cajon & San Diego)



Woodward Pond

Vicinity Map

Figure 2.2-2

brian f mooney associates
planning, design & environmental studies

SOURCE: U.S.G.S. 7.5' Quad Map (San Vicente Reservoir & El Cajon)



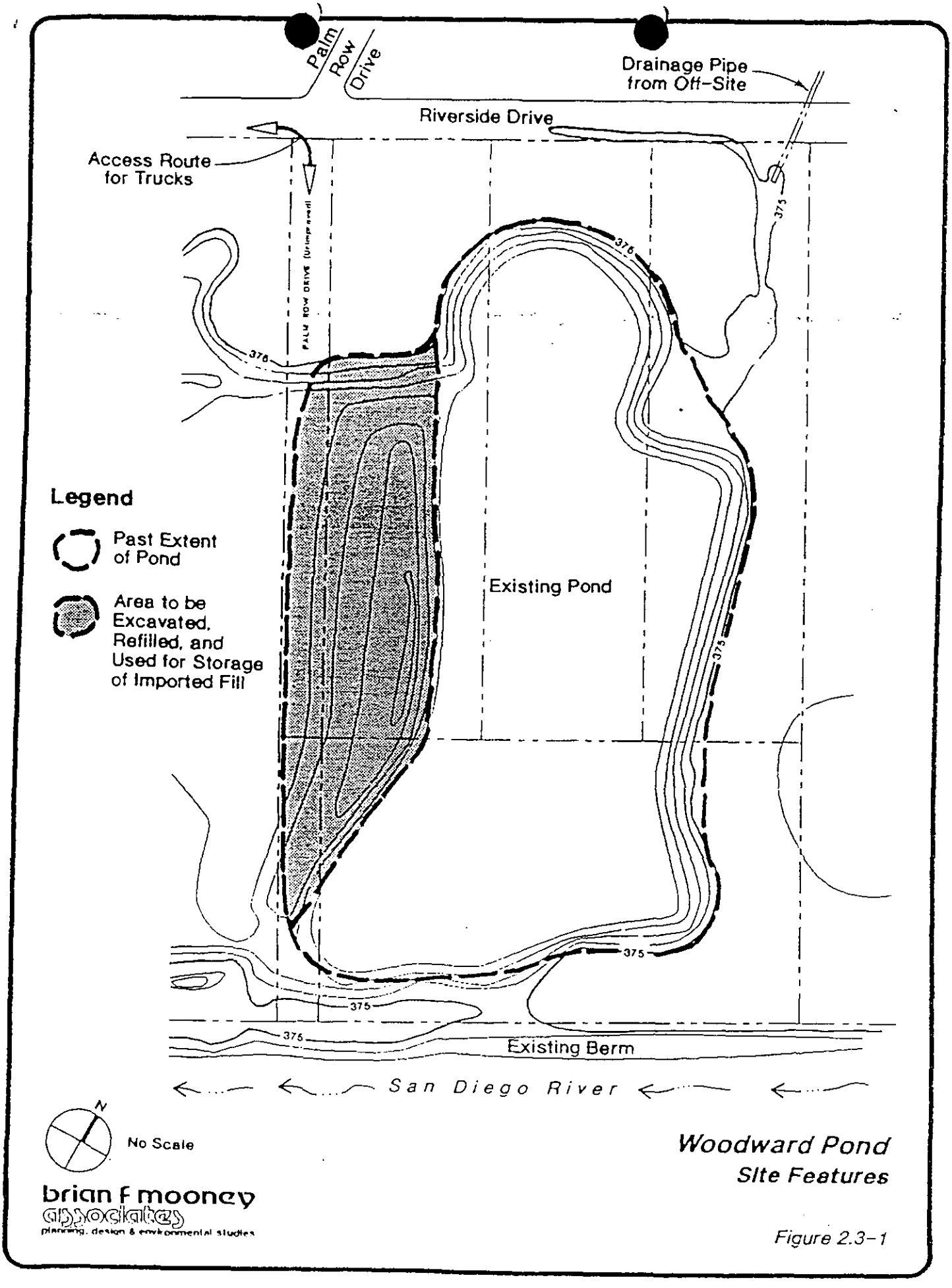
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planning, design & environmental studies

Woodward Pond

Aerial Photo and Site Conditions

Figure 2.2-3

SOURCE: Aerial Fotobank



Woodward Pond
Site Features

brian f mooney associates
planning, design & environmental studies

Figure 2.3-1

Another significant event which has occurred relative to the property and its reclamation, is the establishment of the Upper San Diego River Redevelopment Project pursuant to California Redevelopment Law (Health and Safety Code Section 33000, et. seq.), which encompasses the site and adjacent properties totalling approximately 596 acres. On July 18, 1989, the Redevelopment Agency of the County of San Diego adopted a Redevelopment Plan for the project area. The effect of this action is to redirect future property tax revenue increases ("tax increment") to the Redevelopment Agency to be used to fund projects which improve public facilities and eliminate blighted conditions in the area. Figure 2.3-2 is a map of the Redevelopment Project Area.

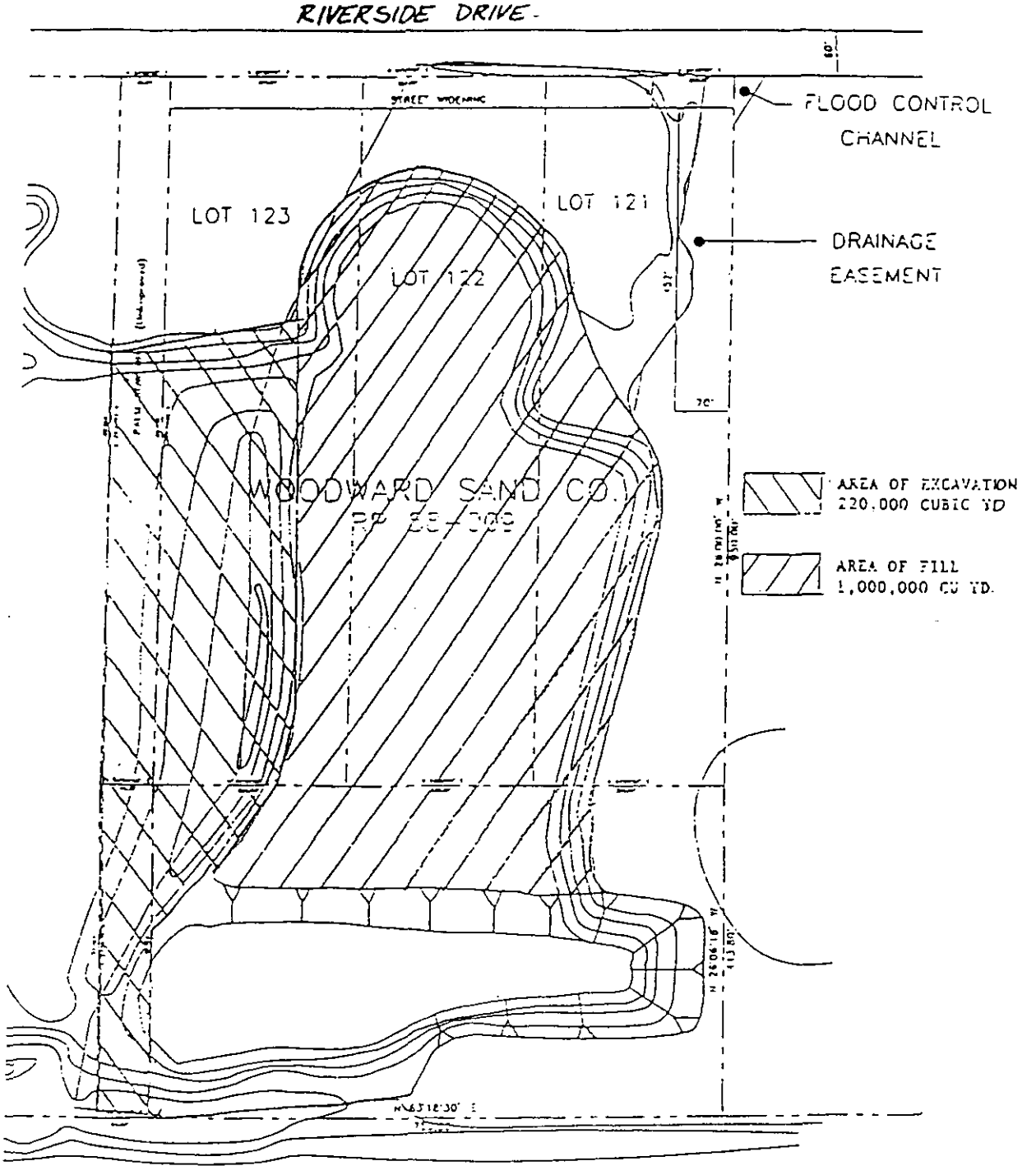
The Redevelopment Agency also directed County staff and a consultant team to evaluate potential changes in land use and other actions which would best accomplish the objectives of the Agency by maximizing tax increment revenue. This study took the form of a Specific Plan addressing land use, circulation, a financing plan for flood control and other public facilities, San Diego River habitat restoration and management, and a market analysis. On March 6, 1991, the County Board of Supervisors approved the plan, known as the RiverWay Specific Plan. The project site is within Planning Areas IX and XX of the Specific Plan as shown on Figure 2.3-3. Area IX is designated "Industrial/Businesspark" and is subject to the Specific Planning Area Use Regulations of the County Zoning Ordinance. Permitted uses are those specified in Section 2522 of the County Zoning Ordinance for the Limited Industrial Use Regulations. Area XX encompasses the Floodway of the San Diego River and is subject to the S80 Open Space Use Regulations (Section 2800 et. seq.). Figure 2.3-4 is a conceptual revegetation plan from the RiverWay Specific Plan which shows a lake, riparian habitat, and buffer areas within the project site. Figure 2.3-5 is a cross-section of this area. The reader is referred to the Specific Plan (SP90-003) and its EIR on file at DPLU.

2.4 Project Operations

Due to past on-site reclamation activities which have resulted in the placement of fill which has not been closely monitored or adequately compacted, a four-phased reclamation plan has been prepared. The initial Site Reconnaissance and Testing phase was conducted during the preparation of this EIR by the geotechnical and environmental consulting firm of Ninyo & Moore. Their report is attached as Appendix B and provides the basis for the analysis and recommendations contained in the Grading/Groundwater Contamination section of this EIR.

2.4.1 Phase 1 - Site Reconnaissance

Ninyo & Moore has conducted a preliminary environmental assessment of the site, including a geotechnical background review, surface water sampling and analysis, subsurface borings and analysis, chemical testing of soil cores, physical testing for soil compaction, and geotechnical data analysis. The result of this phase of work is contained in Appendix B, and includes recommendations for remedial measures to correct existing conditions, and for proper monitoring and placement of new fill.



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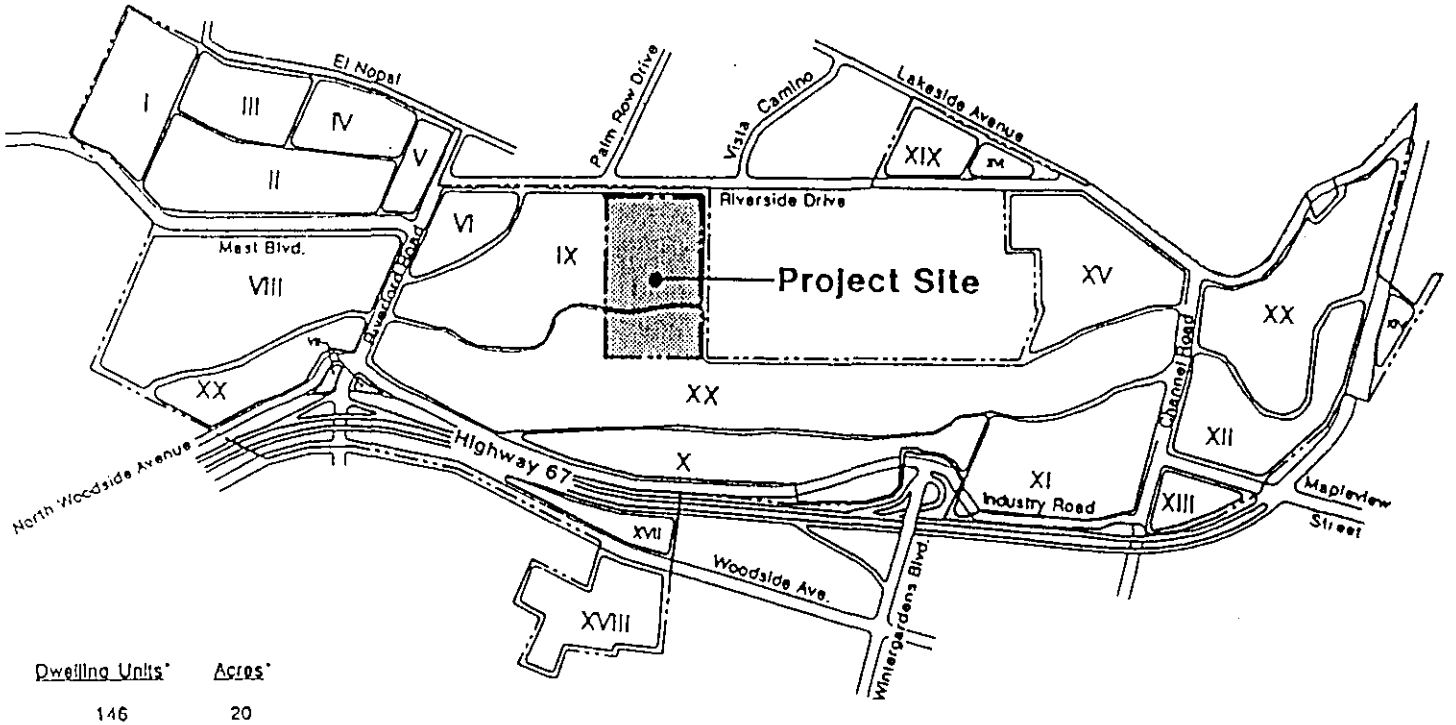
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Woodward Pond
Redevelopment Project Area

Figure 2.3-2

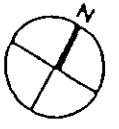
SOURCE: Ninyo and Moore



Proposed Use	Dwelling Units*	Acres*
SF Residential	146	20
SF Residential	205	28
SF Residential	102	14
SF Residential	73	10
Commercial	---	5.5
Commercial	---	10
Commercial	---	1.5
Industrial	---	52
Industrial	---	53
Industrial	---	34
Industrial		34
Industrial		26
Industrial		7
Industrial	---	4
Industrial	---	30
SF Residential	28	4
MF Residential	192	8
School/Fire Station	---	20
School	---	7
Flood Plain	---	155
TOTAL*	746	523

Key

*Approximate
SF - Single Family
VF - Variable Family
MF - Multiple Family



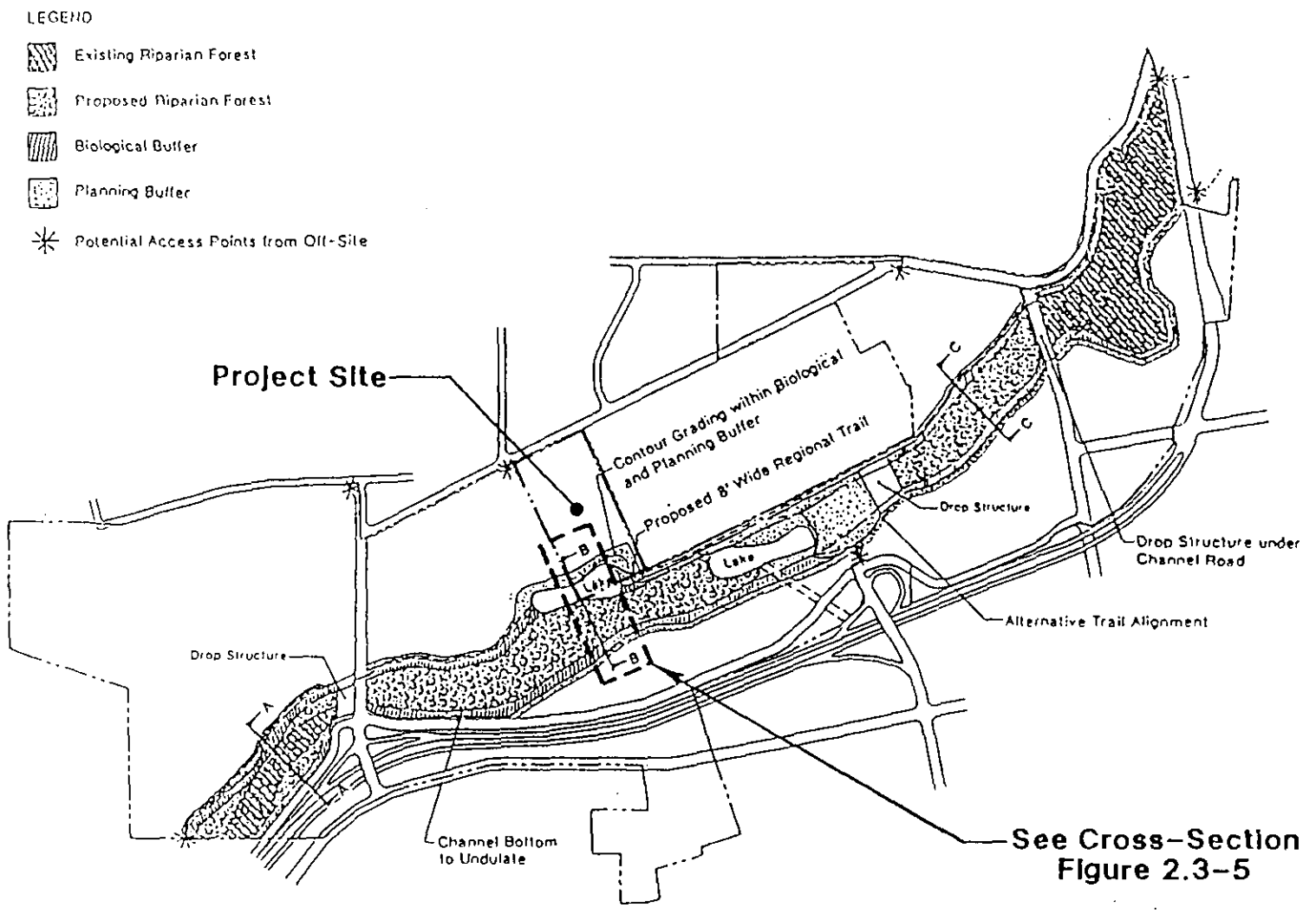
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Woodward Pond

Riverway Land Use Plan

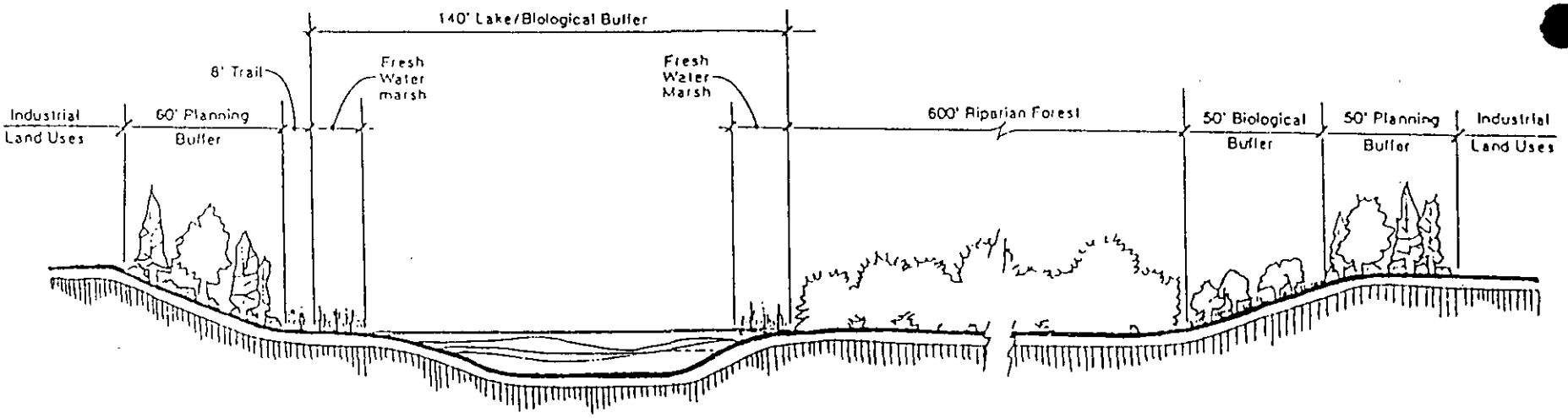
Figure 2.3-3



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Woodward Pond
Conceptual Revegetation Plan

Figure 2.3-4



No Scale

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Woodward Pond

Conceptual Revegetation Plan Cross-Section

Figure 2.3-5

Also during the Site Reconnaissance phase, on February 6, 1991, a meeting was held with Ninyo and Moore staff and Robert Morris, Senior Water Resource Engineer with the California Regional Water Quality Control Board, to determine their requirements for filling of the pond. Mr. Morris stated that a "Report of Waste Discharge" should be filed for their review prior to commencement of filling. Based on that review, they would determine whether a "Waste Discharge Permit" would be required. An annual Certification Report stating that only clean, nonhazardous material is being used for fill would also be required.

2.4.2 Phase 2 - Site Preparation

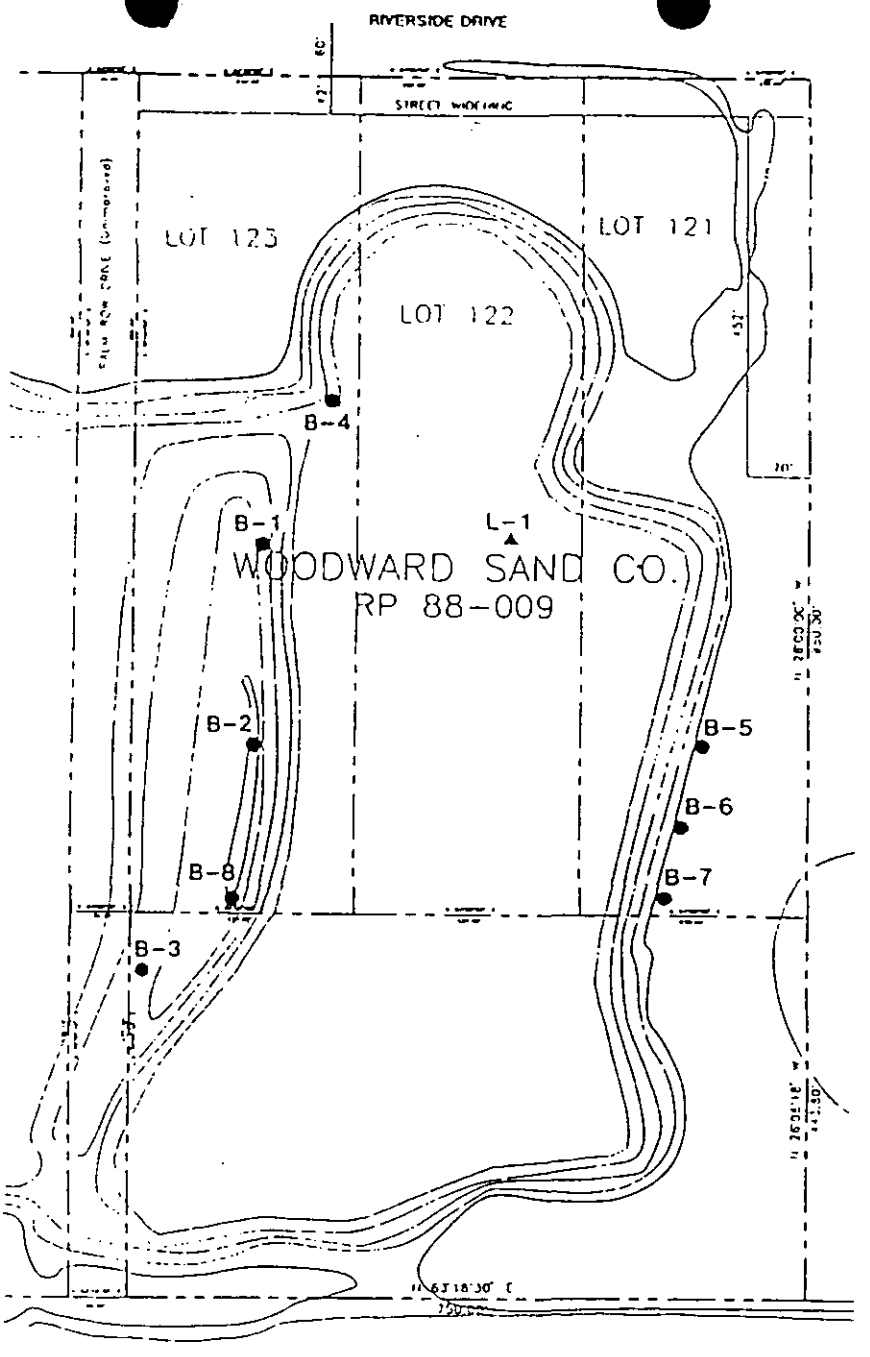
Phase 2 will commence upon approval of the Reclamation Plan by the appropriate County approval body. Prior to any on-site work, applicable conditions of approval will need to be met, including preparation of a detailed landscape plan for approval by DPLU, clearances from DPW, the County Redevelopment Agency, and from other review agencies such as the Regional Water Quality Control Board (RWQCB). Review procedures which may be in place pursuant to the Upper San Diego River Habitat Conservation Plan may also require project approval.

Based on the recommendations of Ninyo & Moore, this phase will include site remediation involving removal of material unsuitable or hazardous for use on-site as fill. Tires, asbestos pipe, and metal tanks will be removed and hauled to an appropriate off-site disposal or recycling facility. Reinforced concrete pipe will either be sold for re-use, or hauled to a rock crushing or recycling plant. In order to assure that the previously-filled westerly portion of the pond is properly compacted, Ninyo & Moore have recommended that this area be excavated and material unsuitable for proper compaction be removed. This area is shown on Figure 2.4-1, and is estimated to involve approximately 220,000 cubic yards of material. This and other remedial work can be accomplished by two track loaders, a front-end loader, a grade-all, a water truck, and approximately 20 one-way trips by haul trucks, and will take approximately six months to complete.

On-site material, which is tested and found to be suitable by a registered civil engineer, will be used to create a levee at the approximate edge of the ultimate San Diego River Floodway per the Specific Plan so that the pond area north of the levee can be made suitable for backfilling. Existing drainage culverts which empty into the site in the northeast corner will be controlled by a temporary open graded channel so that drainage is directed into the smaller pond south of the levee. A Registered Civil Engineer will prepare plans for approval by the County DPW for this temporary condition and for the ultimate construction of an underground channel to be installed as site filling progresses.

An eight-foot high earth berm will also be constructed adjacent to the planned mobilehome park along the east property line, and will be landscaped for erosion control.

A six-foot high chain link fence will also be installed to encompass the entire working area of the project.



Legend

B-8 ● Approximate Location of Exploratory Boring

L-1 ▲ Approximate Location of Water Sample

——- - - - Property Boundary

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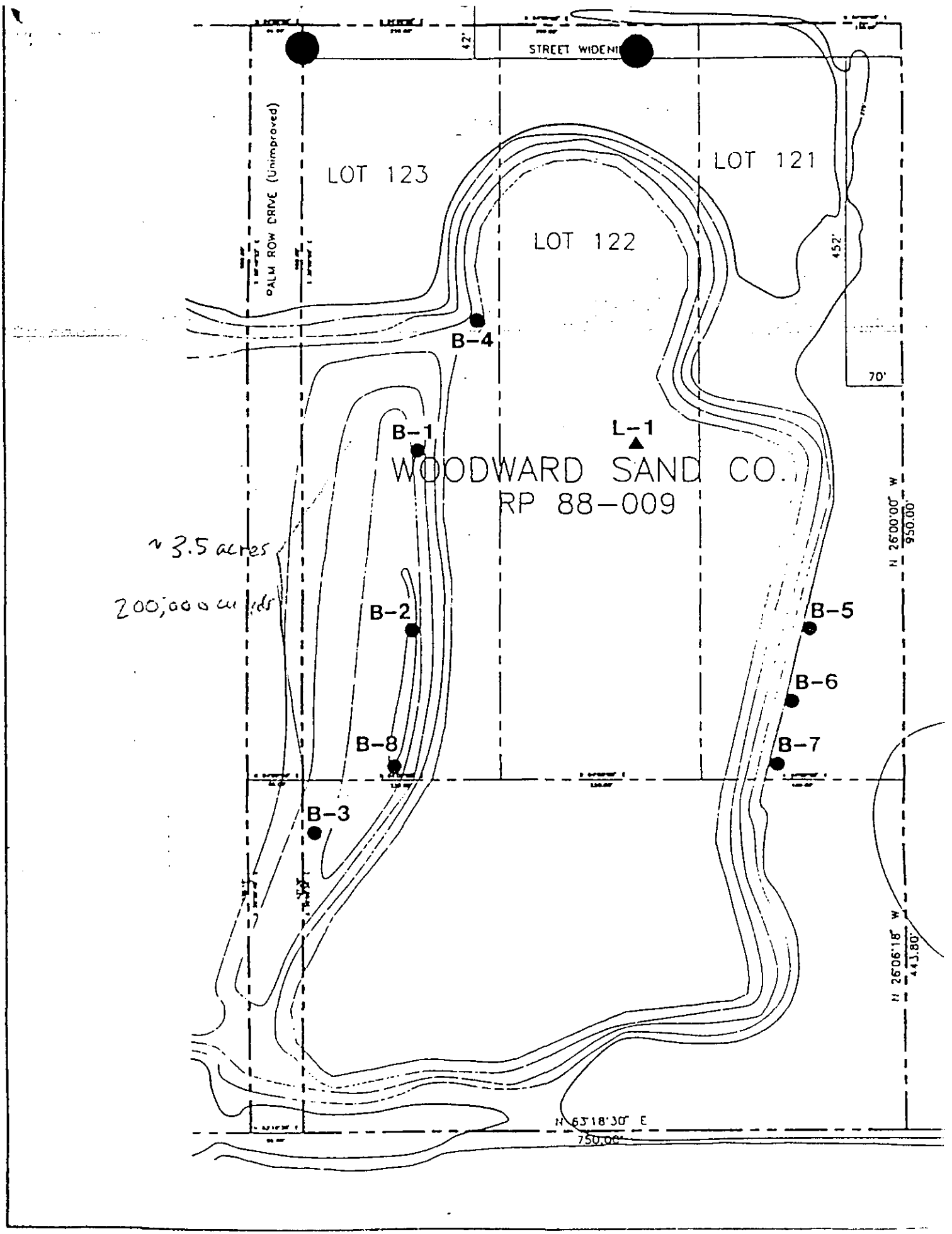
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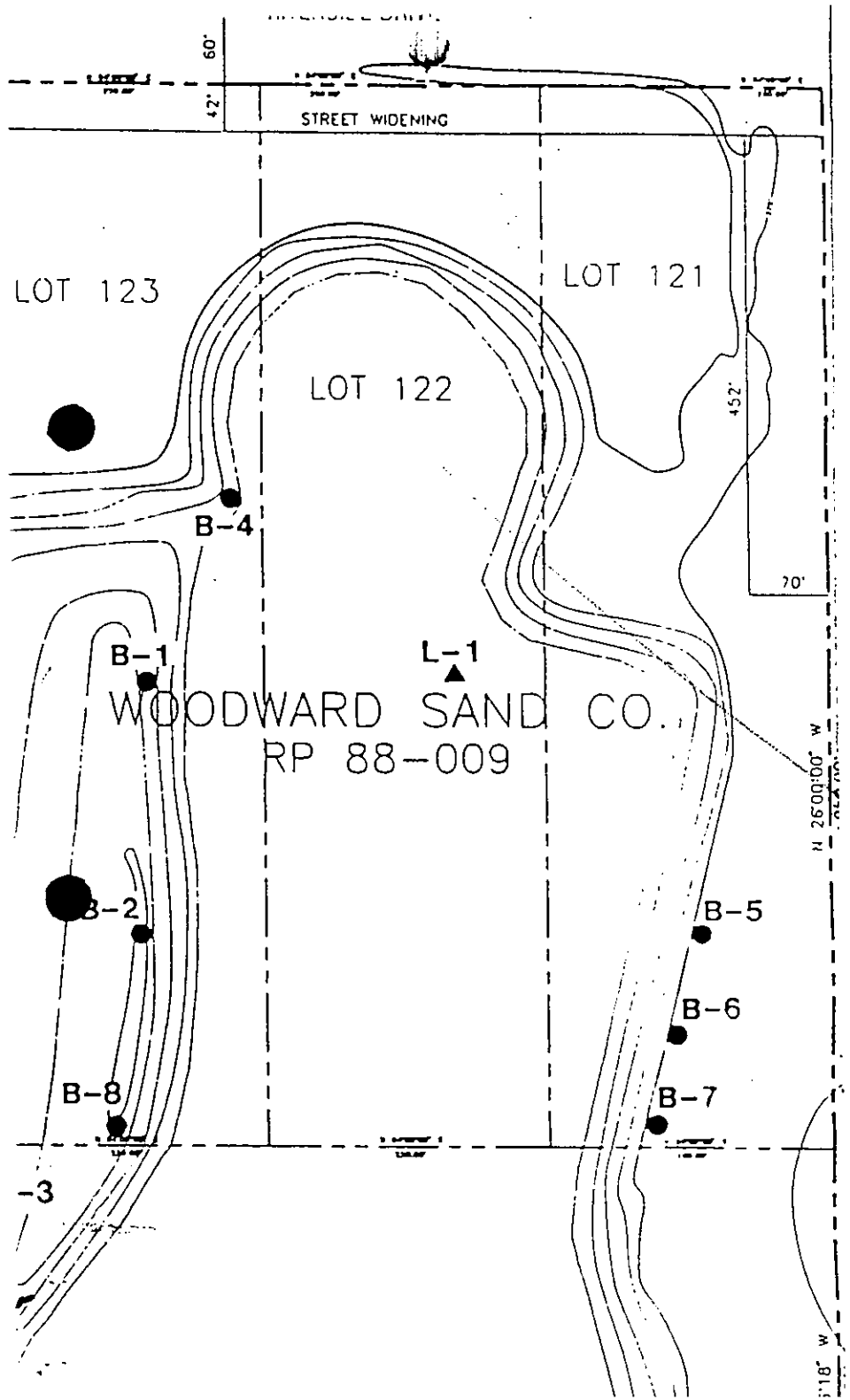
Woodward Pond

Boring Locations

Figure 2.4-1

SOURCE: Ninyo and Moore


STREET WIDENI
42'
PALM ROW DRIVE (Unimproved)
LOT 123
LOT 121
LOT 122
452'
70'
B-4
B-1
L-1
WOODWARD SAND CO.
RP 88-009
~3.5 acres
200,000 cu yds
B-2
B-5
B-6
B-8
B-7
B-3
N 26°00'00" W
950.00'
N 26°06'18" W
443.80'
N 63°18'30" E
750.00'



NORTH

LEGEND

B-8 ● Approximate location of exploratory boring

L-1 ▲ Approximate location of water sample

— — — Property boundary

2.4.3 Phase 3 - Site Reclamation

This phase will involve the progressive backfilling of the northerly pit proceeding from northeast to southwest. This is illustrated on the fold-out map. The northeast to southwest progression is intended to move construction activities away from the mobilehome park which is planned adjacent to the northeast. A load dumping area will be created along the westerly property boundary where backfill material will be checked prior to acceptance in accordance with a load checking program to be monitored by a registered civil engineer. It should be emphasized that the current plan is not finalized and is subject to change. The conditions on site at the time that the reclamation process is initiated will dictate in which direction reclamation activities will proceed. The registered civil engineer will give directions depending on the site conditions at the time.

Approximately 1,000,000 cubic yards of fill will be needed to complete reclamation activities. The applicant has estimated that this could take five to seven years, with five years being the most likely time period. For purposes of the EIR, "worst case" traffic and noise impacts would result from a five year period for Phase 3. Based on weather conditions, labor or material shortages, and other unforseen events, fill operations are expected to be conducted six days per week (Monday through Saturday), 40 weeks per year. Most material will be brought on-site by 12 cubic yard haul trucks; therefore, in order to complete fill operations in five years (i.e., 1,200 days), approximately 83,333 round trips will be required. The use of a rock crusher may be necessary in order to ensure that the imported fill material will be properly compacted before it is used. The proposed rock crushing operations may utilize two standard cone crushers, one short head crusher, belt conveyors, three 8' by 20' triple-deck screens, one 980 front end loader, and haul trucks.

Material will be placed and compacted per specifications of a registered civil engineer. A D-9 Cat Track Dozer will operate ten hours a day either placing fill or compacting it by pulling a sheeps-foot roller. A water truck will make four passes a day in fill areas, dump areas, and haul routes for dust control. On-site operations will be conducted between 7:00 a.m. and 5:00 p.m., Monday through Saturday.

Once the fill has reached the levee, the final floodway slope will be established and compacted pursuant to plans prepared by a Registered Civil Engineer and approved by DPW and DPLU (including County Redevelopment Agency staff). The remaining pond will be left to flood control channel improvements. The remaining dike between the pond and the riverbed to the south is not proposed at this time to be removed except pursuant to an "Owner Participation Agreement" between Woodward Sand Company and the Redevelopment Agency as provided in Sections 506 and 507 of the Redevelopment Plan. Removal of the dike will impact other properties and will need to be part of a comprehensive flood channel improvement plan approved by the Agency and DPW. Such a plan is beyond the scope of Woodward reclamation activities.

inspected by DPW staff. Landscaping and fencing will be installed for the final site conditions as shown conceptually on the fold-out map. A landscape architect will certify the installation of all landscaping and walls per the approved landscape plan, and verify the operation condition of the irrigation system. All mining and reclamation equipment and facilities will be removed from the site.

Further use of the site shall be in accordance with an "Owner Participation Agreement" between the property owner and the Redevelopment Agency, and in accordance with zoning regulations and other ordinances affecting the property. An "Owner Participation Agreement" may be granted by the Agency for portions of the site where reclamation activities have been completed to the satisfaction of DPLU and other review agencies.

3.0 ENVIRONMENTAL ANALYSIS

3.1 AESTHETICS/VISUAL QUALITY

3.1.1 Existing Conditions

The proposed project site encompasses twenty-four acres consisting of six lots within the RiverWay Specific Planning Area. The project site consists mainly of a large open mined pit approximately 30 feet deep which has exposed ground water forming a pond. A small amount of vegetation surrounds the pond and consists of native and ornamental trees, shrubs, and non native grasses left from the previous mining operations at this location. Existing visual disruptions to the area include the land uses that surround the site, concrete pipes, large liquid holding tanks and old, partially dismantled construction equipment.

3.1.1.1 Land Use

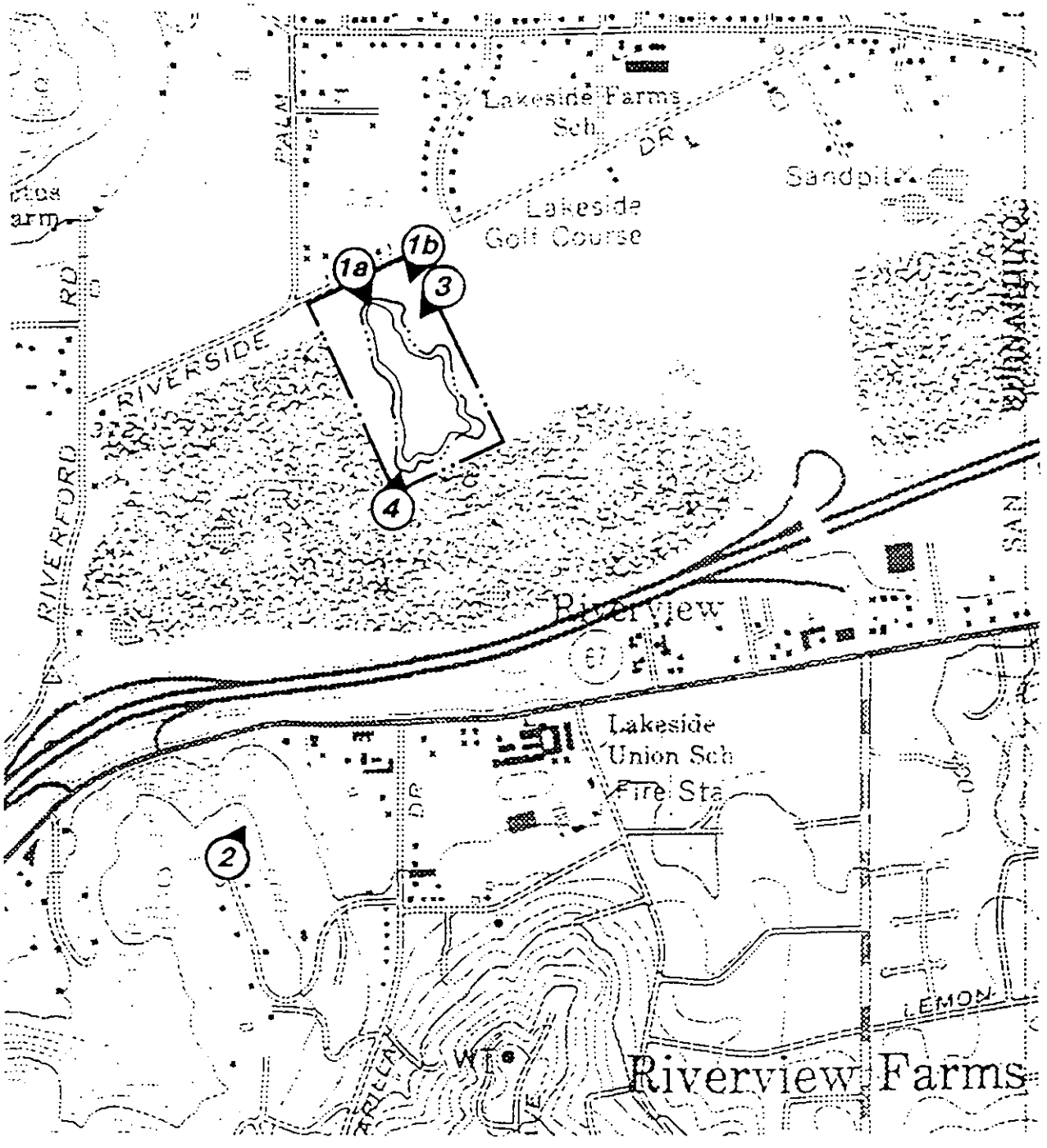
The surrounding area is best characterized as urban residential development to the north, with extractive and sand processing activities in evidence to the south and west. Commercial uses to the north are a 7-11, a liquor/deli, and a child day care center. To the east is a golf course and a mobile home park, which is currently under construction. To the south is the San Diego River.

3.1.1.2 Visibility

The following discussion is augmented with panoramic photographs of the site. The locations from which these photographs were taken are indicated on Figure 3.1-1. Woodward pond is located within the upper San Diego River and is visible from any of the surrounding higher elevational areas, at an approximate distance of up to one and one-half miles. Views from the surrounding area are limited to higher elevations or along Riverside Drive. Views of the site from Riverside Drive, which adjoins the northern project boundary, are unobstructed (Vantage Points 1A and 1B) (Figure 3.1-2). The site is visible from the higher elevation residential area south of Highway 67 along Sunset Knolls Road (Vantage Point 2) shown on Figure 3.1-3. From the east, the site is visible from the golf course and future mobile home park (Vantage Point 3) shown on Figure 3.1-4. Figure 3.1-5 depicts the view from the southwest corner of the site looking northeast (Vantage Point 4).

3.1.1.3 Scenic Qualities

Scenic qualities of the project site must be considered in context with the surrounding area which includes commercial and residential uses, mining operations, and the San Diego River. Some natural vegetation exists to the west and south of the site. The natural vegetation consists of riparian forest off to the south, and willow scrub to the west. All of the San Diego River in this area has been mined for sand. The visual backdrop consists of hillsides to the north and south which have non-native grasses covering them as well as residential homes along the ridgeline of the hills to the south.



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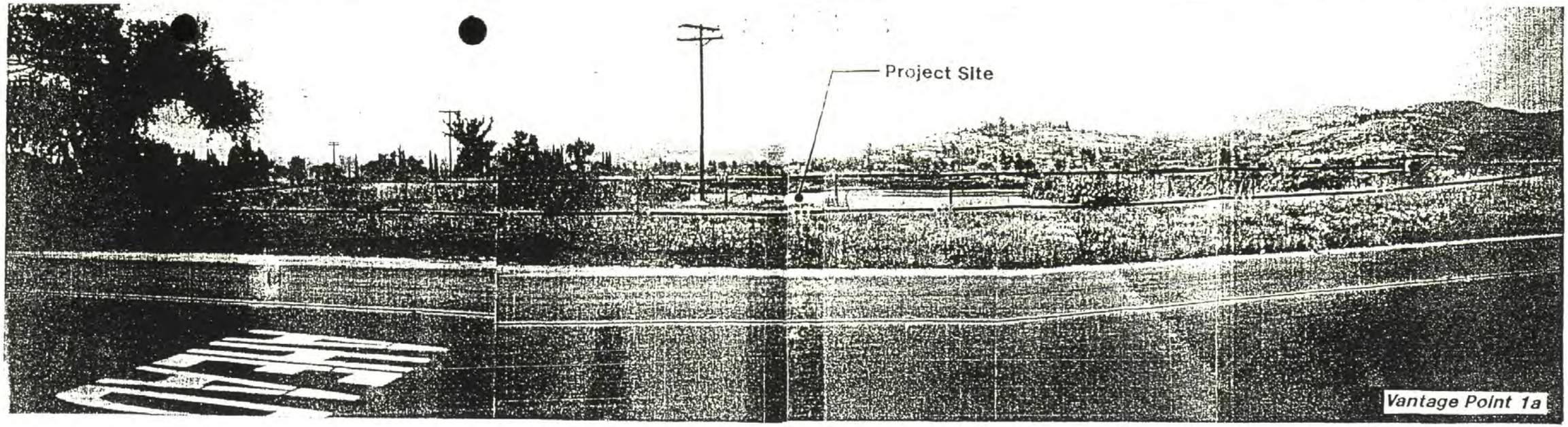
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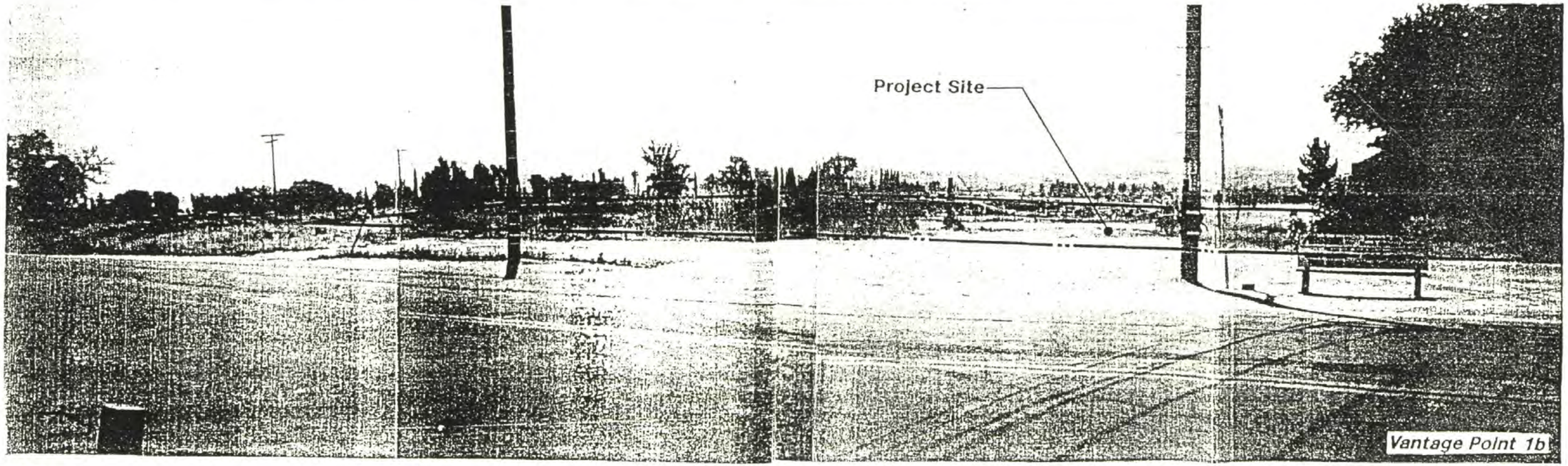
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Woodward Pond

Vantage Point Locations

Figure 3.1-1



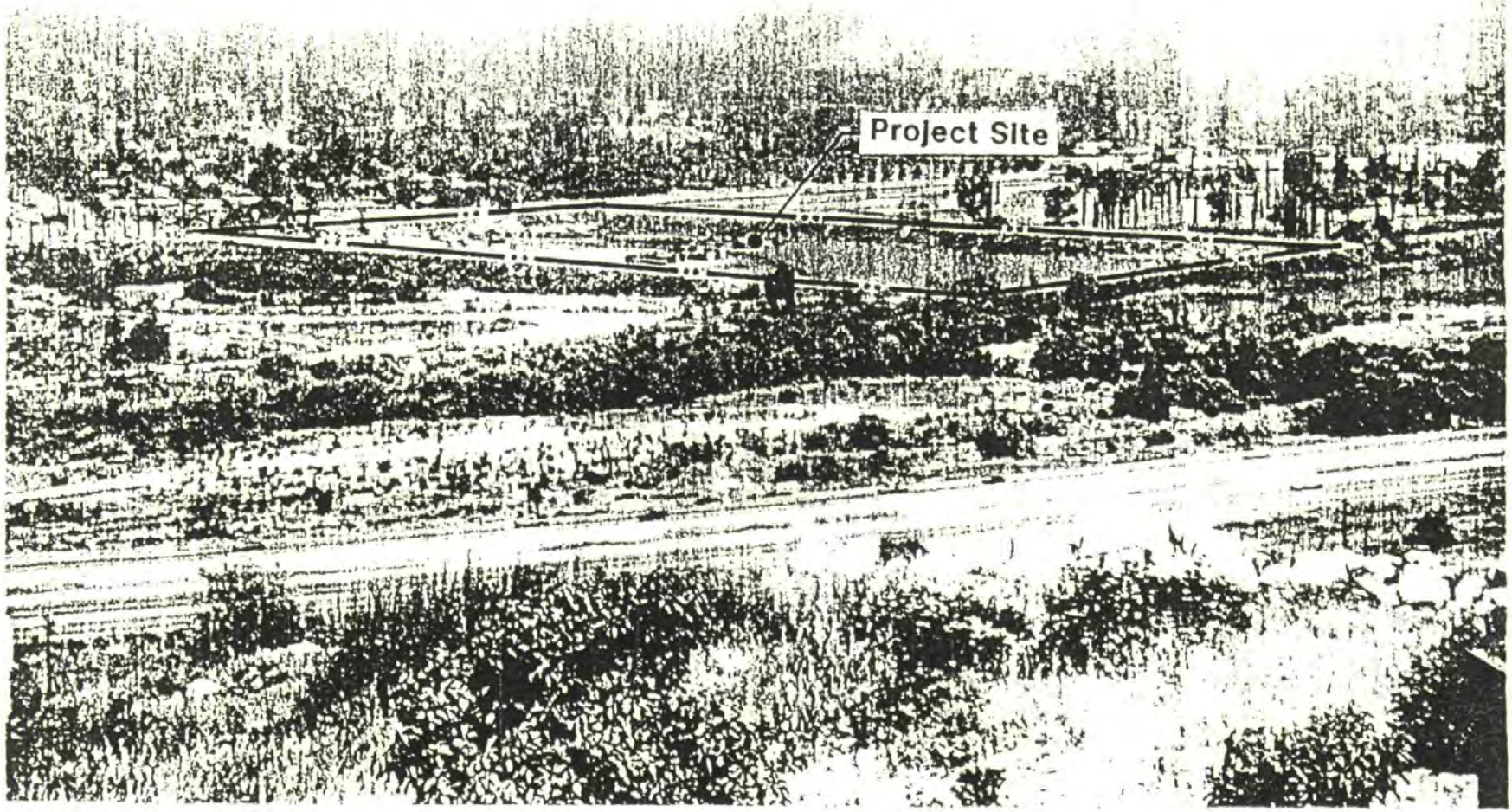


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Woodward Pond

Views from Riverside Drive
Vantage Point 1

Figure 3.1-2

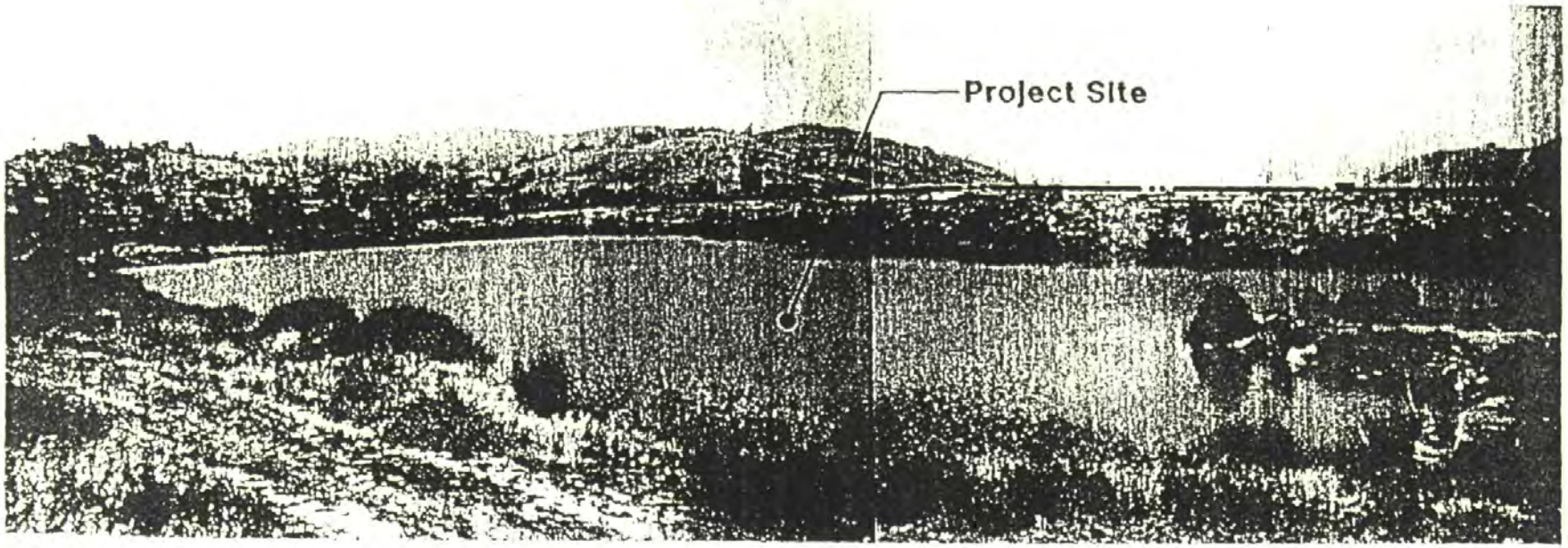


Woodward Pond

View from the South
Vantage Point 2

Figure 3.1-3

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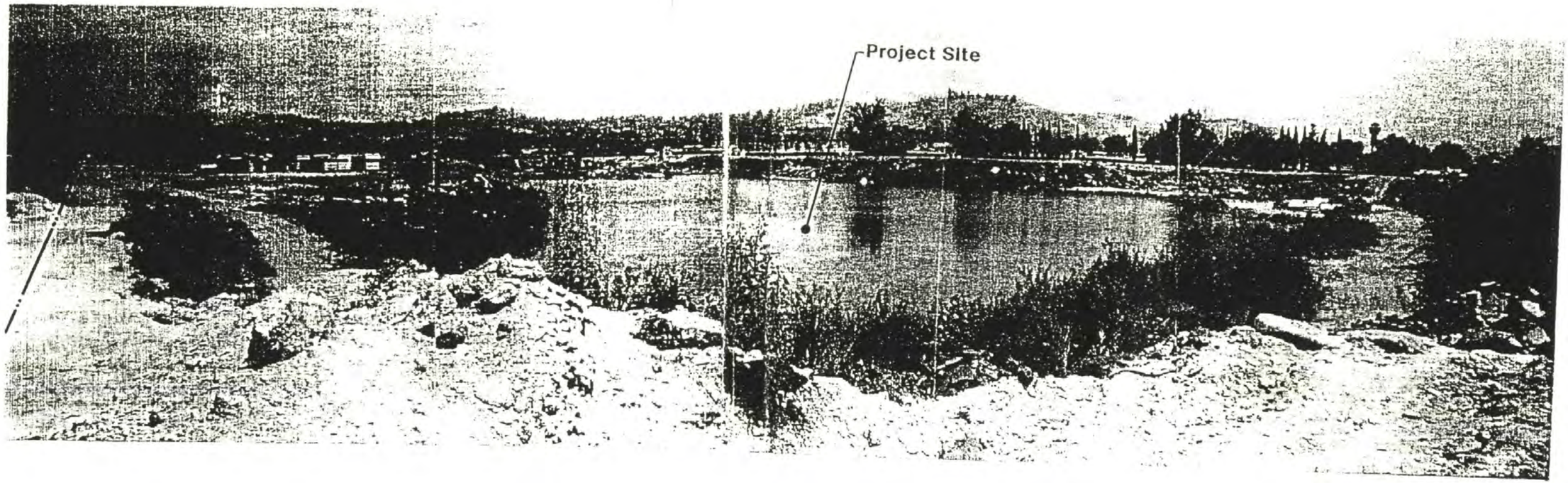


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View from the Mobile Home Park
Vantage Point 3

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Figure 3.1-4



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Woodward Pond

View from the Southwest Corner of the Site
Vantage Point 4

Figure 3.1–5

Ninyo & Moore
Geotechnical and Environmental Sciences Consultants

ENVIRONMENTAL SITE ASSESSMENT REPORT FOR WOODWARD SAND COMPANY LAKESIDE, CALIFORNIA

Prepared for:

Woodward Sand Company
Riverside Drive
Lakeside, California

January 11, 1991
Project No. 101803-01

6150 Lusk Boulevard · Suite B-200 · San Diego, California · 92121 · Phone (619) 457-0400 Fax (619) 558-1236

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Figure 2 - Boring Location Map

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Appendix A - Boring Logs
Appendix B - Laboratory Reports/Chain-of-Custody

1.0 SUMMARY

Woodward Sand Company has requested that a preliminary environmental site assessment, including soil borings and chemical analysis, be performed on a 24-acre parcel located in Lakeside, California (Figure 1). The purpose of this investigation was to: a) evaluate if there are any current on-site activities involving hazardous substances, and b) evaluate the presence of specific potential soil and water contaminants at the site.

The scope of this investigation included visual observations, review of site maps and aerial photographs, a regulatory agency records review, drilling and sampling eight exploratory soil borings, and limited chemical analyses of soil and water samples.

Results of our limited soil and water sampling and analysis indicate that elevated concentrations of high molecular weight petroleum hydrocarbons, as well as an abundance of reinforced concrete, asphalt, transite pipe and scrap metal, are present in the fill soil at the site. The severity and distribution of high molecular weight petroleum hydrocarbons in the soil suggests that the imported soils used for fill at the site may have contained these petroleum hydrocarbons, possibly in the form of asphalt.

2.0 INTRODUCTION

A preliminary environmental site assessment was performed at the request of Woodward Sand Company on a 24-acre parcel located in Lakeside, California. The following sections provide a qualitative preliminary environmental site assessment of the subject property, which includes a review and evaluation of regulatory agency records, a subsurface investigation and limited chemical analysis of soil and water samples obtained at the subject site.

3.0 GENERAL SITE DESCRIPTION

The subject site consists of a 24-acre parcel located south of Riverside Road and north of the San Diego River (Figure 1). The site, currently owned by Woodward Sand Company, has historically been used for sand mining. A water-filled pit was created by the mining operation in the center of the property and the east, west and south pond perimeter has been backfilled with structure/road demolition debris and associated soil. It is our understanding that the imported fill was not compacted or closely monitored during placement. Portions of the site are currently being used for storage of abandoned underground storage tanks and mechanical equipment.

3.1 Regional Hydrogeology

Based on a review of available hydrogeologic documents from the California Regional Water Quality Control Board (CRWQCB) and the California Department of Water Resources, the site is located in the Santee Hydrologic Subarea of the San Diego Hydrologic Unit. The San Diego Hydrologic Unit is a wedge-shaped area of approximately 440-square miles drained by the San Diego River. Depths to water in the subarea are generally less than 50 feet.

Existing beneficial uses for surface water in the Santee Hydrologic Subarea include industrial service supply, contact and non-contact water recreation, warm and cold fresh-water habitat, wildlife habitat and preservation of rare and endangered species. Existing beneficial ground-water uses are municipal and domestic supply, agricultural supply and industrial supply. Potential beneficial uses for surface water and ground water in this subarea include municipal and domestic supply, ground-water recharge and industrial process supply.

3.2 Site Hydrogeology

The surface-water elevation of the existing pond appears to be at the same level as the San Diego River located adjacent to the property. A man-made dike consisting of artificially placed fill separates the body of water from the San Diego River. It is our understanding that a submerged conduit connects the river and the water-filled pit. Field observations

indicate that ground water encountered in the borings was at approximately the same elevation as the surface water in the pond.

3.3 Geology

The site is underlain by artificially placed fill and Quaternary alluvium. The fill typically consists of light gray to brown, silty, fine to medium sand with abundant pieces of asphalt, reinforced concrete and scrap metal. The alluvium consists primarily of brown to gray, silty, fine to medium sand. Refer to Boring Logs (Appendix A) for a detailed description of the site specific subsurface lithology.

4.0 SUBSURFACE INVESTIGATION

Eight exploratory borings were drilled and sampled on October 17 and 18, 1990, to assess the possible presence of petroleum hydrocarbons, priority pollutant metals and semi-volatile organics. A truck-mounted drill rig, equipped with 8.25-inch outside diameter hollow-stem auger, was used to drill all the borings. The borings varied in depth from 5 to 33.5 feet. All down-hole equipment was thoroughly steam-cleaned prior to drilling each boring. Soil borings which encountered ground water or exceeded 20 feet in total depth were permitted and abandoned with bentonite grout and concrete, in accordance with Hazardous Materials Management Division (HMMD) permit requirements. The required 30-day post drilling/sampling documentation has been submitted to the HMMD. Refer to Figure 2 for boring locations.

Soil samples were collected from borings at approximately five-foot intervals below the ground surface. All samples were collected with a standard penetration test (SPT) split-spoon sampler. Soil samples were placed in laboratory-supplied, unpreserved, 250-milliliter (ml) wide-mouth glass containers with screw-type lids and Teflon cap liners. The water sample was collected from the water-filled pit and placed in an unpreserved laboratory-supplied one-liter container. All sample containers were labelled with sample-point identification, date and client name, and chilled until delivered to a state-certified analytical

laboratory. Sample handling and transportation were documented on proper chain-of-custody forms.

5.0 ANALYTICAL PROCEDURES

Selected soil samples obtained in our field investigation were submitted to a state-certified laboratory for analysis. Eight soil samples collected from borings B-1, B-2, B-3, B-4 and B-8 were analyzed for total petroleum hydrocarbons (TPH) following the California Department of Health Services (DHS) method, as specified in the October 1989 Leaking Underground Fuel Tank (LUFT) field manual, and for total recoverable petroleum hydrocarbons (TRPH), using EPA method 418.1. The soil sample containing the highest level of TPH was further analyzed for benzene-toluene-xylenes-ethylbenzene (BTXE), using modified EPA method 8020. Two samples collected from boring B-1 and B-3 were analyzed for priority pollutant metals, using EPA methods 6010 and 7471. One sample collected from a depth of 12 feet in boring B-2 was also analyzed for semi-volatile organic constituents, using EPA method 8270. The water sample collected from the water-filled pit was analyzed for semi-volatile organic constituents, using EPA method 8270. Analytical results are summarized in Table 1 and laboratory reports are presented in Appendix B.

6.0 OBSERVATIONS AND CONCLUSIONS

Based upon document review, field observations and the results of laboratory analyses, the following preliminary conclusions and interpretations are presented:

- Elevated concentrations of high molecular weight total recoverable petroleum hydrocarbons (TRPH) were present in the fill soil around the perimeter of the existing pond. These elevated concentrations may be due to the presence of asphalt found within the fill soils. Only one of the samples analyzed for TPH exhibited a detectable amount of diesel range petroleum hydrocarbons.

- Initial priority pollutant metals analytical results from the fill soils indicate that none of the metals were present in soil samples in concentrations considered hazardous,

based on standards found in California Code of Regulations Title 22, section 66699 (CCR 22-6699).

- Semi-volatile organic analytical results from fill soils and surface-water samples indicate that none of the constituents were found in concentrations considered to be hazardous.
- No asphalt was observed in the soil boring cuttings below ground water.

7.0 RECOMMENDATIONS

Ninyo & Moore recommends collecting samples from the water-pit sediment to determine if these sediments contain any constituents which would require removal before further backfilling operations commence. We also recommend that this report be submitted to CRWQCB for their review.

8.0 LIMITATIONS

The environmental services outlined in this report have been conducted in a manner consistent with current practices and the standard of care exercised by environmental consultants performing similar work. No warranty, expressed or implied, is made regarding conclusions, recommendations and professional opinions presented in this report. Ninyo & Moore's conclusions and recommendations are based on an analysis of observed conditions and on information supplied by the client. It is likely that variations in soil and/or ground-water and surface-water conditions could exist beyond the points explored in this investigation. Also, changes in ground-water and/or surface-water conditions encountered could occur at some time in the future due to variations in temperature, regional rainfall, and other factors. If actual conditions are found to differ from those described in this report, our office should be notified and additional recommendations, if required, can be provided upon request.

This document is intended to be used only in its entirety. No portions of the document, by themselves, are designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document. Upon client approval, all inquiries will be addressed.

We appreciate the opportunity to be of service to you on this project. If you have any questions regarding this report, please contact our office at your convenience.

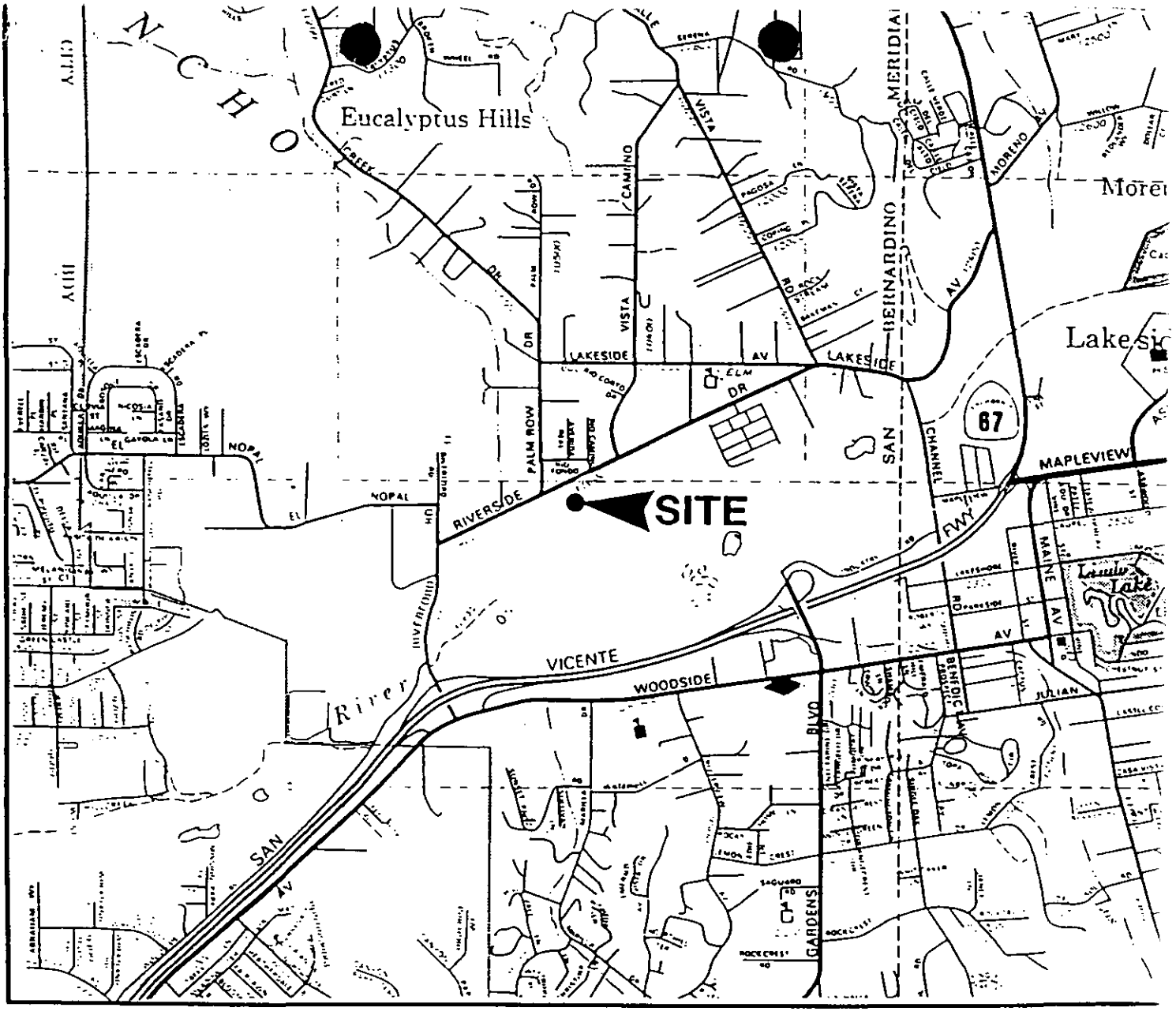
Respectfully Submitted,
NINYO & MOORE

Kevin L. Shelburne, REA 247, AIH 312
Manager, Environmental Sciences Division

Stephan A. Beck, REA 2181, CEG 1512
Senior Project Environmental Geologist

YRG/SB/KLS:lga

Distribution: (2) Addressee



REFERENCE: 1986 Aerial Foto-Map Book.

0 2000 4000

Scale in Feet

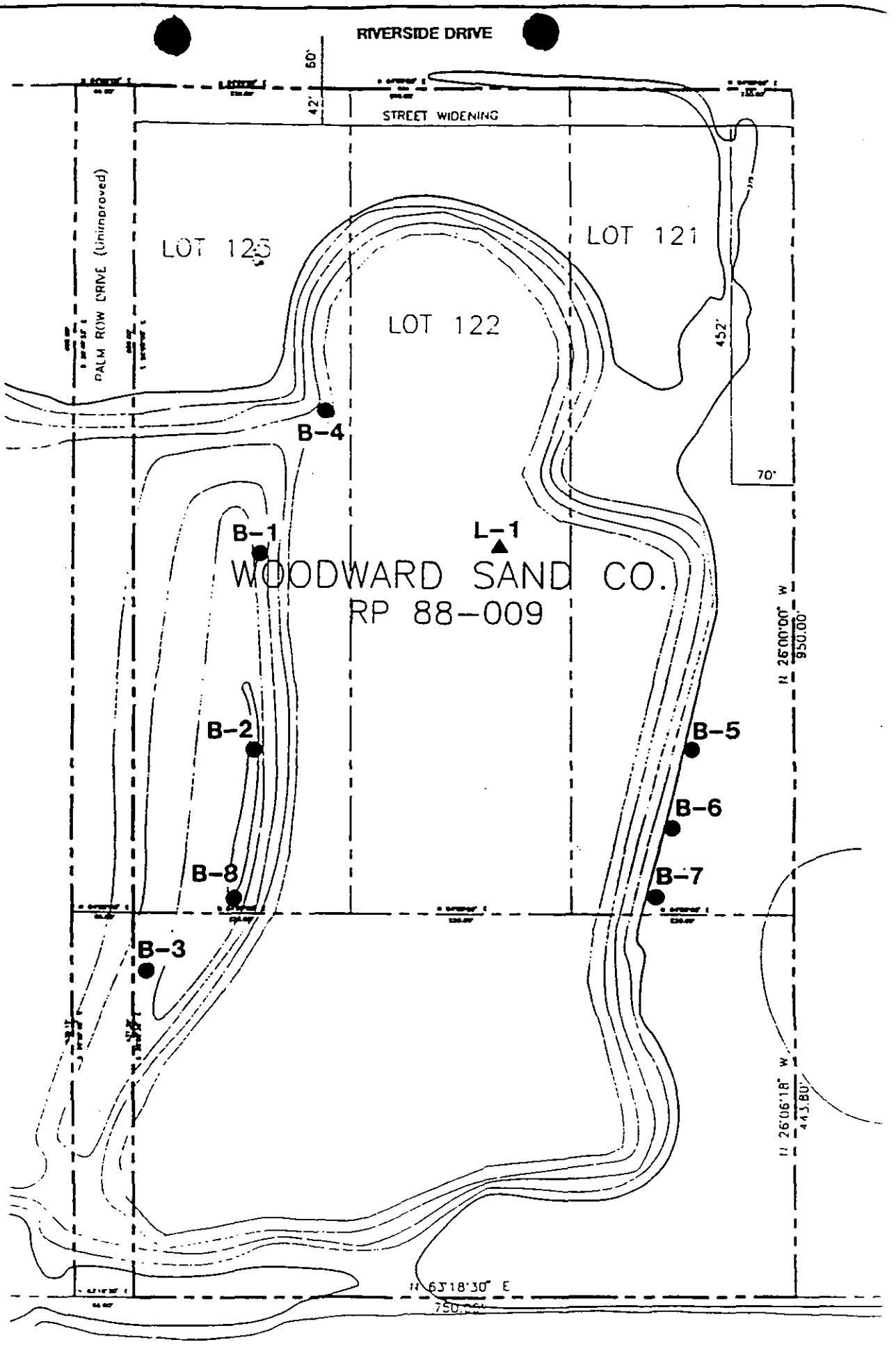
NORTH

Ninyo & Moore

SITE LOCATION MAP

WOODWARD SAND COMPANY
RIVERSIDE DRIVE
SANTEE, CALIFORNIA

PROJECT NO.	DATE	FIGURE 1
101803-01	1/91	


RIVERSIDE DRIVE
60'
42'
STREET WIDENING
PALM ROW DRIVE (Uninproved)
LOT 123
LOT 121
LOT 122
452'
70'
B-4
B-1
L-1
WOODWARD SAND CO.
RP 88-009
N 26°00'00" W
950.00'
B-2
B-5
B-6
B-8
B-7
B-3
N 26°06'18" W
443.80'
N 63°18'30" E
750.00'



LEGEND

B–8 ● Approximate location of exploratory boring

L–1 ▲ Approximate location of water sample

—— -- -- —— Property boundary

0 150 300

Approximate Scale in Feet

Ninyo & Moore

BORING LOCATION MAP

WOODWARD SAND COMPANY
RIVERSIDE DRIVE
SANTEE, CALIFORNIA

PROJECT NO.	DATE	
101803–01	1/91	FIGURE 2

TABLE 1

SOIL AND SURFACE-WATER ANALYTICAL RESULTS

ANALYTE	B-1 @ 5'	B-1 @ 10'	B-1 @ 20'	B-1 @ 25'	B-2 @ 12'	B-2 @ 32'	B-3 @ 10'	B-3 @ 20'	B-4 @ 5'	B-8 @ 2'	WATER SAMPLE L-1
TPH	--	<10.0	<10.0	<10.0	12.4	<10.0	<10.0	--	<10.0	<10.0	--
TRPH	--	1,910	2,030	<10.0	3,820	3,710	4,060	--	44.3	44.3	--
Benzene	--	--	--	--	<0.001	--	--	--	--	--	--
Toluene	--	--	--	--	0.013	--	--	--	--	--	--
Xylenes	--	--	--	--	0.008	--	--	--	--	--	--
Ethylbenzene	--	--	--	--	0.001	--	--	--	--	--	--
Antimony	<2.50	--	--	--	--	--	--	<2.50	--	--	--
Arsenic	<2.50	--	--	--	--	--	--	<2.50	--	--	--
Beryllium	0.106	--	--	--	--	--	--	<0.050	--	--	--
Cadmium	<0.400	--	--	--	--	--	--	<0.400	--	--	--
Chromium	7.43	--	--	--	--	--	--	6.67	--	--	--
Copper	10.6	--	--	--	--	--	--	13.5	--	--	--
Lead	12.6	--	--	--	--	--	--	<1.25	--	--	--
Mercury	<0.050	--	--	--	--	--	--	<0.050	--	--	--
Nickel	4.27	--	--	--	--	--	--	3.92	--	--	--
Selenium	<2.50	--	--	--	--	--	--	<2.50	--	--	--
Silver	10.4	--	--	--	--	--	--	<0.200	--	--	--
Thallium	<2.50	--	--	--	--	--	--	<2.50	--	--	--
Zinc	13.0	--	--	--	--	--	--	0.997	--	--	--
1,2,4,5-Tetrachlorobenzene	--	--	--	--	<0.25	--	--	--	--	--	<10.0
1,2,4-Trichlorobenzene	--	--	--	--	<0.048	--	--	--	--	--	<1.9
1,2-Dichlorobenzene	--	--	--	--	<0.048	--	--	--	--	--	<1.9

Units: Soil Samples: milligrams per kilogram (mg/kg).
Water Samples: micrograms per liter (ug/l).

TPH: Total Petroleum Hydrocarbons (DHS Method)
TRPH: Total Recoverable Petroleum Hydrocarbons
-- Sample not tested for this analyte.

TABLE 1

(Continued)

ANALYTE	B-1 @ 5'	B-1 @ 10'	B-1 @ 20'	B-1 @ 25'	B-2 @ 12'	B-2 @ 32'	B-3 @ 10'	B-3 @ 20'	B-4 @ 5'	B-8 @ 2'	WATER SAMPLE L-1
1,2-Diphenylhydrazine	--	--	--	--	<0.25	--	--	--	--	--	<10.0
1,3-Dichlorobenzene	--	--	--	--	<0.048	--	--	--	--	--	<1.9
1,4-Dichlorobenzene	--	--	--	--	<0.11	--	--	--	--	--	<4.4
1-Chloronaphthalene	--	--	--	--	<0.25	--	--	--	--	--	<1
1-Naphthylamine	--	--	--	--	<0.25	--	--	--	--	--	<10.0
2,3,4,6-Tetrachlorophenol	--	--	--	--	<0.25	--	--	--	--	--	<10.0
2,4,5-Trichlorophenol	--	--	--	--	<0.25	--	--	--	--	--	<10.0
2,4,6-Trichlorophenol	--	--	--	--	<0.068	--	--	--	--	--	<2.7
2,4-Dichlorophenol	--	--	--	--	<0.068	--	--	--	--	--	<2.7
2,4-Dimethylphenol	--	--	--	--	<0.068	--	--	--	--	--	<2.7
2,4-Dinitrophenol	--	--	--	--	<1.05	--	--	--	--	--	<42
2,4-Dinitrotoluene	--	--	--	--	<0.143	--	--	--	--	--	<5.7
2,6-Dichlorophenol	--	--	--	--	<0.25	--	--	--	--	--	<10.0
2,6-Dinitrotoluene	--	--	--	--	<0.048	--	--	--	--	--	<1.9
2-Chloronaphthalene	--	--	--	--	<0.048	--	--	--	--	--	<1
2-Chlorophenol	--	--	--	--	<0.083	--	--	--	--	--	<
2-Methylnapthalene	--	--	--	--	<0.25	--	--	--	--	--	<10
2-Methylphenol	--	--	--	--	<0.25	--	--	--	--	--	<10
2-Methyl-4,6-Dinitrophenol	--	--	--	--	<0.6	--	--	--	--	--	<24
2-Naphthylamine	--	--	--	--	<0.25	--	--	--	--	--	<10.0
2-Nitroaniline	--	--	--	--	<0.25	--	--	--	--	--	<10.0
2-Nitrophenol	--	--	--	--	<0.09	--	--	--	--	--	<3.6

Units: Soil Samples: milligrams per kilogram (mg/kg).
Water Samples: micrograms per liter (ug/l).

TPH: Total Petroleum Hydrocarbons (DHS Method)
TRPH: Total Recoverable Petroleum Hydrocarbons
-- Sample not tested for this analyte.

TABLE 1

(Continued)

ANALYTE	B-1 @ 5'	B-1 @ 10'	B-1 @ 20'	B-1 @ 25'	B-2 @ 12'	B-2 @ 32'	B-3 @ 10'	B-3 @ 20'	B-4 @ 5'	B-8 @ 2'	WATER SAMPLE L-1
2-Picoline	--	--	--	--	<0.25	--	--	--	--	--	<10.0
3,3'-Dichlorobenzidine	--	--	--	--	<0.413	--	--	--	--	--	<16.5
3-Methylcholanthrene	--	--	--	--	<0.25	--	--	--	--	--	<10.0
3-Nitroanaline	--	--	--	--	<0.25	--	--	--	--	--	<10
4,4'-DDD	--	--	--	--	<0.07	--	--	--	--	--	<2.8
4,4'-DDE	--	--	--	--	<0.14	--	--	--	--	--	<5.6
4,4'-DDT	--	--	--	--	<0.118	--	--	--	--	--	<4.7
4-Aminobiphenyl	--	--	--	--	<0.25	--	--	--	--	--	<10.0
4-Bromophenyl Phenyl Ether	--	--	--	--	<0.048	--	--	--	--	--	<1.9
4-Chloroaniline	--	--	--	--	<0.25	--	--	--	--	--	<10.0
4-Chlorophenyl Phenyl Ether	--	--	--	--	<0.105	--	--	--	--	--	<4.2
4-Chloro-3-Methylphenol	--	--	--	--	<0.075	--	--	--	--	--	<3
4-Methylphenol	--	--	--	--	<0.25	--	--	--	--	--	<10
4-Nitroanaline	--	--	--	--	<0.25	--	--	--	--	--	<10.0
4-Nitrophenol	--	--	--	--	<0.06	--	--	--	--	--	<2
7,12-Dimethylbenz (a) Anthracene	--	--	--	--	<0.25	--	--	--	--	--	<10.0
Acenaphthene	--	--	--	--	0.074	--	--	--	--	--	<1.9
Acenaphthylene	--	--	--	--	<0.088	--	--	--	--	--	<3.5
Acetophenone	--	--	--	--	<0.25	--	--	--	--	--	<10.0
Aldrin	--	--	--	--	<0.048	--	--	--	--	--	<1.9
alpha BHC	--	--	--	--	<0.25	--	--	--	--	--	<10.0

Units: Soil Samples: milligrams per kilogram (mg/kg).
Water Samples: micrograms per liter (ug/l).

TPH: Total Petroleum Hydrocarbons (DHS Method)
TRPH: Total Recoverable Petroleum Hydrocarbons
-- Sample not tested for this analyte.

TABLE 1

(Continued)

ANALYTE	B-1 @ 5'	B-1 @ 10'	B-1 @ 20'	B-1 @ 25'	B-2 @ 12'	B-2 @ 32'	B-3 @ 10'	B-3 @ 20'	B-4 @ 5'	B-8 @ 2'	WATER SAMPLE L-1
Aniline	--	--	--	--	<0.25	--	--	--	--	--	<10.0
Anthracene	--	--	--	--	0.072	--	--	--	--	--	<1.9
a-,a-Dimethylphenethylamine	--	--	--	--	<0.25	--	--	--	--	--	<10.0
Benzidine	--	--	--	--	<1.1	--	--	--	--	--	<
Benzoic Acid	--	--	--	--	<1.25	--	--	--	--	--	<50.0
Benzo(A)Anthracene	--	--	--	--	<0.195	--	--	--	--	--	<7.8
Benzo(A)Pyrene	--	--	--	--	<0.063	--	--	--	--	--	<2.5
Benzo(B)Fluoranthene	--	--	--	--	<0.12	--	--	--	--	--	<4.8
Benzo(G,H,I)Perylene	--	--	--	--	<0.103	--	--	--	--	--	<4.1
Benzo(K)Fluoranthene	--	--	--	--	<0.063	--	--	--	--	--	<2.5
Benzyl Alcohol	--	--	--	--	<0.5	--	--	--	--	--	<20
beta BHC	--	--	--	--	<0.105	--	--	--	--	--	<4.2
BIS(2-Chloroethoxy)Methane	--	--	--	--	<0.133	--	--	--	--	--	<5.3
BIS(2-Chloroethyl)Ether	--	--	--	--	<0.143	--	--	--	--	--	<5.7
BIS(2-Chloroisopropyl)Ether	--	--	--	--	<0.143	--	--	--	--	--	<
BIS(2-Ethylhexyl)Phthalate	--	--	--	--	0.177	--	--	--	--	--	<2.5
Butyl Benzyl Phthalate	--	--	--	--	<0.063	--	--	--	--	--	<2.5
Chlordane	--	--	--	--	<0.25	--	--	--	--	--	<10.0
Chrysene	--	--	--	--	0.103	--	--	--	--	--	<2.5
delta BHC	--	--	--	--	<0.25	--	--	--	--	--	<10.0
Dibenzofuran	--	--	--	--	<0.25	--	--	--	--	--	<10.0
Dibenzo(A,H)Anthracene	--	--	--	--	<0.063	--	--	--	--	--	<2.5

Units: Soil Samples: milligrams per kilogram (mg/kg).
Water Samples: micrograms per liter (ug/l).

TPH: Total Petroleum Hydrocarbons (DHS Method)
TRPH: Total Recoverable Petroleum Hydrocarbons
-- Sample not tested for this analyte.

TABLE 1

(Continued)

ANALYTE	B-1 @ 5'	B-1 @ 10'	B-1 @ 20'	B-1 @ 25'	B-2 @ 12'	B-2 @ 32'	B-3 @ 10'	B-3 @ 20'	B-4 @ 5'	B-8 @ 2'	WATER SAMPLE L-1
Dibenz(A,J)Acridine	--	--	--	--	<0.25	--	--	--	--	--	<10.0
Dieldrin	--	--	--	--	<0.063	--	--	--	--	--	<2.5
Diethyl Phthalate	--	--	--	--	<0.048	--	--	--	--	--	3.3
Dimethyl Phthalate	--	--	--	--	<0.04	--	--	--	--	--	[redacted]
Diphenylamine	--	--	--	--	<0.25	--	--	--	--	--	<10.0
Di-N-Butyl Phthalate	--	--	--	--	<0.063	--	--	--	--	--	<2.5
Di-N-Octyl Phthalate	--	--	--	--	<0.063	--	--	--	--	--	<2.5
Endosulfan I	--	--	--	--	<0.25	--	--	--	--	--	<10.0
Endosulfan II	--	--	--	--	<0.25	--	--	--	--	--	<10.0
Endosulfan Sulfate	--	--	--	--	<0.14	--	--	--	--	--	<5.6
Endrin	--	--	--	--	<0.25	--	--	--	--	--	<10.0
Endrin Aldehyde	--	--	--	--	<0.25	--	--	--	--	--	<10.0
Endrin Ketone	--	--	--	--	<0.25	--	--	--	--	--	<10.0
Ethyl Methanesulfonate	--	--	--	--	<0.25	--	--	--	--	--	<10.0
Fluoranthene	--	--	--	--	0.235	--	--	--	--	--	[redacted]
Fluorene	--	--	--	--	0.064	--	--	--	--	--	[redacted]
gamma BHC	--	--	--	--	<0.078	--	--	--	--	--	<3.1
Heptachlor	--	--	--	--	<0.048	--	--	--	--	--	<1.9
Heptachlor Epoxide	--	--	--	--	<0.055	--	--	--	--	--	<2.2
Hexachlorobenzene	--	--	--	--	<0.048	--	--	--	--	--	<1.9
Hexachlorobutadiene	--	--	--	--	<0.023	--	--	--	--	--	<0.9
Hexachlorocyclopentadiene	--	--	--	--	<0.25	--	--	--	--	--	<10.0

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Water Samples: micrograms per liter (ug/l).

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TRPH: Total Recoverable Petroleum Hydrocarbons
-- Sample not tested for this analyte.

TABLE 1

(Continued)

ANALYTE	B-1 @ 5'	B-1 @ 10'	B-1 @ 20'	B-1 @ 25'	B-2 @ 12'	B-2 @ 32'	B-3 @ 10'	B-3 @ 20'	B-4 @ 5'	B-8 @ 2'	WATER SAMPLE L-1
Hexachloroethane	--	--	--	--	<0.04	--	--	--	--	--	<1.6
Indeno(1,2,3-CD)Pyrene	--	--	--	--	<0.093	--	--	--	--	--	<3.7
Isophorone	--	--	--	--	<0.055	--	--	--	--	--	<2.2
Methoxychlor	--	--	--	--	<0.25	--	--	--	--	--	<
Methyl Methanesulfonate	--	--	--	--	<0.25	--	--	--	--	--	<10.0
Naphthalene	--	--	--	--	<0.04	--	--	--	--	--	<1.6
Nitrobenzene	--	--	--	--	<0.048	--	--	--	--	--	<1.9
N-Nitrosodimethylamine	--	--	--	--	<0.25	--	--	--	--	--	<10.0
N-Nitrosodiphenylamine	--	--	--	--	<0.048	--	--	--	--	--	<1.9
N-Nitrosodi-N-Propylamine	--	--	--	--	<0.25	--	--	--	--	--	<10.0
N-Nitrosopiperidine	--	--	--	--	<0.25	--	--	--	--	--	<10.0
N-Nitroso-Di-N-Butylamine	--	--	--	--	<0.25	--	--	--	--	--	<10.0
PCB 1016	--	--	--	--	<0.25	--	--	--	--	--	<10.0
PCB 1221	--	--	--	--	<0.75	--	--	--	--	--	<30
PCB 1232	--	--	--	--	<0.25	--	--	--	--	--	<
PCB 1242	--	--	--	--	<0.25	--	--	--	--	--	<
PCB 1248	--	--	--	--	<0.25	--	--	--	--	--	<10.0
PCB 1254	--	--	--	--	<0.9	--	--	--	--	--	<36.0
PCB 1260	--	--	--	--	<0.25	--	--	--	--	--	<10.0
Pentachlorobenzene	--	--	--	--	<0.25	--	--	--	--	--	<10.0
Pentachloronitrobenzene	--	--	--	--	<0.25	--	--	--	--	--	<10.0
Pentachlorophenol	--	--	--	--	<0.09	--	--	--	--	--	<3.6

Units: Soil Samples: milligrams per kilogram (mg/kg).
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TPH: Total Petroleum Hydrocarbons (DHS Method)
TRPH: Total Recoverable Petroleum Hydrocarbons
-- Sample not tested for this analyte.

TABLE 1

(Continued)

ANALYTE	B-1 @ 5'	B-1 @ 10'	B-1 @ 20'	B-1 @ 25'	B-2 @ 12'	B-2 @ 32'	B-3 @ 10'	B-3 @ 20'	B-4 @ 5'	B-8 @ 2'	WATER SAMPLE L-1
Phenacetin	--	--	--	--	<0.25	--	--	--	--	--	<10.0
Phenanthrene	--	--	--	--	0.181	--	--	--	--	--	<5.4
Phenol	--	--	--	--	<0.038	--	--	--	--	--	<1.5
Pronamide	--	--	--	--	<0.25	--	--	--	--	--	<
Pyrene	--	--	--	--	0.303	--	--	--	--	--	<1.9
p-Dimethylaminoazobenzene	--	--	--	--	<0.25	--	--	--	--	--	<10.0
Toxaphene	--	--	--	--	<0.25	--	--	--	--	--	<10.0

Units: Soil Samples: milligrams per kilogram (mg/kg).
Water Samples: micrograms per liter (ug/l).

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-- Sample not tested for this analyte.

APPENDIX A

Ninja-Mode

DATE DRILLED 10-17-90 BORING NO. B-1

GROUND ELEVATION _____ SHEET 1 OF 2

METHOD OF DRILLING 8" Hollow Stem Auger

DRIVE WEIGHT 140 lbs. DROP 30"

SAMPLED BY YRG LOGGED BY YRG

DEPTH (Feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	CLASSIFICATION U.S.C.S.	DESCRIPTION
0						SM	FILL: Light gray to brown, dry to damp, medium dense, silty SAND.
			28				
						SC	@ 3.0': Dark brown, damp, medium dense, silty, clayey, fine to medium SAND; with pieces of asphalt and gravel up to 1" in diameter.
5			23				
			16				
10							@ 10.0': Same as above with pieces of cloth and plastic.
			6				
			14				
15							
			15				
			19				
20							

Ninyo & Moore

BORING LOG

Woodward Sand Company
Santee, California

PROJECT NO.	DATE	FIGURE
101803-01	11/90	

DATE DRILLED 10-17-90 BORING NO. B-1

GROUND ELEVATION _____ SHEET 2 OF 2

METHOD OF DRILLING 8" Hollow Stem Auger

DRIVE WEIGHT 140 lbs. DROP 30"

SAMPLED BY YRG LOGGED BY YRG

DEPTH (Feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	CLASSIFICATION U.S.C.S.	DESCRIPTION
20		84			SC	FILL (Continued): Dark brown, damp, medium dense, silty, clayey, fine to medium SAND; with pieces of concrete, asphalt and rebar.
					SM	ALLUVIUM: Brown to gray, wet to saturated, dense, silty, fine to medium SAND; with many twigs and roots. @ 24.0': Ground water encountered.
25		11				
		28			ML	@ 27.0': Brown, saturated, stiff, sandy SILT; 3" thick layer
30		16				
		43				
35						Total depth = 33.5'. No caving. Ground water encountered @ 24.0'. Grouted 10-17-90.
40						

Ninyo & Moore

BORING LOG

Woodward Sand Company
Santee, California

PROJECT NO.	DATE	FIGURE
101803-01	11/90	

DATE DRILLED 10-17-90 BORING NO. B-2

GROUND ELEVATION _____ SHEET 1 OF 2

METHOD OF DRILLING 8" Hollow Stem Auger

DRIVE WEIGHT 140 lbs. DROP 30"

SAMPLED BY YRG LOGGED BY YRG

DEPTH (Feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	CLASSIFICATION U.S.C.S.	DESCRIPTION
0						SM	FILL: Light to medium brown, dry to damp, medium dense, gravelly, silty, fine to medium SAND; gravel and pieces of concrete up to 3" in diameter; several pieces of PVC pipe.
			45				
							@ 4.0': Dark brown, damp, medium dense, silty SAND; gravel up to 2" in diameter; with pieces of asphalt.
5			34				@ 6.0': Pieces of concrete.
			10				
10			12				@ 12.0': Same as above; pieces of wood and brick.
			13				
15							@ 17.0': Several pieces of concrete and metal.
			25/1"				
20							

Ninyo & Moore

BORING LOG

Woodward Sand Company
Santee, California

PROJECT NO.	DATE	FIGURE
101803-01	11/90	

DATE DRILLED 10-17-90 BORING NO. B-2

GROUND ELEVATION _____ SHEET 2 OF 2

METHOD OF DRILLING 8" Hollow Stem Auger

DRIVE WEIGHT 140 lbs. DROP 30"

SAMPLED BY YRG LOGGED BY YRG

DEPTH (Feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	CLASSIFICATION U.S.C.S.	DESCRIPTION
20			56/9"				FILL (Continued): Dark brown, damp, medium dense, silty SAND; pieces of concrete, gravel and brick up to 4" in diameter.
			6				
25			17				@ 26.0': Pieces of asphalt.
			34				
30			30				@ 33.0': Refusal on concrete.
							Total depth = 33.0'. No caving. No ground water encountered. Grouted 10-17-90.
35							
40							

Ninyo & Moore

BORING LOG

Woodward Sand Company
Santee, California

PROJECT NO.	DATE	FIGURE
101803-01	11/90	

DATE DRILLED 10-17-90 BORING NO. B-3

GROUND ELEVATION _____ SHEET 1 OF 2

METHOD OF DRILLING 8" Hollow Stem Auger

DRIVE WEIGHT 140 lbs. DROP 30"

SAMPLED BY YRG LOGGED BY YRG

DEPTH (Feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	CLASSIFICATION U.S.C.S.	DESCRIPTION
0							FILL:
						SM	Brown, dry to damp, medium dense, silty SAND; with gravel and pieces of concrete up to 3" in diameter.
			29				
5							@ 5.0': Pieces of asphalt.
			10				
			50				
10							@ 10.0': Same as above; with pieces of asphalt.
			8				
			72				
			10"				
15							
			42				
			40				
20							

Ninyo & Moore

BORING LOG

Woodward Sand Company
Santee, California

PROJECT NO.	DATE	FIGURE
101803-01	11/90	

DATE DRILLED 10-17-90 BORING NO. B-3

GROUND ELEVATION _____ SHEET 2 OF 2

METHOD OF DRILLING 8" Hollow Stem Auger

DRIVE WEIGHT 140 lbs. DROP 30"

SAMPLED BY YRG LOGGED BY YRG

DEPTH (Feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%).	DRY DENSITY (PCF)	CLASSIFICATION U.S.C.S.	DESCRIPTION
20						SM	FILL (Continued): Brown to dark brown, damp, medium dense, silty SAND; with pieces of concrete and asphalt; Refusal @ 21.5'.
							Total depth = 21.5'. No caving. No ground water encountered. Grouted 10-17-90.
25							
30							
35							
40							

Ninyo & Moore

BORING LOG

Woodward Sand Company
Santee, California

PROJECT NO.	DATE	FIGURE
101803-01	11/90	

DATE DRILLED 10-18-90 BORING NO. B-4

GROUND ELEVATION _____ SHEET 1 OF 1

METHOD OF DRILLING 8" Hollow Stem Auger

DRIVE WEIGHT 140 lbs. DROP 30"

SAMPLED BY YRG LOGGED BY YRG

DEPTH (Feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	CLASSIFICATION U.S.C.S.	DESCRIPTION
0							ALLUVIUM:
						SM	Gray, damp to moist, loose to medium dense, silty, fine SAND; micaceous.
			27				
5							@ 5.0': Layer of fine sandy SILT; 1.0' thick.
			2				
			21				
10							@ 10.0': Same as above.
			13				
			29				
15							
			18				
			48				
20							Total depth = 18.5'. No caving. Ground water encountered @ 5.0'. Grouted 10-18-90.

Ninyo & Moore

BORING LOG

Woodward Sand Company
Santee, California

PROJECT NO.	DATE	FIGURE
101803-01	11/90	

DATE DRILLED 10-18-90 BORING NO. B-5

GROUND ELEVATION _____ SHEET 1 OF 1

METHOD OF DRILLING 8" Hollow Stem Auger

DRIVE WEIGHT 140 lbs. DROP 30"

SAMPLED BY YRG LOGGED BY YRG

DEPTH (Feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	CLASSIFICATION U.S.C.S.	DESCRIPTION
0							FILL:
							Light brown to red brown, dry to damp, loose to medium dense, fine silty SAND; pieces of concrete and wire.
5							@ 6.5': Refusal on concrete.
							Total depth = 6.5'.
							No caving.
							No ground water encountered.
							Backfilled 10-18-90.
10							
15							
20							

Ninyo & Moore

BORING LOG

Woodward Sand Company
Santee, California

PROJECT NO.	DATE	FIGURE
101803-01	11/90	

DATE DRILLED 10-18-90 BORING NO. B-6

GROUND ELEVATION _____ SHEET 1 OF 1

METHOD OF DRILLING 8" Hollow Stem Auger

DRIVE WEIGHT 140 lbs. DROP 30"

SAMPLED BY YRG LOGGED BY YRG

DEPTH (Feet)	SAMPLES: Bulk	SAMPLES: Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	CLASSIFICATION U.S.C.S.	DESCRIPTION
0						SM	FILL: Light brown, dry to damp, loose to medium dense, fine silty SAND; abundant concrete and pieces of metal.
5							@ 5.0': Refusal on concrete.
							Total depth = 5.0'. No caving. No ground water encountered. Backfilled 10-18-90.
10							
15							
20							

Ninyo & Moore

BORING LOG

Woodward Sand Company
Santee, California

PROJECT NO	DATE	FIGURE
101803-01	11/90	

DATE DRILLED 10-18-90 BORING NO. B-7

GROUND ELEVATION _____ SHEET 1 OF 1

METHOD OF DRILLING 8" Hollow Stem Auger

DRIVE WEIGHT 140 lbs. DROP 30"

SAMPLED BY YRG LOGGED BY YRG

DEPTH (Feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	CLASSIFICATION U.S.C.S.	DESCRIPTION
0							FILL:
						SM	Light gray to brown, dry to damp, loose to medium dense, fine silty SAND; with abundant concrete.
			18				
5							@ 5.0': Pieces of concrete.
			18				
10							@ 10.0': Same as above; pieces of concrete.
							@ 12.5': Refusal on concrete.
							Total depth = 12.5'.
							No caving.
							No ground water encountered.
15							Backfilled 10-18-90.
20							

Ninyo & Moore

BORING LOG

Woodward Sand Company
Santee, California

PROJECT NO.	DATE	FIGURE
101803-01	11/90	

DATE DRILLED 10-18-90 BORING NO. B-8

GROUND ELEVATION _____ SHEET 1 OF 1

METHOD OF DRILLING 8" Hollow Stem Auger

DRIVE WEIGHT 140 lbs. DROP 30"

SAMPLED BY YRG LOGGED BY YRG

DEPTH (Feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	CLASSIFICATION U.S.C.S.	DESCRIPTION
0							Fill:
						SM	Gray to brown, dry to damp, loose to medium dense, fine silty SAND; with pieces of concrete and gravel.
			20				
5			21				
			19				@ 7.0': Abundant asphalt.
10			20				@ 10.0': Same as above.
			8"				
			62				
			10"				
15			64				@ 17.5': Refusal on concrete.
20							Total depth = 17.5'. No caving. No ground water encountered. Backfilled 10-18-90.

Ninyo & Moore

BORING LOG

Woodward Sand Company
Santee, California

PROJECT NO.	DATE	FIGURE
101803-01	11/90	

SOUTHERN CALIFORNIA
SOIL & TESTING, INC.

6280 Riverdale Street, San Diego, CA 92120
P.O. Box 600627, San Diego, CA 92160-0627
619-280-4321, FAX 619-280-4717

July 2, 1996

Caster Enterprises
4607 Mission Gorge Place
San Diego, California 92120

SCS&T 9411190
Report No. 2

SUBJECT: Report of Preliminary Environmental Site Assessment (Phase I - ESA), Riverford Road and Riverside Drive, Lakeside, California.

Gentlemen:

In response to the request of Mr. Brian Caster and our Proposal No. 96S219, we have performed a Preliminary Environmental Site Assessment (Phase I-ESA) of the subject property to assess the potential presence of hazardous/toxic materials. Our study was limited to a site reconnaissance and a review of available information. Surface/subsurface sampling or testing of soil, water, or other extraneous materials was not within the scope of this study.

We urge you to read the entire report and to contact the undersigned with any questions or concerns you may have pertaining to this report.

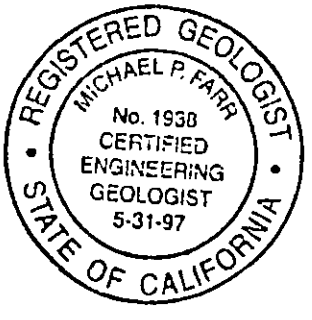
A Phase I ESA comprises a number of individual elements whose basic nature and extent are determined in accordance with the standard of care applicable to Phase I ESAs. The standard of care is commonly defined as the care applied by the ordinary practitioner at the time and in the area where the ESA was performed. We believe that we have

complied with the applicable standard of care and that we have complied as well with Phase I ESA practices and service scope elements recommended by the American Society for Testing and Materials (ASTM). Note that our services intentionally did not include any inquiries with respect to asbestos, radon, methane, wetlands or any other ancillary hazardous materials or conditions.

The accompanying report is an instrument of service of SCS&T. The report summarizes our findings and relates our opinions with respect to the potential for hazardous materials to exist at the site at levels likely to warrant mitigation pursuant to current guidelines regulated by the County of San Diego and/or the State of California. Note that our findings and opinions are based on information that we obtained on given dates, through records review, site review, and related activities. It is possible that other information exists or subsequently has become known, just as it is possible for conditions we observed to have changed after our observation. For these and associated reasons, SCS&T and many of its peers routinely advise clients for ESA services that it would be a mistake to place unmerited faith in findings and opinions conveyed via ESA reports. SCS&T cannot under any circumstances warrant or guarantee that not finding indicators of any particular hazardous material means that this particular hazardous material or any other hazardous materials do not exist on the site. Additional research, including invasive testing, can reduce the risks, but no techniques now commonly employed can eliminate these risks altogether. SCS&T will be pleased to provide more information in this regard.

Respectfully submitted,
SOUTHERN CALIFORNIA SOIL AND TESTING, INC.

Curtis R. Burdett, CEG #1090
CRB:crb
cc: (4) Submitted



SOUTHERN CALIFORNIA
SOIL & TESTING, INC.

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REPORT OF PRELIMINARY ENVIRONMENTAL SITE ASSESSMENT
RIVERFORD ROAD AND RIVERSIDE DRIVE
LAKESIDE, CALIFORNIA

INTRODUCTION

This report is an instrument of service of SCS&T. The report presents the results of a Phase I Environmental Site Assessment (ESA) of the subject site, performed for Caster Enterprises. The services performed included limited research, a review of specified listings, and a site reconnaissance.

A Phase I ESA is conducted to permit formulation of an opinion as to the potential for hazardous materials to exist at a site at levels likely to warrant mitigation pursuant to regulations of the County of San Diego Hazardous Materials Management Division and defined by the California Code of Regulations. Opinions relative to the hazardous materials potential given in this report are based upon information derived from the most recent site reconnaissance and from other activities described herein. The client is herewith advised that the conditions observed by SCS&T are subject to change. Certain indicators of the presence of hazardous materials may have been latent at the time of the most recent site reconnaissance and may subsequently have become observable. In a similar manner, the research effort conducted for a Phase I ESA is limited. Accordingly, it is possible that SCS&T's research, while fully appropriate for a Phase I ESA, failed to indicate the existence of important information sources. Assuming such sources actually exist, their information could not have been considered in the formulation of SCS&T's findings and opinions.

In essence, a Phase I ESA is a service whose basic elements are determined by the standard of care prevailing at the time the service was rendered in the area where it was rendered. Because standards of care can be identified only through retrospective inquiry, SCS&T has assumed that the standard of care is articulated by American Society for Testing and Materials (ASTM) Standard E1527.

Problems have arisen in the past because people and organizations have assumed, improperly, that they could rely on a Phase I ESA report developed for another party. So there is no confusion in this respect, recognize that Caster Enterprises is the only intended beneficiary of this report. Reliance on this report by any party other than Caster Enterprises could possibly result in reliance on assumptions whose extent and nature would distort the meaning and impact of the findings and opinions related herein, in turn resulting in misinterpretation of these findings and opinions and unwise actions based on those misinterpretations. SCS&T'S findings and opinions presented in this report may not be relied on by any party except Caster Enterprises. With the consent of our client, SCS&T is available to contract with other parties to develop findings and opinions related specifically to such other parties' unique risk management concerns.

The guidelines used to define "hazardous materials" were obtained from the California Code of Regulations. For the purposes of this report, the "vicinity" of the site is defined as properties located within an approximate one half-mile to one-mile radius of the site.

SCOPE OF SERVICE

The scope of our services included the following:

1) Performing a visual reconnaissance of the exterior areas of the property for the presence of noticeable gasoline, petroleum products, or other obvious toxic materials.

2) Identifying properties within a close proximity to reveal any uses that may be significantly hazardous to the subject site. Available governmental records were reviewed for information concerning the property or neighboring sites.

3) Contacting various pertinent governmental agencies, reviewing applicable lists, files, etc., with regards to any specific information pertaining to the subject site.

** FEDERAL SOURCES

- National Priority List (NPL)
- CERCLIS (CC)
- NFRAP (NF)
- Federal Facilities (FF)
- Emergency Response Notification System (ERNS)
- Site Enforcement Tracking System (SE)
- Enforcement Docket System (DOCKET/CDETS)
- RCRA
- Superfund Liens (LIENS)
- Federal Enforcement Dockets (FD)

** CALIFORNIA STATE SOURCES

- Annual Work Plan (BP) (previously known as Bond Expenditure Plan)
- CALSITES (previously known as Abandoned Sites Program Information System)
- Hazardous Waste and Substance Sites List (CORTESE)
- Leaking Underground Storage Tanks (LT)
- Solid Waste Information System (SS)
- AB1803 Follow-Up Program
- California Department of Conservation
  - Division of Oil and Gas

** REGIONAL SOURCES

- Underground Tank Listing (LUSTS)
- Toxic Releases (NT)
- Toxic Pits Cleanup Act (TCPCA)
- Solid Waste Test Program (SWAT)
- Spills, Leaks, Investigation and Cleanup (SLIC)
- Well Investigation Program WIP (AB1803)
- Hazardous Waste Information System (HWIS)

** SAN DIEGO COUNTY HMMD LISTINGS

- HE 58 Listing
- HE 17 Listing
- Environmental Assessment Listing

** OPERATING PERMITS

- RCRA Generators (RN)
- RCRA-TSD Facilities (TD)
- SARA Title III, Section 313 (SA)
- Nuclear Regulatory Commission Licensees (NC)
- PCB Handlers Database (PB)
- Permit Compliance System (PC)
- AIRS Facility System (AF)
- Section Seven Tracking System (PE)
- FIFRA/TSCA Tracking System (FT)
- Federal Facilities Information System (FSIS)
- Chemicals in Commerce Information System (CI)
- FINDS EPA Facility Index System (FN)
- Hazardous Waste Information System (HW)
- Underground Storage Tanks (UT)

** OTHER SOURCES

- San Diego County Agricultural Commission
  - Restricted and Non-Restricted Permit Review
- San Diego Gas and Electric (SDG&E)
- San Diego County Air Quality Management District
- Fire Department
- Building Department
- Water and Sewer Agencies

4) Analyzing available published maps, photographs or published material pertaining to the subject site or immediate localized area.

** San Diego County
- Sewer and Drainage Maps

** San Diego County
- Aerial Photographs
- Topographic Maps

** United States Department of Agriculture (USDA)
- Aerial Photographs

** United States Geological Survey (USGS)
- Topographic Maps

** Sanborn Fire Insurance Maps

5) Evaluation of existing hydrogeological information, including the direction of ground water flow and water table levels where available.

6) Reviewing any other pertinent data (soils, geotechnical, environmental, etc.) provided by client, pertaining to the subject site potential for hazardous material contamination.

7) Performing an assessment as to whether present or past owners or tenants have stored, treated, or discharged hazardous materials or waste.

8) Reviewing the site ownership and site tenant information to help identify past owners or tenants that may have used hazardous materials.

LIMITATIONS AND EXCEPTIONS OF ASSESSMENT

It should be noted that the scope of a preliminary environmental site assessment normally does not include analysis for asbestos, radon, lead paint, methane gas or other ancillary hazardous material studies within any existing on-site structures or exterior of property.

The findings and opinions conveyed via this ESA report are based on information obtained from a variety of sources enumerated herein, and which SCS&T believes are reliable. Nonetheless, SCS&T can not and does not guarantee the authenticity or reliability of the information it has received.

This report is not a comprehensive site characterization and should not be construed as such. The opinions presented in this report are based on findings derived from a site reconnaissance, a review of specified regulatory records and historical sources, and comments made by interviewees. SCS&T has not found indicators that suggest that hazardous materials currently exist at the site at levels likely to warrant mitigation.

Phase I ESAs, by their very nature, are limited. SCS&T has endeavored to meet what it believes is the applicable standard of care and, in so doing, is obliged to advise our client of Phase I ESA limitations. SCS&T believes that providing information about limitations is essential to help the client identify and thereby manage its risks. These risks can be mitigated--but they cannot be eliminated--through additional research. SCS&T will

on request advise our client of the additional research opportunities available, their impact on risk, and their cost.

LIMITING CONDITIONS

The ESA was limited both by access to portions of the site and by the availability of governmental records and other applicable information sources.

FINDINGS

ON-SITE SURVEY

Site Description

The project site consists of the narrow easement along the east side of Riverford Road and on the south side of Riverside Drive. The site extends approximately 1000 feet along Riverford Road and approximately 700 feet along Riverside Drive. How wide? No map showing parcel is provided in report.

A site visit and observation was performed to determine the existing subject site conditions. The purpose of the visit was to observe for any indication of the presence of obvious hazardous material contamination. The results of the site reconnaissance revealed that a road-side fruit and vegetable stand is located on-site, at the corner of Riverford Road and Riverside Drive. Some minor pesticides and herbicides appear to possibly be used in this operation. In addition, some minor surficial staining from vehicles was noted at portions of the easements along the roads.

OFF-SITE SURVEY

In addition to the on-site reconnaissance, representatives of SCS&T observed adjacent properties while located on public thoroughfares. Observations were made in an effort to assess if facilities and/or structures are located on these properties and, if so, if they are operated by entities whose names suggest that they might use, store, generate, treat, or dispose of hazardous materials in the course of their business. Numerous businesses within the one-mile search radius of the property utilize, store, generate, or transport hazardous material.

RECOGNIZED ENVIRONMENTAL CONDITIONS

Information obtained indicates that some recognized environmental conditions presently exist in the vicinity of the site. (A recognized environmental condition is defined as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws). The review of available information indicated that hazardous materials and/or petroleum products are used, generated, stored, treated, or disposed of on close-proximity sites (within one mile of the site).

The closest of these recognized environmental conditions are discussed below:

1) One of the recognized environmental conditions that exists, or previously existed, in the vicinity of the project site is a portion of the Woodward Sand Pit operations located approximately 1500 feet east of the site. A report done by Ninyo and Moore in 1991 reported that localized elevated levels of hydrocarbons

were detected in the fill placed at the conclusion of sand mining operations. The report indicated that the elevated levels were the result of asphalt in the fill but that the asphalt apparently did not extend below the water table. As part of the reclamation procedures for the pond, the fill above the water table was removed, the asphalt was separated from the soil, and the soil was then used as clean fill. A Load Checking Assessment Program and a Monitoring and Report Program for the reclamation operation was approved by the Regional Water Quality Control Board.

2) Another of the recognized environmental conditions that exists, or previously existed, in the vicinity of the project site is a another portion of the Woodward Sand Pit operations. Information on one of the Regional sources (the Toxic Releases list) indicates that a leak is being confirmed at the Woodward Sand site. It seems likely that this reference may be referring to some tanks that previously existed at the Woodward property that were cleaned and disposed of in October 1991.

3) Another of the recognized environmental conditions that exists, or previously existed, in the vicinity of the project site is a portion of the Willowbrook Country Club located approximately 3000 feet east of the site; the Willowbrook CC site apparently was the source of a tank leak in or about 1993. A site assessment is apparently still ongoing at the Willowbrook site.

Based on such factors as the distance, the topographic relief, and the elevation differences between the subject site and the above-listed close-proximity sites, as well as other sites listed within the one-mile search radius, the likelihood of these off-site sources affecting the site is considered low. This is considered normal for commercial locales such as that at and near the subject site.

GENERAL GEOLOGY AND SUBSURFACE CONDITIONS

GEOLOGIC SETTING AND SOIL DESCRIPTION: The project site is located in the Coastal Plains Physiographic Province of San Diego County and is underlain by Quaternary-age sedimentary materials identified as alluvial deposits associated with the San Diego River and artificial fill. The deposits generally consist of brown to grayish-brown, fine-to medium-grained, medium dense to dense sands, silty sands, and sandy silts. Underlying the Quaternary-age materials, at an undetermined depth, are the granitic materials of the Cretaceous Southern California Batholith.

GROUNDWATER: A review of the State of California Department of Water Resources Hydrologic Data indicates the subject site is located within the Santee Hydrologic Subarea of the Lower San Diego Hydrologic Area of the San Diego Hydrologic Unit within the San Diego Drainage Province.

Depth to groundwater in this area may be at a few tens of feet.

AERIAL PHOTOGRAPH REVIEW

Aerial photographs were reviewed at the San Diego County offices and included the years 1928, 1949, 1968, 1970, 1973, 1978, 1983, and 1989. United States Department of Agriculture photographs were reviewed for the years 1949 and 1953. A summary of the aerial photograph review is presented below.

A review of the 1928 aerial photographs indicates the subject site and much of the surrounding property were vacant, undeveloped property or agricultural property. Both Riverford Road and Riverside Drive are present but Riverford Road appears to possibly be unpaved.

A review of the 1949 photographs revealed conditions similar to 1928 with increased agricultural use of the property north of Riverside Drive.

A review of the 1953 photographs revealed conditions similar to 1949.

A review of the 1968 and 1970 photographs revealed that some residential development had occurred northwest of the intersection of Riverford Road and Riverside Drive. In addition, a few small structures which appear to possibly be the office buildings for the Woodward Sand Pit operations were observed southeast of the intersection and some sand mining of some of the property east of Riverford Road had occurred.

A review of the 1973 photographs indicated conditions similar to 1970.

A review of the photographs for succeeding years (1978, 1983, and 1989) indicated that the area east of Riverford Road and south of Riverside Drive apparently continued to be used for sand mining purposes with the mining west of Riverford Road first observed on the 1978 photos. The surrounding area has gradually been increasingly developed for residential and commercial uses.

TOPOGRAPHIC MAP REVIEW

The 1958 and the 1972 editions of the County of San Diego 200-scale maps were reviewed. A review of these maps indicated similar information as that seen on the aerial photographs. The 1939 edition of the United States Geological Survey El Cajon Quadrangle (15-minute series)and the 1953, 1967, and 1975 editions of the United States Geological Survey El Cajon Quadrangle (7.5-minute series) topographic maps were reviewed and also indicated similar information.

ENVIRONMENTAL RECORDS REVIEW

Applicable governmental records were reviewed as part of our scope of services. A computerized record search was performed by BBL Information Retrieval in June 1996. A copy of the report by BBL is presented as Appendix A. In general, the results of the review of available governmental records indicate the presence of several businesses within the search radius (one mile) that use, generate, store, treat, or dispose of hazardous materials and/or petroleum products.

Based upon the aforementioned reviewed information, there is no indication that any on-site business or close proximity business has resulted in significant on-site contamination. However, ① a portion of the property adjacent to the site (the Woodward Sand Pit property) is listed as an environmental concern on one of the Regional sources (the Toxic Releases list); a possible leak is apparently being evaluated. In addition, ② elevated hydrocarbon levels had previously been encountered in some fill on another portion of the Woodward Sand Pit property (approximately 1500 feet east of the subject site) and ③ an unauthorized release from an underground fuel tank has occurred at the Willowbrook Country Club (approximately 3000 feet east of the subject site.

CITY AND COUNTY DIRECTORIES REVIEW

A representative of SCS&T reviewed the Haines Directory and the Polk Directory available at the City of San Diego Library to obtain information about previous occupants of the site and adjacent properties. These directories were reviewed at intervals to attempt to identify past occupants of the site and adjacent properties whose corporate names suggest activities typically associated with the use, generation, storage, treatment, or disposal of hazardous materials.

SAN DIEGO COUNTY AIR QUALITY MANAGEMENT DISTRICT

The San Diego County Air Quality Management District was contacted for records pertaining to possible releases of hazardous substances to the atmosphere.

WATER AND SEWER DEPARTMENT

The City of San Diego Water and Sewer Department and the County of San Diego Health Department was contacted to obtain information regarding the source of water and method of sewage disposal at the site in order to help determine if on-site effluent disposal may have contributed to possible site contamination. No information was found to suggest that effluent disposal at the site has been the source of possible surface or subsurface contamination.

SAN DIEGO COUNTY AGRICULTURAL COMMISSION

The San Diego County Agricultural Commission was contacted for records pertaining to pesticide usage. No record for use of pesticides or non-restricted chemical products would apparently be available for review. It should be noted that these records are typically kept only for two or three years, and therefore, would not be applicable to the project site.

SAN DIEGO GAS AND ELECTRIC

A pole-mounted transformer was observed on or adjacent to the site but no stains or other features indicative of significant contamination were observed. Previous conversations with SDG&E indicate no probable record of site PCB contamination. SDG&E has indicated that individual testing of any transformers would usually be required to determine whether PCBs are present within the transformers. It is their opinion that the probability

of the presence of PCBs is statistically very low. It is also our understanding that in the unlikely occurrence of site contamination as the result of PCB contamination, it would be the responsibility and liability of SDG&E.

REGIONAL WILDCAT MAP

A review of the Regional Wildcat Map for wells drilled for oil/gas in San Diego County did not indicate any wells listed in the immediate vicinity of the subject site.

SANBORN FIRE INSURANCE MAPS

The Sanborn Fire Insurance Maps were reviewed at the City of San Diego Library in an attempt to help determine whether the site or adjacent property was identified as having underground fuel tanks or being used for industrial purposes.

CONCLUSIONS

SCS&T has performed a Phase I Environmental Site Assessment (ESA) of the subject site. SCS&T has endeavored to perform this Phase I ESA in substantial conformance with the scope and limitations of ASTM Standard E 1527-93. Based on our agreed-upon scope of services, the following conclusions are presented.

1) Portions of the property adjacent to the site have been used for sand mining purposes and subsequent soil disposal operations since at least 1968. Other adjacent property has been used and is currently being used for residential or commercial purposes. The roads (both Riverford Road and Riverside Drive) have been in their approximate present alignment since at least the 1920s; the areas below the roadways and the adjacent easements appear to be in a relatively natural condition.

2) A site reconnaissance revealed the presence of features indicative of surficial and possible very minor subsurface contamination at the site. These features include surface staining and the presence of petroleum products. There is no indication that the degree of surficial contamination and possible subsurface contamination exceeds that expected for sites that support commercial operations such as those adjacent to the subject site.

3) A review of governmental agency lists and records indicates:

a) Records indicate no listing of underground storage tanks for the subject site or adjacent property.

b) Records indicate the presence of close-proximity businesses which are identified as using, storing, generating, or disposing of hazardous materials. At this time, there is no indication that these sources have significantly adversely impacted the subject site. Based on the distance to the close-proximity sites, the stratigraphic conditions, drainage gradients and elevations, the probability of on-site contamination from these off-site sources should be considered to be low. Overall, the adjacent (1-mile radius) businesses should be considered similar to other commercial use areas and this risk is considered normal.

c) Records indicate that (1) a portion of the property adjacent to the site (the Woodward Sand Pit property) is listed as an environmental concern on one of the Regional sources (the Toxic Releases list); a possible leak is apparently being evaluated. In addition, (2) elevated hydrocarbon levels had previously been encountered in some fill on another portion of the Woodward Sand Pit property (approximately 1500 feet east of the subject site) and (3) an unauthorized release from an underground fuel tank has occurred at the Willowbrook Country Club (approximately 3000 feet east of the subject site. Based on the information currently available to us, it appears that the probability of significant on-site contamination resulting from these sources should be considered to be low.

(1) and (2) are probably the same thing.

It should be noted that the above summaries are based solely upon a review of available records and a limited site reconnaissance. It must be recognized that a preliminary site assessment (ESA) is not a comprehensive site investigation. An ESA solely conveys an opinion of the site's potential for being contaminated by hazardous materials. ESAs are not performed to ascertain that a site is necessarily free of contamination. The limited preliminary nature and scope of this report precludes any definite determination of the possible extent of site contamination. At this time, based upon our limited investigation, the potential for site contamination appears to be limited to that described within this report. However, it should be noted that there is always the possibility of contamination from unknown or undetected sources which may unknowingly contribute to site contamination.

LIMITATIONS

TIME LIMITATIONS

The findings of this report are valid as of this date. Changes in the condition of a property can, however, occur with the passage of time, whether they be due to natural processes or the work of man on this or adjacent properties. In addition, changes in the Standards-of-Practice and/or Government Codes may occur. Due to such changes, the findings of this report may be invalidated wholly or in part by changes beyond our control. Therefore, this report should not be relied upon after a period of two years without a review by us verifying the suitability of the conclusions and recommendations.

PROFESSIONAL STANDARD

In the performance of our professional services, we comply with that level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions and in the same locality. The client recognizes that conditions often change and that our conclusions are based on observations and available information. We shall not be responsible for conditions or consequences arising from relevant facts of information either incorrect, concealed, withheld, or not fully disclosed from other sources. Our services consist of professional consultation and observation only, and no warranty of any kind whatsoever, express or implied, is made or intended in connection with the work performed or to be performed by us, or by our proposal for consulting or other services, or by our furnishing of oral or written reports or findings.

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BBL

ENVIRONMENTAL RECORD SEARCH

for the site

CASTER PROJECT

RIVERFORD & RIVERSIDE DR, LAKESIDE

performed for

SCS&T

06-21-1996

444 S Cedros Avenue Suite 200, Solana Beach CA 92075 Tel: 619 793-0641

INTRODUCTION

This document, prepared on the request of SCS&T, reports the findings of BBL's investigation of environmental concerns in the vicinity of Riverford & Riverside Dr, Lakeside. It is divided in the following segments:

Topo Graphic Map - showing the surrounding area of the subject site.

Summary - listing the identified sites by street names.

Final Report - describing the sources investigated and the resulting findings:

Federal sources

National Priority List	no sites
CERCLIS	no sites
NFRAP	no sites
Federal Facilities	no sites
Emergency Response Notification System	2 sites
Site Enforcement Tracking System	no sites
Enforcement Docket System (DOCKET/CDETS)	no sites
C-Docket	no sites
RCRA Violators List	no sites
Federal Enforcement Dockets	no sites

California State sources

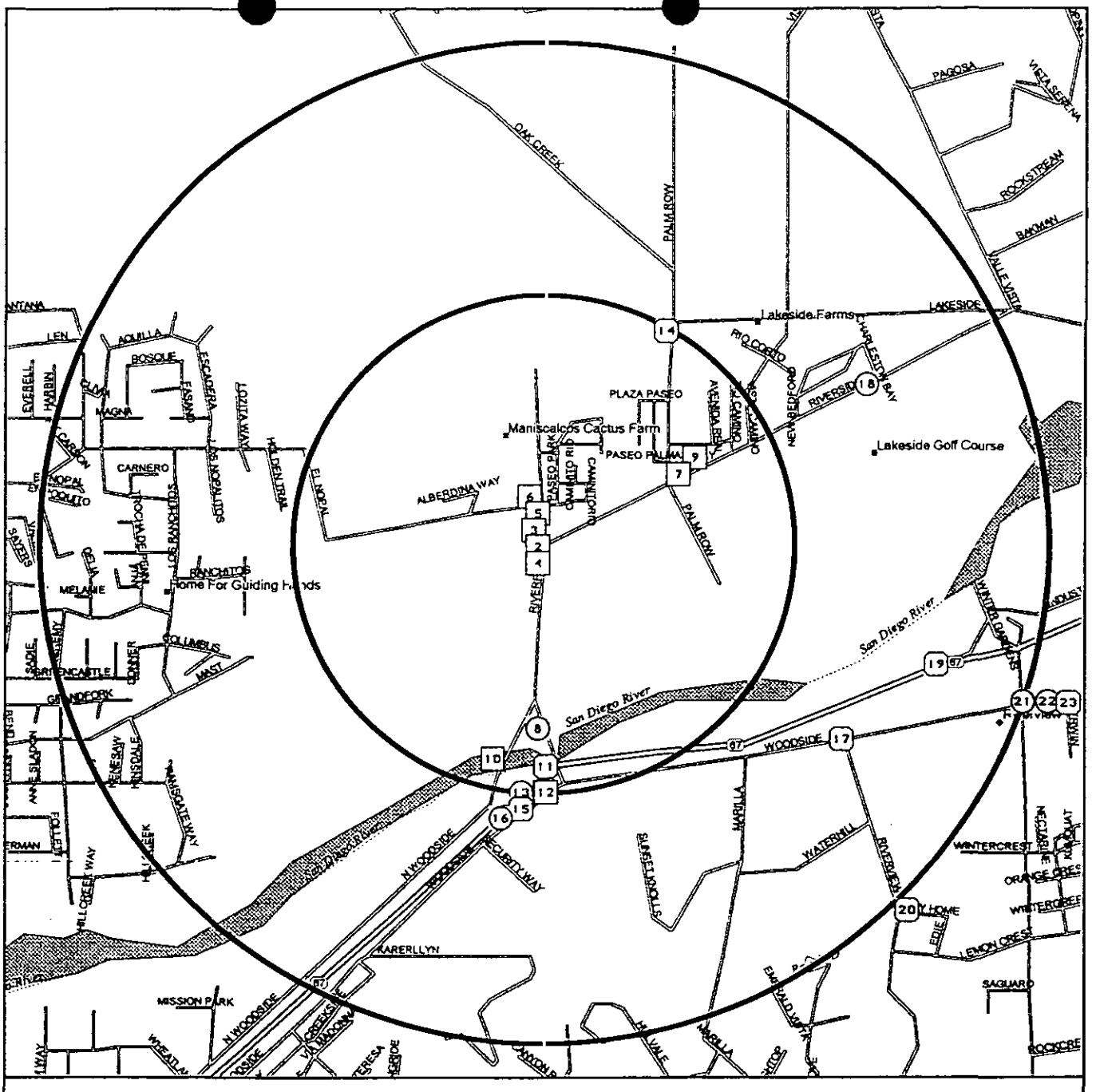
Annual Work Plan	no sites
CALSITES	no sites
CALSITES - No Further Action	3 sites
Cortese	no sites
Leaking Underground Storage Tanks	6 sites
Solid Waste Information System	no sites

Regional sources

Toxic Releases	7 sites
Toxic Pits	no sites
Solid Waste Assessment Test - Regional	no sites
Well Investigation Program	no sites

Operating permits

RCRA Generators	4 sites
RCRA - TSD Facilities	no sites
SARA Title III,section 313 (TRIS)	no sites
Nuclear Regulatory Commission Licensees	no sites
PCB Waste Handlers Database	no sites
Permit Compliance System (PCS)	no sites
AIRS Facility System (AFS)	no sites
Section Seven Tracking System	no sites
FIFRA/TSCA tracking system	no sites
Federal Facilities Information System (FFIS)	no sites
Chemicals in Commerce Information System	no sites
FINDS EPA Facility Index System	no sites
Hazardous Waste Information System	7 sites
Underground Storage Tanks	4 sites



- ENVIRONMENTAL CONCERNS - HIGH PRIORITY
- ENVIRONMENTAL CONCERNS
- ENVIRONMENTAL CONCERNS - WITH A 'NO FURTHER ACTION' STATUS'
- OPERATING PERMITS ONLY

3.2 inches to 1 mile

APPROXIMATE LOCATION OF IDENTIFIED SITES IN THE VICINITY OF THE SUBJECT SITE
AT RIVERFORD & RIVERSIDE DR, LAKESIDE

2.	WOODWARD SAND & MATERIAL CO	10169	RIVERFORD RD
3.	DONS BACKHOE RENTAL INC	10176	RIVERFORD RD
4.	R D REED AND SONS	10150	RIVERFORD RD
5.	7-ELEVEN 26651	10195	RIVERFORD RD
6.	WAYNE'S AUTO SERVICE	10197	RIVERFORD RD, STE E
7.	7-ELEVEN FOOD STORE #13666	11610	RIVERSIDE DR
8.	WOODWARD SAND CO	9891	RIVERFORD RD
9.	SOUTHWEST TRACTOR PARTS INC.	11611	RIVERSIDE DR
10.	WEST COAST SHEET METAL	11222 N	WOODSIDE AVE
11.	*WOODWARD SAND CO.*		*STATE HWY 67 & RIVERFORD RD*
12.	LAKESIDE MARINE	11541	WOODSIDE AVE
13.	FACILITY NAME UNK	11506	WOODSIDE AVE
14.	ARIAODO, JOE	10386	PALM ROW DR
15.	ORBITRON CO.	11487	WOODSIDE AVE
16.	TEXACO.	11427	WOODSIDE AVE
17.	JD-35 PARTNERSHIP	11903	WOODSIDE AVE
18.	WILLOWBROOK COUNTRY CLUB	11905	RIVERSIDE DR
19.	CAL-MAT LAKESIDE	12060	STATE HWY 67
20.	ROCKY HOME DAIRY	12027	ROCKY HOME DR
21.	APPOLO OIL	12106	WOODSIDE AVE
22.	THRIFTY GAS #423	12109	WOODSIDE AVE
23.	H & L CO	12160	WOODSIDE AVE

UNKNOWN LOCATIONS

	LEWIS TRANSPORT CO	RIVERFORD RD

RS 368

EL NOPAL (RD.)

MATHISON, INC.
379-024-13

93-0058-A
1878 SQ.FT.

OVERSON, ET AL
379-024-14

93-0059-A
1419 SQ.FT.

OVERSON, ET AL
379-024-15

TRACT B
RHO EL CAJON
CC-262

JARECKI TR
379-024-17

93-0060-A
942 SQ.FT.

PAR 2
PM 14259

PAR 1
PM 14259

BASIS OF BEARINGS
CALIFORNIA COORDINATE SYSTEM
ZONE 6 NAD 83

ALL DISTANCES AND STATIONS SHOWN ON THIS MAP ARE IN GRID UNLESS OTHERWISE SPECIFIED. TO OBTAIN GROUND DISTANCES DIVIDE GRID DISTANCES BY THE COMBINED SCALE FACTOR(=0.99996585).

MANNINGS 1990 FAMILY TRUST
379-024-11

HANSEN, L.
379-024-18

NORTH REMAINDER
= 32949 SQ.FT.

95-0295-B(POR)
4844 SQ.FT.

95-0295-A
43960 SQ.FT.

95-0295-B(POR)
2913 SQ.FT.

92-0171-B(POR)
1911 SQ.FT.

92-0171-A
1564? SQ.FT.

92-0171-B(POR.)
1564 SQ.FT.

92-0172-A(POR)
76 SQ.FT.

92-0172-B(POR)
692 SQ.FT.

92-0172-(POR)
5 SQ.FT.

92-0172-(POR)
3954 SQ.FT.

PARKER, W.
379-024-19

RIVERFORD ROAD

RIVERSIDE DRIVE

92-0250-A
35306 SQ.FT.

92-0250-A
12744 SQ.FT.

92-0250-A
12744 SQ.FT.

CASTER GROUP, L.P.
379-143-01

SDGAE ESMT
F/PM4-268482, 7-17-84
EXACT LOCATION UNKNOWN

LOT 129

LOT 128

MAP 1204
LAKESIDE FARMS

LOT 127

4.00' SEWER, LAKESIDE SAN. DIST.
F/M 80-229852, 11-17-80

12.00' SDGAE ESMT
F/M 80-25025, 7-7-81

SLOPE & DRAIN. ESMT
CITY OF SAN DIEGO
F/P 84-153927,
4-26-84

CITY OF SAN DIEGO
379-143-02

LOT 126

SEE SHEET 4

SEE SHEET 3

PLANS	DATE	COORDINATE INDEX
PREPARED BY: Anderson Surveying	Aug 95	N+ 000 E+ 0000
REVIEWED BY: William A. Kemp - 15831	Aug 95	N.A. HD TE +038

DEPARTMENT OF GENERAL SERVICES
REAL PROPERTY DIVISION
COUNTY OF SAN DIEGO
5555 OVERLAND AVE., SAN DIEGO, CALIFORNIA 92123-1294

RECOMMENDED BY: [signature] LS 4834 DATE: 09 NOV 95
DATE:
APPROVED FOR ACQUISITION BY: J. S. Kooney DATE: 11-16-95

REVISIONS	APPROVED	DATE	REVISIONS	APPROVED	DATE

RIGHT OF WAY PLANS
for
MAST BOULEVARD

SCALE: 1" = 40'

SHEET 2 OF 3

SEE SHEET 2

SHEET 2

PAR 2
PM 14259

RIVERSIDE ROAD

LOT 129
MAP 1204
LAKESIDE FARMS

CASTER GROUP, L.P.
379-143-01

92-0250-A
12744 SQ.FT.

92-0250-A
33506 SQ.FT.

CITY OF SAN DIEGO
379-143-02

CASTER GROUP, L.P.
382-011-14

CASTER GROUP, L.P.
382-011-13

93-0062-B
1853 SQ.FT.

93-0062-A
1232 SQ.FT.

RIVERFORD ROAD
(COTTONWOOD ROAD)

93-0061-A
795 SQ.FT.

92-0173-B
3233 SQ.FT.

92-0172-A(POR)
3954 SQ.FT.

92-0172-B(POR)
2383 SQ.FT.

92-0173-D
4439 SQ. FT.

93-0060-A
942 SQ.FT.

CITY OF SAN DIEGO
379-010-19

SEE OVERSON, ET AL
379-024-15

JARECKI TR
379-024-17

HANSEN, L.
379-024-18

NORTH REMAINDER
= 32949 SQ.FT.

92-0195-B(FOR)
4804 SQ.FT.

92-0172-A(POR)
9215 SQ.

92-0172-B(POR)
9360 SQ.FT.

PARKER, W.
379-024-19

92-0172-B(POR)
922 SQ.FT.

SOUTH REMAINDER= 80123 SQ.FT.

SOUTH REM.=
31778 SQ.FT.

MANNINGS 1990 FAMILY TRUST
379-024-11

92-0170-A
1902 SQ.FT.

92-0170-B(POR)
1215 SQ.FT.

92-0170-B(POR)
1215 SQ.FT.

TRACT B
RHO EL CAJON
CC 262

TRACT B
RHO EL CAJON
CC 262

SEE SHEET 4

CALIFORNIA COORDINATE SYSTEM
ZONE 6 NAD 83
BASIS OF BEARINGS

ALL DISTANCES AND STATIONS SHOWN ON THIS MAP ARE IN GRID UNLESS OTHERWISE SPECIFIED. TO OBTAIN GROUND DISTANCES DIVIDE GRID DISTANCES BY THE COMBINED SCALE FACTOR=0.99996945

PLANS	DATE	COORDINATE INDEX
PREPARED BY:	N= 000	E= 0000
REVIEWED BY:	W.A. NO. TE 4038	

DEPARTMENT OF GENERAL SERVICES
REAL PROPERTY DIVISION
COUNTY OF SAN DIEGO
5555 OVERLAND AVE., SAN DIEGO, CALIFORNIA 92123-1294

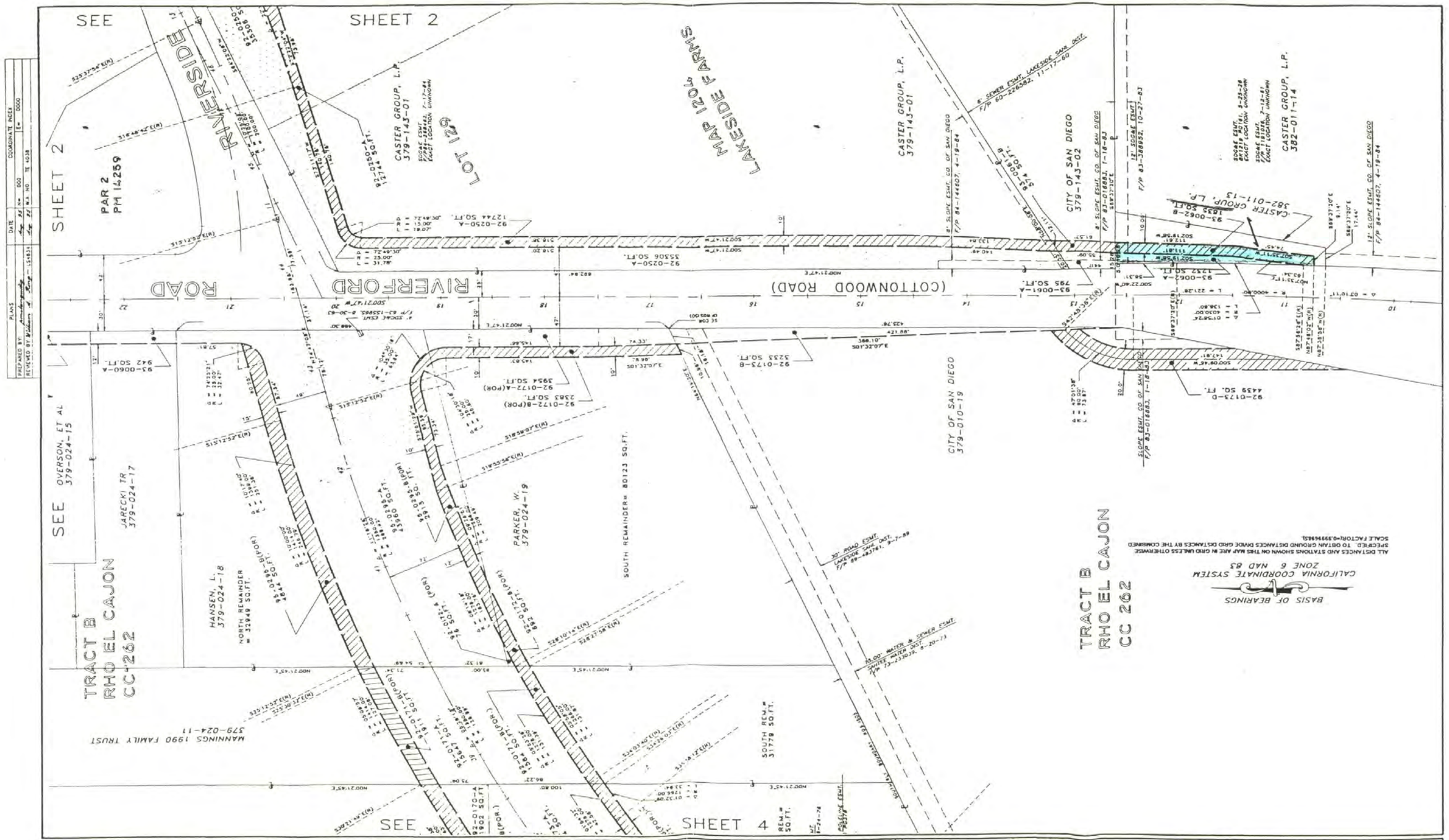
RECOMMENDED BY: W.A. LS 4838 DATE: 09 NOV 95
APPROVED FOR ACQUISITION BY: J. S. Kramer DATE: 11-18-95

REVISIONS	APPROVED	DATE	REVISIONS	APPROVED	DATE

RIGHT OF WAY PLANS
for
MAST BOULEVARD

SCALE 1" = 40'

SHEET 3 OF 5



PLANS	DATE	COORDINATE INDEX
PREPARED BY: [illegible]	2/94	00 600
REVIEWED BY: [illegible] — 15403	2/94	W.A. NO TE 1038

DEPARTMENT OF GENERAL SERVICES
REAL PROPERTY DIVISION
COUNTY OF SAN DIEGO
5555 OVERLAND AVE., SAN DIEGO, CALIFORNIA 92123-1294

RECOMMENDED BY: [illegible] LS 4624 DATE: 23 NOV 94
APPROVED FOR ACQUISITION BY: J. S. Kooyer DATE: 11-18-94

REVISIONS	APPROVED	DATE	REVISIONS	APPROVED	DATE

RIGHT OF WAY PLANS
for
MAST BOULEVARD

SCALE 1" = 40'

SHEET 3 OF 5

SEE SHEET 2

SHEET 2

PAR 2
PM 14259

RIVERSIDE ROAD

RIVERFORD ROAD

(COTTONWOOD ROAD)

LOT 129
LAKESIDE FARMS

CASTER GROUP, L.P.
379-143-01

CASTER GROUP, L.P.
382-011-14

CITY OF SAN DIEGO
379-143-02

CITY OF SAN DIEGO
379-010-19

92-0250-A
12744 SQ.FT.

92-0250-A
3506 SQ.FT.

93-0062-A
1252 SQ.FT.

93-0062-B
1635 SQ.FT.

93-0061-A
793 SQ.FT.

92-0173-B
3233 SQ.FT.

92-0172-A(POR)
3954 SQ.FT.

92-0172-B(POR)
2383 SQ.FT.

92-0173-D
4439 SQ. FT.

93-0060-A
942 SQ.FT.

92-0170-A
1902 SQ.FT.

92-0172-C(POR)
4360 SQ.FT.

92-0172-D(POR)
4844 SQ.FT.

92-0172-E(POR)
4847 SQ.FT.

92-0172-F(POR)
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92-0172-G(POR)
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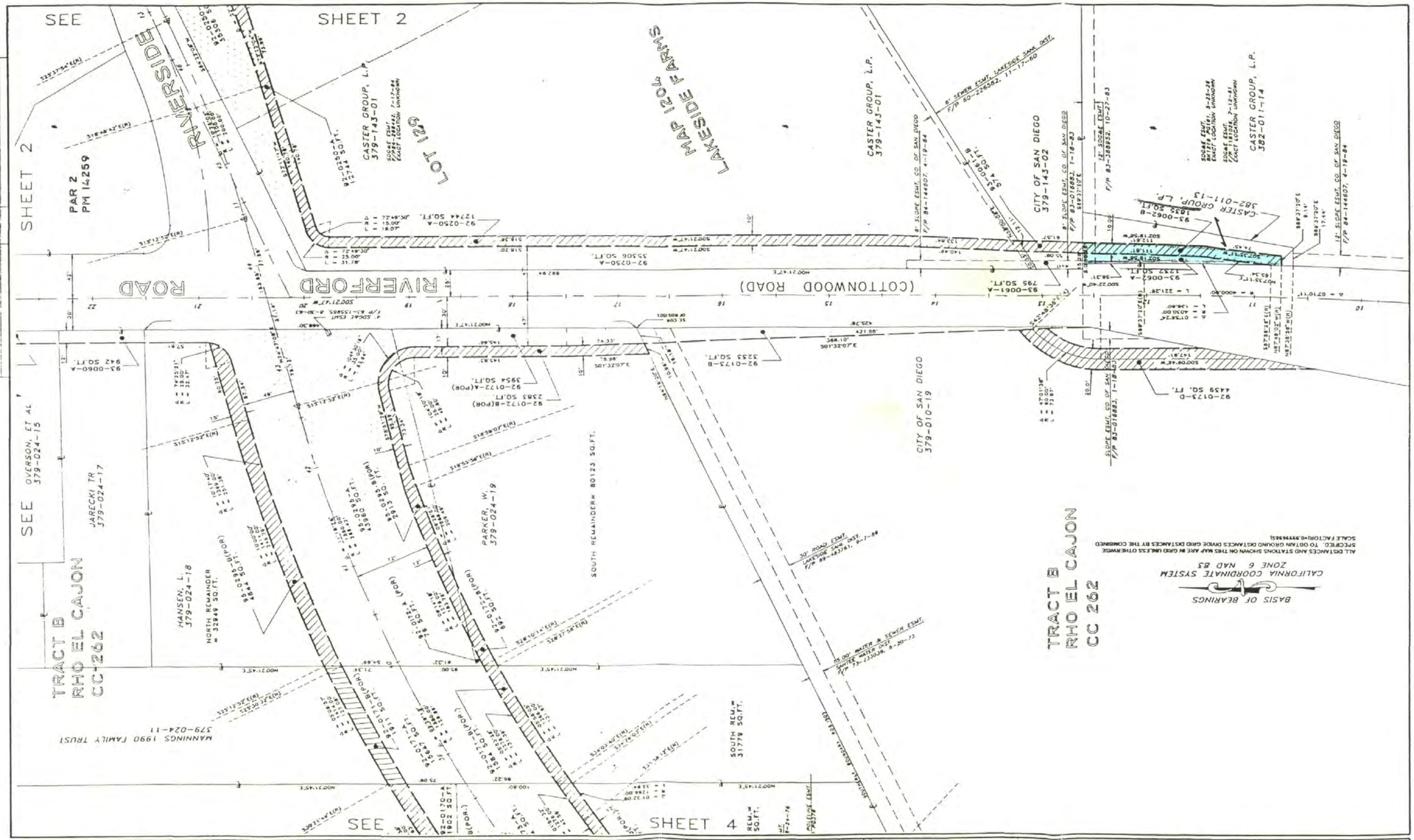
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4849 SQ.FT.

92-0172-ZC(POR)
4849 SQ.FT.

92-0



PLANS	DATE	COORDINATE INDEX
PREPARED BY:	BY:	N= 000 E= 0000
REVIEWED BY:	BY:	W.A. NO. TE 1038

DEPARTMENT OF GENERAL SERVICES
REAL PROPERTY DIVISION
COUNTY OF SAN DIEGO
5555 OVERLAND AVE., SAN DIEGO, CALIFORNIA 92123-1294

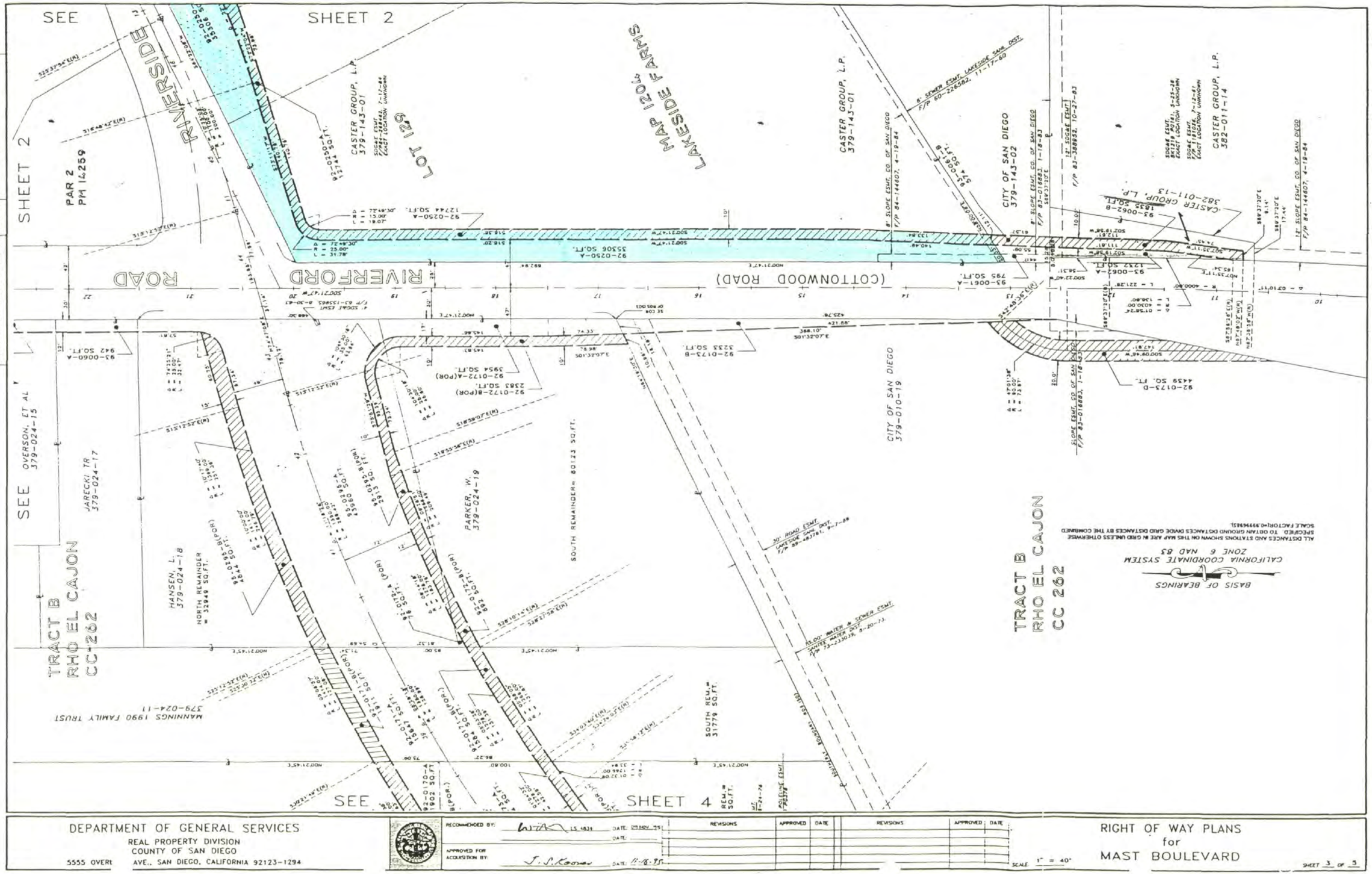
RECOMMENDED BY: _____ DATE: 03 NOV 95
APPROVED FOR ACQUISITION BY: J. S. Kaser DATE: 11-16-95

REVISIONS	APPROVED	DATE	REVISIONS	APPROVED	DATE

RIGHT OF WAY PLANS
for
MAST BOULEVARD

SCALE 1" = 40'

SHEET 3 OF 5



PREPARED BY: [illegible] DATE: [illegible]
PLANS REVIEWED BY: [illegible] DATE: [illegible]
COORDINATE INDEX 15- 0000 TR 4038

DEPARTMENT OF GENERAL SERVICES
REAL PROPERTY DIVISION
COUNTY OF SAN DIEGO
5555 OVERLAND AVE., SAN DIEGO, CALIFORNIA 92123-1294

RECOMMENDED BY: [illegible] LS 4831 DATE: 29 NOV. 95
APPROVED FOR ACQUISITION BY: J. S. Koonce DATE: 11-8-95

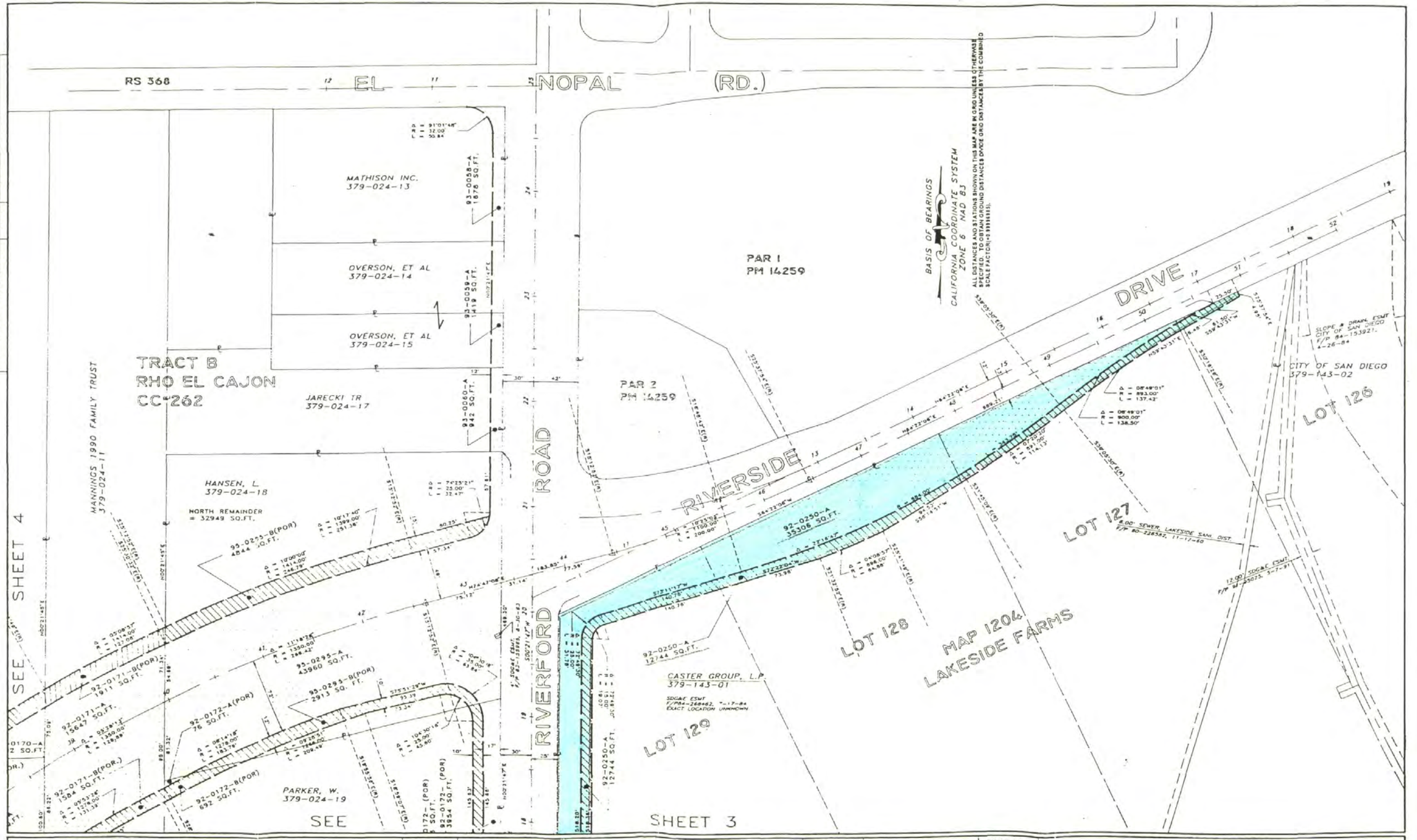
REVISIONS	APPROVED	DATE

REVISIONS	APPROVED	DATE

RIGHT OF WAY PLANS for MAST BOULEVARD

SCALE 1" = 40'

SHEET 3 OF 3



PLANS	DATE	COORDINATE INDEX
PREPARED BY: [illegible]	Aug. 84	H= 000 E= 0000
REVISED BY: William A. Kemp — 13483	Aug. 84	W.A. NO. TE 4038

DEPARTMENT OF GENERAL SERVICES
REAL PROPERTY DIVISION
COUNTY OF SAN DIEGO
5555 OVERLAND AVE., SAN DIEGO, CALIFORNIA 92123-1294

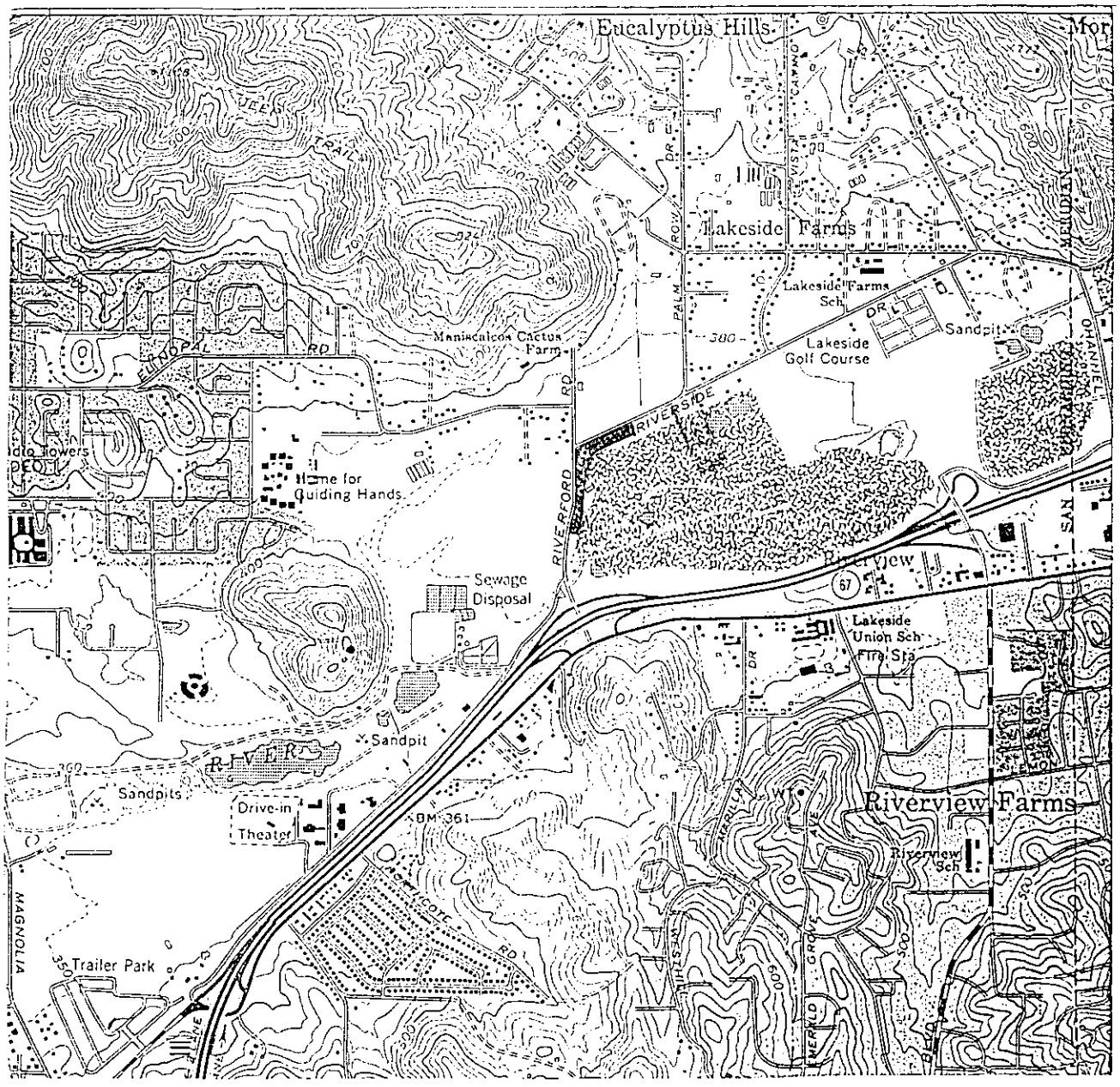
RECOMMENDED BY: [illegible] 13 4038 DATE: 05 NOV 85
DATE:
APPROVED FOR ACQUISITION BY: J. S. Keeney DATE: 11-16-85

REVISIONS	APPROVED	DATE	REVISIONS	APPROVED	DATE

SCALE: 1" = 40'

RIGHT OF WAY PLANS
for
MAST BOULEVARD

SHEET 2 OF 3



ROAD CLASIFICATIONS

Heavy Duty Road

Medium Duty Road

Light Duty Road

Unimproved Dirt Road

Source: USGS Topographic map 7.5 minute Series

2.6 inches to 1 mile

TOPOGRAPHIC MAP OF THE VICINITY OF THE SUBJECT SITE LOCATED AT RIVERFORD & RIVERSIDE DR, LAKESIDE

ENVIRONMENTAL RECORDS SEARCH

SUMMARY

LISTED BY STREET

ENVIRONMENTAL RECORDS SEARCH FOR
CASTER PROJECT
RIVERFORD & RIVERSIDE DR, LAKESIDE

Job : SCST3352
Date: 06-21-1996

ADDRESS		CITY	MAP LOC	DIR	LOCATION	SOU-RCE	STATUS
ENVIRONMENTAL CONCERNS, WITHIN 1/4 - 1/2 MILE OF THE SUBJECT SITE							
9891	RIVERFORD RD	LAKESIDE	8	S	WOODWARD SAND CO	NT	01
	STATE HWY 67 & RIVERFORD RD	LAKESIDE	11	S	WOODWARD SAND CO.	AN	NFA
11506	WOODSIDE AVE	LAKESIDE	13	S	FACILITY NAME UNK	ER	
10386	PALM ROW DR	LAKESIDE	14	NE	ARIAODO, JOE	AN	NFA
11487	WOODSIDE AVE	LAKESIDE	15	S	ORBITRON CO.	AN	NFA
11427	WOODSIDE AVE	SANTEE	16	S	BUY WRIGHT OIL	NT	5
					ANTHONY T. DITTY	LT	5R
					EL CAPITAN OIL COMPANY	NT	05
					TEXACO.	UT	87
ENVIRONMENTAL CONCERNS, WITHIN 1/2 - 3/4 MILE OF THE SUBJECT SITE							
11903	WOODSIDE AVE	LAKESIDE	17	SE	JD-35 PARTNERSHIP	NT	09
					JD-35 PARTNERSHIP	NT	09
					ACTION CYLINDER HEADS	NT	09
					ACTION CYLINDER HEADS	NT	09
					OLD PHILIPS 66 SERVICE STATION	LT	9
11905	RIVERSIDE DR	LAKESIDE	18	NE	WILLOWBROOK COUNTRY CLUB	LT	3B
ENVIRONMENTAL CONCERNS, WITHIN 3/4 - 1 MILE OF THE SUBJECT SITE							
12060	STATE HWY 67	LAKESIDE	19	E	CAL-MAT LAKESIDE	NT	09
					CAL-MAT LAKESIDE	NT	09
12027	ROCKY HOME DR	LAKESIDE	20	SE	ROCKY HOME DAIRY	LT	9
12108	WOODSIDE AVE	LAKESIDE	21	E	APPOLO OIL	LT	3B
					LAKESIDE TEXACO	NT	03
					APPOLLO OIL	NT	03
12109	WOODSIDE AVE	LAKESIDE	22	E	THRIFTY GAS #423	NT	09
					THRIFTY (ARCO)	NT	09
					THRIFTY (ARCO)	NT	09
					THRIFTY OIL CO. #423	LT	3B
					THRIFTY GAS #423	NT	09
12180	WOODSIDE AVE	LAKESIDE	23	E	H & L CO	NT	09
					H & L CO	NT	09
SITES WITH UNKNOWN OR NON-SPECIFIC LOCATION							
	RIVERFORD RD	LAKESIDE			UNK	ER	

OPERATING PERMITS ONLY FOR
CASTER PROJECT
RIVERFORD & RIVERSIDE DR, LAKESIDE

ADDRESS		CITY	MAP LOC	DIR	LOCATION	SOU-RCE	STATUS
OPERATING PERMITS ONLY, WITHIN 1/4 MILE OF THE SUBJECT SITE							
10169	RIVERFORD RD	LAKESIDE	2	SW	WOODWARD SAND & MATERIAL CO	HW	
					WOODWARD SAND & MATERIAL CO	RN	
10176	RIVERFORD RD	LAKESIDE	3	NW	DONS BACKHOE RENTAL INC	HW	
10150	RIVERFORD RD	LAKESIDE	4	S	R D REED AND SONS	HW	
10195	RIVERFORD RD	LAKESIDE	5	N	7-ELEVEN 26651	UT	93
10197	RIVERFORD RD, STE E	LAKESIDE	6	N	WAYNE'S AUTO SERVICE	HW	
11610	RIVERSIDE DR	LAKESIDE	7	NE	7-ELEVEN FOOD STORE #13666	UT	87&93
					7-ELEVEN #13666	RN	
					7-ELEVEN #13666	HW	
11611	RIVERSIDE DR	LAKESIDE	9	NE	SOUTHWEST TRACTOR PARTS INC.	HW	
OPERATING PERMITS ONLY, WITHIN 1/4 - 1/2 MILE OF THE SUBJECT SITE							
11222 N	WOODSIDE AVE	SANTEE	10	S	WEST COAST SHEET METAL	UT	93
11541	WOODSIDE AVE	SANTEE	12	S	LAKESIDE MARINE	HW	
					LAKESIDE MARINE	RN	S
SITES WITH UNKNOWN OR NON-SPECIFIC LOCATION							
	RIVERFORD RD	LAKESIDE			*LEWIS TRANSPORT CO*	RN	T

REFERENCED SOURCES

Job : SCST3352
Date: 06-21-1996

FEDERAL SOURCES

NL NATIONAL PRIORITY LIST (12/20/95)
CC CERCLIS (12/20/95)
NF NFRAP (12/20/95)
FF FEDERAL FACILITIES (12/20/95)
ER EMERGENCY RESPONSE NOTIFICATION SYSTEM (1989-1995)
SE SITE ENFORCEMENT TRACKING SYSTEM (07/18/95)
DO ENFORCEMENT DOCKET SYSTEM (DOCKET/CDETS) (01/96)
CD C-DOCKET (01/96)
RV RCRA VIOLATORS LIST (09/20/95)
FD FEDERAL ENFORCEMENT DOCKETS

CALIFORNIA STATE SOURCES

BP ANNUAL WORK PLAN (12/23/95)

BKLG	Backlog	DLST	Delisted from the AWP	AWP	Active AWP site
REFRW	Referred to the RWQB	COM	Certified, maint mode	REFRC	Referred to RCRA
CERT	Certified after remediation				

AS CALSITES (12/23/95)

PEARL	Prel Assmnt Low priority	NFA	No Further Action for DTSC	PEARM	Prel Assmnt Medium priority
EPA	EPA is the lead agency	PEARH	Prel Assmnt High priortiy	RCRA	Mitigated under the RCRA
SSR	Site Screening Required	RWQCB	Mitigated under RWQB	HRR	Hazard Ranking Required
CNTY	County lead	PRPR	PRP Search Required	OAL	Other Agency lead

AN CALSITES - NO FURTHER ACTION (12/23/95)

NFA	No Further Action	RED	Closed Case		

CS CORTESE (12/95)

WRCBT	Tank leak	DHS3	Cont large well	DHS1	Abandoned haz waste site
DHS5	section 25356	DHS2	Cont small well	CWMB	Disposal site

LT LEAKING UNDERGROUND STORAGE TANKS (01/96)

0	No action	3B	Prel site assmnt underway	7	Remedial action underway
1	Leak being confirmed	5C	Pollution characterization	8	Post remedial action monitoring
3A	Site workplan submitted	5R	Remediation plan	9	Case closed

SS SOLID WASTE INFORMATION SYSTEM (12/95)

REGIONAL SOURCES

NT TOXIC RELEASES
TP TOXIC PITS (12/95)
SR SOLID WASTE ASSESSMENT TEST - REGIONAL (08/95)
WP WELL INVESTIGATION PROGRAM

OPERATING PERMITS

RN RCRA GENERATORS (01/96)

L	Large Generator	T	Transporter	S	Small Generator

TD RCRA - TSD FACILITIES (01/96)

I	Incinerator	D	Land Disposal	T	Storage/Treatment

SA SARA TITLE III,SECTION 313 (TRIS) (01/96)
NC NUCLEAR REGULATORY COMMISSION LICENSEES (01/96)
PB PCB WASTE HANDLERS DATABASE (01/96)
PC PERMIT COMPLIANCE SYSTEM (PCS) (01/96)
AF AIRS FACILITY SYSTEM (AFS) (01/96)
PE SECTION SEVEN TRACKING SYSTEM (01/96)
FT FIFRA/TSCA TRACKING SYSTEM (01/96)
FI FEDERAL FACILITIES INFORMATION SYSTEM (FFIS) (01/96)
CI CHEMICALS IN COMMERCE INFORMATION SYSTEM (01/96)
FN FINDS EPA FACILITY INDEX SYSTEM (01/96)
HW HAZARDOUS WASTE INFORMATION SYSTEM (1984-1995)
UT UNDERGROUND STORAGE TANKS

ENVIRONMENTAL RECORDS SEARCH

LISTED BY SOURCE

INTRODUCTION

BBL has used its best effort but makes no claims as to the completeness or accuracy of the referenced government sources or the completeness of the search. Our records are frequently updated but only as current as their publishing date and may not represent the entire field of known or potential hazardous waste or contaminated sites. To ensure complete coverage of the subject property and surrounding area, sites may be included in the list if there is any doubt as to the location because of discrepancies in map location, zip code, address, or other information in our sources. For additional information call 619 793-0641.

The following government sources have been searched for sites within one mile radius,unless otherwise stated, of the subject location.

FEDERAL SOURCES

NPL National Priority List

EPA has prioritized sites with significant risk to human health and the environment. These sites receive remedial funding under the Comprehensive Environmental Response Conservation and Liability Act (CERCLA).

No listings within 1 mile radius of the subject site.

CERCLIS Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS is a data base used by the EPA to track activities conducted under the Comprehensive Environmental Response and Liability Act CERCLA (1980) and the amendment the Superfund Amendments and Reauthorization Act SARA (1986).

Sites to be included are identified primarily by the reporting requirements of hazardous substances Treatment, Storage and Disposal(TSD) facilities and releases larger than specific Reportable Quantities(RQ), established by EPA.

Using the National Oil and hazardous Substance Pollution Contingency Plan(National Contingency Plan) the EPA set priorities for cleanup.

The EPA rates National Contingency Plan sites according to a quantitative Hazard Ranking System(HRS) based on the potential health risk via any one or more pathways: groundwater,surface water, air, direct contact, and fire/explosion.

The EPA and state agencies seek to identify potentially responsible parties(PRP) and ultimately Responsible Parties(RP) who can be required to finance cleanup activities, either directly or through reimbursement of federal Superfund expenditures.

No listings within 1 mile radius of the subject site.

NFRAP No Further Remedial Action Planned sites (CERCLIS)

As of February 1995, CERCLIS sites designated 'No Further Remedial Action Planned' NFRAP have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the site being placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.

EPA has removed these NFRAP sites from CERCLIS to lift unintended barriers to the redevelopment of these properties. This policy change is part of EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens promote economic redevelopment of unproductive urban sites.

No listings within 1 mile radius of the subject site.

FEDFAC Federal Facilities

As part of the CERCLA program, federal facilities with known or suspected environmental problems, the Federal Facilities Hazardous Waste Compliance Docket is tracked separately to comply with a Federal Court order.

No listings within 1 mile radius of the subject site.

ERNS Emergency Response Notification System

The ERNS is a national computer database used to store information on unauthorized releases of oil and hazardous substances. The program is a cooperative effort of the Environmental Protection Agency, the Department of Transportation Research and Special Program Administration's John Volpe National Transportation System Center and the National Response Center.

There are primarily five Federal statutes that require release reporting:the Comprehensive Environmental Response,Compensation and Liability Act (CERCLA) section 103; the Superfund Amendments and Reauthorization Act(SARA) Title III Section 304; the Clean Water Act of 1972(CWA) section 311(b)(3); and the Hazardous Material Transportation Act of 1974(HMTA section 1808(b).

This list has been researched within half of a mile radius of the subject site.

Site: UNK
Address: RIVERFORD RD
City: LAKESIDE
Status: 8900008430 1 GAL of ACIDS (04/04/1989)
RIVER FORD RD
MATERIAL IN STOLEN CAR ILLEGAL DRUG LAB DUMP
CAOES-89-05616

Site: FACILITY NAME UNK
Address: 11506 WOODSIDE AVE
City: LAKESIDE
Map Loc: 13 - within 1/4 - 1/2 mile S of the subject
Status: 8800012512 1332 LBS of CHLORINE (04/26/1988)

SETS Site Enforcement Tracking System (SETS)

When expanding Superfund monies at a CERCLA (Comprehensive Environmental Response, Compensation and Liability Act) Site, EPA must conduct a search to identify parties with potential financial responsibility for remediation of uncontrolled hazardous waste sites. EPA regional Superfund Waste Management Staff issue a notice letter to the potentially responsible party (PRP). The status field contains the EPA ID number and name of the site where the actual pollution occurred.

No listings within 1 mile radius of the subject site.

DO Enforcement Docket System (DOCKET)/Consent Decree Tracking System (CDETS)

DOCKET tracks civil judicial cases against environmental polluters, while CDETS processes court settlements, called consent decrees.

No listings within half of a mile radius of the subject site.

CD Criminal Docket System (C-DOCKET)
01/96

The Criminal Docket System is a comprehensive automated system for tracking criminal enforcement actions. C-Docket handles data for all environmental statues and ttracks enforcement actions from the initial stages of investigations through conclusion.

No listings within half of a mile radius of the subject site.

RCRA RCRA Violators List

The Resource Conservation and Recovery Act of 1976 provides for "cradle to grave" regulation of hazardous wastes. RCRA requires regulation of hazardous waste generators, transporters, and storage/treatment/disposal sites. Evaluation to potential violations, ranging from manifest requirements to hazardous waste discharges, is typically conducted by the US EPA.

If enforcement is required, it is typically delegated to a state agency.

No listings within 1 mile radius of the subject site.

FD Federal Enforcement Dockets

The US EPA, Office of Enforcement, maintains a list of sites under enforcement by the US EPA.

No listings within 1 mile radius of the subject site.

CALIFORNIA STATE SOURCES

AW Annual Work Plan (previously known as Bond Expenditure Plan)

The California Health and Safety code, as amended by AB 129, requires the California Environmental Protection Agency to develop a site-specific expenditure plan as the basis for an appropriation of California Hazardous Substance Cleanup Bond Act of 1984 funds.

The Agency is also required to update the report annually and report any significant adjustments to the Legislature on an ongoing basis. The plan identifies California hazardous waste sites targeted for cleanup by responsible parties, the California and the Federal Environmental Protection Agency over the next five years.

Status Codes:	BKLG	Backlog, Potential Annual Work Plan Site
	AWP	Active Annual Work Plan site
	COM	Certified, but still in Operation & Maintenence mode
	CERT	Certified after remediation
	DLST	Delisted from the AWP
	REFRC	Former AWP site referred to RCRA
	REFRW	Former AWP site referred to the Regional Water Quality Board

No listings within 1 mile radius of the subject site.

CALS CALSITES

The Historical Abandoned Site Survey Program identified certain potential hazardous waste sites. The identification of these sites were generally not made via sampling and site characterization, they were made as a result of file searches and windshield surveys. Some of the sites may have had a site inspection with sampling.

The information has been compiled into this database by the California Environmental Protection Agency, Department of Toxic Substance Control (DTSC) in accordance with Section 25359.6 of the California Health and Safety Code.

This database was previously known as The Abandoned Sites Program Information System ASPIS.

Status Codes:	PEARL	Preliminary Endangerment Assessment Required,Low priority
	PEARM	Preliminary Endangerment Assessment Required,Medium priority
	PEARH	Preliminary Endangerment Assessment Required,High priortiy
	SSR	Site Screening Required
	HRR	Hazard Ranking Required
	PRPR	Potential Responsible Party Search Required
	EPA	EPA is the lead agency
	RCRA	Mitigated under the RCRA permitting program
	RWQCB	Mitigated under the lead of the Regional Water Quality Boar
	CNTY	County lead
	OAL	Other Agency lead

No listings within 1 mile radius of the subject site.

CALS CALSITES - No Further Action

This section includes the sites on the Calsite list which have been flagged for no further action by the California Environmental Protection Agency, Department of Toxic Substance Control (DTSC) in accordance with Section 25359.6 of the California Health and Safety Code.

Status Codes:	NFA	No Further Action for DTSC
	RED	Closed Case marked for removal from list

This list has been researched within half of a mile radius of the subject site.

Site: ARIAODO, JOE
Address: 10386 PALM ROW DR
City: LAKESIDE
Map Loc: 14 - within 1/4 - 1/2 mile NE of the subject
Status: NFA - No Further Action for DTSC

Site: WOODWARD SAND CO.
Address: STATE HWY 67 & RIVERFORD RD
City: LAKESIDE
Map Loc: 11 - within 1/4 - 1/2 mile S of the subject
Status: NFA - No Further Action for DTSC

Site: ORBITRON CO.
Address: 11487 WOODSIDE AVE
City: LAKESIDE
Map Loc: 15 - within 1/4 - 1/2 mile S of the subject
Status: NFA - No Further Action for DTSC

CORTESE State of California Office of Planning and Research

This database is a consolidation of information from various sources. It is maintained by the State Office of Planning and Research and lists potential and confirmed hazardous waste or substances sites.

Facilities that have been reported elsewhere in this report will not be included in the listing below.

Status Codes:	WRCBT	Tank leaks. Compiled by Water Resource Control Board
	DHS1	Abandoned hazardous waste site. Compiled by Toxic Substance Control Div. of DH
	DHS2	Contaminated public water drinking wells serving less than 200 connections. Compi
	DHS3	Contaminated public water drinking wells serving more than 200 connections
	DHS5	Sites pusuant to section 25356 of the Health and Safety Code (see BEP)
	CWMB	Solid waste disposal sites with known migration of hazardous waste

No listings within 1 mile radius of the subject site.

LUST(S) Leaking Underground Storage Tanks - California State

The Leaking Underground Storage Tanks Information System is maintained by the State Water Resource Board pursuant to Section 25295 of the Health and Safety Code.

Status Codes:	0	No action
	1	Leak being confirmed
	3A	Prel site assessment workplan submitted
	3B	Prel site assessment underway
	5C	Pollution characterization
	5R	Remediation plan
	7	Remedial action underway
	8	Post remedial action monitoring
	9	Case closed

Site: WILLOWBROOK COUNTRY CLUB
Address: 11905 RIVERSIDE DR
City: LAKESIDE
Map Loc: 18 - within 1/2 - 3/4 mile NE of the subject
Status: 3B - Prelim Site Assessment underway.

Gasoline was reported to have leaked on 02/08/93. The case is managed by a Local agency, and was last reviewed on 06/02/93.

- The leak was confirmed on 01/26/93.
- Preliminary Site Assessment was started on 02/08/93.

Site: ROCKY HOME DAIRY
Address: 12027 ROCKY HOME DR
City: LAKESIDE
Map Loc: 20 - within 3/4 - 1 mile SE of the subject

Status: 9 - Case Closed.

. The case .

Site: ANTHONY T. DITTY
Address: 11427 WOODSIDE AVE
City: SANTEE
Map Loc: 16 - within 1/4 - 1/2 mile S of the subject
Status: 5R - Remediation Plan submitted.

Gasoline was reported to have leaked on 03/22/88. The case is managed by a Local agency, and was last reviewed on 12/02/93.

- The leak was confirmed on 05/25/88.
- Preliminary Site Assessment was started on 03/22/88.
- Remediation Plan was submitted on 12/20/88.

Site: OLD PHILIPS 66 SERVICE STATION
Address: 11903 WOODSIDE AVE
City: LAKESIDE
Map Loc: 17 - within 1/2 - 3/4 mile SE of the subject
Status: 9 - Case Closed.

Gasoline was reported to have leaked on 08/18/87. Only the soil is impacted. The contaminated soil has been excavated and disposed in an approved site. The case is managed by a Local agency, and was last reviewed on 08/27/87.

- The leak was confirmed on 08/18/87.
- Preliminary Site Assessment was started on 08/27/87.
- The case was closed 08/21/87.

Site: APPOLO OIL
Address: 12106 WOODSIDE AVE
City: LAKESIDE
Map Loc: 21 - within 3/4 - 1 mile E of the subject
Status: 3B - Prelim Site Assessment underway.

Gasoline was reported to have leaked on 05/10/90. The aquifer is potentially impacted. The case is managed by a Local agency, and was last reviewed on 05/09/94.

- The leak was confirmed on 05/10/90.
- Preliminary Site Assessment was started on 03/08/93.

Site: THRIFTY OIL CO. #423
Address: 12109 WOODSIDE AVE
City: LAKESIDE
Map Loc: 22 - within 3/4 - 1 mile E of the subject
Status: 3B - Prelim Site Assessment underway.

Unleaded gasoline was reported to have leaked on 05/30/95. Only the soil is impacted. The case is managed by a Local agency, and was last reviewed on 07/25/95.
- Preliminary Site Assessment was started on 06/13/95.

SWIS Solid Waste Information System

As legislated under the Solid Waste Management and Resource Recovery Act of 1972, the California Waste Management Board maintains lists of certain facilities, i.e. Active solid waste disposal sites, Inactive or Closed solid waste disposal sites and Transfer facilities.

No listings within 1 mile radius of the subject site.

REGIONAL SOURCES

NT Toxic Releases

The California Regional Water Quality Control Boards or local Department of Health Services keeps track of toxic releases to the environment. These lists are known as Unauthorized Releases, Spill, Leaks, Investigations and Cleanups (SLIC), Non-Tank Releases, Toxics List or similar, depending on the local agency.

Site: WOODWARD SAND CO
Address: 9891 RIVERFORD RD
City: LAKESIDE
Map Loc: 8 - within 1/4 - 1/2 mile S of the subject
Status: 1 - Leak being confirmed.

Probably related to DEH/SAM case listing for H06670-001 which is a "non-tank" case related to discovery of hydrocarbons in soil boring samples by Ninyo & Moore Consultants in 1991.

Site: CAL-MAT LAKESIDE
Address: 12060 STATE HWY 67
City: LAKESIDE
Map Loc: 19 - within 3/4 - 1 mile E of the subject
Status: 9 - Case Closed.

Site: CAL-MAT LAKESIDE
Address: 12060 STATE HWY 67
City: LAKESIDE
Map Loc: 19 - within 3/4 - 1 mile E of the subject
Status: 9 - Case Closed.

Site: BUY WRIGHT OIL
Address: 11427 WOODSIDE AVE
City: SANTEE
Map Loc: 16 - within 1/4 - 1/2 mile S of the subject
Status: 5 - Remediation Plan Submitted.

Site: EL CAPITAN OIL COMPANY
Address: 11427 WOODSIDE AVE
City: SANTEE
Map Loc: 16 - within 1/4 - 1/2 mile S of the subject
Status: 5 - Remediation Plan Submitted.

Site: JD-35 PARTNERSHIP
Address: 11903 WOODSIDE AVE
City: LAKESIDE
Map Loc: 17 - within 1/2 - 3/4 mile SE of the subject
Status: 9 - Case Closed.

Site: JD-35 PARTNERSHIP
Address: 11903 WOODSIDE AVE
City: LAKESIDE
Map Loc: 17 - within 1/2 - 3/4 mile SE of the subject
Status: 9 - Case Closed.

Site: ACTION CYLINDER HEADS
Address: 11903 WOODSIDE AVE
City: LAKESIDE
Map Loc: 17 - within 1/2 - 3/4 mile SE of the subject
Status: 9 - Case Closed.

Site: ACTION CYLINDER HEADS
Address: 11903 WOODSIDE AVE
City: LAKESIDE
Map Loc: 17 - within 1/2 - 3/4 mile SE of the subject
Status: 9 - Case Closed.

Site: LAKESIDE TEXACO
Address: 12106 WOODSIDE AVE
City: LAKESIDE
Map Loc: 21 - within 3/4 - 1 mile E of the subject
Status: 3 - Assessment Underway.

Site: APPOLLO OIL
Address: 12106 WOODSIDE AVE
City: LAKESIDE
Map Loc: 21 - within 3/4 - 1 mile E of the subject
Status: 3 - Assessment Underway.

Site: THRIFTY GAS #423
Address: 12109 WOODSIDE AVE
City: LAKESIDE
Map Loc: 22 - within 3/4 - 1 mile E of the subject
Status: 9 - Case Closed.

Site: THRIFTY (ARCO)
Address: 12109 WOODSIDE AVE
City: LAKESIDE
Map Loc: 22 - within 3/4 - 1 mile E of the subject
Status: 9 - Case Closed.

Site: THRIFTY (ARCO)
Address: 12109 WOODSIDE AVE
City: LAKESIDE
Map Loc: 22 - within 3/4 - 1 mile E of the subject
Status: 9 - Case Closed.

Site: THRIFTY GAS #423
Address: 12109 WOODSIDE AVE
City: LAKESIDE
Map Loc: 22 - within 3/4 - 1 mile E of the subject
Status: 9 - Case Closed.

Site: H & L CO
Address: 12160 WOODSIDE AVE
City: LAKESIDE
Map Loc: 23 - within 3/4 - 1 mile E of the subject
Status: 9 - Case Closed.

Site: H & L CO
Address: 12160 WOODSIDE AVE
City: LAKESIDE
Map Loc: 23 - within 3/4 - 1 mile E of the subject
Status: 9 - Case Closed.

TPC Toxic Pits

The Toxic Pits Clean-Up Act (Katz Bill)places strict limitations on the discharge of liquid hazardous wastes into surface impoundments, toxic ponds, pits and lagoons. Regional Water Quality Control Boards are required to inspect all surface impoundments annually, in addition, every facility was required to file a Hydrogeological Assessment Report. Recent legislation allows the Department of Health Services to exempt facilities that closed on or before December 31, 1985, if a showing is made that no significant environmental risk remains (AB1046).

Special exemption provisions have been created for surface impoundments that receive mining wastes.

No listings within 1 mile radius of the subject site.

SWAT(R) Solid Waste Assessment Test - Regional

This program, provided for under the Calderon legislation (Section 13273 of the Water Code), requires that disposal sites with more than 50,000 cubic yards of waste provide sufficient information to the regional water quality control board to determine whether or not the site has discharged hazardous substances which will impact the environment.

Site operators are required to file Solid Waste Assessment Test reports on a staggered basis. Operators of the 150 highest ranking (Rank 1) sites were required to submit Solid Waste Assessment Tests by July 1, 1987, Rank 2 in 1988 and so on.

Operators submit water quality tests to the Regional Water Quality Control Board, describing surface and groundwater quality and supply; and the geology within 1 mile of the site. Air quality tests are submitted to the local Air Quality Management District or Air Pollution Control District.

This program is currently not funded and thus not updated.

Status Codes: Facilities or sites are ranked within each region on a scale 1-15 according to priority.

No listings within 1 mile radius of the subject site.

WIP Well Investigation Program

The Well Investigation Program (AB1803) identifies groundwater that is already contaminated and empowers the California Department of Health Services and local health officers to order ongoing monitoring programs. The focus of this program is to monitor and protect drinking water.

No listings within 1 mile radius of the subject site.

OPERATING PERMITS

Various agencies issue operating permits or regulate the handling, movements, storage and disposal of hazardous materials and require mandatory reporting. The inclusion in this section does not imply that an environmental problem exists presently or has in the past.

The sources referenced below have been searched within half a mile radius,unless otherwise stated, of the subject site.

RCRA-G Resource Conservation and Recovery Information System - Generators

The Environmental Protection Agency regulates generators of hazardous material through the Resource Conservation and Recovery Act (RCRA). All hazardous waste generators are required to notify EPA of their existence by submitting the Federal Notification of Regulated Waste Activity Form (EPA Form 8700-12) or a state equivalent form. The notification form provides basic identification information and specific waste activities.

Status Codes: L - Generators who generate at least 1000 kg/mo of non-acutely hazardous waste (or 1 kg/mo of acutely hazardous waste).
S - Generators who generate 100 kg/mo but less than 1000 kg/mo of non-acutely hazardous
T - Transporter.

Site: LEWIS TRANSPORT CO
Address: RIVERFORD RD
City: LAKESIDE
Status: T - Transporter
Permit id#: CAD982322588

Site: WOODWARD SAND & MATERIAL CO
Address: 10169 RIVERFORD RD
City: LAKESIDE
Map Loc: 2 - within 1/4 mile SW of the subject
Status: Permit id#: CAD981666456
SIC Codes: 5211
Organics:
Waste oil and mixed oil(91: 3.95 ton)
Miscellaneous:
Contaminated soil(91: 1.5 ton)

Site: 7-ELEVEN #13666
Address: 11610 RIVERSIDE DR
City: LAKESIDE
Map Loc: 7 - within 1/4 mile NE of the subject
Status: Permit id#: CAD981406929
SIC Codes: 5411 5541 5921

Site: LAKESIDE MARINE
Address: 11541 WOODSIDE AVE
City: SANTEE
Map Loc: 12 - within 1/4 - 1/2 mile S of the subject
Status: S - Small Generator
Permit id#: CAD982502379
SIC Codes: 5812

RCRA-D Resource Conservation and Recovery Information System - Treatment, Storage & Disposal

The Environmental Protection Agency regulates the treatment, storage and disposal of hazardous material through the Resource Conservation and Recovery Act (RCRA). All hazardous waste TSD facilities are required to notify EPA of their existence by submitting the Federal Notification of Regulated Waste Activity Form (EPA Form 8700-12) or a state equivalent form as well as part A (EPA form 8700-23) and Part B of their Hazardous Waste Permit Application.

Status Codes:	I	Incinerator
	T	Storage/Treatment facility other than Incinerator
	D	Land Disposal Facility

No listings within 1 mile radius of the subject site.

SARA SARA Title III,section 313 (TRIS)

Title III of the Superfund Amendments and Reauthorization Act,Section 313, also known as Emergency Planning and Community Right-to-Know Act of 1986 requires owners or operators of facilities with more than 10 employees and are listed under Standard Industrial Classification(SIC) Codes 20 through 39 to report the manufacturing, processing or use of more than a threshold of certain chemical or chemical categories listed under section 313. This data base is also known as Toxic Release Information System (TRIS).

No listings within half of a mile radius of the subject site.

NC Nuclear Regulatory Commission Licensees

The Nuclear Regulatory Commission, Office of Nuclear Material Safety and Safeguards has been mandated (10 CFR Ch 1.42) to protect the public health and safety, the common defense and security, and the environment by licensing, inspection, and environmental impact assessment for all nuclear facilities and activities, and for the import and export of special nuclear material.

No listings within half of a mile radius of the subject site.

PB PCB Waste Handlers Database

The U.S. Environmental Protection Agency tracks generators, transporters, commercial stores and/or brokers and disposers of PCB's in accordance with the Toxic Substance Control Act.

No listings within half of a mile radius of the subject site.

PCS Permit Compliance System

PCS is a database which contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS was developed by The U.S. Environmental Protection Agency to meet the information needs of the NPDES program under the Clean Water Act. PCS tracks permit, compliance, and enforcement states of NPDES facilities.

No listings within half of a mile radius of the subject site.

AFS AIRS Facility System

AFS contains emissions and compliance data on air pollution point sources tracked by the U.S. EPA and state and local environmental regulatory agencies. There are seven "criteria pollutants" for which data must be reported to EPA and stored in AIRS: PM10 (particulate matters less than 10 microns in size), carbon monoxide, sulfur dioxide, nitrogen dioxide, lead, reactive volatile organic compounds (VOC), and ozone.

AFS replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aeromatic Data (SAROAD).

No listings within half of a mile radius of the subject site.

PE Section Seven Tracking System (SSTS)

SSTS evolved from the FIFRA and TSCA Enforcement System (FATES). SSTS tracks the registration of all pesticide producing establishments and tracks annually the types and amounts of pesticides, active ingredients, and devices that are produced, sold or distributed each year.

No listings within half of a mile radius of the subject site.

FIFRA FIFRA/TSCA Tracking System/ National Compliance Database (FTTS/NCDB)

NCDB supports implementation of the Federal Insecticide, Funguside and Rodenticide Control Act (FIFRA) and the Toxic Substance Control Act (TSCA).

No listings within half of a mile radius of the subject site.

FI Federal Facilities Information System (FFIS)

Federal Faclities Informaton System (FFIS) contains a list of all Treatment Storage and Disposal Faclities (TSDs) owned and operated by federal agencies.

No listings within half of a mile radius of the subject site.

CI Chemicals in Commerce Information System (CICIS)

Chemicals in Commerce Information System contains an inventory of chemicals manufactured in commerce or imported for Toxic Substances Control Act regulated commercial purposes. CICIS allows EPA to maintain a comprehensive listing of over 70,000 chemical substances that are manufactured or imported and are regulated under TSCA.

No listings within half of a mile radius of the subject site.

FN FINDS EPA Facility Index System

The U.S. Environmental Protection Agency maintains an index system of all facilities which are regulated or have been assigned an identification number for other purposes.

Facilities that have been reported elsewhere in this report will not be included in the listing below.

No listings within half of a mile radius of the subject site.

HWIS Hazardous Waste Information System

The Department of Toxic Substance Control, California Environmental Protection Agency, maintains a a data base keeping track of the movement and disposal of hazardous waste. The data is used to support the Tanner legislation, AB 2948.

Status Codes: EPA Facility Permit Number

Site: R D REED AND SONS
Address: 10150 RIVERFORD RD
City: LAKESIDE
Map Loc: 4 - within 1/4 mile S of the subject
Status: EPA ID#: CAL000027697

Site: WOODWARD SAND & MATERIAL CO
Address: 10169 RIVERFORD RD
City: LAKESIDE
Map Loc: 2 - within 1/4 mile SW of the subject
Status: EPA ID#: CAD981666456

Organics:
Waste oil and mixed oil(91: 3.95 ton)
Miscellaneous:
Contaminated soil(91: 1.5 ton)

Site: DONS BACKHOE RENTAL INC
Address: 10176 RIVERFORD RD
City: LAKESIDE
Map Loc: 3 - within 1/4 mile NW of the subject
Status: EPA ID#: CAL000106962

Site: WAYNE'S AUTO SERVICE
Address: 10197 RIVERFORD RD, STE E
City: LAKESIDE
Map Loc: 6 - within 1/4 mile N of the subject
Status: EPA ID#: CAL920465260

Site: 7-ELEVEN #13666
Address: 11610 RIVERSIDE DR
City: LAKESIDE
Map Loc: 7 - within 1/4 mile NE of the subject
Status: EPA ID#: CAD981406929

Site: SOUTHWEST TRACTOR PARTS INC.
Address: 11611 RIVERSIDE DR
City: LAKESIDE
Map Loc: 9 - within 1/4 mile NE of the subject
Status: EPA ID#: CAL922524163

Site: LAKESIDE MARINE
Address: 11541 WOODSIDE AVE
City: SANTEE

Map Loc: 12 - within 1/4 - 1/2 mile S of the subject
Status: EPA ID#: CAD982502379

UST Permitted Underground Storage Tanks - State Water Quality Control Board

The Corteses Bill (AB2013), enacted in 1983, required registration of all underground storage tanks (UST) with the State Water Quality Control Board by July 1, 1984. About 176,000 tanks and surface impounds were registered between 1984 and 1987. An amendment (AB 1413) was passed in 1987, effectively removing the State Board from the registration process starting January 1, 1988. The data reflects the information collected by the state between 1984 and 1987 as well as 1995 and includes all tanks and surface impounds in use or closed between 1974 and 1995.

Home and farm heating fuel tanks with capacities of 1,100 gallons or less and "structures such as sumps, separators, storm drains, catch basins, oil field gathering lines, refinery pipelines, lagoons, evaporation ponds, well cellars, separation sumps, lined and unlined pits, sumps and lagoons" except those defined as UST under HSWA or may be regulated to protect water quality under the Porter-Cologne Water Quality Control Act are excluded.

Site: 7-ELEVEN 26651
Address: 10195 RIVERFORD RD
City: LAKESIDE
Map Loc: 5 - within 1/4 mile N of the subject
Status: 37013038205 (1993)

Site: 7-ELEVEN FOOD STORE #13666
Address: 11610 RIVERSIDE DR
City: LAKESIDE
Map Loc: 7 - within 1/4 mile NE of the subject
Status: 00000010240 (1987&93)
Activity: GAS STATION
Tanks: 6000 gallon, single-walled, unlined, carbon steel tank (unleaded), installed in 1979
9940 gallon, single-walled, unlined, carbon steel tank (regular), installed in 1971
9940 gallon, single-walled, unlined, carbon steel tank (premium), installed in 1971

Site: TEXACO.
Address: 11427 WOODSIDE AVE
City: LAKESIDE
Map Loc: 16 - within 1/4 - 1/2 mile S of the subject
Status: 00000016084 (1987)
Activity: GAS STATION
Tanks: 1000 gallon tank , installed in 1965

Site: WEST COAST SHEET METAL
Address: 11222 N WOODSIDE AVE
City: SANTEE
Map Loc: 10 - within 1/4 - 1/2 mile S of the subject
Status: 37013496214 (1993)

LAKESIDE LAND COMPANY
11611 RIVERSIDE DRIVE
LAKESIDE CALIFORNIA
92040

REPORT
FOR NOVEMBER 1995

THE EXCAVATION PHASE OF THE WOODWARD POND PROJECT

RP 88 009

RECEIVED
DEC 1 [illegible]
SAN DIEGO REGIONAL WATER
QUALITY CONTROL BOARD

Lakeside Land Company

11611 Riverside Drive
Lakeside California
92040

Land reclamation project RP # 88009
RWQCB

EXCAVATION ASSESSMENT PROGRAM BEGINNING DATE, Jan 13 1995
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION
9771 CLAIREMONT MESA BLVD. SUITE B.
SAN DIEGO, CALIFORNIA 92124-1331

MR. ARTHUR L. COE
EXECUTIVE OFFICER

DEAR SIR;
THE LAKESIDE LAND COMPANY LOCATED AT 11611 RIVERSIDE DRIVE IN LAKESIDE CALIFORNIA AS REQUIRED BY THE RECLAMATION PROJECT CONDITION TO REPORT MONTHLY PROGRESS WITH RESPECT TO THE EXCAVATION ASSESSMENT PROGRAM OF THE WOODWARD SAND RECLAMATION PROJECT PERMIT.

WE WISH TO REPORT THAT WORK IN RELATION TO THE EXCAVATION PHASE OF THE PROJECT. WORK HAS BEGUN AND IS ANTICIPATED TO CONTINUE TO OCCUR FOR SOME MONTHS WITH REGARD TO THAT PHASE OF THE PROJECT.

THIS REPORT WILL COVER THE PERIOD FROM AUGUST 31, 1995 UNTIL DECEMBER 31, 1995

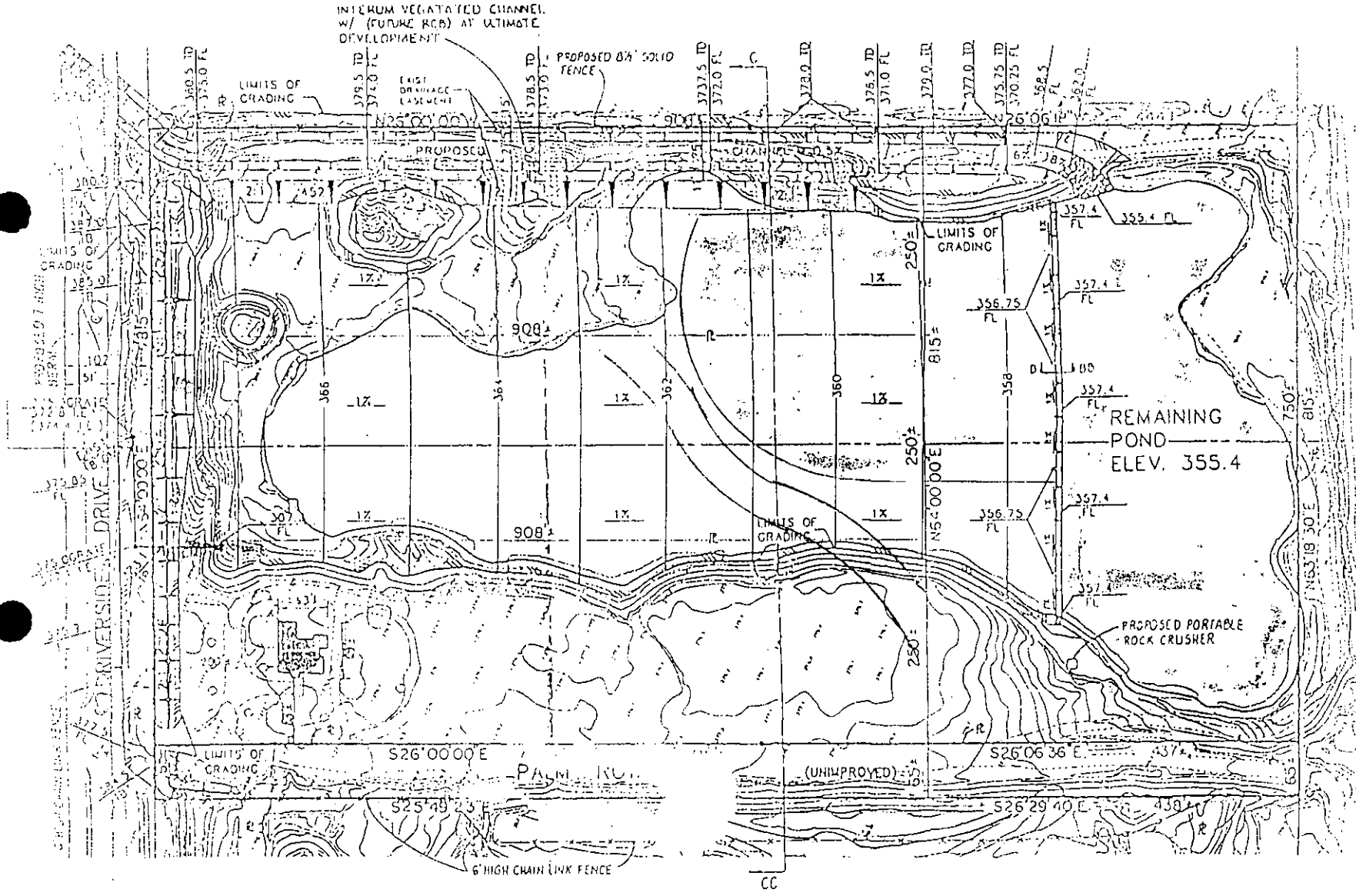
WORK ON THE EXCAVATION PHASE

WE WORKED ON THE EXCAVATION AND FILL OF THE SITE THROUGH OUT 1995 ENDING IN SEPTEMBER. NO ADDITIONAL EXCAVATION WILL BE DONE IN THIS AREA. EXCAVATION AND RECOMPACTION HAS BEEN COMPLETED IN THIS AREA.

THE SITE HAS BEEN PARTIALLY EXCAVATED TO JUST ABOVE THE GROUND WATER SURFACE. WE HAVE BEEN MONITORING THE MATERIALS DURING THE EXCAVATION, USING A METER TO DETECT VOLATILE HYDROCARBONS TODATE NONE HAVE BEEN DETECTED. WE ALSO TESTED THE EXPOSED WATER *FOR THP G & THP D, AGAIN NONE WERE DETECTED.*
THE SITE EXCAVATION SOILS ARE A COMPOSITE OF PRIMARILY CONCRETE RUBBLE, ROCK AND DIRT WITH SOME MINOR AMOUNTS OF ASPHALT RUBBLE. ALL UNSUITABLE ORGANIC MATERIALS, ROOTS, WEEDS OR OTHER UNSUITABLE FILL MATERIALS ARE REMOVED FROM THE SITE AND DISPOSED OF BY SENDING THEM TO A SANITARY LANDFILL.

Winter Dam
Landscape Plan
Filler Dam

As of Dec 1, 1995



PHASE 2 CHANNEL CONSTRUCTION & POND FILLING

SCALE: 1"=100'

RECEIVED
JAN 08 1996
SAN DIEGO REGIONAL WATER
QUALITY CONTROL BOARD

LAKESIDE LAND COMPANY
11611 RIVERSIDE DRIVE
LAKESIDE CALIFORNIA
92040

REPORT
FOR DECEMBER 1995

THE EXCAVATION PHASE OF THE WOODWARD POND PROJECT

RP 88 009

File:
MJA ✓
GTG
Bmp 2/2/96

Lakeside Land Company

11611 Riverside Drive
Lakeside California
92040

Land reclamation project RP # 88009
RWQCB
EXCAVATION ASSESSMENT PROGRAM BEGINNING DATE, Jan 13 1995
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION
9771 CLAIREMONT MESA BLVD. SUITE B.
SAN DIEGO, CALIFORNIA 92124-1331

MR. ARTHUR L. CEO 12/11/95
EXECUTIVE OFFICER

DEAR SIR;
THE LAKESIDE LAND COMPANY LOCATED AT 11611 RIVERSIDE DRIVE IN LAKESIDE CALIFORNIA AS REQUIRED BY THE RECLAMATION PROJECT CONDITION TO REPORT MONTHLY PROGRESS WITH RESPECT TO THE EXCAVATION ASSESSMENT PROGRAM OF THE WOODWARD SAND RECLAMATION PROJECT PERMIT.

WE WISH TO REPORT THAT WORK IN RELATION TO THE EXCAVATION PHASE OF THE PROJECT. WORK HAS BEGUN AND IS ANTICIPATED TO CONTINUE TO OCCUR FOR SOME MONTHS WITH REGARD TO THAT PHASE OF THE PROJECT.

THIS REPORT WILL COVER THE PERIOD FROM OCTOBER 31, 1995 UNTIL NOVEMBER 30, 1995

WORK ON THE EXCAVATION PHASE

WE WORKED ON THE EXCAVATION AND FILL OF THE SITE THROUGH OUT NOVEMBER 1995.

THE SITE HAS NOW BEEN COMPLETELY EXCAVATED TO JUST ABOVE THE GROUND WATER SURFACE ELEVATION 355. WE HAVE BEEN MONITORING THE MATERIALS THROUGH OUT THE EXCAVATION PHASE , USING A METER TO DETECT VOLATILE HYDROCARBONS. TO DATE NONE HAVE BEEN DETECTED. WE ALSO TESTED THE EXPOSED WATER FOR THP G & THP D, AGAIN NONE WERE DETECTED.
THE SITE EXCAVATION SOILS WERE A COMPOSITE OF PRIMARILY CONCRETE RUBBLE, ROCK AND DIRT WITH SOME MINOR AMOUNTS OF ASPHALT RUBBLE IN THE UPPER REGIONS. ALL UNSUITABLE ORGANIC MATERIALS, ROOTS, WEEDS OR OTHER UNSUITABLE FILL MATERIALS

HAVE BEEN REMOVED FROM THE FILL MATERIALS AT THE SITE AND DISPOSED OF BY SENDING THEM TO A SANITARY LANDFILL.

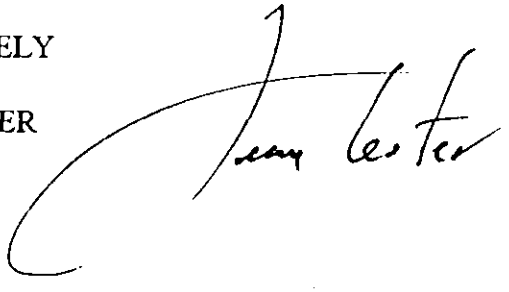
WE HAVE FINISHED THE PROCESS OF FILLING THE LAST EXCAVATED PORTION OF THE SITE AND WE ARE PREPARING TO PLANT IT WITH THE VEGETATION INDICATED IN THE PLANS AND PAVE THE BALANCE OF THE AREA.

ENCLOSURES

AN EXCAVATION / FILL PLAN INDICATING CURRENT PROGRESS. OF EXCAVATION AND FILL

SINCERELY

JL LESTER



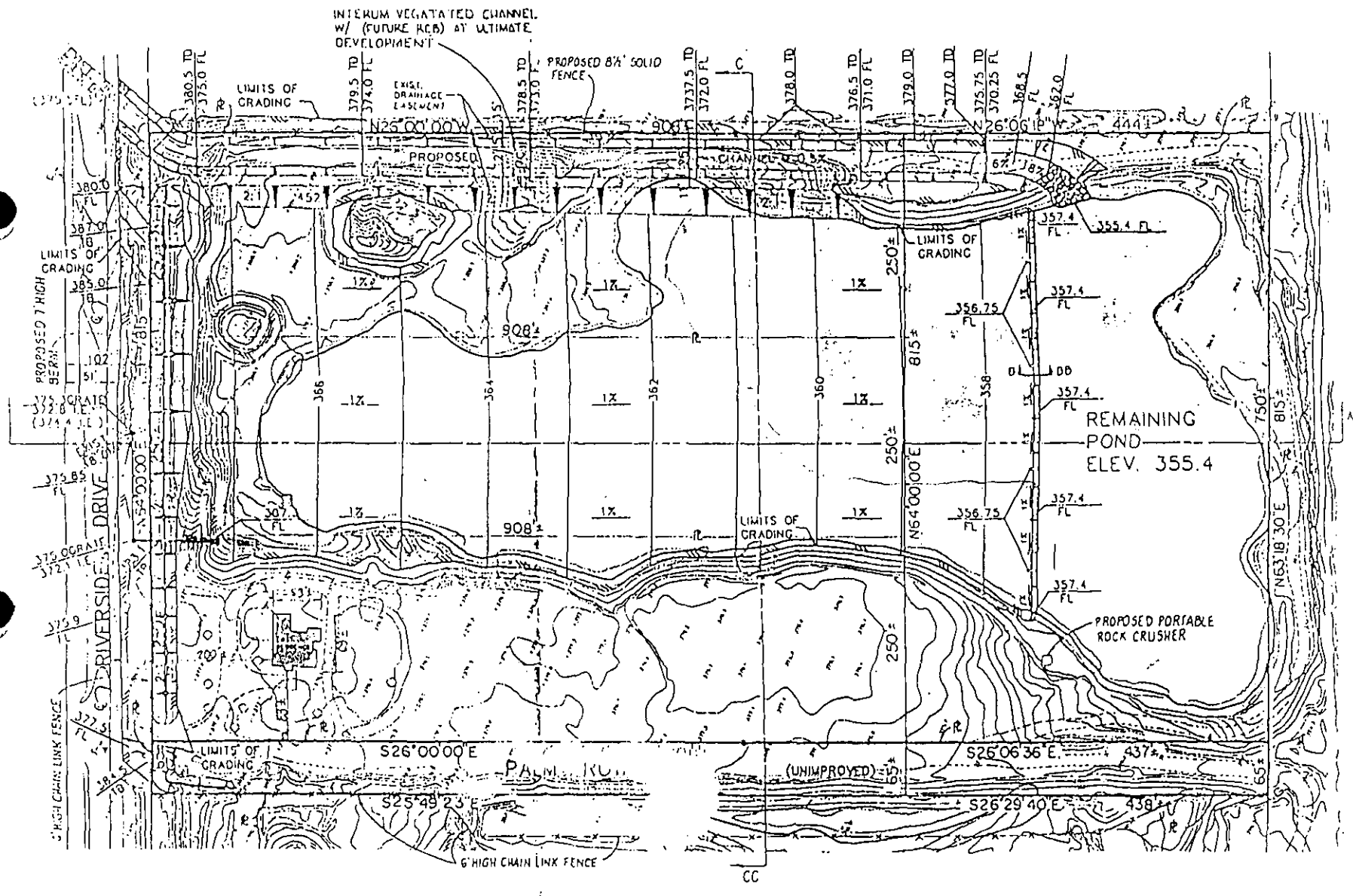
ENCLOSURES

AN EXCAVATION / FILL PLAN INDICATING CURRENT PROGRESS. OF EXCAVATION AND FILL

SINCERELY

JL LESTER

WATER AREA.
LANDSCAPE AREA AS OF OCT. 1, 1996
FILLED AREA



PHASE 2 CHANNEL CONSTRUCTION & POND FILLING

1" = 1'-0"

County of San Diego

DANIEL J. AVERA
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

COPY

OCCUPATIONAL AND RADIOLOGICAL HEALTH DIVISION
9325 HAZARD WAY
SAN DIEGO, CA 92123-1217
TEL (619) 694-3550 (S50)
FAX (619) 694-3434 (S50)

February 27, 1996

TO: David S. Solomon, Deputy Director
Department of Public Works (O-332)

FROM: Larry Marshall, Chief
Occupational and Radiological Health Division (O-566)

ACQUISITION REVIEW: MAST BOULEVARD EXTENSION

The attached staff report details results of the Occupational and Radiological Health Division's review of the above referenced project. For further information or assistance with this project, please contact Mark Middlestead, Industrial Hygienist, at (S50) 694-2118.

Daniel C. Tapper (for)

LARRY MARSHALL, Chief
Occupational and Radiological Health Division

LM:MM:pm:9596.120

Attachments

cc: Larry Horsman, Civil Engineer (O-90) (w/att)
David Felix, Hazardous Materials Spec. (D-561) (w/o att)
Dave Berquist, Hazardous Materials Spec. (D-561) (w/o att)

COUNTY OF SAN DIEGO

INTER-DEPARTMENTAL CORRESPONDENCE

February 27, 1996

TO: Dan Tappen, Supervising Industrial Hygienist
Occupational and Radiological Health Division (O-566)

FROM: Mark Middlestead, Industrial Hygienist II
Occupational and Radiological Health Division (O-566)

ACQUISITION REVIEW: MAST BOULEVARD EXTENSION

SUMMARY

I have reviewed the transaction screen questionnaire (TSQ) provided to me by the Department of Public Works (DPW) for the proposed acquisition of road, slope and drainage easements for the extension of Mast Boulevard, and the related improvements to the intersection of Riverview Drive and Riverford Road in the community of Lakeside. In addition, I have reviewed the Department of Environmental Health's (DEH) records pertaining to the site and the governmental record search conducted by VISTA.

Based on the above information, I do not concur with DPW's opinion, that is, I believe there is a reasonable possibility of hazardous material contamination in the area of the project near Riverford Road. The acquisition property (east side) is in the immediate vicinity of an unauthorized release site (Woodward Sand Company). Therefore, it is possible that contaminated soil and/or groundwater could be encountered on the proposed acquisition property.

Additionally, it is possible (due to lack of information), although not probable, that the Willowbrook Country Club and El Capitan Oil Company could impact the proposed acquisition property.

If DPW decides to pursue this project, I recommend they contact County Counsel to determine the proper course of action.

DISCUSSION

I reviewed the TSQ, the commercially prepared search of governmental records, and DEH's records for this site. These are discussed separately below.

TSQ

On January 15, 1996, I was provided with a TSQ (attached) for the site completed by Larry Horsman, Civil Engineer, Materials Testing Laboratory, DPW. According to the information provided to me, the County is proposing to acquire property for the purposes of extending Mast Boulevard to the intersection of Riverford Road and

DPW sent the TSQ to all of the affected property owners, however, not all of them responded. In the letter sent to our office by DPW, it was unclear as to whether or not the American Society for Testing and Materials (ASTM), Method E 1528 - 1993 (Standard Practices for Environmental Site Assessments: Transaction Screen Process) procedures for contacting the property owners was followed. I contacted Mr. Horsman in regards to this, and he stated that, in general, the ASTM Method was followed. As a reminder, any deviation from the procedures established by ASTM could have legal ramifications. The issue of not being able to contact 100% of the property owners is a matter best decided by County Counsel.

In completing the TSQ, Mr. Horsman indicated positive responses to questions 1 through 6, 9, 10, 19 & 23. The following is a summary of these questions:

- Questions 1 and 2 pertain to the use of the property or adjoining properties as being industrial (currently, or in the past). A "yes" answer only indicates that industrial use occurs (or had occurred) on, or adjacent to the property.

- Questions 3 and 4 deal more specifically with the type of industrial use that is, or has occurred on, or adjacent to, the property. Although the owners of the properties indicated a "no" response, DPW stated that during their site visit "minor" on-site repair of vehicles, and the possibility of storage of some hazardous materials exists. Hence, DPW indicated a positive response.

- Question 5 indicated a positive response because several discarded vehicle batteries were observed during the site visit. According to Mr. Horsman, the batteries appeared to be in good condition (i.e., not leaking or cracked).

- Question 6 indicated a "yes" response because, according to DPW, "many of the parcels containing the proposed easements have 55 gallon drums of improperly stored petroleum products and other chemicals". According to Mr. Horsman, the drums appeared to be in relatively good condition (none of the drums appeared to be leaking, or rusting out). Many of the drums were empty.

- Question 9 deals with stained soil. The owners, and DPW acknowledged that stained soil exists on the properties. However, DPW indicated that the staining was localized, and appeared to be that of ordinary vehicle drippings, or minor spillage. According to Mr. Horsman, the soil staining appeared to be from heavy equipment trucks that are parked throughout the various properties. Furthermore, Mr. Horsman clarified minor spillage as small containers of materials which were most likely dumped, knocked over, etc.

- Question 10 indicates that there are, or have been registered or unregistered storage tanks (above or underground) located on the properties. According to Mr. Horsman, there is a tank recycling facility on one of the properties. The storage tanks identified during DPW's site visit were those that had been removed, and were waiting to be recycled.

- Question 19 pertains to the dumping, burial, or burning of materials on the property. A "yes" answer indicates that one, or all of these activities has occurred on the property. Mr. Horsman informed me that he was not aware of any burial or burning of materials on any of the properties. He did state that there was evidence of materials being "dumped in small quantity (minor spillage related to normal heavy equipment usage)". Also, there are materials (i.e., "junk") scattered throughout the properties.

- Question 23, DPW consulted with the local fire department serving the property regarding whether any buildings or other improvements on the property, or adjoining properties have industrial use, or uses likely to lead to contamination of the affected property. The fire department indicated a positive response. It appears that the Lakeside Fire Protection District (LFPD) is aware of industrial uses on the properties, however, according Tom Ace, Fire Marshall, LFPD, they have not identified any environmental concerns related to petroleum products or hazardous materials on, or near, the subject easements.

Although question 22 indicated a "no" response, one Leaking Underground Storage Tank (LUST) site is within the 1/2 mile radius of the required search distance. This site is El Capitan Oil Company (11427 Woodside Avenue), and is discussed in the sections that follow.

All other items on the TSQ were either negative (i.e., did not indicate the likelihood that the site is contaminated), or not applicable.

Commercially Prepared Record Search

I reviewed the commercially prepared record search conducted by VISTA (attached). The record search included the databases required to be searched according to the American Society for Testing and Materials (ASTM), Method E 1528 - 1993 (Standard Practices for Environmental Site Assessments; Transaction Screen Process).

There were no listings under any of the required Federal databases. There was one listing under the required State databases. This was a LUST site: El Capitan Oil Company, 11427 Woodside Avenue, Lakeside. This case was also listed in the DEH records. Conclusions

Two other LUST sites were listed in the VISTA report, however, they were greater than the required search distance for the LUST database as required by the ASTM Method. These sites were Willowbrook Country Club and Old Phillips 66 Service Station. These sites are also discussed in the next section.

The report from VISTA also included some additional databases which are not required to be searched according to ASTM E 1528 - 1993. The additional databases are as follows:

State Underground Storage Tank (UST): Seven sites were listed under this database which deals only with the registration of UST's. Due to the nature of the listing, it does not appear that further action is warranted.

United States Environmental Protection Agency (USEPA) Emergency Response Notification System (ERNS): This database is used to collect information on reported releases of oil and hazardous substances. Two sites were identified under this database, however, due to the nature of the releases, and the distance from the proposed acquisition site they should not pose a problem.

USEPA Small Generators (SM GEN): This database identifies facilities which generate less than 1000 kilograms/month of non-acutely hazardous waste. Three sites were identified in the report. Due to the nature of the listing, it does not appear that further action is warranted.

USEPA Large Generators (LG GEN): Sycamore Landfill was identified as a registered large generator of hazardous waste. However, this site is several miles to the west of the proposed acquisition property, and was mistakenly recorded/plotted in the VISTA report.

<u>DEH Records</u>

I searched the DEH Hazardous Materials Management Division (HMMD) and the Site Assessment and Mitigation (SAM) databases for the above addresses, and any addresses near the project.

Many sites were identified in and around the area. Those requiring further investigation due to location and status included:



- Woodward Sand Company, 9891 Riverford Road (H06670). This site is currently a non-tank, unauthorized release site. It is situated just to the east of the acquisition property, across Riverford Road. I contacted Dave Berquist, Hazardous Materials Specialist, SAM, about this site. He stated that the site is a "total conglomeration of potential contamination", and that "extensive" site assessment is necessary. To his knowledge, nothing has been done at the property as far as site assessment and mitigation. I reviewed the case file.

Soil borings, collected by a consulting company (Ninyo & Moore), suggested the possibility of gasoline and/or diesel contamination, and waste oil, or similar type chemical compounds. Several potential sources of the contamination were identified by SAM during their site visit. In a letter, dated April 6, 1993, SAM requested the owner of the property to conduct a complete site assessment of their property in order to determine the full extent of contamination. In addition, SAM requested that the potential groundwater contamination impact be assessed and delineated. It appears that neither of these requests have been performed. Due to the nature of the property, and its distance, it is possible that contaminants may be impacting the proposed acquisition property.

- Willowbrook Country Club, 11905 Riverside Drive (H28485). This is currently an unauthorized release site, and is approximately 3/4 of a mile to the east of the acquisition property. I discussed the site with Mr. Berquist. He indicated that a remediation workplan was approved in 1993, however, to his knowledge, the workplan has not been implemented. I reviewed the case file. The workplan was approved with a provision by SAM that the owner determine the extent of potential groundwater impact. It does not appear that this has been done. Since the extent of contamination is unknown, and the groundwater gradient is from east to west (towards the acquisition property), and the soil at the unauthorized release site is sandy, it is possible that contamination has moved off-site towards the acquisition property.

- El Capitan Oil Company, 11427 Woodside Avenue (H19469). This site is also listed under the names Anthony T. Ditty, Buy Wright Oil Co., and San Diego Building Maintenance. This site has been an unauthorized release case since 1988. It is located approximately 3/4 of a mile to the south of the acquisition site. I reviewed the case file. In 1988 SAM informed the property owner that remediation of groundwater and soil are required at the site. In 1990 SAM issued a follow-up letter stating that they have not received any written reports on the progress of the unauthorized release investigation. The case file did not indicate that any remediation work has been done at the site. I contacted David Felix, Hazardous Materials Specialist, SAM. Mr. Felix confirmed that no clean-up has been performed on the site, and that the site assessment is not completely finished. In summary, it is unknown as to whether or not contaminants from this site may be affecting the proposed acquisition property.

In addition, the following sites had unauthorized releases, but the files indicated that the cases were closed:

- Y Tire Sales, 11719 Woodside Avenue, (H35322).
- Old Phillips 66 Service Station, 11903 Woodside Avenue (H11391). Other names for this site are Action Cylinder Heads and JD-35 Partnership.
- Rocky Home Dairy, 12027 Rocky Home Drive (H20537).
- Mobil Service Station, 9750 Magnolia Avenue (H20825).

Two sites are located on the south side of El Nopal Street in Lakeside. Both of these sites are in the area of the proposed acquisition and are listed below:

- Hilliker Farms, 11329 El Nopal, (H99181). The HMMD records indicate that this site has two above ground storage tanks (diesel and propane), one underground storage tank, and approximately 5 gallons of Black Leaf 40. The HMMD files do not indicate any unauthorized releases from this site. According to John Blocker, Supervisor Agriculture Standards Inspections, Agriculture, Weights and Measures, Black Leaf 40 is used for mite control. Mr. Blocker stated that typically this type of business activity uses chemicals mainly to control flies. And, that these chemicals are usually organophosphates and carbamates which break down relatively quickly. However, he did state that Hilliker Farms has been around for a "long time", and it is unknown as to whether or not, in the past, they used any pesticides that may have left residuals such as chlordane and DDT, which are currently prohibited.
- The Pinery. I could not obtain an address for this site, and it is not listed in the HMMD records. I spoke with Mr. Blocker, he stated that typically tree farms use organophosphates and carbamates as pesticides.

Pacific Crest Services, 7-Eleven, Jack Williams Auto Body & Paint, Santana High School, Motorhome Specialists, Custom Craft Marble, Philip Thearles Autowerks, Coast Gear Inc., Toyotalift Inc., Ricks Machine Shop, and A&J Auto Repair are all in the vicinity, but the records do not indicate conditions that warrant further investigation.

In addition, I searched the complaint files. There were numerous complaints filed in the area, however, based upon distance from the acquisition property, nature of the complaints and/or their resolutions, none of them would appear to impact the project.

CONCLUSIONS/RECOMMENDATIONS

After a review of the TSQ, the commercially prepared record search, and DEH records, I do not concur with DPW's opinion, that is, I believe there is the reasonable possibility of hazardous material contamination to the acquisition property from the Woodward Sand Company site. If contamination is found, workers on the property would have to meet the California Occupational Safety and Health Administration's (Cal/OSHA) requirements found in Title 8, California Code of Regulations, Section 5192 (for clean-up of a contaminated site). Disposal of contaminated soil, and contaminated water may also be an issue.

The Willowbrook Country Club and El Capitan Oil Company are approximately 3/4 and 1/2 mile away, respectively. It would appear that these sites would not impact the proposed acquisition property, however, due to lack of sufficient data (i.e., monitoring information), these sites cannot be ruled out as a potential sources of contamination.

Many of these parcels store heavy construction equipment and other vehicles. It appears that hazardous materials and wastes could be located on many of the properties. During the walkthrough, Mr. Horsman noted a strong petroleum odor in some of the areas. Prior to acquisition of property, DPW should require the current property owners to remove all of their usable hazardous materials, and properly dispose of all of their hazardous wastes. All questions regarding proper disposal of hazardous wastes should be directed to the County HMMD Duty Desk at 338-2231. If the County purchases the properties with the hazardous materials in place, it would be the County's responsibility to transport all hazardous materials and hazardous waste stored on the properties off-site.

Mr. Horsman reported that soil staining appears to be localized, with no obvious environmental concerns. DPW feels minor amounts of soil contamination may be encountered during the proposed road construction and can be dealt with by standard contract provisions. DPW should investigate whether the provision in the Department of General Services (DGS) contract language regarding discovery of hazardous materials, including petroleum products, is sufficient for this type of project.

Based on the potential agricultural use for Hilliker Farms and the Pinery, it is possible that the soil contains residual pesticide levels. If DPW will be acquiring parts of these properties as part of the acquisition, further investigation into potential pesticide residuals may be necessary.

If DPW must pursue this project, I recommend that they contact County Counsel for advice on how to proceed.

If you have any questions, please contact me.

MARK MIDDLESTEAD, Industrial Hygienist II
Occupational and Radiological Health Division

MM:pm:9596.120

Attachments

COUNTY OF SAN DIEGO

DEPARTMENT OF PUBLIC WORKS

INTRADEPARTMENTAL CORRESPONDENCE

Department of Public Works

January 10, 1995

TO: Dan Tappen
Supervising Industrial Hygienist
Occupational and Radiological Health Division
Department of Environmental Health Services (MS 0556)

FROM: David S. Solomon, Deputy County Engineer
Department of Public Works DSS by JCG (MS 090)

HAZARDOUS MATERIALS REVIEW FOR THE ACQUISITION OF ROAD, SLOPE, AND DRAINAGE EASEMENTS FOR THE EXTENSION OF MAST BOULEVARD AND RELATED IMPROVEMENTS TO THE INTERSECTION OF RIVERVIEW DRIVE, RIVERFORD ROAD, AND MAST BOULEVARD IN THE COMMUNITY OF LAKESIDE, CA; ACTIVITY NO. UJ1113.

PROJECT DESCRIPTION: Road, slope, and drainage easements are to be acquired for the purpose of constructing an extension of Mast Boulevard from Riverford Road approximately 1/2 mile to the west from the intersection of Riverside Drive and Riverford Road. Improvements to the Riverside/Riverford intersection will involve work extending approximately 1/9 mile to the east, 1/4 mile to the south, and 1/13 mile to the north.

PROPERTY DESCRIPTION: The subject parcels of land are located within the boundaries of the UPPER SAN DIEGO RIVER IMPROVEMENT PROJECT (USDRIP) SPECIFIC PLAN. These parcels lie within the flood plain of the upper San Diego River along the north side of the river channel. Please see the attached "Right Of Way Plans for Mast Boulevard" prepared by the Real Property Division of the Department of General Services. (Attached as "EXHIBIT A").

ASSESSOR'S PARCEL NUMBER AND APPROXIMATE STREET ADDRESSES:
Due to the large number of parcels and addresses involved please refer to the attached "Right Of Way Plans for Mast Boulevard." The addresses shown with the parcels were provided by the street address personnel of the Department of Environmental Health.

SITE RECONNAISSANCE: DPW recently conducted a field reconnaissance in the vicinity of the proposed easement acquisitions. Temperatures at the time of the field reconnaissance were in the low to mid 70's (Fahrenheit) and skies were clear with excellent visibility.

Many of the parcels containing the proposed easements have 55 gallon drums of improperly stored petroleum products and other chemicals. Many of these parcels are used for heavy construction equipment or truck storage with associated construction and industrial materials. Discarded vehicle batteries (2 total) were observed at one location. A large number of salvaged UST's were observed on APN 379-024-22. A portable toilet and dumpster business appear to be located on APN 379-024-08. There were a large number of 55 gallon drums along the southerly border of the chicken ranch just north of APN 379-024-23. Many of the parcels also have varying amounts of construction debris and trash onsite. There is a strong odor of petroleum products in some of the areas of heavy equipment and truck storage, although this is not particularly unusual for areas supporting this type of use.

While some localized soil staining was observed that appeared to be ordinary vehicle drippings and or minor spillage of petroleum products, there were no obvious environmental concerns related to observable releases of large quantities of petroleum products, pesticides, or other hazardous materials. It can be anticipated that some areas will have somewhat elevated levels of heavy metals in the soil related to the operation and storage of heavy trucks and construction equipment.

In order to better assess the true condition of the parcels containing the proposed easements with respect to hazardous materials and petroleum products, DPW has requested that HMMD visit the businesses operating on or near the subject easements and verify whether or not they are operating in compliance with all applicable environmental regulations. The person at HMMD that has been contacted regarding this matter is Sylvia Mosse.

Other than the gas station operated by the 7/11 Minimart at the northeast corner of Riverford Road and Riverside Drive there were no obvious indications of underground fuel tanks observed during the field reconnaissance.

There is a construction storage yard at the northwest corner of Riverford Road and El Nopal. In addition to vehicle storage, at least two used petroleum products storage tanks were stored on the lot with "for sale" signs. This site has also been referred to HMMD for review.

No unusual areas of distressed vegetation were noted in or near the ~~areas of the proposed easement acquisitions. It should be noted~~ that little or no vegetation exists on some parcels.

The most westerly end of the proposed project will be on vacant land that appears to have been used for agriculture in the recent past. Just to the east of this above parcel is a tree farm (Pinery). There are no visible signs of environmental concern with respect to hazardous materials or petroleum products on these parcels.

No surface waters were observed during the field reconnaissance. The existing drainage in the immediate vicinity of the subject road improvements is poorly defined due to the relatively flat topography. In general, the surface drainage sheet flows from north to south and from east to west toward and along the river channel.

SOIL DESCRIPTION: Soil maps prepared by the United States Department of Agriculture, Soil Conservation Service, have also been researched (see "EXHIBIT B" attached). Soils in the area have been mapped as Visalia sandy loam(VaA) on 0-2% slopes. This soil type is derived from granitic alluvium. These soils are characterized as having moderate erosion hazard and low shrink-swell behavior. This material normally extends to a depth of 60 inches or more.

Observations made during the field reconnaissance are consistent with the soil mapping information.

HYDROLOGY: Annual rainfall in the area is 12 - 15 inches a year. Groundwater depth is unknown. The subject project lies within the flood plain of the San Diego River. General drainage is as described at the end of the **SITE RECONNAISSANCE** section.

LAND USE: The USDRIP Specific Plan area is essentially urbanized and currently contains an assortment of commercial, industrial, residential, and institutional uses. A review of old aerial photographs indicates that prior to the current mix of uses the area was used primarily for agriculture.

RECORDS SEARCH: A record search of governmental databases related to hazardous materials that meets or exceeds ASTM E-152 standards was contracted out to Vista Environmental Information, Incorporated. A copy of this report is included at the end of this report as "EXHIBIT C".

The following is a summary of the Vista report. There are no US EPA National Priority List(or California equivalent) sites within 1 mile of the proposed project. There are no US EPA CERCLIS(or California equivalent) sites listed within 1 mile. There are no US EPA TSD facilities listed within 1 mile of the proposed project.

There are 3 State LUST sites listed within 1 mile of the project (one (1) of these LUST sites is listed within 5/8 mile). Two (2) of these UST sites are on the other side of the San Diego River and are not considered credible sources of environmental concern for the subject project. The other UST listing is "8" on the Vista report and is listed as being 0.81 miles to the east. Due to distance and topography, it is not believed that this site poses a credible cause for environmental concern with respect to the subject project.

The other listed sites within 1 mile are either permitted UST sites or are sites located on the south side of the river channel with no indication of environmental concerns related to petroleum products or hazardous materials.

The SAN DIEGO COUNTY ENVIRONMENTAL ASSESSMENT LISTING (Public Use) with 3/28/95 revision date has also been researched. None of the subject parcels where easements are to be acquired are listed. The only listing found that was not in the Vista report is 9891 Riverford Road, Woodward Sand Company. The case type for this listing is "NON-TANK/PERMITTED SITE" and the case status is identified as "LEAK BEING CONFIRMED". Due to distance and topography it is not believed that this site poses a credible environmental concern with respect to hazardous materials or petroleum products and the proposed project.

FIRE DEPARTMENT CONTACT: The Lakeside Fire Protection District (LFPD) was contacted by DPW with regard to the proposed project. The person contacted at the Lakeside Fire Protection District is Tom Ace, Fire Marshall. Mr. Ace indicated that the businesses have not called for inspection or undergone any recent formal review by the Lakeside Fire Protection District. The LFPD is not aware of any releases of petroleum products or hazardous materials on the subject parcels. There are no LFPD identified environmental concerns related to petroleum products or hazardous materials on or near the subject easements. Mr. Ace indicated the Lakeside Fire Protection District does have a interest in inspecting the businesses operating in this area. The phone number for the Lakeside Fire Protection District is (619) 390-2350.

PROPERTY OWNER INPUT: An attempt was made to contact the current property owners of the parcels containing the subject easements. Each of the property owners was sent a questionnaire containing questions 1-20 of the "TRANSACTION SCREEN QUESTIONNAIRE" by certified mail. Some of the property owners have responded to the questionnaire. None of the respondents have indicated any significant environmental concerns related to hazardous materials or petroleum products.

CONCLUSION: Based on the site inspection, review of topography and soil maps, contact with the local fire department, and the environmental record search performed by Vista Environmental Information, Inc., there is no evidence of any significant environmental concern with respect to hazardous materials and the subject easements. It is likely that minor amounts of soil contamination may be encountered during the proposed road construction. This is not unusual and will be dealt with according to standard contract provisions and in accordance with all appropriate regulatory requirements. The Real Property Division of General Services includes discovery language in the easement contracts to alert the County to any environmental concerns related to hazardous materials or petroleum products (see attached "Exhibit D"). It is the opinion of DPW that the level of investigation performed to date is adequate and reasonable, and that no further inquiry related to hazardous materials is necessary before proceeding with the proposed easement acquisitions.

TIMELINE REQUEST: Please provide DPW with an estimate of the time required to complete the processing, review, and written response to this report. Due to schedule exigencies it is requested that the ORHD process this as expeditiously as possible. Information regarding scheduling should be transmitted to Larry Horsman at the DPW Materials Lab (Sancontel 750-2842).

COUNTY OF SAN DIEGO
TRANSACTION SCREEN QUESTIONNAIRE (TSQ)

PROJECT NAME: MAST BOULEVARD (NEW EXTENSION WEST OF RIVERFORD)

DEPARTMENT INITIATING THE PROJECT: DPW / ENGINEERING SERVICES

PROJECT MANAGER: ALLEN HOLMQUIST

TELEPHONE: 619(694-2815) THOMAS BROTHERS: 1231 G-3/4 1996 EDITION

LOCATION AND LIMITS OF PROPOSED PROJECT:

THE PROPOSED PROJECT IS IN THE LAKESIDE COMMUNITY NEAR THE INTERSECTION OF RIVERFORD ROAD & RIVERSIDE DRIVE. A PORTION OF MAST BOULEVARD APPROXIMATELY 1/2 MILE LONG WILL BE CONSTRUCTED STARTING @ RIVERFORD AND EXTENDING WEST. IMPROVEMENTS WILL ALSO BE MADE TO ADJOINING PORTIONS OF RIVERFORD ROAD AND RIVERSIDE DRIVE.

OCCUPATIONAL AND RADIOLOGICAL HEALTH DIVISION'S (ORHD) RECOMMENDATION:

CONCUR WITH PROJECT MANAGER'S FINDINGS: _____

DO NOT CONCUR WITH PROJECT MANAGER'S FINDINGS: _____

(PLEASE SEE REVERSE SIDE OF THIS PAGE FOR ORHD'S RATIONALE)

INSTRUCTIONS

BEFORE YOU CONDUCT THE SITE VISIT OF THE PROPOSED PROJECT SITE, PLEASE TAKE TIME TO READ THE HAZARDOUS MATERIALS INVESTIGATIONS; SITE ASSESSMENT AND MITIGATION PROCEDURES FOR ALL COUNTY DEPARTMENTS POLICY, (REFERENCED IN THE COUNTY OF SAN DIEGO ADMINISTRATIVE MANUAL ITEM NUMBER _____), SO YOU CAN BECOME FAMILIAR WITH THE PROCESS.

AS YOU CONDUCT THE SITE VISIT OF THE PROPOSED PROJECT SITE, PLEASE COMPLETE THE INFORMATION AS REQUESTED IN THIS TRANSACTION SCREEN QUESTIONNAIRE (TSQ) AND SUBMIT THE QUESTIONNAIRE ALONG WITH A GENERAL PROJECT DESCRIPTION, TO THE OCCUPATIONAL AND RADIOLOGICAL HEALTH DIVISION (ORHD), DEPARTMENT OF HEALTH SERVICES, (MS-0561D), FOR REVIEW AND CONCURRENCE.

NOTE: FOR REFERENCE PURPOSES, THE TSQ CORRESPONDS TO INSTRUCTIONS/DISCUSSION AS COVERED IN THE AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) E 1528-93, STANDARD PRACTICE FOR ENVIRONMENTAL SITE ASSESSMENTS: TRANSACTION SCREEN PROCESS.

PROJECT MANAGER'S ASSESSMENT OF PROPOSED PROJECT SITE (OR ADDITIONAL INFORMATION AS DEEMED NECESSARY):

LARRY HORSMAN for ALLEN HOLMQUIST
THERE DOES NOT APPEAR TO BE ANY SIGNIFICANT ENVIRONMENTAL CONCERNS RELATED TO HAZARDOUS MATERIALS OR PETROLEUM PRODUCTS AND THE PROPOSED EASEMENT ACQUISITIONS. IT IS DPW'S OPINION THAT NO FURTHUR INQUIRY INTO RECOGNIZED ENVIRONMENTAL CONDITIONS IS NEEDED FOR PURPOSES OF APPROPRIATE INQUIRY

ORHD RATIONALE:

SIGNATURE: _____ **DATE:** _____

W.A. : UJ1113

Description of Site:

EXTENSION OF MAST BOULEVARD FROM RIVERFORD RD. AND RIVERSIDE DRIVE INTERSECTION SOUTHWESTERLY FOR APPROXIMATELY 1/2 MILE AND ASSOCIATED APPROAC IMPROVEMENTS. PARCELS AFFECTED ARE RELATIVELY FLAT AND LOCATED IN AN URBANIZED AREA

Question	Owner[7]	Occupants (if applicable)	Observed During Site Visit
1. Is the property or any adjoining property used for an industrial use?	(Yes) No Unk	Yes No Unk	(Yes) No Unk
2. To the best of your knowledge, has the property or any adjoining property been used for an industrial use in the past?	(Yes) No Unk	Yes No Unk	(Yes) No Unk
3. Is the property or any adjoining property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	Yes (No) Unk	Yes No Unk	(Yes) No Unk (MINOR ONSITE REPAIR SOME STORAGE PROBABLE
4. To the best of your knowledge has the property or any adjoining property been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	Yes (No) Unk	Yes No Unk	(Yes) No Unk (SEE ABOVE)
5. Are there currently, or to the best of your knowledge have there been previously, any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of greater than 5 gal (19 L) in volume or 50 gal (190 L) in the aggregate, stored on or used at the property or at the facility?	(Yes) No Unk	Yes No Unk	(Yes) No Unk
6. Are there currently, or to the best of your knowledge have there been previously, any industrial drums (typically 55 gal (208 L)) or sacks of chemicals located on the property or at the facility?	(Yes) No Unk	Yes No Unk	(Yes) No Unk
7. Has fill dirt been brought onto the property that originated from a contaminated site or that is of an unknown origin?	Yes (No) Unk	Yes No Unk	Yes (No) Unk
8. Are there currently, or to the best of your knowledge has there been previously, any pits, ponds, or lagoons located on the property in connection with waste treatment or waste disposal?	Yes (No) Unk	Yes No Unk	Yes (No) Unk

[7]Unk = "unknown" or "no response."

Question	Owner	Occupants (if applicable)	Observed During Site Visit
9. Is there currently, or to the best of your knowledge has there been previously, any stained soil on the property?	(Yes) No Unk	Yes No Unk	(Yes) No Unk
10. Are there currently, or to the best of your knowledge have there been previously, any registered or unregistered storage tanks (above or underground) located on the property?	(Yes) No Unk	Yes No Unk	(Yes) No Unk
11. Are there currently, or to the best of your knowledge have there been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?	Yes (No) Unk	Yes No Unk	Yes (No) Unk
12. Are there currently, or to the best of your knowledge have there been previously, any flooring, drains, or walls located within the facility that are stained by substances other than water or are emitting foul odors?	Yes (No) Unk	Yes No Unk	Yes (No) Unk
13. If the property is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system or has the well been designated as contaminated by any government environmental/health agency?	~~Yes No Unk~~ NOT APPLICABLE	~~Yes No Unk~~	~~Yes No Unk~~
14. Does the owner or occupant of the property have any knowledge of environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the property or any facility located on the property?	Yes (No) Unk	Yes No Unk	Yes No Unk
15. Has the owner or occupant of the property been informed of the past or current existance of hazardous substances or petroleum products or environmental violations with respect to the property or any facility located on the property?	Yes (No) Unk	Yes No Unk	Yes No Unk NOT APPLICABLE
16. Does the owner or occupant of the property have any knowledge of any environmental site assessment of the property or facility that indicated the presence of hazardous substances or petroleum products on, or contamination of, the property or recommended further assessment of the property?	Yes (No) Unk	Yes No Unk	Yes No Unk
17. Does the owner or occupant of property know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?	Yes (No) Unk	Yes No Unk	Yes No Unk
18. Does the property discharge waste water on or adjacent to the property other than storm water into a sanitary sewer system?	Yes (No) Unk	Yes No Unk	Yes (No) Unk

Question	Owner	Occupants (If applicable)	Observed During Site Visit
19. To the best of your knowledge, have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the property?	Yes / No Unk	Yes No Unk	Yes No Unk
20. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?	Yes (No) Unk	Yes No Unk	Yes (No) Unk

NOT DUMPED IN QUANTITY. SOME MINOR SPILLAGE RELATED TO NORMAL HEAVY EQUIPMENT USAGE

Government Records/Historical Sources Inquiry

(See guide, Section 10)

21. Do any of the following Federal government record systems list the property or any property within the circumference of the area noted below:

National Priorities List - within 1.0 mile (1.6 Km)?	Yes (No)
CERCLIS List - within 0.5 mile (0.8 Km)?	Yes (No)
RCRA TSD Facilities - within 1.0 mile (1.6 Km)?	Yes (No)

22. Do any of the following state record systems list the property or any property within the circumference of the area noted below:

List maintained by state environmental agency of hazardous waste sites identified for investigation or remediation that is the state agency equivalent to NPL - within approximately 1.0 mile (1.6 Km)?	Yes (No)
List maintained by state environmental agency of sites identified for investigation or remediation that is the state equivalent to CERCLIS - within 0.5 mile (0.8 Km)?	Yes (No)
Leaking Underground Storage Tank (LUST) List - within 0.5 mile (0.8 Km)?	Yes (No)
Solid Waste/Landfill Facilities - within 0.5 mile (0.8 Km)?	Yes (No)

23. Based upon a review of fire insurance maps or consultation with the local fire department serving the property, all as specified in the guide, are any buildings or other improvements on the property or on an adjoining property identified as having been used for an industrial use or uses likely to lead to contamination of the property? (Yes) No N/A

The preparer of the transaction screen questionnaire must complete and sign the following statement. (For definition of "preparer" and "user," see 5.3 or 3.3.25.)

This questionnaire was completed by:

Name LARRY HORSMAN

Title CIVIL ENGINEER

Firm SAN DIEGO COUNTY DEPARTMENT OF PUBLIC WORKS (MATERIALS LAB)

Address 5555 OVERLAND AVENUE
BLDG. 5
SAN DIEGO, CA 92123

Phone number (619) 694-2842

Date 1/8/96

If the preparer is different than the user, complete the following:

Name of user DPW / ENGINEERING SERVICES / ALLEN HOLMQUIST

User's address 5555 OVERLAND AVE., BLDG. 6
SAN DIEGO CA, 92123

User's phone number (619) 694-2815

Preparer's relationship to site CONSULTANT / DPW EMPLOYEE

Preparer's relationship to user (for example, principal, employee, agent, consultant)

Copies of the completed questionnaire have been filed at:

DPW ENGINEERING SERVICES
5555 OVERLAND AVE., BLDG. 6
SAN DIEGO, CA. 92123

Copies of the completed questionnaire have been mailed or delivered to:

DEPT. OF ENVIRONMENTAL HEALTH, ORHD
9325 HAZARD WAY
SAN DIEGO, CA 92123
ATTENTION DAN TAPPEN, SUPERVISING INDUSTRIAL HYGIENIST

Preparer represents that to the best of the preparer's knowledge the above statements and facts are true and correct and to the best of the preparer's actual knowledge no material facts have been suppressed or misstated.

Signature _____ Date 1/10/96

Signature _____ Date _____

Signature _____ Date _____

SAN DIEGO AREA, CALIFORNIA

(Joins sheet 45, San Vicente Reservoir quadrangle)



"EXHIBIT C

SITE ASSESSMENT REPORT
(EXTENDED BY 1/2 MILE)

PROPERTY INFORMATION	CLIENT INFORMATION
Project Name/Ref #: 2 SITES 15000 MAST BLVD TO 11510 RIVERSIDE DR 15000 MAST BLVD TO 11510 RIVERSIDE DR SANTEE, CA 92040 Latitude/Longitude: (32.860190, 116.949588)	LARRY HORSMAN COUNTY OF SAN DIEGO-SAN DIEGO 5555 OVERLAND AVE BLD 5 RM 115 SAN DIEGO, CA 92123

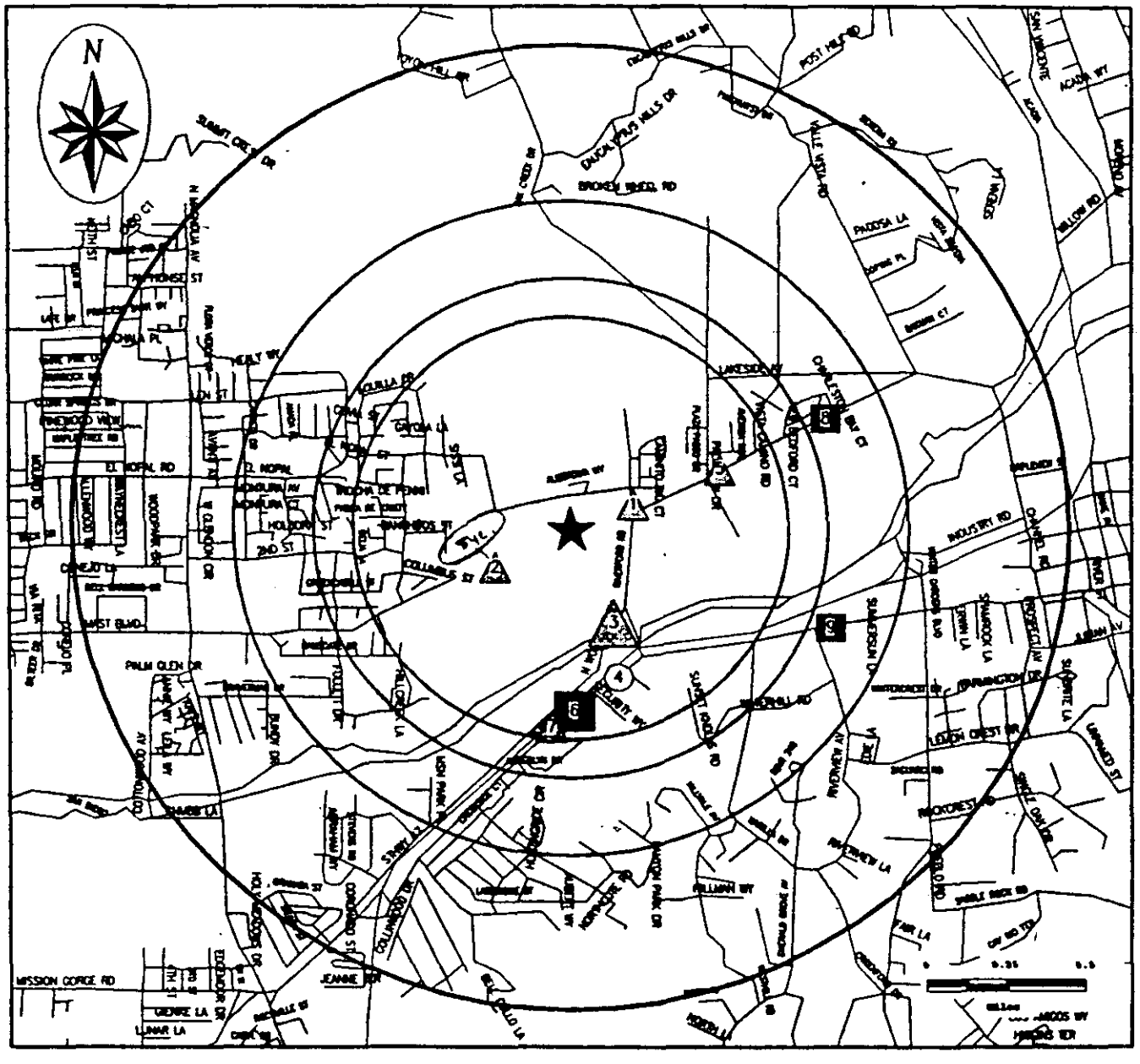
Site Distribution Summary Agency / Database - Type of Records			within 5/8 mile	5/8 to 3/4 mile	3/4 to 1 mile	1 to 1 1/2 miles
A) Databases searched to 1 1/2 miles:						
US EPA	NPL	National Priority List	0	0	0	0
US EPA	TSD	RCRA permitted treatment, storage, disposal facilities	0	0	0	0
STATE	SPL	State equivalent priority list	0	0	0	0
STATE	SCL	State equivalent CERCLIS list	0	0	0	0
B) Databases searched to 1 mile:						
US EPA	CERCLIS	Sites under review by US EPA	0	0	0	-
STATE	LUST	Leaking Underground Storage Tanks	1	0	2	-
STATE	SWLF	Permitted as solid waste landfills, incinerators, or transfer stations	0	0	0	-
C) Databases searched to 3/4 mile:						
STATE	UST	Registered underground storage tanks	7	0	-	-
STATE	AST	Registered aboveground storage tanks	0	0	-	-
D) Databases searched to 5/8 mile:						
US EPA	ERNS	Emergency Response Notification System of spills	2	-	-	-
US EPA	LG GEN	RCRA registered large generators of hazardous waste	1	-	-	-
US EPA	SM GEN	RCRA registered small generators of hazardous waste	3	-	-	-

This geographic database search meets the American Society for Testing Materials (ASTM) standards for a government records review. A (-) indicates the search distance exceeds ASTM search parameters.

LIMITATION OF LIABILITY
Customer proceeds at its own risk in choosing to rely on VISTA services, in whole or in part, prior to proceeding with any transaction. VISTA cannot be an insurer of the accuracy of the information, errors occurring in conversion of data, or for customer's use of data. VISTA and its affiliated companies, officers, agents, employees and independent contractors cannot be held liable for accuracy, storage, delivery, loss or expense suffered by customer resulting directly or indirectly from any information provided by VISTA.

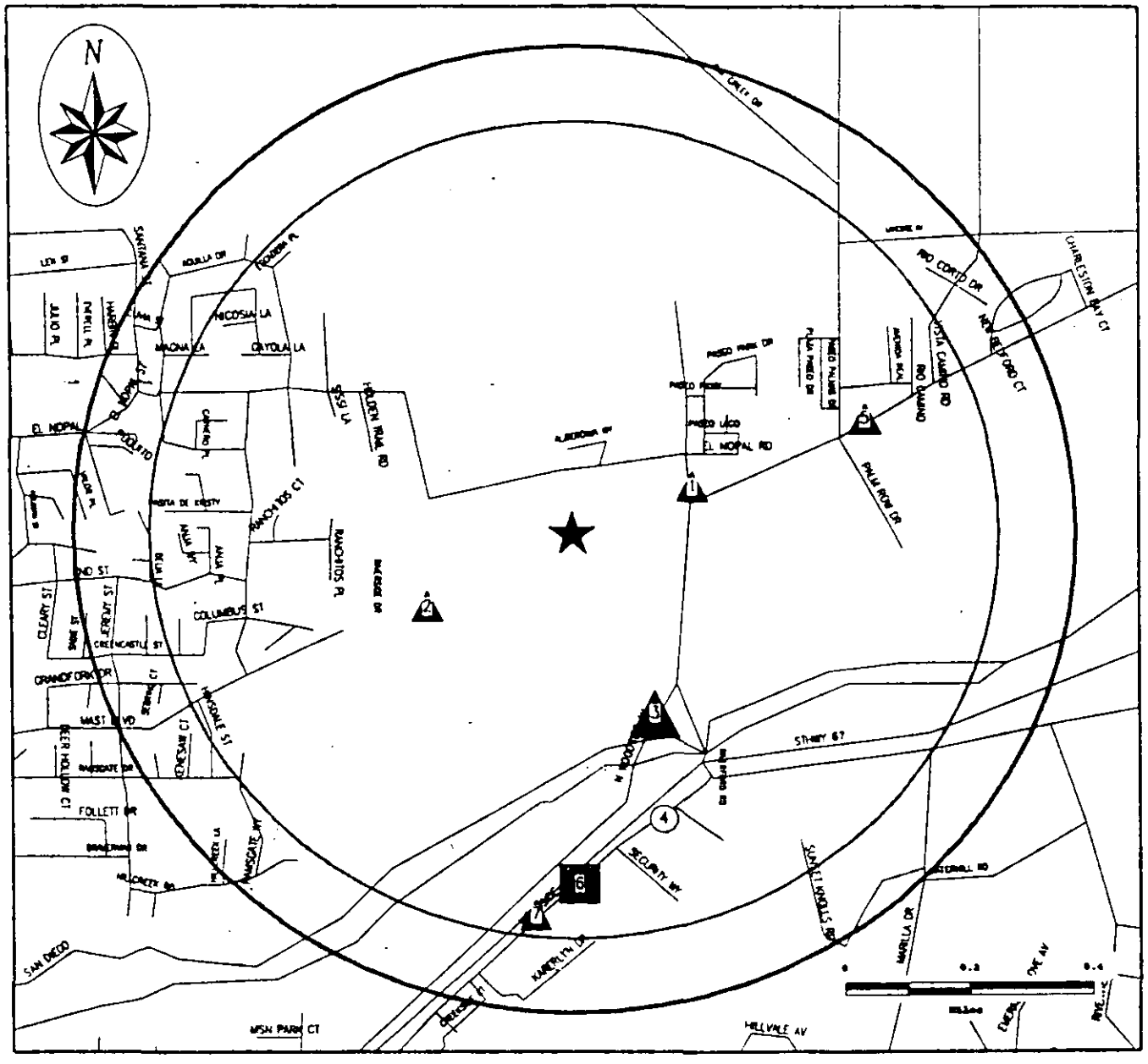
SITE ASSESSMENT REPORT (EXTENDED BY 1/2 MILE)

Map of Sites within One and One-Half Miles


N
SUMMIT CREST DR
BROKEN SPEED RD
POST HILL RD
SAN MARCOS
ACACIA WY
HILLCREST DR
PHOSSA LA
SCREEN LA
HILLCREST RD
ORCHID AV
MAIN ST
HEALY WY
ORIOLA PL
ORIOLA RD
ORIOLA ST
ORIOLA AV
ORIOLA CT
ORIOLA WY
ORIOLA DR
ORIOLA LA
ORIOLA PARK DR
ORIOLA PARK PL
ORIOLA PARK CT
ORIOLA PARK LA
ORIOLA PARK WY
ORIOLA PARK AV
ORIOLA PARK ST
ORIOLA PARK RD
ORIOLA PARK CIR
ORIOLA PARK TER
ORIOLA PARK WAY
ORIOLA PARK PLACE
ORIOLA PARK COURT
ORIOLA PARK LANE
ORIOLA PARK DRIVE
ORIOLA PARK AVENUE
ORIOLA PARK STREET
ORIOLA PARK ROAD
ORIOLA PARK CIRCLE
ORIOLA PARK TERRACE

SITE ASSESSMENT REPORT
(EXTENDED BY 1/2 MILE)

Map of Sites within Three-Quarter Miles



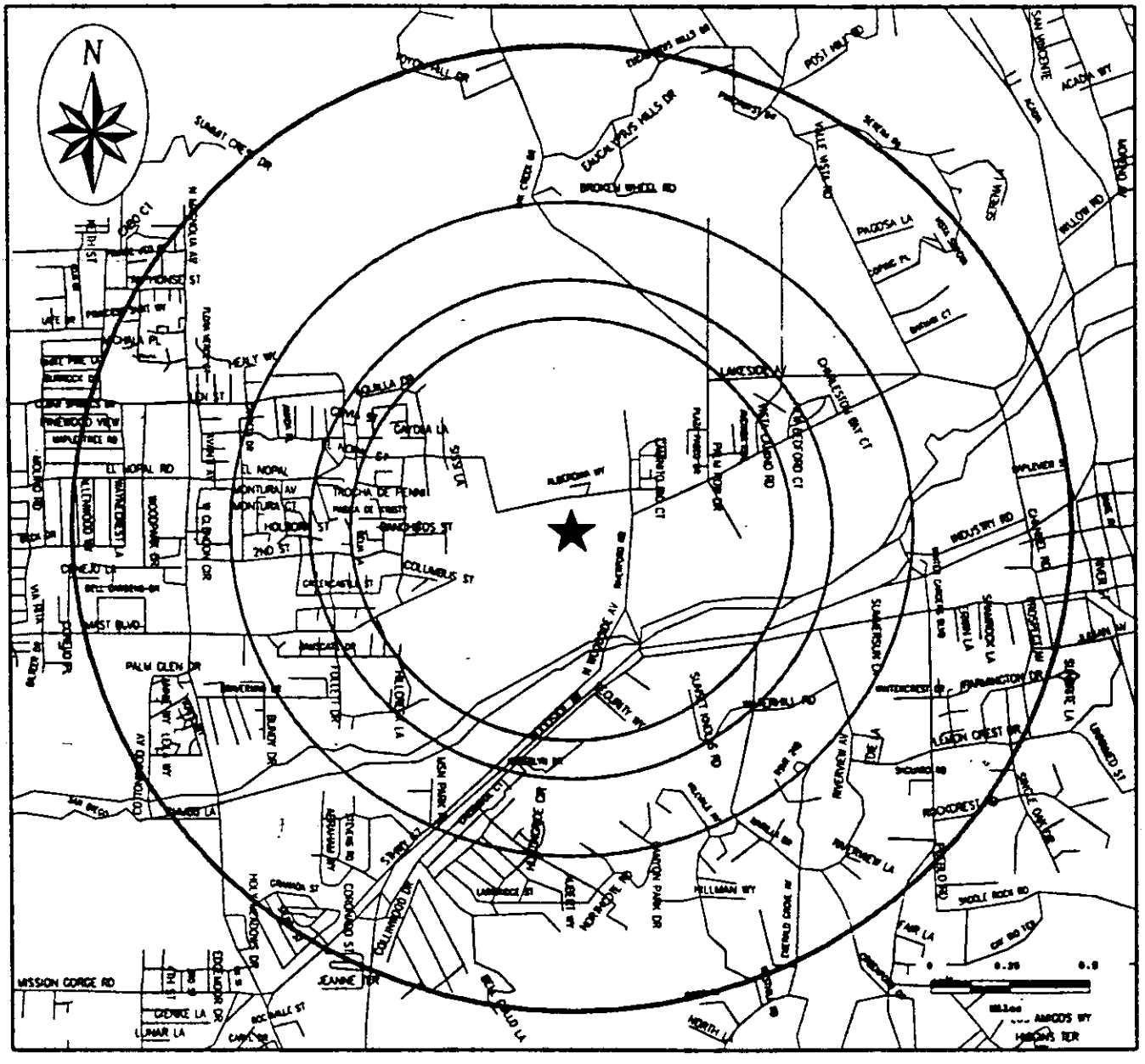
Subject Site	Category:	A	B	C	D
★	Databases Searched to:	1 1/2 mi.	1 mi.	3/4 mi.	5/8 mi.
	Single Sites	◆	■	▲	○
	Multiple Sites	◆	■	▲	○
		NPL, SPL, SCL, TSD	CERCLIS, LUST, SWLF	UST	ERNS, GENERATORS

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.

SITE ASSESSMENT REPORT
(EXTENDED BY 1/2 MILE)

Street Map



Subject Site	Roads, Highways, Rivers, Water Bodies
★	Railroads, Utilities

SITE ASSESSMENT REPORT
(EXTENDED BY 1/2 MILE)

SITE INVENTORY

MAP ID	PROPERTY AND THE ADJACENT AREA (within 5/8 mile)	VISTA ID DISTANCE DIRECTION	A				B			C		D		
			NPL	TSD	SPL	SCL	CERCLIS	LUST	SWLF	UST	AST	ERNS	LG GEN	SM GEN
1	7-ELEVEN 26651 10195 RIVERFORD RD LAKESIDE, CA 92040	4040617 0.15 MI E								X				
2	SYCAMORE LANDFILL 14494 MAST BLVD SANTEE, CA 92071	1186921 0.21 MI SW								X			X	
3	FACILITY NAME UNK 11506 N. WOODSIDE LAKESIDE, CA 92040	200155616 0.26 MI SE										X		
3	WEST COAST SHEET METAL 11222 N WOODSIDE SANTEE, CA 92071	3500398 0.29 MI SE								X				
4	LAKESIDE MARINE 11541 WOODSIDE AVE SANTEE, CA 92071	235975 0.44 MI S												X
5	7-ELEVEN FOOD STORE #13666 11610 RIVERSIDE DR LAKESIDE, CA 92040	1068 0.44 MI E								X				
6	TECHNA VISOIN INC 11489/11491 WOODSIDE AVE SANTEE, CA 92071	418561 0.51 MI S												X
6	TOYOTALIFT INC 11446 N WOODSIDE SANTEE, CA 92071	428269 0.52 MI S								X				
6	UNKNOWN 1146 3. WOODSIDE AVE SANTEE, CA 92071	200099057 0.53 MI S										X		
6	EL CAPITAN OIL COMPANY 11427 S WOODSIDE SANTEE, CA 92071	4044070 0.54 MI S								X				
6	BUY WRIGHT OIL COMPANY 11427 WOODSIDE AVE SANTEE, CA 92071	1185843 0.54 MI S												X
6	ANTHONY T. DITTY 11427 WOODSIDE AVENUE LAKESIDE, CA 92040	934793 0.54 MI S						X						
7	BLUE STAR STEEL INC 11322 N WOODSIDE SANTEE, CA 92071	3500580 0.59 MI S								X				

MAP ID	SITES IN THE SURROUNDING AREA (within 5/8 - 3/4 mile)	VISTA ID DISTANCE DIRECTION	A				B			C		D		
			NPL	TSD	SPL	SCL	CERCLIS	LUST	SWLF	UST	AST	ERNS	LG GEN	SM GEN
No Records Found														

MAP ID	SITES IN THE SURROUNDING AREA (within 3/4 - 1 mile)	VISTA ID DISTANCE DIRECTION	A				B			C		D		
			NPL	TSD	SPL	SCL	CERCLIS	LUST	SWLF	UST	AST	ERNS	LG GEN	SM GEN
✓ 8	WILLOWBROOK COUNTRY CLUB 11905 RIVERSIDE DR LAKESIDE, CA 92040	4040668 0.81 MI E						X		•				
✓ 9	OLD PHILLIPS 66 SERVICE STATIO 11903 WOODSIDE AVENUE LAKESIDE, CA 92040	934794 0.82 MI E						X						

MAP ID	SITES IN THE SURROUNDING AREA (within 1 - 1 1/2 miles)	VISTA ID DISTANCE DIRECTION	A				B			C		D		
			NPL	TSD	SPL	SCL	CERCLIS	LUST	SWLF	UST	AST	ERNS	LG GEN	SM GEN
No Records Found														

UNMAPPED SITES	A				B			C		D		
VISTA ID	NPL	TSD	SPL	SCL	CERCLIS	LUST	PWLF	UST	AST	ERNS	LG GEN	SM GEN
No Records Found												

X = search criteria; • = tag-along (beyond search criteria).
For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.
Report ID: 089823-001 Date of Report: November 18, 1995

SITE ASSESSMENT REPORT
(EXTENDED BY 1/2 MILE)

DETAILS

PROPERTY AND THE ADJACENT AREA (within 5/8 mile)

VISTA Address*:	7-ELEVEN 26651 10195 RIVERFORD RD LAKESIDE, CA 92040	VISTA ID#:	4040617	Map ID: 1
		Distance/Direction:	0.15 MI / E	
		Plotted as:	Point	

STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A
Agency Address:	7-ELEVEN 26651 10195 RIVERFORD LAKESIDE, CA 92040		
Underground Tanks:	3		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		

Tank ID:	1	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FIBERGLASS
Tank ID:	2	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	LEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FIBERGLASS
Tank ID:	3	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	LEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FIBERGLASS

VISTA Address*:	SYCAMORE LANDFILL 14494 MAST BLVD SANTEE, CA 92071	VISTA ID#:	1186921	Map ID: 2
		Distance/Direction:	0.21 MI / SW	
		Plotted as:	Point	

RCRA-LgGen - RCRA-Large Generator / SRC# 2465		EPA ID:	CAD982431934
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.		

STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A
Agency Address:	SYCAMORE LANDFILL BUY BACK 14494 MAST SANTEE, CA 92071		
Underground Tanks:	1		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		

Tank ID:	1	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	PETROLEUM	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	2000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS

PROPERTY AND THE ADJACENT AREA (within 5/8 mile) CONT:

VISTA Address*:	FACILITY NAME UNK 11506 N. WOODSIDE LAKESIDE, CA 92040	VISTA ID#:	2001 16	Map ID 3
		Distance/Direction:	0.26 i. / SE	
		Plotted as:	Point	

ERNS - Emergency Response Notification System / SRC# 2255	EPA/Agency ID:	N/A

Agency Address:	*FACILITY NAME UNK 11506 N. WOODSIDE LAKESIDE, CA*
Spill Date Time:	*APRIL 25, 1988 07:00:00 AM*
Spill Location:	*11506 N. WOODSIDE*
Discharger Org:	*FACILITY NAME UNK*
Material Spilled:	*CHLORINE, 1332.00 (LBS)*
Fields Not Reported:	*Case Number, Source Agency, Discharger Name, Discharger Phone, Waterway Affected*

Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
YES	*NO*	*NO*	*NO*	*NO*	*NO*

VISTA Address*:	WEST COAST SHEET METAL 11222 N WOODSIDE SANTEE, CA 92071	VISTA ID#:	3500598	Map ID 3
		Distance/Direction:	0.29 MI / SE	
		Plotted as:	Point	

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

Agency Address:	*SAME AS ABOVE*
Underground Tanks:	*1*
Aboveground Tanks:	*NOT REPORTED*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*1*	Tank Status:	*ACTIVE/IN SERVICE*
Tank Contents:	*UNLEADED GAS*	Leak Monitoring:	*UNKNOWN*
Tank Age:	*NOT REPORTED*	Tank Piping:	*UNKNOWN*
Tank Size (Units):	*6000 (GALLONS)*	Tank Material:	*FIBERGLASS*

VISTA Address*:	LAKESIDE MARINE 11541 WOODSIDE AVE SANTEE, CA 92071	VISTA ID#:	235975	Map ID 4
		Distance/Direction:	0.44 MI / S	
		Plotted as:	Point	

RCRA-SmGen - RCRA-Small Generator / SRC# 2465	EPA ID:	CAD982502379

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

VISTA Address*:	7-ELEVEN FOOD STORE #13666 11610 RIVERSIDE DR LAKESIDE, CA 92040	VISTA ID#:	1068	Map ID 5
		Distance/Direction:	0.44 MI / E	
		Plotted as:	Point	

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

Agency Address:	*7-ELEVEN FOOD STORE #13666 11610 RIVERSIDE LAKESIDE, CA 92040*
Underground Tanks:	*3*
Aboveground Tanks:	*NOT REPORTED*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*1*	Tank Status:	*ACTIVE/IN SERVICE*
Tank Contents:	*UNLEADED GAS*	Leak Monitoring:	*UNKNOWN*
Tank Age:	*NOT REPORTED*	Tank Piping:	*UNKNOWN*
Tank Size (Units):	*6000 (GALLONS)*	Tank Material:	*OTHER DESCRIPTIONS*

PROPERTY AND THE ADJACENT AREA (within 5/8 mile) CONT.

Tank ID:	2	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	9940 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	3	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	9940 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS

				Map ID
VISTA Address*:	TECHNA VISOIN INC 11489/11491 WOODSIDE AVE SANTEE, CA 92071	VISTA ID#: Distance/Direction: Plotted as:	418561 0.51 MI / S Point	6
RCRA-SmGen - RCRA-Small Generator / SRC# 2465		EPA ID:	CAD981430184	
Agency Address:	SAME AS ABOVE			
Generator Class:	GENERATORS WHO GENERATE 100 KG./MONTH BUT LESS THAN 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE			

				Map ID
VISTA Address*:	TOYOTALIFT INC 11446 N WOODSIDE SANTEE, CA 92071	VISTA ID#: Distance/Direction: Plotted as:	428269 0.52 MI / S Point	6
STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A	
Agency Address:	SAME AS ABOVE			
Underground Tanks:	1			
Aboveground Tanks:	NOT REPORTED			
Tanks Removed:	NOT REPORTED			
Tank ID:	1	Tank Status:	CLOSED	
Tank Contents:	LEADED GAS	Leak Monitoring:	UNKNOWN	
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN	
Tank Size (Units):	1000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS	

				Map ID
VISTA Address*:	UNKNOWN 1146 3. WOODSIDE AVE SANTEE, CA 92071	VISTA ID#: Distance/Direction: Plotted as:	200099057 0.53 MI / S Point	6
ERNS - Emergency Response Notification System / SRC# 2255		Agency ID:	91-0758	
Agency Address:	SAME AS ABOVE			
Spill Date Time:	NOVEMBER 4, 1990 02:10:00 PM			
Case Number:	91-0758			
Spill Location:	1146 3. WOODSIDE AVE			
Source Agency:	E			
Discharger Org:	UNKNOWN			
Material Spilled:	SULFURIC ACID #2967, 15.00 (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

PROPERTY AND THE ADJACENT AREA (within 5/8 mile) CONT.

VISTA Address*:	EL CAPITAN OIL COMPANY 11427 S WOODSIDE SANTEE, CA 92071	VISTA ID#: Distance/Direction: Plotted as:	4044070 0.54 MI / S Point
STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A

Map ID: 6

Agency Address:	SAME AS ABOVE
Underground Tanks:	13
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	AGENCY REPORTS THE UNDEFINED TERM "OTHER"	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	6000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	2	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	AGENCY REPORTS THE UNDEFINED TERM "OTHER"	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	6000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	3	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	AGENCY REPORTS THE UNDEFINED TERM "OTHER"	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	6000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	4	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	AGENCY REPORTS THE UNDEFINED TERM "OTHER"	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	6000 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	5	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	LEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	7502 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	6	Tank Status:	CLOSED REMOVED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	2015 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	7	Tank Status:	CLOSED REMOVED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	5000 (GALLONS)	Tank Material:	FIBERGLASS
Tank ID:	8	Tank Status:	CLOSED REMOVED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	550 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	9	Tank Status:	CLOSED REMOVED
Tank Contents:	AGENCY REPORTS THE UNDEFINED TERM "OTHER"	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	880 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	10	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	PETROLEUM	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	300 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS

Tank ID:	11	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	2500 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	12	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	OIL(NOT SPECIFIED)	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	550 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	13	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	4000 (GALLONS)	Tank Material:	FIBERGLASS

VISTA Address*:	BUY WRIGHT OIL COMPANY 11427 WOODSIDE AVE SANTEE, CA 92071	VISTA ID#:	1185843
		Distance/Direction:	0.54 MI / S
		Plotted as:	Point

Map ID 6

RCRA-SmGen - RCRA-Small Generator / SRC# 2465	EPA ID: CAD982466716
Agency Address:	SAME AS ABOVE
Generator Class:	GENERATORS WHO GENERATE 100 KG/MONTH BUT LESS THAN 1000 KG/MONTH OF NON-ACUTELY HAZARDOUS WASTE

VISTA Address*:	ANTHONY T. DITTY 11427 WOODSIDE AVENUE LAKESIDE, CA 92040	VISTA ID#:	934793
		Distance/Direction:	0.54 MI / S
		Plotted as:	Point

Map ID 6

STATE LUST - State Leaking Underground Storage Tank / SRC# 2296	Agency ID: 9UT938
Agency Address:	ANTHONY T. DITTY 11427 WOODSIDE AVENUE LAKESIDE, CA
Tank Status:	NOT AVAILABLE
Media Affected:	GROUNDWATER
Substance:	GASOLINE (UNSPECIFIED)
Leak Cause:	UNAVAILABLE
Remedial Action:	NOT AVAILABLE
Remedial Status 1:	REM ACTION PLAN
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source

VISTA Address*:	BLUE STAR STEEL INC 11322 N WOODSIDE SANTEE, CA 92071	VISTA ID#:	3500580
		Distance/Direction:	0.59 MI / S
		Plotted as:	Point

Map ID 7

STATE UST - State Underground Storage Tank / SRC# 1612	EPA/Agency ID: N/A
Agency Address:	SAME AS ABOVE
Underground Tanks:	3
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1	Tank Status:	CLOSED REMOVED
Tank Contents:	LEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	550 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS
Tank ID:	2	Tank Status:	CLOSED REMOVED
Tank Contents:	LEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	500 (GALLONS)	Tank Material:	OTHER DESCRIPTIONS

PROPERTY AND THE ADJACENT AREA (within 5/8 mile) CONT.

Tank ID:	3	**Tank Status:**	*CLOSED REMOVED*
Tank Contents:	*AGENCY REPORTS THE UNDEFINED TERM "OTHER"*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*550 (GALLONS)*	**Tank Material:**	*OTHER DESCRIPTIONS*

SITES IN THE SURROUNDING AREA (within 5/8 - 3/4 mile)

No Records Found

SITES IN THE SURROUNDING AREA (within 3/4 - 1 mile)

VISTA Address*:	**WILLOWBROOK COUNTRY CLUB** **11905 RIVERSIDE DR** **LAKESIDE, CA 92040**	VISTA ID#:	4040668
		Distance/Direction:	0.81 MI / E
		Plotted as:	Point

Map ID **8**

STATE LUST - State Leaking Underground Storage Tank / SRC# 2296 — Agency ID: 9UT2414

Agency Address:	*SAME AS ABOVE*
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*

VISTA Address*:	**OLD PHILLIPS 66 SERVICE STATIO** **11903 WOODSIDE AVENUE** **LAKESIDE, CA 92040**	VISTA ID#:	934794
		Distance/Direction:	0.82 MI / E
		Plotted as:	Point

Map ID **9**

STATE LUST - State Leaking Underground Storage Tank / SRC# 2296 — Agency ID: 9UT791

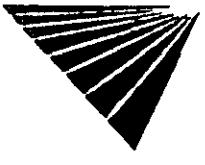
Agency Address:	*OLD PHILLIPS 66 SERVICE STATIO* *11903 WOODSIDE AVENUE* *LAKESIDE, CA*
Tank Status:	*NOT AVAILABLE*
Media Affected:	*SOIL/SAND/LAND*
Substance:	*GASOLINE (UNSPECIFIED)*
Leak Cause:	*UNAVAILABLE*
Remedial Action:	*EXCAVATE DISPOSE*
Remedial Status 1:	*CASE CLOSED/CLEANUP COMPLETE*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Discovery Date, Quantity (Units), Leak Source*

SITES IN THE SURROUNDING AREA (within 1 - 1 1/2 miles)

No Records Found

UNMAPPED SITES

No Records Found



SITE ASSESSMENT REPORT
(EXTENDED BY 1/2 MILE)

DESCRIPTION OF DATABASES SEARCHED

A) DATABASES SEARCHED TO 1 1/2 MILES

NPL
SRC#: 2435

VISTA conducts a database search to identify all sites within 1.5 mile of your property.
The agency release date for NPL was May, 1995.

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#: 2617

VISTA conducts a database search to identify all sites within 1.5 mile of your property.
The agency release date for Calsites Database: Annual Workplan Sites was August, 1995.

This database is provided by the Cal. Environmental Protection Agency, Dept. of Toxic Substances Control. Annual Work Plan (AWP) sites and sites where Preliminary Endangerment Assessments are a high priority are included.

SCL
SRC#: 2616

VISTA conducts a database search to identify all sites within 1.5 mile of your property.
The agency release date for Calsites Database: All Sites except Annual Workplan Sites (incl. ASPIS) was August, 1995.

This database is provided by the Department of Toxic Substances Control. These are lower priority than the SPL sites.

RCRA-TSD
SRC#: 2465

VISTA conducts a database search to identify all sites within 1.5 mile of your property.
The agency release date for RCRIS was June, 1995.

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 MILE

CERCLIS
SRC#: 2596

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for CERCLIS was September, 1995.

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.

NFRAP
SRC#: 2632

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for CERCLIS was September, 1995.

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.

SWLF
SRC#: 2232

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for Ca Solid Waste Information System (SWIS) was March, 1995.

This database is provided by the Integrated Waste Management Board.

LUST
SRC#: 2296

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for Lust Information System (LUSTIS) was February, 1995.

This database is provided by the California Environmental Protection Agency.

C) DATABASES SEARCHED TO 3/4 MILE

UST's
SRC#: 1612

VISTA conducts a database search to identify all sites within 3/4 mile of your property.
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.

AST's
SRC#: 2615

VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for Aboveground Storage Tank Database was October, 1995.

This database is provided by the State Water Resources Control Board.

D) DATABASES SEARCHED TO 5/8 MILE

ERNS
SRC#: 2255

VISTA conducts a database search to identify all sites within .625 mile of your property.
The agency release date for ERNS was March, 1995.

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, the US Coast Guard, the National Response Center and the Department of transportation. A search of the database records for the period October 1986 through September 1994 revealed the following information regarding reported spills of oil or hazardous substances in the stated area.

RCRA-LgGen
SRC#: 2465

VISTA conducts a database search to identify all sites within .625 mile of your property.
The agency release date for RCRIS was June, 1995.

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 Large Generators are facilities which generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).

RCRA-SmGen
SRC#: 2465

VISTA conducts a database search to identify all sites within .625 mile of your property. **The agency release date for RCRIS was June, 1995.**

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 Small and Very Small generators are facilities which generate less than 1000 kg./month of non-acutely hazardous waste.

GENERAL SERVICES PROPERTY CONTRACT LANGUAGE
STANDARD BOILERPLATE

(3) Perform all the items specified in 6 B. through D. above.

7. (Warranty Against Leases) Grantor warrants that there are no oral or written leases on all or any part of the Property exceeding a period of one month.

8. (Defense and Indemnity) Grantor agrees to defend and indemnify the County from all claims by lessees of Grantor and all claims against the title to the Property, provided that Grantor's obligation to defend and indemnify shall not exceed the purchase price.

9. (Hazardous Materials)

A. To the best of Seller's knowledge: (1) no hazardous Materials (as defined herein) have been generated, treated, stored, deposited, disposed of or released on the Property, or within any surface or subsurface waters thereof; (2) no underground tanks have been located on the Property; and (3) there are no substances or conditions in or on the Property which may support a claim, cause of action or liability under any Hazardous Materials Laws (as defined herein) or to any third party.

B. As used herein, "Hazardous Materials Laws" means any and all federal, state or local laws, ordinances, rules, decrees, orders, regulations or court decisions relating to hazardous substances, hazardous materials, hazardous waste, toxic substances, environmental conditions on, under or about the Property, or soil or groundwater conditions.

C. As used herein, "Hazardous Materials" means substances which are flammable, explosive, asbestos, radioactive or toxic, and any substances defined or regulated as hazardous substances, hazardous materials, toxic substances or hazardous waste under any Hazardous Materials Laws.

10. (Temporary Construction Area) It is understood that Parcel No. _____ is being used during the course of construction as a temporary construction area. This area will be restored to the condition it was in prior to the County's use of the area. Should use of the temporary construction work area by the County exceed a period of six months, commencing with the start of construction on Grantor's property, Grantor shall be paid at a rate of $_____ per month for each month or portion thereof during which the County utilizes said work area.

11. (Compliance with Laws) Any work done under this contract shall be done in a good and workmanlike manner, and shall conform to all applicable building, fire, and sanitary laws, ordinances, and regulations. All structures, improvements, and other facilities removed and relocated or reconstructed by County shall be left in as good a condition as found.

AUG 1 2 1991
SAN DIEGO REGIONAL
WATER QUALITY CONTROL BOARD

3.1.1.4 Designated Scenic Highways

The County of San Diego has established a Scenic Highway Element (revised June, 1986) in the General Plan which is intended to enhance scenic, historic and recreation resources within both rural and urban scenic highway corridors. The criteria for establishing the Scenic Highway System Priority List are as follows:

- Routes traversing and providing access to major recreation, scenic, or historic resources;
- Routes traversing lands under the jurisdiction of public agencies;
- Routes supported by significant local community interest;
- Routes offering unique opportunities for the protection and enhancement of scenic recreational and historical resources.

Projects which meet three or more of the above criteria are classified as first priority. Routes which meet only two of the above criteria are classified as second priority projects and routes which meet only one of the criteria are considered third priority. State Route 67 in this area has been designated as a third priority scenic highway route.

3.1.2 Environmental Impacts

3.1.2.1 Visibility

Operations by construction equipment and haul trucks involved in site reclamation would be visible from the surrounding area as the site is reclaimed from its current state of visual blight to a level piece of land. Upon completion of reclamation, the land uses proposed in the RiverWay Specific Plan will be implemented. Potential adverse visual impacts would occur from the creation of a temporary eight foot high berm and from the use of construction equipment during the filling of the pond. An eight foot high noise attenuation berm located along the eastern boundary would be created during the site preparation phase of the project. This berm would also screen project operations from the golf course and mobile home park. The berm would be landscaped with low growing native plant material for erosion control. When reclamation is complete the berm would be removed and the permanent block wall and landscaping strip proposed in the RiverWay Specific Plan can be implemented. Potential visual impacts related to the filling of the pond by the construction equipment would be considered a short-term adverse impact. This is due to the estimated five to seven years of time involved in filling of the pond and the large nature of the equipment that is needed to fill this area.

Operations by construction equipment involved in the filling of the pond would be visible from residential areas to the north and from Riverside Drive. Most homes to the north, however, were built with six-foot block walls along the Riverside Drive frontage. Access to these homes is from interior residential streets. Project operations would be visible from the 7-11 and liquor-deli to the north, but this impact to commercial uses is not considered significant. Visual impacts to the day care center are also not considered significant since

parking is located in the front yard, and outdoor play areas are located in fenced areas in the side and rear yards. Two homes which front on Riverside Drive to the north would also have views of project operations. The home next to the liquor-deli is set back approximately 70 feet from the edge of the road and includes a 6-foot high wood fence in its front yard. The pond is a minimum of approximately 250 feet from this home. Next to the day care center is a home on the corner of Riverside Drive and Rio Camino which takes driveway access from Riverside Drive. It also has frontage on Rio Hondo and has a very large yard area adjacent to its Rio Hondo frontage.

Visual impacts to the nearby residential uses in the area and to persons using Riverside Drive will be most significant during the first year of site preparation and filling operations when activities are concentrated in the northerly portion of the site. Thereafter, activities will move southerly and the increased distance will tend to make project operations less obvious and less visually disruptive to normal residential activities. Within approximately three years, operations are expected to be over 600 feet south of Riverside Drive.

If the proposed project were a new use adjacent to a residential area, visual impacts would be clearly significant. In this case, the project will remediate an existing highly disturbed visual condition and bring to an end a period of over 20 years during which mining operations were a constant activity on subject property. The act of reclamation, therefore, mitigates existing visual impacts and other adverse environmental conditions such as land use conflicts and public safety hazards which presently exist.

3.1.2.2 Scenic Quality

The visual resource of the existing pond will be preserved by the implementation of revegetation and habitat restoration of the San Diego River, including on-site areas, pursuant to the RiverWay Specific Plan. This will reconfigure the pond for flood control purposes and for public access. Site reclamation will eliminate the derelict equipment and unsightly conditions now visible. The majority of the site is considered a visual intrusion due the amount of machinery, pipes, tanks, and old construction equipment. The filling of this pond and the implementation of the RiverWay Specific Plan will improve the scenic quality of this area. No significant impacts to the scenic quality of the area are anticipated.

3.1.2.3 Designated Scenic Highways

State Route 67 adjacent to the project site would not be significantly impacted by the project, since the project is at approximately the same elevation as this roadway and the river blocks the majority of the views from the highway to the site. The project is being developed according to the RiverWay Specific Plan which will improve the scenic quality of the area; therefore, no significant visual impacts are anticipated to this scenic highway.

3.1.3 Mitigation Measures

Since the project proposes to implement the RiverWay Specific Plan, no significant visual impacts are anticipated: however, several measures related to the screening of the project site during the filling of the pond are proposed. Project operations shall start by filling the area

of the ultimate right-of-way for Riverside Drive, including a minimum ten foot wide on-site landscape strip. Chain link fencing proposed for the site shall be installed at the southerly edge of the landscape strip and shall include privacy slats on the street frontage and eastern boundaries of the site. Barbed wire fencing shall be installed on the street frontage, and eastern and western boundaries. The ten-foot wide area between the fence and the ultimate edge right-of-way shall be landscaped in accordance with the landscape plan which accompanies this Reclamation Plan. At all times during project operations, this area shall be adequately watered, weeded, and maintained in a healthy condition, with litter and other debris routinely removed. Temporary erosion control groundcover consisting of a native, nonirrigated hydroseed mix shall be installed between the landscape strip and the edge of the roadway.

The berm along the easterly property line shall also be installed during the site preparation phase and shall be hydroseeded with a non-irrigated native and nonnative drought tolerant hydroseed mix.

3.2 BIOLOGICAL RESOURCES

The following discussion is based on an earlier biological assessment (Weir Biological, 1986), a conceptual compensation plan (WESTEC and Lettieri-McIntyre, 1988) and supplemental biological surveys that were conducted for the USDRIP/RiverWay Specific Plan (BFMA, 1989, 1990). The site was revisited by BFMA biology staff in June of 1991 and past conditions were found to still exist on the subject property and in the vicinity. Figure 3.2-1 illustrates biological resources currently found within the project boundaries.

3.2.1 Existing Conditions

The 24 acre site is located along a heavily impacted segment of the San Diego River floodplain and adjacent uplands. There are two principal habitat types on site: open water and disturbed upland. The open water habitat occupies approximately 20.3 acres of the site. Disturbed upland occupies approximately 3.7 acres of the site.

3.2.1.1 Vegetation

Floral diversity on the project site is low, reflecting the low diversity of habitat types and the extensive disturbance in the area. A brief summary of the habitat types is presented below.

3.2.1.2 Uplands

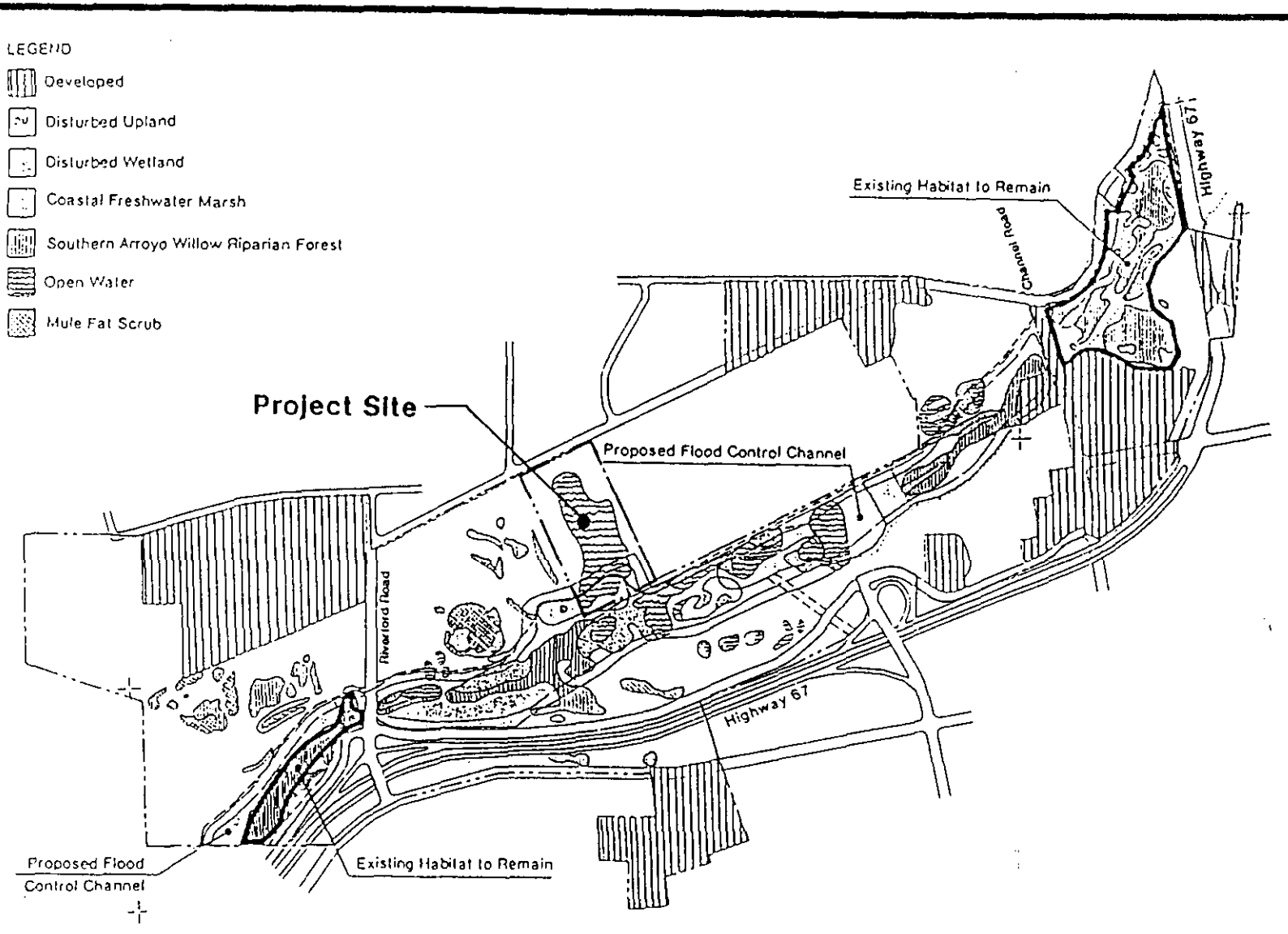
Uplands are by definition those habitats which do not meet the criteria for classification as wetland by the Corps of Engineers (U.S. Army Corps of Engineers, 1986). This habitat includes all non-open water habitat within the project area. There are no stands of native, undisturbed, upland vegetation on-site. Many areas have been recently disturbed or have compacted soils so that very little plant cover exists. The cover is of scattered "weeds" such as Filaree (Erodium cicutarium), Red Brome (Bromus rubens), and Telegraph Weed (Heterotheca grandiflora).

3.2.1.3 Wetlands

The Woodward Pond open water pit is considered a wetland habitat. Uses of wetlands and waters are regulated by the Army Corps of Engineers (Corps) and the California Department of Fish and Game. A 404 permit is currently on file with the Corps in order to obtain their permission to fill the pond.

3.2.2 Environmental Impacts

Implementation of the proposed project would result in the filling of the majority of the pond. Roughly 16.8 acres of the pond will be filled, with a 3.5 acre portion of a lake left remaining on the property. Because there are no significant biological resources existing on site, this is not regarded as a significant impact.



brian f mooney
associates
planning, design & environmental studies

Woodward Pond

Biological Impacts Map

Figure 3.2-1

The site's proximity to the San Diego River warrants discussion of the project's conformance to the San Diego River Habitat Conservation Plan (HCP) and to the Upper San Diego River Improvement Project (USDRIP).

The HCP was prepared to ensure the protection and recovery of the endangered least Bell's vireo within the San Diego River watershed extending from El Capitan Reservoir on the east to Ocean Beach on the west. The plan specifically identifies 474 acres of riparian habitat to be conserved and managed for the benefit of the species, another 216 acres of riparian habitat to be protected, and 128 acres of land that has the potential to support riparian habitat if appropriately reclaimed. Additionally, the plan specifies conservation measures and land use controls within and adjacent to areas with riparian habitat.

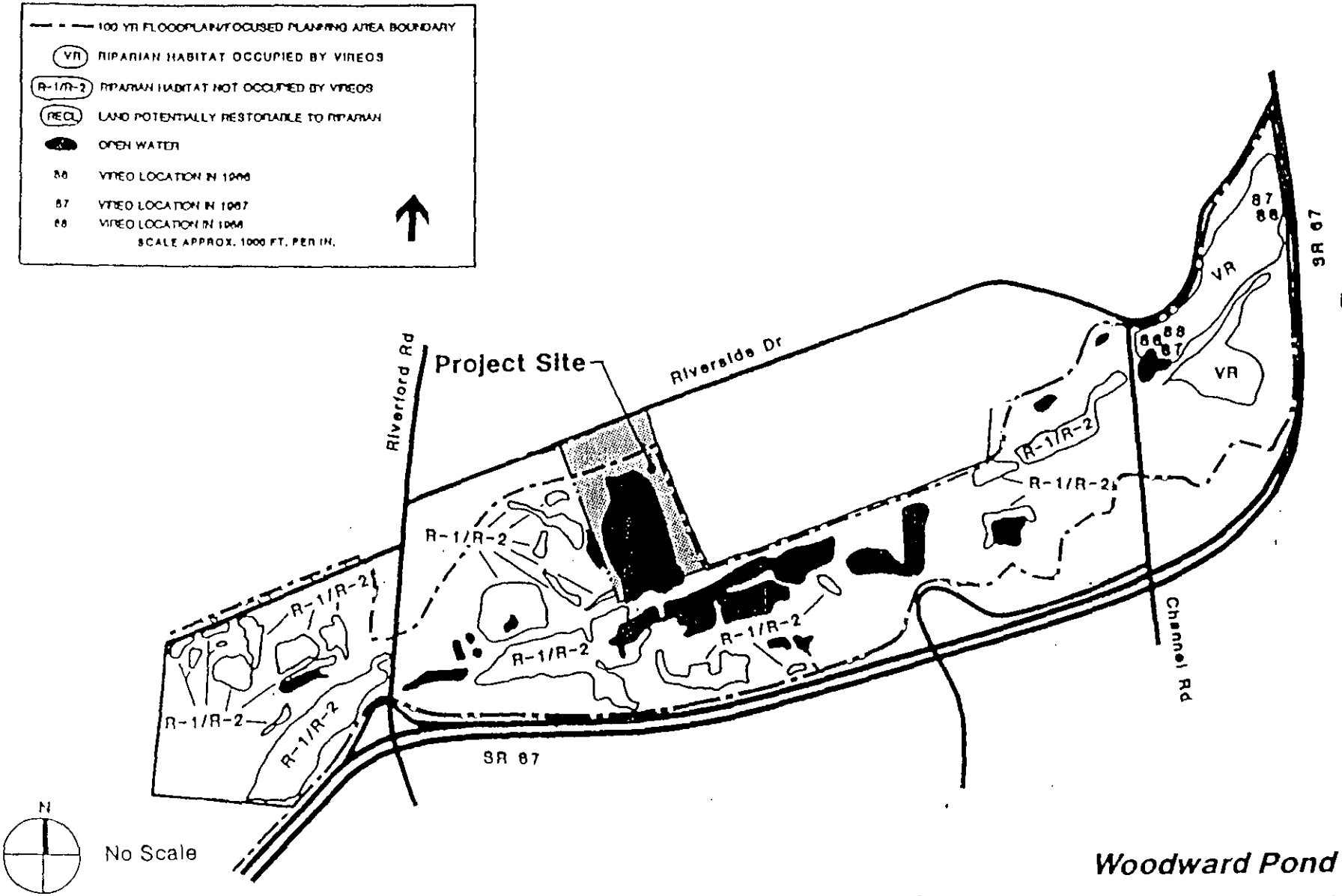
The proposed project is within the boundaries of the USDRIP Redevelopment Plan administered by the County Board of Supervisors as the Redevelopment Agency. The adopted Redevelopment Plan states as its objective the elimination and prevention of blight and blighting influences in order to improve the quality of life in the community and strengthen the local economy. This is to be accomplished through improvement and development of the USDRIP area with industrial, commercial, and residential uses, as well as flood control and habitat restoration improvements within the San Diego River.

The RiverWay Specific Plan was adopted by the Board of Supervisors to specify land use, flood control, and habitat restoration improvements to be accomplished within the USDRIP area. The Specific Plan identifies the subject property for industrial use to be accomplished by filling the pond as proposed; and for restored riparian habitat, including a small pond in the southern area of the project which is contiguous with the San Diego River and continues off-site to the south and west. Figures 2.3-3 and 2.3-4 in the Project Description of this EIR are copies of the adopted RiverWay Specific Plan and the Conceptual Revegetation Plan, also from the Specific Plan.

Figure 3.2-2 shows the location of riparian habitat and least Bell's vireo within the RiverWay planning area. There are no vireo locations in the immediate vicinity of the project, therefore, these birds will not be impacted by noise from the proposed project. The proposed project is consistent with both the HCP and the RiverWay Specific Plan.

3.2.3 Mitigation Measures

Reclamation of the site in accordance with the RiverWay Specific Plan will mitigate biological impacts associated with the project. Additional mitigation for the loss of wetland habitat will be accomplished through the implementation of flood control and habitat restoration plans of the RiverWay Specific Plan.



Woodward Pond

Surrounding Riparian Habitat and Least Bells Vireo Locations

Figure 3.2-2

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planning, design & environmental studies

SOURCE: San Diego River HCP

3.3 GRADING/GROUNDWATER CONTAMINATION

The following discussion is based on an Environmental Site Assessment Report prepared by Ninyo & Moore dated January 11, 1991, and attached as Appendix B. The purpose of their site evaluation and recommendations is twofold: Determine the extent to which past importation of fill material onto the site may contain materials unsuitable for use as fill, particularly given the site's proximity to the San Diego River; and recommend measures to remediate existing site conditions and institute a fill importation program which will not adversely impact groundwater conditions and will result in a reclaimed site suitable for industrial development in accordance with the RiverWay (USDRIP) Specific Plan.

3.3.1 Existing Conditions

The site is located in the Santee Hydrologic Subarea of the San Diego Hydrologic Unit. The San Diego Hydrologic Unit is a wedge-shaped area of approximately 440 square miles drained by the San Diego River. The majority of the project site is within the 100-year floodplain of the San Diego River, though the adopted floodplain boundaries do not reflect the current topographic conditions of the site having been drawn based on topographic maps of 1972. The site is not within the adopted floodway.

The project site contains a water-filled pit which was created by past sand mining activities. Following excavation of the site, fill material was imported and placed into the pit along its east, west, and south perimeter. This "backfilled" area contains debris from road and structure demolition and soil from the site. This imported fill is not believed to have been compacted or closely monitored during its placement. Figure 2.3-1 shows the mined pit at its approximate maximum size based on old aerial photographs, and areas where backfill has been placed.

As shown on the aerial photo (see Figure 2.2-3), open water exists within the San Diego Riverbed adjacent to the site, and within the on-site pond. The surface-water elevation in the pond and the riverbed are at approximately the same level, as is groundwater which was encountered in borings conducted by Ninyo & Moore. A man-made dike of fill material separates the pond from the riverbed, with a submerged conduit connecting the two waterbodies.

Eight borings were drilled and sampled on the project site, varying in depth from five to 33.5 feet. The location of these borings are shown on Figure 2.2-4, and the boring logs are included in Appendix B. Examination of the borings indicate the presence of sand fill material with abundant pieces of asphalt, reinforced concrete, and scrap metal. The underlying native soil type is Quaternary alluvium. The soil samples were laboratory tested for the presence of a total of 138 chemicals and elements, most particularly Total Petroleum Hydrocarbons (TPH) and Total Recoverable Petroleum Hydrocarbons (TRPH). The TRPH analysis indicates the potential for groundwater impact from petroleum products which could indicate either the presence of asphalt products such as from road demolition debris, or the more hazardous diesel range petroleum products. The TPH analysis distinguishes between asphalt and diesel products.

The soil sample containing the highest level of TPH was further analyzed for benzene-toluene-xylenes-ethylbenzene (BTXE). These compounds are also indicative of the presence of gasoline or other petroleum based solvents. The presence of Benzene would be of particular concern since it is a carcinogen. Two samples from other borings were analyzed for priority pollutant metals, and another sample was analyzed for semi-volatile organic constituents. A water sample was also collected and analyzed for semi-volatile organic constituents. The results of these tests are in Table 1 of Appendix B.

Based on the results of the laboratory tests, document review, and field observations, the Report concludes as follows:

- Elevated concentrations of high molecular weight Total Recoverable Petroleum Hydrocarbons (TRPH) were present in the fill soil around the perimeter of the existing pond. These elevated concentrations may be due to the presence of asphalt found within the fill soils. Only one of the samples analyzed for TPH exhibited a detectable amount of diesel range petroleum hydrocarbons.

  [Of the eight soil samples tested, seven showed less than ten milligrams per kilogram (mg/kg) which is the level at which California Department of Health Services testing procedures consider to be statistically valid. The eighth sample exhibited a detectable amount of diesel range petroleum hydrocarbons, being 12.4 mg/kg. In comparison, a level of 100 mg/kg would typically trigger a need for more thorough analysis or mitigation.]

- Initial priority pollutant metals analytical results from the fill soils indicate that none of the metals were present in soil samples in concentrations considered hazardous, based on standards found in California Code of Regulations, Title 22, Section 66699 (CCR 22-6699).

- Semi-volatile organic analytical results from fill soils and surface-water samples indicate that none of the constituents were found in concentrations considered to be hazardous.

- No asphalt was observed in the soil boring cuttings below ground water.

3.3.2 Environmental Impacts

The soil and water samples taken indicate that past fill activities have not resulted in hazardous groundwater conditions which require mitigation. However, continued unmonitored importation of fill as has occurred in the past, could result in significant groundwater and surface water pollution impacts. In addition, the presence of improperly compacted fill, and unsuitable fill material such as reinforced concrete and scrap metal which is difficult to properly compact, does require mitigation for structural stability. In addition, the continued storage of abandoned underground storage tanks and mechanical equipment on the site is not compatible with long-term maintenance of proper soil and groundwater conditions and could result in significant environmental impacts. The existing pipe that provides access to the San Diego River will be plugged or removed, whichever is deemed best by the RWQCB, in order to prevent the pond water from entering the San Diego River.

3.3.3 Mitigation Measures

Prior to commencement of any on-site fill operations, including replacement of excavated material, a "Report of Waste Discharge" shall be submitted to the California Regional Water Quality Control Board (RWQCB), and their authorization to proceed with filling shall be obtained. All requirements of the RWQCB shall be complied with, including obtaining a Waste Discharge Permit, if required. At least annually thereafter until completion of filling, a Certification Report which includes a statement that only clean, nonhazardous material is being brought on-site, shall be filed with the RWQCB.

All existing non-soil or aggregate material shall be removed from the site during the Site Preparation phase of the project. In addition, all past fill material recommended to be excavated shall be inspected by a soils engineer prior to replacement on-site. All importation of material for use as fill shall be determined suitable for eventual construction of industrial buildings and the absence of hazardous materials by a Registered Civil Engineer. Inspection for proper compaction shall be done in accordance with Section 87.404 of the County Grading Ordinance. Records of all inspections and tests shall be maintained on-site and by the supervising Registered Civil Engineer.

Upon completion of backfilling and compaction, final grades shall be surveyed for proper drainage and completed public works improvements, such as drainage structures, shall be inspected and approved by the County Department of Public Works.

3.4 TRAFFIC

The following discussion is based on a Traffic Study conducted for the proposed project by Entranco Federhart Traffic Engineers on April 22, 1991. The complete technical report is included as Appendix C of this document.

3.4.1 Existing Conditions

Regional access to the project site is provided by State Route 67 which is a north-south highway connecting State Route 78 in Ramona to Interstate 8 in the City of El Cajon. In the project vicinity, SR-67 is a four-lane freeway north to Mapleview Street, then transitions to a two and four-lane conventional highway. The main roads currently serving the project area are generally constructed with two lanes within varying street widths. The roadways, however, are generally not built to their ultimate standards. The two primary roads serving the immediate project area are Riverford Road and Riverside Drive. Riverford Road is currently improved with two travel lanes, but its ultimate configuration is that of a four lane major road. Riverside Drive is currently improved with two travel lanes with an ultimate designation as a four lane collector road.

The average daily traffic volume (ADT) is used as the quantitative measure of roadway function while the level of service (LOS) is used as the qualitative measure of roadway function. Levels of service A, B and C are normally considered acceptable, while levels of service D, E and F are indications of a need for improvements.

Riverford Road is a north-south, two-lane, undivided roadway commencing at Woodside Avenue and terminating north of El Nopal. According to the most recent traffic counts, this facility carries 13,030 ADT between Riverside Drive and the State Route 67 westbound ramp terminus. By the County's design standards, the volumes on this segment of road are at LOS D.

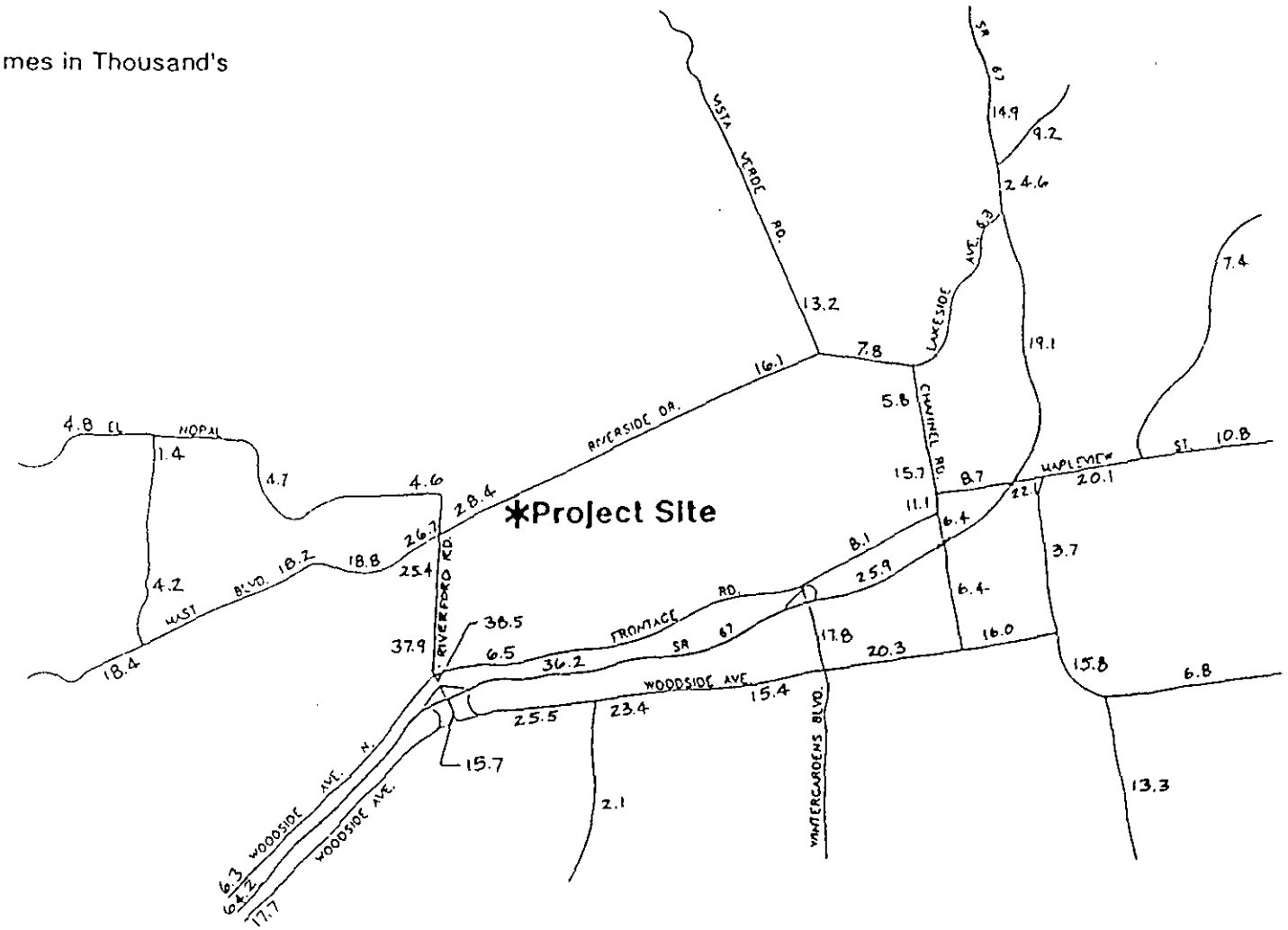
Riverside Drive is an east-west, two-lane, undivided facility with spot widening adjacent to new development on its north frontage. This roadway is constructed between Riverford Road and Lakeside Avenue. The most recent traffic count data indicates that this roadway carries 14,580 ADT between Palm Row Drive and Riverford Road.

The USDRIP Specific Plan Traffic Study forecasted traffic on Riverford Road and Riverside Drive for the year 2010. Figure 3.4-1 shows the daily traffic with build-out of the land uses proposed for the area. With these volumes, that study recommended that Riverford Road south of Riverside Drive have six travel lanes and Riverside Drive should be a full collector road.

In early March of 1991, four intersections within the project area were counted in the AM and PM peak hours. The intersections that were analyzed include: Riverford Road and Riverside Drive, Riverford Road and the westbound Route 67 ramp, Riverford Road and Woodside Avenue, and Woodside Avenue and the eastbound Route 67 ramp. Along with the numerical counts, truck classification counts were made so that truck numbers could be converted to passenger car equivalents (PCE) by multiplying each by a factor of 2.2. Figure 3.4-2 shows the existing peak hour traffic conditions at the intersections mentioned above.

Legend

25.9 Volumes in Thousand's



N

No Scale

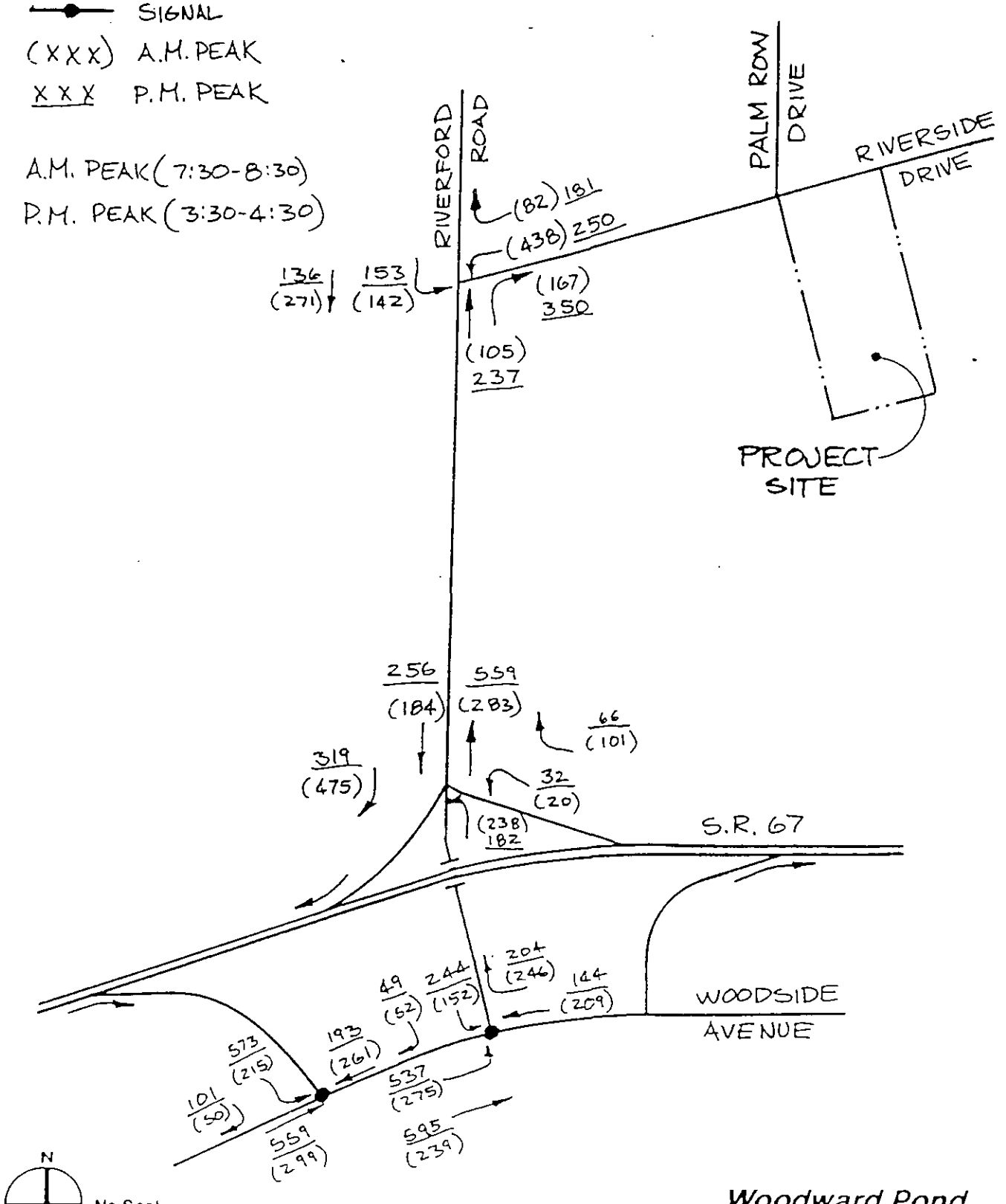
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Woodward Pond

Year 2010 Conditions

Figure 3.4-1

SOURCE: Willdan Associates



Woodward Pond
Existing Peak Hour Traffic

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Figure 3.4-2

SOURCE: Federhart and Associates

3.4.2 Environmental Impacts

The western portion of the site has been previously filled and the Woodward Sand Company has complete records of truck arrivals to the project site when it was accepting loads of fill. Analysis of a typical five day week in August 1988 revealed that there were 261 arriving trucks, or, an average of 52 per day. During the AM commuter peak hour, 10% arrived. In the PM peak, 11.5% of the trucks arrived.

The Woodward Sand Company is requesting permission for 80 trucks per day in order to fill the pond site over a five year period. Using the 1988 data, the daily generation of 80 trucks would produce eight arriving trucks in the AM peak hour and 9.2 trucks in the PM peak hour. If these are converted to passenger car equivalents, and it is assumed that the arriving trucks will make a round trip on the local streets in those peak hours, then the project will generate 36 PCE round trips in the AM peak hour and 40 PCE round trips in the PM peak hour.

Using the 1988 data, the direction of arriving trucks to the project site was found to be 95% from the west on Route 67, and 5% from the east. Using the project traffic generation that was derived, and the distribution just discussed, Figure 3.4-3 was manually derived to show the project traffic in passenger car equivalents for analysis purposes. Figure 3.4-3 shows both daily traffic and peak hour traffic.

The addition of project generated traffic to the existing circulation does not change the level of service at any of the intersections. Since the County will be installing a traffic signal in three or four years at the Riverford Road/Riverside Drive intersection, a comparison of LOS is pertinent at this intersection as if a signal was installed. When this is analyzed, the LOS remains at A.

Other potential traffic impacts may occur from inadequately controlled ingress and egress from the site, and from use of Riverside Drive to the east. An existing 4-way stop sign is located at the northwest corner of the site where the project driveway intersects Riverside Drive opposite Palm Row Drive. All project traffic should access and exit the site at this location. An exception to this route may be permitted if a route directly from Riverford Road at the existing entrance to the Woodward Sand Plant is developed which crosses the intervening City of San Diego property. This would be the most favorable route. Permission from the City and approval by the County Department of Public Works for needed improvements to safely ingress/egress via Riverford Road would be required.

Increased truck traffic on Riverside Drive east of the site would impact a significantly larger residential area and additional intersections. Since Riverford Road provides the most direct route to Highway 67, this is the preferred route for truck operations and, as noted above, was used for 95% of truck traffic to the site in 1988.

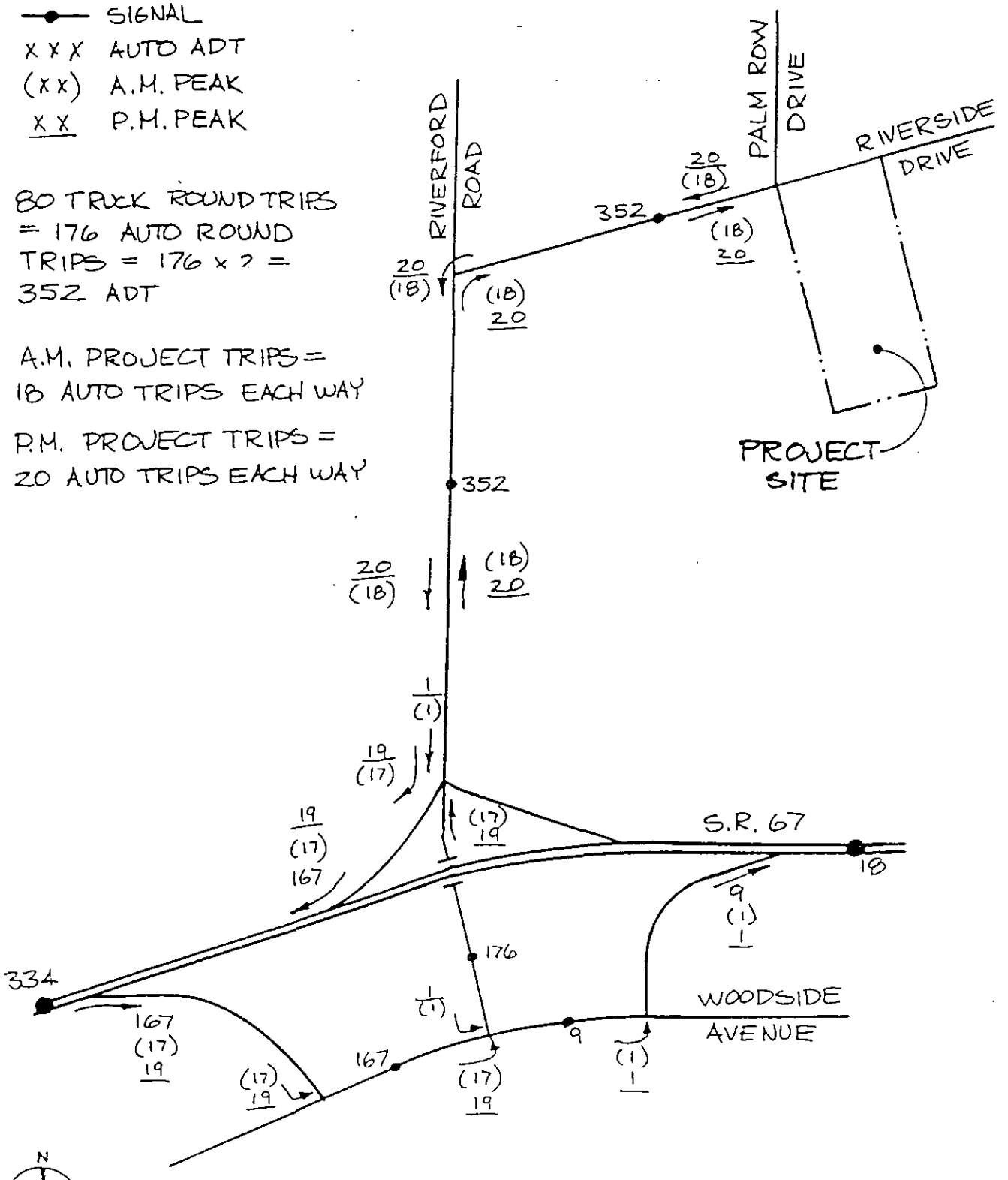
3.4.3 Mitigation Measures

Although the project will not be significantly impacting the local traffic circulation, it is recommended that some limited widening of northbound Riverford Road be undertaken. The reason for this is that project trucks will be making a right turn to Riverside Drive, and

currently the right turn lane is only ten-feet wide. Additionally, this intersection is to be signalized eventually. It is recommended that the east side of Riverford Road be widened by six feet for 300 feet south of Riverside Drive. This road would not need to be widened, however, if the city's approval for direct access to Riverford Road is obtained.

All truck traffic shall access the project site via the stop sign controlled intersection at Palm Row Drive and shall use Riverside Drive west of the site and Riverford Road south to Highway 67 only. A sign shall be posted at the exit to Riverside Drive that all truck traffic shall turn left and proceed west to Riverford Road and south to Highway 67 only. The applicant or successor in interest shall be responsible for enforcement of this required truck traffic route. Prior to commencement of fill import operations, the sign shall be in place and shall be maintained during the entire period of reclamation satisfactory to the Director of the Department of Planning and Land Use.

If approval of the City of San Diego is obtained for direct access to Riverford Road, and confirmation of acceptability of this route is received from the County traffic engineer, then the County Department of Public Works may allow access via the Woodward Plant site subject to additional analysis of traffic conditions and improvement requirements.



Woodward Pond

Project Traffic Assignment in Passenger Car Equivalents

Figure 3.4-3

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SOURCE: Federhart and Associates

3.5 NOISE

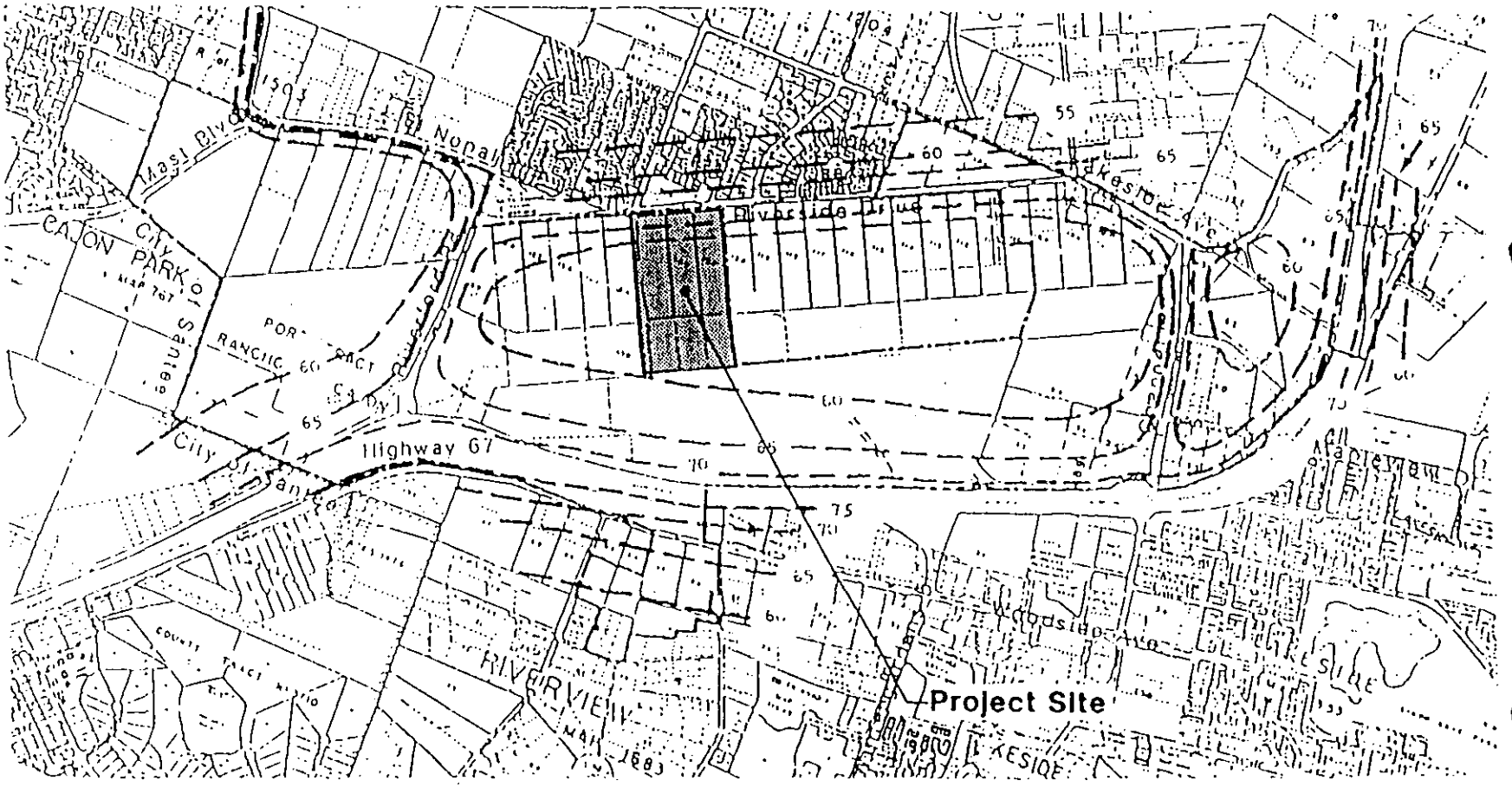
The following analysis is based on an Acoustical Analysis Report prepared by Acoustech Consultants dated December 31, 1990 and revised on July 16, 1991. This report is attached as Appendix D.

3.5.1 Existing Conditions

The project site has been used in the past for sand mining and subsequent re-filling of a mined pit. This activity is no longer occurring and the only use of the site is as an office for Woodward Sand Company with approximately four employees. Existing noise generating activities, therefore, are quite low. Existing ambient noise levels at the site are dominated by traffic noise. Riverside Drive has a current traffic use of 12,300 Average Daily Trips (ADT) adjacent to the site on the north; and, to the west, Riverford Road carries 13,400 ADT. Highway 67 to the south produces background noise which is evident over the entire region. Existing sand mining and aggregate processing activities, principally CALMAT which is adjacent to the south, and others to the east, contribute to background noise.

Noise conditions were measured in March 1990 for the USDRIP EIR and were measured again in December 1990 for the subject project. Table 2-1 in Appendix D compares the two measurements of existing conditions, including traffic counts and percentage of medium and heavy vehicles. The December results were slightly higher, yielding an hourly L_{eq} during the daytime of 64.5 dB(A) at 50 feet from the existing centerline of Riverside Drive. "L_{eq}" is used to express the average noise over a specified period, in this case an hour. This measurement is then used to calculate the area's "CNEL", or Community Noise Equivalent Level, which is a mathematically modelled expression of 24 hour noise levels which assumes lower nighttime traffic levels, but also adds penalties to evening and nighttime noise levels.

Figure 2.2-3 in the Project Description section of this report shows the location of noise-sensitive receptors in the area. The noise sensitive receptors include existing and planned residential communities. There are no least Bell's vireo nest locations in the immediate vicinity of the project (see Figure 3.2-2). The Noise Element of the County General Plan uses 60 dB(A) as the desired CNEL for a residential area. Under existing conditions, the 60 CNEL contour would extend to approximately 292 feet from the centerline of Riverside Drive and 297 feet from the centerline of Riverford Road. Figure 3.5-1 is a CNEL contour map for existing conditions in the vicinity of the site. Figure 2-2 in Appendix D shows the CNEL contours for a larger area, including Highway 67 and Riverford Road. Approximately 56 homes shown on Figure 3.5-1 located north of Riverside Drive are within the 60 CNEL contour. Also shown is the area of planned mobilehomes to the east of the subject project. This CNEL noise level estimate does not consider the attenuation effect of walls or other structures that may exist between the noise source and the receptor.



N

No Scale

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Woodward Pond
CNEL Contours

Figure 3.5-1

3.5.2 Environmental Impacts

The proposed project will generate noise from two sources: Haul trucks arriving and departing from the site via Riverford Road and Riverside Drive; and on-site use of construction equipment to excavate unsuitable fills, place imported fill, and to crush concrete fill material. Reclamation of the site is a three-phased project, as follows:

3.5.2.1 Phase 1

Site Reconnaissance included site testing, primarily geotechnical, involved in the preparation of this EIR. It resulted in recommendations for remedial measures to correct existing conditions, and for proper monitoring and placement of new fill.

3.5.2.2 Phase 2

Site Preparation will commence upon approval of the Reclamation Plan by the County of San Diego, and involve the excavation of past on-site fill in order to test the suitability of this material and supervise its removal and/or compaction, if it is deemed unsuitable for use as fill. One diesel powered, track propelled loader will be used to excavate fill areas; one diesel powered, rubber tire front end loader will be used to move material on-site and load unsuitable material onto trucks for removal off-site. A diesel water truck will be used for dust control, making four passes a day along work areas and on-site haul routes; and a 4-cylinder diesel pump will be operated as needed to pump water from the existing pond. A concrete crusher (model 3901 by Rock Systems) will be used to reduce rock or concrete fill material to an acceptable size. Ten round trips per day (i.e., 20 one-way trips) by haul trucks are also estimated during Phase 2. Operations will be conducted daily Monday through Saturday, 7:00 a.m. to 5:00 p.m. daily. This phase is expected to last four to six months, but may last for up to one year, depending on soil conditions encountered.

3.5.2.3 Phase 3

Site Reclamation will involve the importation of approximately 1,000,000 cubic yards of imported fill and the placement and compaction of this fill. Noise will be generated on- and off-site by the operation of a maximum of 80 round trips per day by haul trucks (Monday to Friday) and 20 round trips per day on Saturday. Operating hours will be 7:00 a.m. to 5:00 p.m. Throughout Phase 3, one diesel, track propelled front end loader is assumed to be operating from 7:00 a.m. to 5:00 p.m. Monday to Friday distributing or compacting fill; and the water truck will also be making four passes per day. As in Phase 2, a portable concrete crusher is expected to be utilized intermittently to reduce rock or concrete fill material to an acceptable size. Table 3.5-1 summarizes noise sources from project operations during Phases 2 and 3.

Noise impacts were evaluated separately for truck traffic and on-site operations. In addition, since trucks will also be operating on-site in delivering their loads, this impact was included to determine "worst case" on-site noise. The particular noise receptor of concern from on-site operations is the mobilehome park now under construction on the adjacent land to the east (see Figure 2.2-3). Eighty-eight mobilehomes are to be located in this area which borders approximately 600 feet of the project site.

TABLE 3.5-1

NOISE SOURCES

Phase	Equipment	Number	Days/Hours of Operation	Period
Truck Traffic				
2	12 cf[1] Haul Trucks	10[3]	Mon-Sat/7am - 5pm	TBD[2]
3	12 cf Haul Trucks	80	Mon-Fri/7am - 5pm	5 yrs
3	12 cf Haul Trucks	20	Sat/7am - 5pm	5 yrs
On-Site Equipment				
2	Track Loader	1	Mon-Sat/7am - 5pm	TBD
2	Concrete Crusher	1	Mon-Sat/7am - 5pm	TBD
2	Front End Loader	1	Mon-Sat/7am - 5pm	TBD
2	Diesel Pump	1	Mon-Sat/7am - 5pm	TBD
2	Water Truck	1	Mon-Sat/4 x per day	TBD
3	Track Loader	1	Mon-Sat/7am - 5pm	5 yrs
3	Water Truck	1	Mon-Sat/4 x per day	5 yrs
3	Concrete Crusher	1	Mon-Sat/7am - 5pm	TBD

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[1]cf = Cubic feet of capacity
[2]TBD = To be determined
[3]RT = Round trips

3.5.2.4 Truck Traffic

The majority of import is expected to originate in metropolitan areas west of Lakeside, and be transported to the site via Highway 67, using the Riverford Road off-ramp, north to Riverside Drive, east to the stop-sign controlled intersection at Palm Row Drive, and make a right turn into the property. There will be a control station at the project entrance to check incoming loads, collect fees, and direct the trucks to an area for dumping. Noise from truck traffic will primarily impact residential areas located along the north side of Riverside Drive. A few residences also exist along the west side of Riverford Road, near its intersection with Riverside Drive.

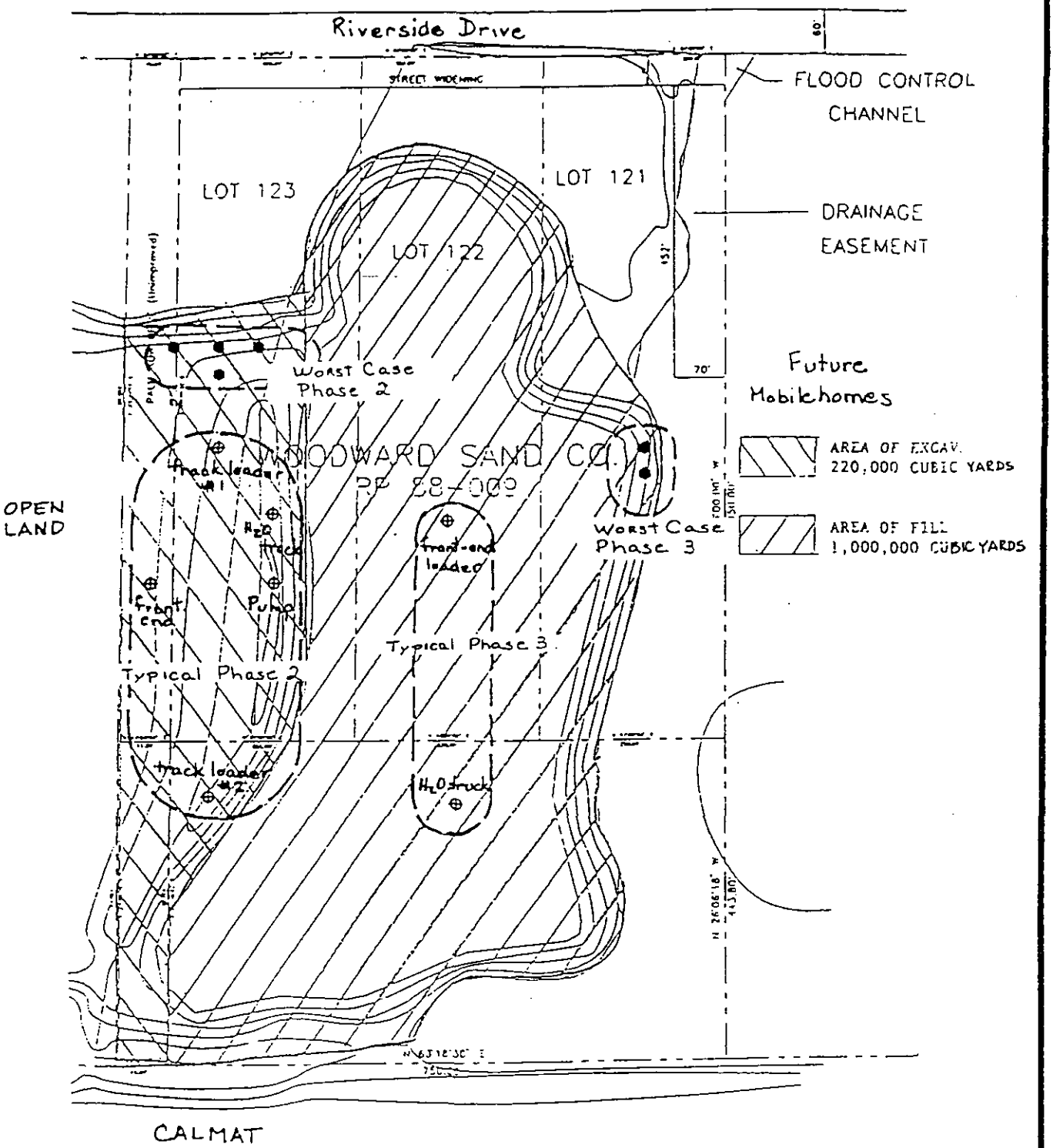
Approximately 1,000,000 cubic yards of imported fill will be needed to complete reclamation activities. Woodward Sand Company has estimated that this could take five to seven years, with five years being the time period used to determine "worst case" traffic and noise impacts. Fill operations are expected to be conducted six days per week (Monday through Saturday), 50 weeks per year. Approximately 83,333 round trips by 12 cubic yard trucks will be required in order to complete fill operations in five years (i.e., 1,500 days). Truck operations are proposed to be limited on Saturdays to a maximum of 20 round trips, which will require an average of 63 round trips per day on Monday through Friday in order to complete reclamation in five years. Since the availability of material, weather conditions, and other circumstances will cause fluctuations in activity, a maximum of 80 round trips per day is proposed. Please note that for purposes of traffic and noise analyses, each round trip is represented as two "trip ends", thereby doubling total daily trips to 40 (Saturday) and 160 (per day, Monday through Friday).

The acoustical analysis evaluated noise impacts based on the increase in heavy truck traffic on Riverside Drive and Riverford Road of 160 one way trips per day and calculated the CNEL increase at 50 feet from centerline of the two roads. Riverside Drive would increase from an existing level of 71.5 dB(A) to 72.8 dB(A) (a 1.3 dB(A) increase); and Riverford Road would increase from 71.6 dB(A) to 72.8 dB(A) (a 1.2 dB(A) increase). This increase is not considered to represent a significant noise impact as a result of the project.

3.5.2.5 On-Site Operations

A greater noise impact will result from on-site operations due to the planned proximity of the mobilehome residences to the east. The Acoustical Analysis evaluated both a "typical case" and a "worst case" for Phase 2 and 3 operations, which depend on the location of equipment. Figure 3.5-2 shows the assumed location of equipment for each case and each phase. One piece of equipment not shown in this figure is the portable concrete crusher. Noise data for this type of rock crusher has been obtained and was calculated to be 90 dB(A) at a reference distance of 50 feet. While all of the earth moving equipment is considered to be operating at grade (a worst-case situation), the diesel pump and concrete crusher will be located below grade. In particular, the concrete crusher will be located below grade to minimize the noise impact. No terrain shielding has been assumed in this analysis. For the purposes of this analysis, the mean values of the noise level range for the appropriate equipment type have been used, except for the concrete crusher, where the maximum expected value has been used. Table 3.5-2 summarizes noise impacts from on-site operations, including haul trucks on-site, at the centerline of Riverside Drive and at the east boundary line of the project.

As shown on the Table, the greatest noise impact will be an hourly L_{eq} of 81.8 dB(A) during Phase 3 when equipment is operating near the east property line. The significance of this noise level can be evaluated in terms of its compliance with two different standards of the County Noise Ordinance (Section 36.401 et seq of the County Code), and to the Noise Element of the County General Plan:



No Scale

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Woodward Pond
On-Site Equipment Locations

Figure 3.5-2

SOURCE: Ninyo and Moore

Sec. 36.410 - Noise from construction equipment is limited to 75 decibels for not more than eight hours in any 24 hour period; and hours of operation are limited to 7:00 a.m. to 7:00 p.m., Monday to Saturday. Noise is measured at the boundary of any property used for residential purposes.

County Noise Element:

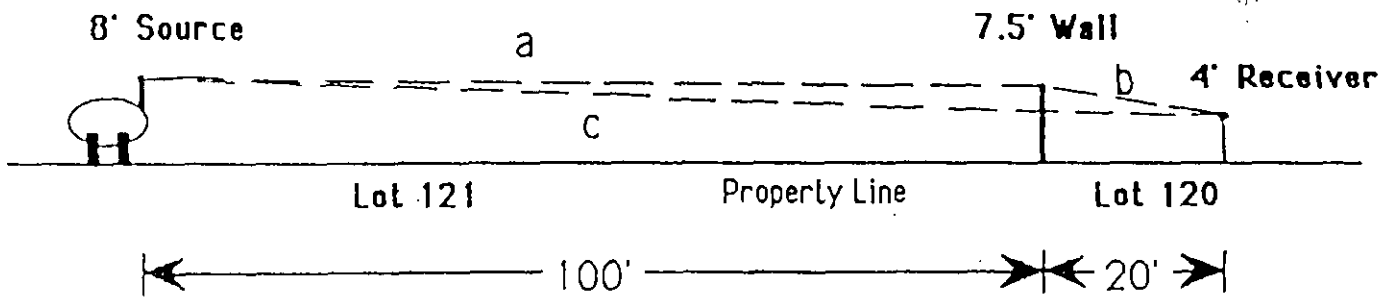
Policy 4b - New development should not cause noise levels at any residential building site to exceed 60 decibels CNEL.

Phase 2 operations, assuming the "worst case" scenario would conform to the County Noise Ordinance Policy 36.410 at both the Riverside Drive center line and at the boundary lot. Phase 3 operations, assuming the "worst case" scenario would conform to the County Noise Ordinance Policy 36.410 at the Riverside Drive centerline. Worst case Phase 3 operations would not conform to this policy at the boundary lot. At this point, the hourly L_{eq} would be 81.8 and this would require mitigation.

3.5.3 Mitigation Measures

No mitigation measures would be required for Phase 2 on-site activities because the noise levels generated by these activities would be below 75 dB. Additionally, equipment and trucks operating in Phase 3, in a typical, average spatial configuration, are also predicted to produce levels below 75 dB and would not require any mitigation. In a "worst case" equipment configuration in Phase 3 (see Figure 3.5-2), an eastern boundary line L_{eq} of 81.7 dB(A) could occur during some periods, and this would require mitigation. A 6.7 dB noise reduction would be necessary so as not to exceed county residential property line limits of 75 dB(A) required adjacent to a construction site.

Several mitigation alternatives are available for use along the eastern boundary to mitigate the Phase 3 "worst case" configuration. These include an earthen berm, a block or otherwise solid wall. Figure 3.5-3 illustrates the geometry for a worst-case source location from the boundary and a barrier along the lot line. Assuming an eight foot source, a 7.5 foot solid wall (block, wood, or otherwise) is required to reduce noise in the vicinity of the boundary to 75 dB or less. An eight-foot earthen berm is proposed by the project pursuant to an existing agreement with the mobilehome park owner to the east. This would reduce noise from on-site operations to 75 dB or less.



Case 1	a = 100.00	a + b - c = 0.23
Receiver 20'	b = 20.30	Barrier loss = 3 dB
inside boundary	c = 120.07	Additional Prop. loss (@120') = 1.5 dB
		Total Leq @ Receiver = 78 - 4.5 = 73.5 dB
Case 2	a = 100.00	a + b - c = 1.02
Receiver 5'	b = 6.10	Barrier loss = 8 dB
inside boundary	c = 105.08	Total Leq @ Receiver = 78 - 8 = 70 dB

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Woodward Pond

Noise Mitigation Wall

Figure 3.5-3

3.6 PUBLIC SAFETY

3.6.1 Existing Conditions

The site is in relatively close proximity to residential land uses, and because of this there is a concern for public safety. In its present condition, the site is considered a public hazard. This is due to the high vertical side slopes that exist around portions of the pond. In many places the side slopes exist as a cliff measuring 15 to 20 feet in height. There is a danger that persons could slip and fall into the pond and that unstable soil could collapse on top of them.

The site is currently unfenced along the western and southern boundaries. The northern fence consists of fence posts with three strands of wire. The fencing that currently exists on site is not considered adequate to prevent people from entering the site. Evidence of camping by homeless workers exists on the site. Additionally, the site is used for recreational purposes by local youth. Jet-skiers have been observed using the pond as a jet-skiing site. Additionally, swimming and parties have been observed taking place on site.

3.6.2 Environmental Impacts

During daily on-site operations, normal security should ensure that unauthorized persons do not come onto the site and injure themselves. During off hours, unauthorized access, particularly by adventurous children or by homeless workers camping on the site, could result in injury and make the area hazardous to public safety.

3.6.3 Mitigation Measures

The impacts to public safety will be mitigated by project design. A six-foot high chain link fence shall be installed and shall encompass all working areas of the proposed project. The fence will be locked during non-operating hours. Upon completion of reclamation, the entire perimeter of the area and any dangerous areas shall remain fenced.

"No Trespassing/Unstable Slopes" signs, in English and Spanish, shall be placed every 100 feet along the fence. Upon completion of reclamation the fence may be removed, except that the Director of the Department of Planning and Land Use may require that the fence remain around the remaining pond adjacent to the San Diego River until installation of flood control and habitat restoration improvements in this area have been completed.

4.0 ALTERNATIVES TO THE PROPOSED PROJECT

In order to more fully evaluate proposed projects, CEQA mandates that alternatives to their implementation be discussed. These alternatives should focus on the elimination of identified significant adverse environmental effects or on the reduction of these effects to a level of insignificance. The evaluation of these alternatives is necessary even if their implementation would impede to some degree the attainment of project objectives, or would be more costly. As discussed in previous sections of this EIR, no significant unmitigable impacts are associated with the proposed project.

Alternatives to the proposed project include the "no project" alternative and the landscaped pond alternative.

4.1 No Project Alternative

Under this alternative, the pond would not be filled, and the site would be left in its existing condition. The "no project" alternative, however, would not conform to the land use objectives of the adopted RiverWay Specific Plan which designates the site for industrial use. The site, in its existing condition, is subject to flooding hazards and, due to its presently unsafe condition, presents a liability concern to the land owner.

4.2 Landscaped Pond Alternative

Under this alternative, the pond would not be filled and would be landscaped. In order to implement this alternative, all slopes within the project site would need to be stabilized, recontoured, and filled to allow for a 2:1 slope ratio. The periphery of the pond would be revegetated with riparian vegetation. This alternative would also not meet the objectives of the RiverWay Specific Plan, nor would it meet the goals of the USDRIP Redevelopment Agency. When the flood control improvement plans of the Specific Plan are implemented, the existing pond level would be ten-feet higher than nearby water levels, which could present a flooding problem.

5.0 EFFECTS FOUND NOT TO BE SIGNIFICANT

Based on the County of San Diego's initial review of the project, this EIR has focused on the following issues: Aesthetics/Visual Quality, Biological Resources, Grading/Groundwater Contamination, Traffic, Noise, and Public Safety. All these issues were addressed in the preparation of this EIR. Significant, but mitigable impacts will result from the project in the areas of Aesthetics/Visual Quality and Noise. The issues of Biological Resources, Grading/Groundwater Contamination, Traffic, and Public Safety were found not to be significant based on the project's plan to incorporate specific measures into the Reclamation Plan.

6.0 THE RELATIONSHIP BETWEEN LOCAL SHORT TERM USES OF MAN'S ENVIRONMENT AND THE ENHANCEMENT OF LONG-TERM PRODUCTIVITY

The Woodward Pond site is dominated by the steep, water-filled pit and surrounding visual blight. Implementation of the proposed project would involve the removal of the existing blight and the filling of the pond. The end result would be a level, stable surface which would subsequently be developed according to the aims of the RiverWay Specific Plan. Implementation of the proposed project would result in a change in land uses from the current blighted, unproductive use to a use which would be visually enhanced and economically productive.

7.0 ANY SIGNIFICANT IRREVERSIBLE ENVIRONMENTAL CHANGES WHICH WOULD BE INVOLVED IN THE PROPOSED ACTION SHOULD IT BE IMPLEMENTED

Implementation of the proposed project would result in the permanent conversion of a disturbed but undeveloped site to urban uses, primarily industrial. A 3.5 acre pond would remain. Implementation of the project will result in increased traffic and associated noise in the local area.

8.0 REFERENCES, PERSONS AND AGENCIES CONSULTED

Beck, Stephan A., Senior Project Environmental Geologist, Ninyo & Moore
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1988 Preliminary Draft of the Biological Assessment and Conceptual Compensation Plan of the Upper San Diego River Improvement Project, Lakeside, California. Report prepared for the Redevelopment Agency of the County of San Diego, April.

9.0 CERTIFICATION

This report presents a full disclosure and independent analysis of all the identified resources and impacts associated with the proposed Woodward Pond Reclamation Plan as required by the California Environmental Quality Act.

Brian F. Mooney Associates

Jerry H. McLees, AICP
Senior Project Manager

William R. Graham
Director of Environmental Services

This report was prepared by Brian F. Mooney Associates of San Diego, California. The following staff members contributed to this report:

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Consultants contributing to this report:

Entranco Federhart	Traffic
Acoustech Consultants	Noise
Ninyo & Moore	Grading/Groundwater Contamination

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APPENDIX A
NOTICE OF PREPARATION

June 11, 1991

NOTICE OF PREPARATION
ENVIRONMENTAL IMPACT REPORT

The County of San Diego announces the initiation of environmental studies in connection with the proposed Woodward Pond Reclamation Plan. Pertinent information about the project, its location, and potential environmental effects is included in this announcement.

The County of San Diego requests input concerning the potential impacts of the project so that they may be adequately addressed in an Environmental Impact Report (EIR). Those public agencies with specific regulatory responsibilities are requested to indicate their role in the project approval process. Written responses should be sent at the earliest possible date, but no later than forty-five (45) days from the date of this notice. Please send your responses to :

Brian F. Mooney Associates
9903-B Businesspark Ave.
San Diego, CA 92131

Attn: Amy Fandel
(619) 578-8964

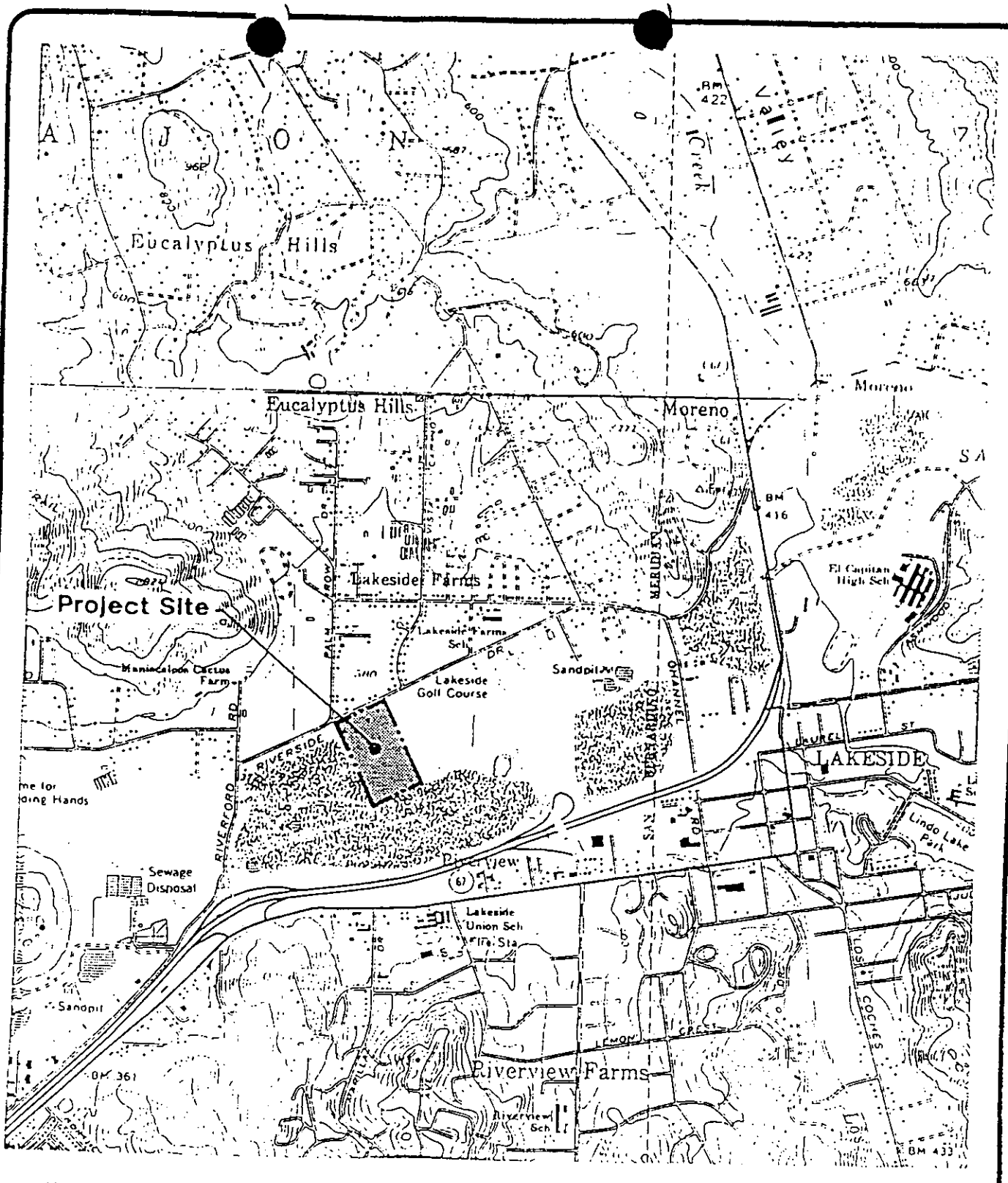
PROJECT LOCATION

The project site is located in the community of Lakeside on the southerly side of Riverside Drive approximately 1500 feet easterly of Riverford Road, and within the floodplain of the San Diego River. The location of the project is depicted on Figure 1.

PROJECT DESCRIPTION

The proposed project is a Reclamation Plan filed pursuant to the California Surface Mining and Reclamation Act of 1975, the Extractive Use Regulations of the County Zoning Ordinance and Chapter 7 of the County Grading Ordinance. The project has been mined for construction quality sand used in the production of aggregate products since approximately 1982, pursuant to Major Use Permit P82-027, which authorized mining to approximately 10 feet below water level and the creation of the pit which exists today. By 1989, mining of the site had been essentially completed and refilling of the pit was commenced. The purpose of a Reclamation Plan is stated in Section 87.704 of the Grading Ordinance as follows:

> The reclamation plan shall provide in designated phases for the progressive rehabilitation of the mining site land form so that when reclamation is complete, it will contain stable slopes, be readily adaptable for alternate land uses, and free



Woodward Pond

Vicinity Map

brian f mooney associates
planning, design & environmental studies

Figure 1

SOURCE: U.S.G.S. 7.5' Quad Map (San Vicente Reservoir & El Cajon)

of derelict machinery, waste materials and scrap. The proposed mining site land form, to the extent reasonable and practical, shall be revegetated for soil stabilization, free of drainage problems, coordinated with present and anticipated future land use, and compatible with the topography and general environment of surrounding property.

ENVIRONMENTAL ISSUES

Biological Resources: The analysis will focus on the adjoining riparian habitat associated with the San Diego River. The project's impact on the goals of the San Diego River Habitat Conservation Plan will be discussed. The project's conformance to the Upper San Diego River Improvement Project (USDRIP) Specific Plan and revegetation plan will be analyzed.

Aesthetics/Visual Quality: The potential impacts to visual quality as it relates to temporary construction activities related to the filling of the pond will be assessed. The project's conformance to the USDRIP Specific Plan will be analyzed.

Grading/Groundwater Contamination: An analysis of potential impacts to groundwater quality will be conducted. The analysis will focus on the project site's proximity to the San Diego River, and the backfilling of the pond that is proposed.

Traffic: Construction-related traffic volume and duration will be estimated. The impacts to roadways, intersections, and communities will be analyzed.

Noise: An analysis of potential noise impacts will be conducted. The analysis will focus on potential noise impacts on "noise sensitive" resources, such as the least Bell's vireo habitat and residential land uses.

Public Safety: An analysis of potential public safety hazards on site will be conducted.

APPENDIX B
ENVIRONMENTAL SITE ASSESSMENT REPORT

HAZARDOUS MATERIALS MANAGEMENT DIVISION
UNDERGROUND TANK REMOVAL/CLOSURE REPORT

FIRE AGENCY PRESENT?
☐ YES ☐ NO
PERMIT NO. _____
DEPT. _____
% L.E.L. _____

ESTABLISHMENT # H28485-001 PLAN CHECK # AT2808 T2542

SITE NAME WILLOW BROOK COUNTRY CLUB PHONE _____

SITE ADDRESS 11905 RIVERSIDE DR. LAKESIDE CITY/ ZIP CODE 92040

CONTRACTOR WESTERN Pump PHONE 444-5777

NUMBER OF TANKS _____ ☒ REMOVAL ☐ CLOSURE IN PLACE

					REMARKS:
TANK EDP NUMBER	TOO1				(1) TANK WAS HEAVILY CORRODED
U/L TAG NUMBER	UNKNOWN				~ INCH DIAMETER HOLE FOUND
CAPACITY (GALS)	1000				ON WEST BOTTOM END OF TANK
MATERIAL STORED	GASOLINE				TANK STOPPED BEING USED
DECONTAMINATION?	TRIAD MARINE				AT THE 1ST OF THE YEAR PER
MANIFEST AVAILABLE?	#915220234	56	GALS TO DE		MANAGER.
% LEL (CGI READING)	<5%				
DRY ICE/OTHER (AMT)	15 POUNDS				
TANK CONDITION	SEE REMARKS				
BACKFILL SOIL TYPE	MEDIUM	COARSE	SAND		
BACKFILL CONDITION	SOME DISCOLORATION	SLIGHT	ODORS		
NATIVE SOIL TYPE	COARSE	SAND	ODORS		
NATIVE CONDITION	SLIGHT DISCOLORATION/	VERY	STRONG	GAS ODORS	
EXCAVATION ODORS?	STRONG	GASOLINE	ODORS	NOTED	
STOCKPILE ODORS?	SLIGHT				
PONDED PRODUCT?	NONE	NOTED			* SECURE TANK EXCAVATION
PIPELINE LEAK?	UNKNOWN				UPTAKE REACTION NECESSARY
REINSPECTION REQUIRED?	NO				TO MINIMIZE GAS ODORS FROM BEING EXPOSED TO SURROUNDING COMMUNITY.

NOTICE: You are hereby notified that on 1/26/93 a Hazardous Materials Specialist conducted an inspection for the closure of ONE hazardous substance underground storage tanks. A summary of the conditions follows:

☒ A determination of this site's status is pending receipt of Laboratory Analyses Results for samples taken this date. Results must be submitted within 30 days. To avoid delays, have the Laboratory send a copy of the results directly to ROBERT RAPISEA (print) of the (HMMD) see address below:

☐ Contamination of the excavation area has been noted by observations made during the tank removal this date. **BEGIN SITE ASSESSMENT PHASE**-(See reverse for details).

The Laboratory results have been reviewed by _____
(of the HMMD) on ___/___/___ and indicate the following:
☐ NO FURTHER ACTION IS REQUIRED.
☒ **BEGIN SITE ASSESSMENT PHASE** (See attached information). 2/11/93 MOV
Phone Contact _____ Date Form was Mailed ___/___/___

Received By Gordon Beckett

Printed Name Gordon Beckett

Phone Number 696-5777

(HMMD COPY)

Hazardous Materials Specialist
County of San Diego
Department of Health Services
HMMD - P. O. Box 85261
San Diego, CA 92138-5261
(619) 338-2222

DHS:HM-916 (10/89)

Type(s) of hazardous substance(s) released: GASOLINE

Is hazardous material ponded? NO What is estimated amount? _____

Is amount of hazardous substance release known? NO Estimated amount? _____

What is estimated depth to ground water below the site? > 10' feet

Is site located in a beneficial use area? YES

SOIL CONDITIONS:

Is backfill discolored? SLIGHT Estimated amount _____

Is backfill saturated? NO Estimated amount _____

Is native soil stained? SLIGHT Estimated amount _____

Is native soil saturated? NO Estimated amount _____

Describe native soil type(s) COARSE SAND LOOSE (RIVERBED TYPE SAND)

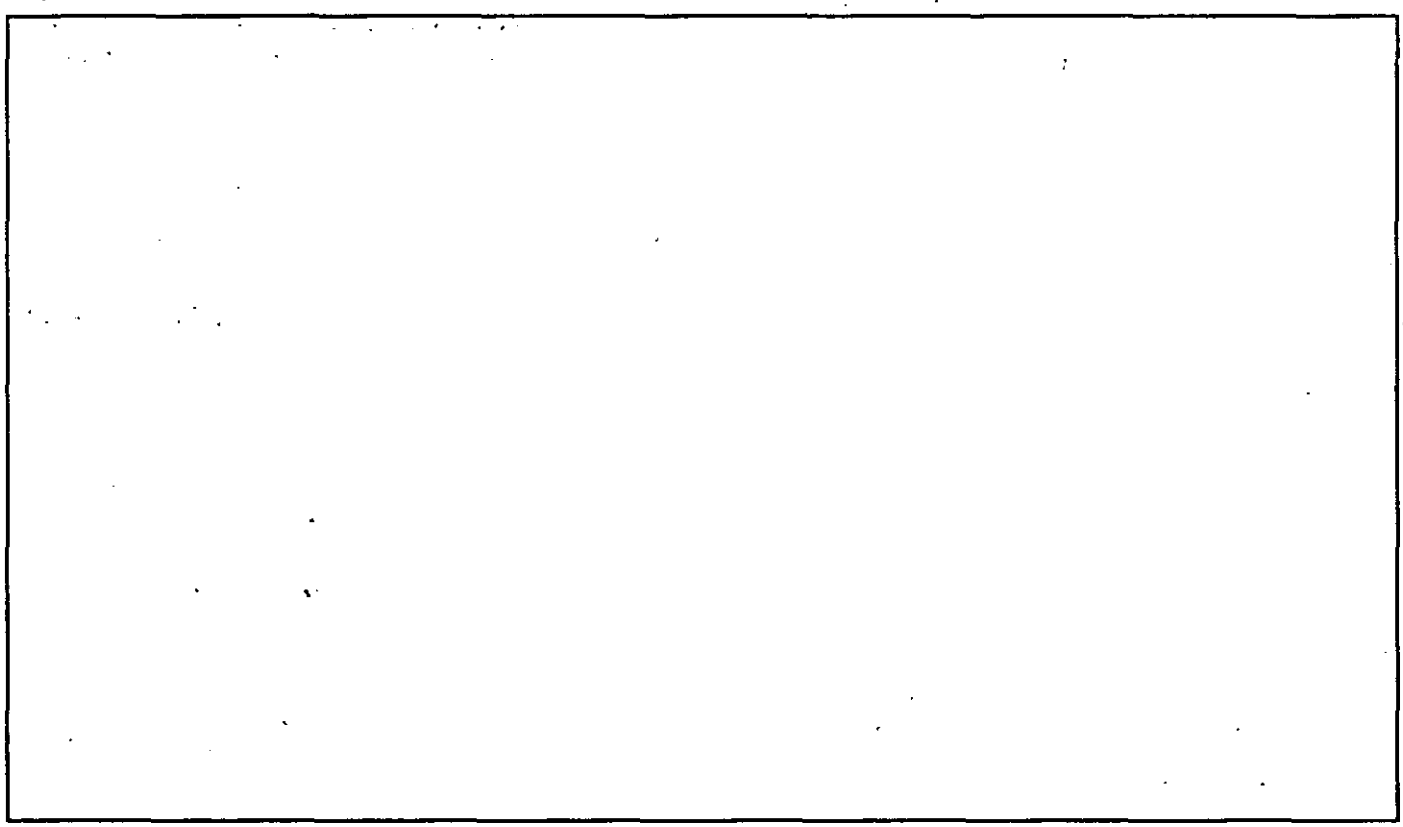
Condition of tank(s) (holes, corrosion, wrapping, seams) HEAVILY CORRODED, HOLES FOUND ON WEST BOTTOM SIDE OF TANK, AND BOTTOM OF TANK WEST END (~1" IN DIAM.)

Piping leak location UNKNOWN

Nearby water wells or surface waters? none noted

Any known underground vaults, utilities or basements nearby? NONE NOTED

FURTHER COMMENTS: SOIL WAS VERY SAND & LOOSE DURING SAMPLE. HEAVY STRONG GASOLINE ODORS NOTED DURING SAMPLING, ESPECIALLY WHEN SAMPLING ON WEST END.



(HMMD) **PLOT PLAN** EST. # H

FIELD NOTES

Date: 1/26/93 H 28485

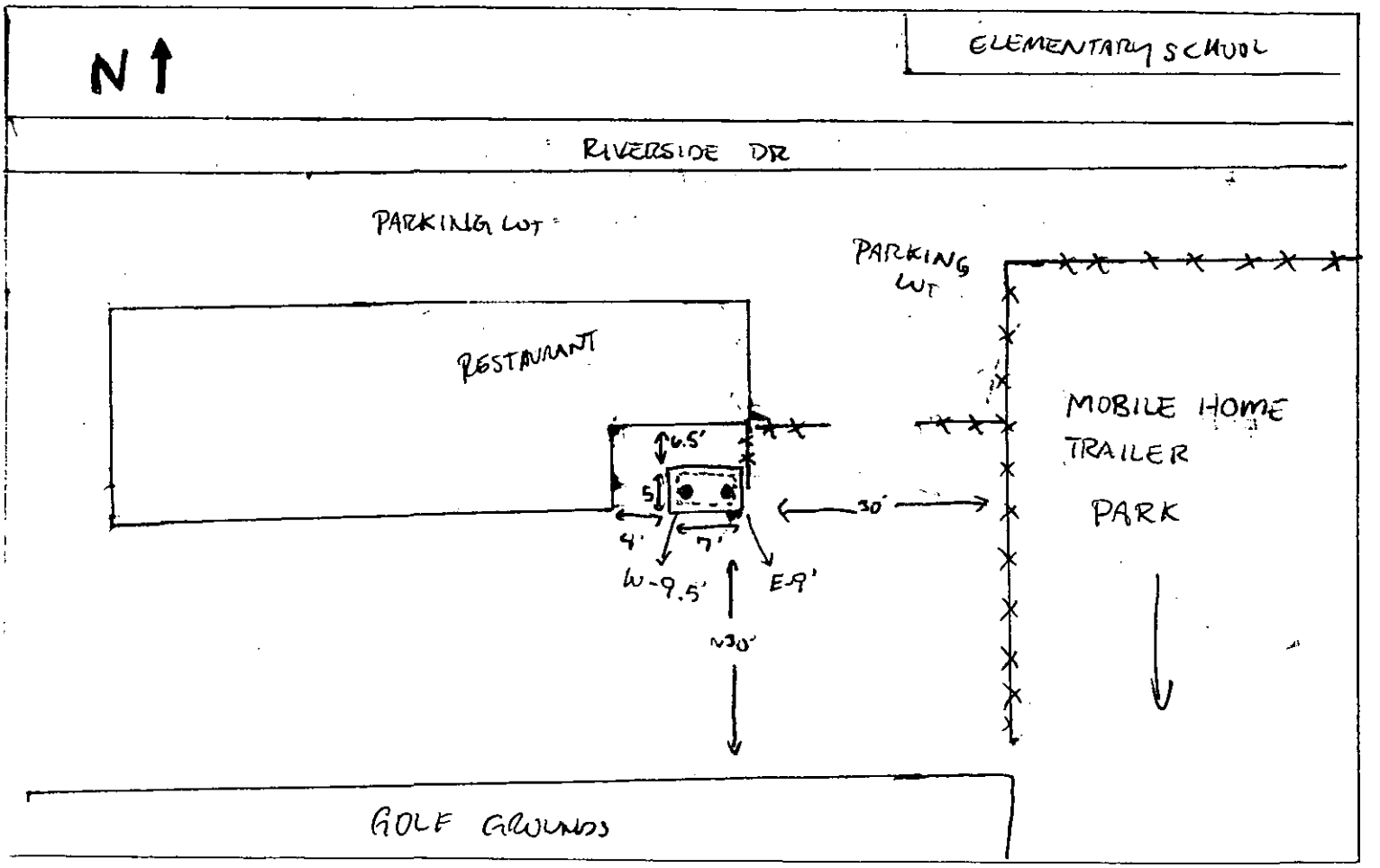
Tank(s) last used: 1st of the year (AT)INT 2808

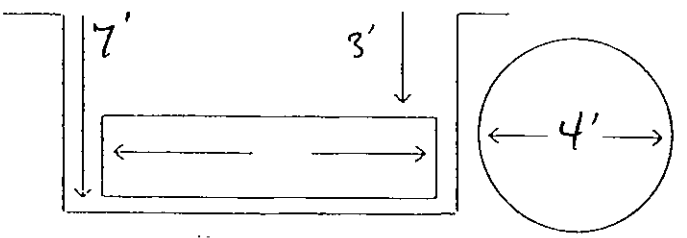
Approx. age of tank(s): unknown

Tank(s) destination: Los Graciosas

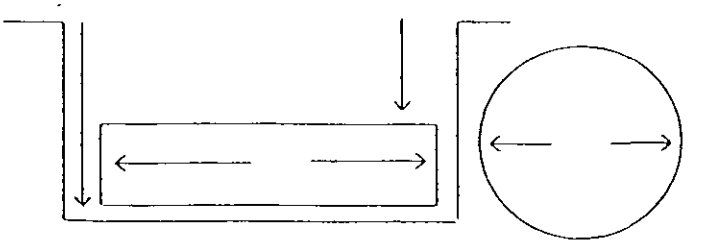
Manifest #: 91522436 Gallons: 55 to: DK

Decontamination by: TRAO lbs. dry ice: (1) 15 (2) ____ (3) ____ (4) ____

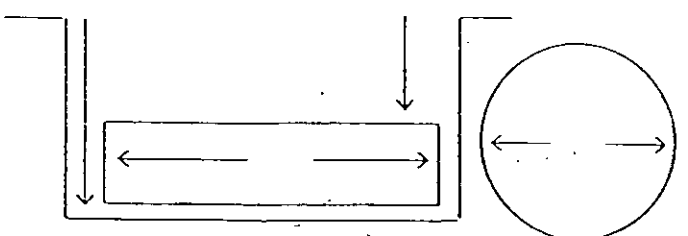




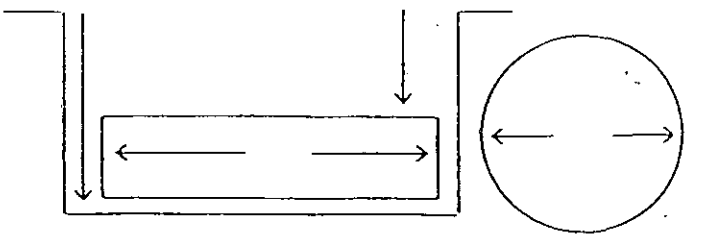
TANK 1



TANK 3



TANK 2



TANK 4

1211

County Of San Diego PO # 1853

Chain-of-Custody Record

DATE 1/26/93 PAGE ___ OF ___

Project Name WILLOWBROOK COUNTRY CLUB
Reference TANK EXCAVATION
Address 11905 RIVERSIDE DR
LAKESIDE CA
Samplers Signature Gordon Beckett
Lab To Be Used QAL

SAMPLE NO.	DATE	TIME	LOCATION	TPH G-Gx DOHS METHOD	TPH EPA 418.1	BTXE (8020/602)	HALOGENATED (8010/601)			SOLID	LIQUID	GRAB	COMPOSITE	NO. OF CONTAINERS	COMMENTS
W-9.5'	1/26/93	12:30	WEST END OF TANK 9.5' BSG	X	QA #	1269-9301				X		X		1	DOORS NOTED
E-9.0'	1/26/93	11:37	EAST END OF TANK 9' DSC.	X	QA #	1270				X		X		1	
															HYDRAULIC FLUID FROM THE BACKHOE MAY BE PRESENT.
															GIVE CARBON COPY TO RANGER
															SAMPLES SEEN BY INSPECTOR

COPY OF LAB RESULTS MUST BE SENT TO:
County Of San Diego
Hazardous Materials
Management Division
P.O. Box 85261
San Diego, Ca 92138-5261

1 RELINQUISHED BY	Date	2 RELINQUISHED BY	Date	3 RELINQUISHED BY	Date
Signature Gordon Beckett	1/26	Signature		Signature	
Printed Name Gordon Beckett	Time 13:15	Printed Name	Time	Printed Name	Time
Company Western Pump Inc		Company		Company	
RECEIVED BY	Date 1/26/93	**RECEIVED BY**	Date	**RECEIVED BY (LAB)**	Date
Signature Ron Goldman		Signature		Signature	
Printed Name QA Cass	Time 13:15	Printed Name	Time	Printed Name	Time
Company		Company		Company	

2 TOTAL NO. OF CONTAINERS

Sample Conditions
Received On Ice (Yes)/No
Tape Seal Intact (Yes)/No

Special Shipment/Handling Or Storage Requirements:
Normal TAT

Split Sample Location
NONE

Site Identification
H# 28485 AT# 92040
HMMD RAPISTA

DHS:HM-999 (10/90) NCR

County of San Diego
Department of Health Services

COUNTY OF SAN DIEGO

HAZARDOUS MATERIALS MANAGEMENT DIVISION

UNDERGROUND HAZARDOUS MATERIALS STORAGE TANK FACILITY

PERMIT APPLICATION

PART I

GENERAL PROJECT INFORMATION

FOR HMMD USE
EST#: H28485
PLAN CH#: AT2905
DATE RECEIVED: 9/05/9
FEE PAID: $375.00
PLAN APPROVAL: 1/14
HYDRO UNIT: 7.1
BENEF. USE: gw

A. SITE ADDRESS: 11905 RIVERSIDE DR.
City LAKESIDE Zip 92040

B. PROPERTY OWNER:
Assessors Parcel No. 379-192-23
Company ALPHA INVESTMENTS Contact SPERO TZATHAS
Mailing Address 11905 RIVERSIDE DR. City LAKESIDE Zip 92040
Phone ( ) 561-1061
24 Hr. Emergency Contact SPERO TZATHAS Phone ( ) 561-1061

C. TANK OPERATOR:
Company WILLOWBROOK COUNTRY CLUB Contact SPERO TZATHAS
Mailing Address 11905 RIVERSIDE DR. City LAKESIDE Zip 92040
Phone ( ) 561-1061
24 Hr. Emergency Contact SPERO TZATHAS Phone ( ) 561-1061

D. CONTRACTOR:
Primary Contractor WESTERN PUMP, INC. Contact GORDON BECKETT
Mailing Address 3235 "F" ST City SAN DIEGO Zip 92102
Phone ( ) 696-5777
State Contractor License 477199
Worker's Compensation Insurance Company LIBERTY MUTUAL

E. APPLICATION SUBMITTAL, PLAN APPROVAL, PERMIT ISSUANCE, AND REQUIRED INSPECTION

Submit three (3) copies of this application package, including plan drawings, with the required fee to the Department of Health Services, Hazardous Materials Management Division, 1255 Imperial Ave., San Diego, CA or mail to P.O. Box 85261, San Diego, CA 92138-5261. Checks should be made payable to the County of San Diego.

A permit will be issued by the HMMD upon review and approval of the application and plans. The required fees must be submitted with the application package. Information in addition to that presented in the application package may be needed in order to obtain final approval. No work is to begin on the proposed project until a permit has been issued. The required inspections cannot be scheduled until a permit is issued.

Once the permit has been issued, it is the responsibility of the permittee to notify the HMMD at least two (2) working days in advance to schedule each required inspection.

Construction stages at which inspections are required are indicated in each subpart of this application form (i.e., Part II,III IV, and V).

Quality Assurance Laboratory
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

RECEIVED
FEB 5 11 06 AM '93
ENVIRONMENTAL
HEALTH SERVICES

WESTERN PUMP, INC.
ATTN: GORDON BECKETT
3235 "F" ST.
SAN DIEGO, CA 92102

DATE OF REPORT	FEBRUARY 3, 1993
DATE SAMPLE RECEIVED	JANUARY 26, 1993
SAMPLING DATE	JANUARY 26, 1993
DATE OF FINAL REVIEW	FEBRUARY 2, 1993
ANALYZED BY	EA
SAMPLE TYPE	2 SOIL
PROJECT NAME	WILLOWBROOK COUNTRY CLUB

FEBRUARY 3, 1993

WESTERN PUMP, INC.
ANALYSES RESULTS
SAMPLE TYPE - SOIL

ANALYSES RESULTS

LOG NUMBER	SAMPLE ID	ANALYSIS: TPH PREP/ANALYSIS METHOD: 3550/DHS * UNITS: MG/KG	DF
1269-9301	W - 9.5'	7200 +	10
1270-9301	E - 9.0'	575 ++	1

TPH - TOTAL PETROLEUM HYDROCARBONS

DHS - RECOMMENDED PROCEDURE FROM LEAKING UNDERGROUND FUEL TANK FIELD MANUAL, OCTOBER 1989.

+ TOTAL PETROLEUM HYDROCARBON ANALYSIS RESULTING IN HYDROCARBONS OF THE RANGE C4 - C12. SAMPLE QUANTITATED AGAINST GASOLINE.

++ TOTAL PETROLEUM HYDROCARBON ANALYSIS RESULTING IN HYDROCARBONS OF THE RANGE C10-C23. SAMPLE QUANTITATED AGAINST DIESEL.

SAMPLE ANALYZED FOR HYDROCARBON RANGE C4-C23.

* EXTRACTABLES

DF = DILUTION FACTOR. THE DETECTION LIMITS AND ANALYSES RESULTS WERE CORRECTED ACCORDINGLY.

DATE EXTRACTED: JANUARY 28, 1993 - TPH

DATE ANALYZED: JANUARY 28, 1993 - TPH

PETER SHEN
LABORATORY DIRECTOR

PS/jb

QUALITY ASSURANCE LABORATORY

QUALITY CONTROL DATA REPORT

FEBRUARY 3, 1993

WESTERN PUMP, INC.
LOG #1269-9301 THROUGH 1270-9301

DATE EXTRACTED: JANUARY 28, 1993 - TPH

DATE ANALYZED: JANUARY 28, 1993 - TPH

ANALYSES	PREP/ANALYSIS METHOD	LCS % RECOVERY	SPIKE %RECOVERY	DUPLICATE RPD
TPH	3550/DHS EXT	108%	109%	1%

Yvette Liebesman

YVETTE J. LIEBESMAN
QA SPECIALIST

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL STANDARD. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTABLE RANGE IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 80%-120% RECOVERY RANGE.
•SPIKE - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS BASED ON HISTORCCAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 75%-125% RECOVERY RANGE.
•SURROGATES - COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING ON SAMPLE MATRIX AND ANALYSIS METHOD.

MF

County of San Diego

GARY ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
SITE ASSESSMENT AND MITIGATION DIVISION

RICHARD HAAS
ASSISTANT DIRECTOR

October 14, 1998

Willowbrook Country Club
Attn: Mr. Spero Tzathas
11905 Riverside Drive
Lakeside, CA 92040

Dear Mr. Tzathas:

UNDERGROUND STORAGE TANK (UST) CASE # H28485-001
WILLOWBROOK COUNTRY CLUB
11905 RIVERSIDE DRIVE, LAKESIDE, CA 92040

This letter confirms the completion of a site investigation and remedial action for the underground storage tank formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank is greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact Mark Fitzmaurice at (619) 338-2456 if you have questions regarding this matter.

Sincerely,

CHUCK PRYATEL, Chief
Site Assessment and Mitigation Division

CP:MF:kf

Enclosure

cc: Regional Water Quality Control Board
Dave Deaner, SWRCB, UST Cleanup Fund Program

WP/28485NFA.

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

DATE: October 12, 1998 H28485-001

Agency Name: County of San Diego, Environmental Health, SAM	Address: P.O. Box 129261
City/State/ZIP: San Diego, CA 92112-9261	Phone: (619) 338-2222 FAX: (619) 338-2377
Responsible Staff Person: FITZMAURICE	Title: Environmental Health Specialist

II. CASE INFORMATION

Site Facility Name: WILLOWBROOK COUNTRY CLUB

Site Facility Address: 11905 Riverside Drive, Lakeside, CA 92040

RB LUSTIS Case No: N/A	Local Case No: H28485-001	LOP Case No: N/A
URF Filing Date: April 5, 1993	SWEEPS No: N/A	
Responsible Parties:	Address:	Phone Number:
Willowbrook Country Club Attn: Spero Tzathas	11905 Riverside Drive Lakeside, CA 92040	(619) 561-1061

Tank No.	Size in Gal.	Contents	Closed in Place/Removed	Date
1	1,000	Gasoline	Removed	1-26-93

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Release of from underground storage tank system.

Site Characterization complete?	Yes	Date Approved By Oversight Agency: June 8, 1998	
Monitoring Wells Installed?	No	Number: N/A	Proper Screened Interval? N/A
Highest GW Depth Below Ground Surface: 25 feet		Lowest Depth: 25 feet	Flow Direction: Southwest (estimate)

Most Sensitive Current Use:

Groundwater having existing beneficial uses for Municipal/Domestic.

Surface water has potential beneficial use for Municipal/domestic.

Are Drinking Water Wells Affected? No	Aquifer Name: Santee H.S.A. (7.12)
Is Surface Water Affected? No	Nearest SW name: San Diego River

Off-Site Beneficial Use Impacts (addresses/locations): None

Report(s) on file? Yes	Where is Report(s) Filed? County of San Diego, Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	1,000 gallon	Disposal to: Grape Sales 10215 Channel Road Lakeside, CA 92040	1-26-93
Piping	3 feet	Disposal to: Grape Sales 10215 Channel Road Lakeside, CA 92040	1-26-93
Soil	75 cubic yards 50 cubic yards	Backfilled into tank excavation. Used for onsite grading (incorporated into a sodded bank on the edge of a fairway).	4-5-94 8-21-97

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued) DATE: October 12, 1998 H28485-001

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS - - BEFORE AND AFTER CLEANUP

Contaminant	Soil (ppm)		Water (ppb)		Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gasoline)	7,200	<10	<500	<500	MTBE	N/A	N/A	<20	<20
TPH (Diesel)	62	62	<500	<500	Ethylbenzene	<0.05	<0.05	<0.5	<0.5
Toluene	0.057	<0.05	<0.5	<0.5	Xylene	0.19	<0.15	<1.5	<1.5
Benzene	0.17	<0.05	<0.5	<0.5					

Comments:

After the removal of the underground storage tank, 1,215 cubic yards of soil was removed from the tank pit. Soil containing <10 ppm petroleum was used to backfill the excavation, with the remaining 50 cubic yards being incorporated into the first few feet of a sodded bank on the edge of a fairway at this golf course. A groundwater sample collected from a hydropunch on the south side of the former excavation did not contain detectable levels of petroleum contamination.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes

Does corrective action protect public health for current land use? Yes

Case oversight completed based upon the current/future site use as an asphalt covered driveway for a golf course.

Site Management Requirements:

Any contaminated soil excavated as part of subsurface construction work must be managed in accordance with the legal requirements at that time.

Should corrective action be reviewed if land use changes? Yes

Monitoring Wells Decommissioned: N/A	Number Decommissioned: N/A	Number Retained: N/A

List Enforcement Actions Taken: Notice of Corrective Action and Reimbursement Responsibility

List Enforcement Actions Rescinded: None

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Chuck Pryatel	Title: Chief Site Assessment and Mitigation
Signature:	Date: 10-13-98
Hydrogeologist Concurrence: Kevin Heaton KMH	Date: 10-12-98

VI. RWQCB NOTIFICATION

Date Submitted to RB: Soils Only	RB Response: N/A	
RWQCB Staff Name: N/A	Title: N/A	Date: N/A

VII. ADDITIONAL COMMENTS, DATA, ETC.

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.

D.B.

County of San Diego

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222
Fax #: 338-2174

SITE ASSESSMENT AND MITIGATION DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

September 30, 1993

Willowbrook Country Club
Attn: Spero Tzathas
11905 Riverside Drive
Lakeside, CA 92040

Dear Mr. Tzathas:

UNAUTHORIZED RELEASE #T2542/H28485-001
WORKPLAN APPROVAL
WILLOWBROOK COUNTRY CLUB
11905 RIVERSIDE DRIVE
LAKESIDE, CA 92040

This letter has been prepared in accordance with the requirements set forth in Title 23 (State Underground Storage Tank Regulations), Division 3, Amendment to Chapter 16, Article 11, Section 2722. The purpose of this letter is to notify the Responsible Party, Willowbrook Country Club, Mr. Spero Tzathas, of the status of the Workplan received by the San Diego County Site Assessment and Mitigation Division (SAM) on 23 August 1993.

The Workplan dated 19 August 1993, prepared by MAXWELL/S-CUBED DIVISION, consultant, covers two of the following phases of corrective action:

Preliminary Site Assessment	(x)
Soil and Water Investigation	(x)
Corrective Action Plan	( )
Verification Monitoring	( )
or an	
Interim Remedial Action	( )

The Workplan has been:

( ) approved.
( ) disapproved-call the undersigned for further instructions.
(x) approved with the following changes or conditions:

1 - This site has two separate issues of concern relating to potential adverse public health impact: Contaminated Soil and Groundwater.

a - Contaminated Soil: Maxwell/S-Cubed consultants proposal for overexcavation of soil from the former location of the 550 gallon [actually 1000 gallon] Underground Storage

Tank (UST) is approved. SAM recommends, however, that the total extent of soil contamination be first determined before embarking on the proposed soil overexcavation. A method should be chosen that will adequately define the total extent of both the vertical and horizontal petroleum hydrocarbon soil contamination.

b - Groundwater Impact: The soil types within this river flow basin are sands, and the contaminants of record for this site, gasoline and diesel, could potentially migrate vertically downward to groundwater. Groundwater has been observed at approximately 15 to 20 feet below the surrounding ground surface in three former commercial sand excavations located to the south and west of this site.

2 - The Site Assessment/Mitigation Division directs you to investigate potential groundwater impact to this site from this Unauthorized Release. This will involve drilling a minimum of three soil borings, collecting soil samples for laboratory analysis, and developing these into groundwater monitoring wells. The groundwater monitoring wells will be used to establish the actual groundwater gradient [direction of flow], and for the collection of water samples for laboratory analysis to determine the extent of possible groundwater contamination from this release. Prior to beginning the groundwater investigation, please submit an addendum to this workplan providing the location of the proposed monitoring wells. Include with this addendum, a plot plan drawn to scale showing all structures, former UST location and proposed location of the required monitoring wells.

Keep this letter for your records as it may be required for corrective action cost reimbursement under Senate Bill 2004 (California Health and Safety Code, Division 20, Chapter 6.75, Article 6).

The need for further site characterization and mitigation actions will be determined following evaluation of the written report, and consultation with the San Diego Regional Water Quality Control Board.

If you have any questions, please call me at (619) 338-2219.

Sincerely,

BERQUIST

DAVE BERQUIST, Hazardous Materials Specialist
Site Assessment and Mitigation Division

DB:cl

cc: Joe McWalters, RWQCB
Larry Bodenhamer, SA/M
Dave Eminhizer, Maxwell/S-Cubed Division

D. B.

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
[redacted]

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

SITE ASSESSMENT AND MITIGATION DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

OFFICIAL NOTICE

May 5, 1993

Alpha Investments, Inc.
Attn: Spero Tzathas
11905 Riverside Drive
Lakeside, CA 92040

Dear Mr. Tzathas:

RE: UNAUTHORIZED RELEASE #T 2542/H28485-001
WILLOWBROOK COUNTRY CLUB
11905 RIVERSIDE DRIVE
LAKESIDE, CA 92040

We have received and reviewed the initial Unauthorized Release Report (Form No. HSC-05) submitted by Spero Tzathas dated April 5, 1993. This Report conforms to the minimum initial reporting requirements outlined in the California Code of Regulations (CCR) Title 23, Division 3, Chapter 16, Article 5, Section 2652. **Under the same regulation, you are required to submit written update reports to this office every Ninety (90) days. These update reports should briefly summarize recent activities at the site and describe the status of any plans regarding future work. Please submit the first update report by July 23, 1993.**

California law requires that responsible parties investigate, abate, and remedy soil and groundwater contamination resulting from unauthorized releases in accordance with CCR Title 23, Division 3, Chapter 16, Article 5, Sections 2653, 2654, 2655, and Article 11, Sections 2722, 2723, 2724, 2725, and 2726. **Prior to beginning <u>any</u> site investigation or remedial actions, you must submit a work plan to this office which describes all work to be performed and the anticipated date of initiation.**

A site assessment report which details the full vertical and horizontal extent of contamination must be submitted to this office for review. In order to evaluate conditions at this site, the site assessment report must be complete. Your report, and any activities you perform at the site, should address the items in the

enclosed "Site Assessment Report Check List." The San Diego County Environmental Health Services, Site Assessment and Mitigation (SA/M)'s Manual provides guidelines designed to assist those performing environmental investigations and remediation in San Diego County. SA/M Manual guidelines are also used by SA/M staff to evaluate the acceptability of the information you submit to this office. Decisions concerning either the need for additional work or the approval for case closure will be based, in part, on the completeness of the site assessment report.

SA/M and RWQCB staff are available to meet with you and/or your environmental consultant to discuss agency guidelines and requirements for the resolution of this case. Failure to comply with SA/M or RWQCB directives may jeopardize your eligibility for reimbursement of the costs of investigating and remedying this site, under the state's Underground Storage Tank Cleanup Fund (SB2004).

Please address all written submittals to the attention of the undersigned at SA/M and to the RWQCB at 9771 Clairemont Mesa Boulevard, Suite B, San Diego, CA 92124. If you have any questions, please call me at (619) 338-2219.

Sincerely,

BERQUIST

DAVE BERQUIST, Hazardous Materials Specialist
Site Assessment and Mitigation Division

DB:cl

Enclosure: 1) "Site Assessment Report Check List"

cc: Joe McWalters, Regional Water Quality Control Board
L. Bodenhamer, SA/M

WP\H28485

SAN DIEGO REGIONAL BOARD BASIN INFORMATION

Regional Board Staff: J. Weiss

Local Agency Staff : R. Rapista / DRB

Date: 4-9-93

Local Case Number: H28485-001
T-2542

Site Name/Address: 11905 Riverside Dr.
Lakeside 92040

Basin Number: 7.12

Beneficial Use: YES: X NO: _____

Groundwater Beneficial Uses

Municipal: X

Agricultural: X

Industrial: X

Industrial Process Supply: X

Freshwater Replenishment: _____

NOTE: The following adjacent beneficial use areas may be threatened:

Bay/Estuary: _____

Ocean: _____

Inland Surface Water: _____

Adjacent basin designated beneficial use: _____

Adjacent basin number: _____

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
[redacted]

County of San Diego

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

SITE ASSESSMENT AND MITIGATION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

NOTICE OF CORRECTIVE ACTION AND REIMBURSEMENT RESPONSIBILITY

March 31, 1993

Willowbrook Country Club
Attn: Spero Tzathas
11905 Riverside Dr.
Lakeside, CA 92040

Dear Mr. Spero Tzathas:

RE: UNAUTHORIZED RELEASE #T2542/H28485-001
WILLOWBROOK COUNTRY CLUB,
11905 RIVERSIDE DR., LAKESIDE, CA 92040

The County of San Diego Site Assessment and Mitigation Program (SA/M) has been notified of an **Unauthorized Release** of hazardous substances from the underground storage tank(s) (UST) at the location referenced above. SA/M has identified the following party(ies) as being responsible for the implementation of the environmental investigation and cleanup of this Unauthorized Release:

Willowbrook Country Club
Attn: Spero Tzathas
11905 Riverside Dr.
Lakeside, CA 92040

Please be advised that Article 4, Chapter 6.75 of the California Health & Safety Code (CH&SC) requires the tank owner, tank operator, or other responsible parties to take corrective action in response to an Unauthorized Release. Article 4 authorizes SA/M to issue corrective action orders to the responsible parties, as necessary, to ensure the timely investigation and cleanup of release sites. Section 25299.76 of the CH&SC provides that any person who violates any requirement of Article 4 is liable for a civil penalty of not more than $10,000 for each underground storage tank for each day of violation.

Federal and state law require the responsible party(ies) to reimburse the State Water Resources Control Board for local agency costs associated with the oversight of corrective action at the site of an Unauthorized Release. The responsible party is liable for not more than 150% of the total amount of the agency oversight costs. Please take note of the following:

"Whereas the federal Petroleum Leaking Underground Storage Tank Trust Fund provides funding to pay the local agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks; and Whereas the Legislature has authorized funds to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks; and Whereas the direct and indirect costs of overseeing removal or remedial action at the above site are funded, in whole or in part, from the federal Trust Fund; and Whereas the above individual(s) or entity(ies) have been identified as the

party or parties responsible for investigation and cleanup of the above site; YOU ARE HEREBY NOTIFIED that pursuant to Title 42 of the United States Code, Section 6991b(h)(6) and Sections 25297.1 and 25360 of the Health and Safety Code, the above Responsible Party or Parties shall reimburse the State Water Resources Control Board not more than 150 percent of the total amount of site specific oversight costs actually incurred while overseeing the cleanup of the above underground storage tank site, and the above Responsible Party or Parties shall make full payment of such costs within 30 days of receipt of a detailed invoice from the State Water Resources Control Board."

Title 23 of the California Code of Regulations requires the responsible party(ies) to implement **initial corrective action** measures upon the discovery of an Unauthorized Release from a UST system. Enclosed for your information is a listing of initial corrective action measures and applicable notification requirements. Please note that the responsible party(ies) must complete and submit the enclosed UST Unauthorized Release Report (Form No. HSC-05) to SA/M within five (5) working days.

Subsequent corrective action and reporting requirements will be determined upon SA/M evaluation of the UST Unauthorized Release Report and consultation with the Regional Water Quality Control Board and other appropriate regulatory agencies. The responsible party(ies) will be notified of their additional corrective action requirements in writing by SA/M. The satisfactory completion of corrective action at the Unauthorized Release site can only be acknowledged through SA/M and RWQCB issuance of an official Closure Letter to the responsible party(ies).

The Underground Storage Tank (UST) Cleanup Fund, created by the passage of SB 2004 (Keene) on September 26, 1991, provides funding to eligible responsible parties for corrective action and third party liability costs resulting from the Unauthorized Release of petroleum hydrocarbons. For more information on the UST Cleanup Fund, please contact the State Water Resources Control Board at (916) 739-2475.

If you have any questions concerning this Notice, please contact the undersigned at (619) 338-2219, or the Division of Clean Water Programs, State Water Resources Control Board, P.O. Box 944212, Sacramento, CA 94224-2120.

Sincerely,

BERQUIST

DAVID BERQUIST, Hazardous Materials Specialist
Site Assessment and Mitigation

DB:es

Enclosures

cc: Sandra L. Malos, State Water Resources Control Board
RWQCB, Underground Storage Tank Program

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
(619) 236-2237

STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR
(619) 236-7633

DEPARTMENT OF HEALTH SERVICES

1700 PACIFIC HIGHWAY, SAN DIEGO, CALIFORNIA 92101-2417

ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 338-2222

DATE: 2/8/93

MEMORANDUM FOR: California Regional Water Quality Control Board, San Diego Region

FROM: Hazardous Materials Management Division (HMMD)

SUBJECT: **UNAUTHORIZED RELEASE OF HAZARDOUS MATERIAL FROM AN UNDERGROUND STORAGE TANK T#** 2542/H28485-001

Evidence of an unauthorized release of a hazardous material has been noted by HMMD staff at the site described below:

Site Address: 11905 RIVERSIDE DRIVE (Street) | LAKESIDE (City) | 92040 (Zip Code)

Property Owner: ALPHA INVESTMENTS (Name)

11905 RIVERSIDE DRIVE (Street) | LAKESIDE (City) | 92040 (Zip Code)

Telephone 561-1061

Tank Operator: WILLOW BROOK COUNTRY CLUB (Name) | 561-1061 (Telephone)

The following information is provided for your consideration and action in accordance with the authority and responsibilities of the Regional Board.

Suspected Source(s) 1000 GALLON TANK

Amount Released UNKNOWN (Gallons) _____ (Time Period)

Release Detected By:

____ Routine Tank Testing

____ Test of Piping

____ Inventory Audit

____ Monitoring Device/Well

X Evidence of Soil Contamination Detected During Tank Removal

____ Evidence of Leaky Tank Detected During Tank Removal

____ Other

Description of underground tank systems on property (number, type, age, capacity, material stored, evidence of leakage). APPROX. A 1,000 GALLON GASOLINE TANK, STEEL, SINGLE WALL. HEAVILY CORRODED, HOLE FOUND ON WEST BOTTOM END OF TANK, STRONG ODORS NOTED

Date Release Reported to or Detected by HMMD 1/26/93

Contact With Other Agencies _____

Additional Comments:

Please call the HMMD at 338-2222 if you have questions or comments regarding the above.

HMMD Staff RAPISTA

DHS:HM-9010 (10/89)

MO

County of San Diego

DANIEL J. AVERA
DIRECTOR

LARRY T. AKER
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

SITE ASSESSMENT AND MITIGATION DIVISION

OFFICIAL NOTICE

September 11, 1996

Willowbrook Country Club
Attn: Spero Tzathas
11905 Riverside Drive
Lakeside, CA 92040

Dear Mr. Tzathas:

PAST DUE NOTICE
UNAUTHORIZED RELEASE #H28485-001
WILLOWBROOK COUNTRY CLUB, 11905 RIVERSIDE DRIVE, LAKESIDE, CA 92040

A review of the Site Assessment and Mitigation Division (SAM) files indicate that the written update report associated with the site assessment investigation at this site is **PAST DUE.**

The California Code of Regulations, Title 23, Chapter 3, Subchapter 16, Section 2652 (d) states that until clean-up is complete, reports shall be submitted to the local agency every three months or at a more frequent interval if specified.

Within thirty (30) days of receipt of this letter, submit a written update report to SAM, summarizing all site activities and any proposals for further work. Update reports must be submitted until such time as the unauthorized release is resolved.

As a reminder, your lack of response to this notice can jeopardize your eligibility to receive State Underground Storage Tank Clean-Up Fund reimbursement funds.

Please contact Martin Ortega, Hazardous Material Specialist, at (619) 338-2241, if you have any questions regarding this matter.

Sincerely,

MARTIN ORTEGA, Hazardous Materials Specialist
Site Assessment and Mitigation Division

MO:gl

H28485-001 Willowbrook Country Club
11905 Riverside Drive
Lakeside 92040
Basin: 7.12, Municipal Beneficial Use.
Groundwater @ 25' bg.

1-26-93, 1000 gallon UST removed. Piping directly above tank. 7,200 ppm gasoline.

4-1-94, 125 cubic yards of soil removed, 75 of used to backfill the excavation. The remaining 50 cubic yards used to grade property. All confirmation samples collected from within the excavation were <10 ppm gasoline. Only 62 ppm TPH @ 10.5' bg.

9-3-97, report for 1 soil and 1 groundwater sample collected from hydropunch (down-gradient??, between tank and river. "Rapid flow of groundwater into the bore hole." Groundwater flow direction estimated to be same as S.D. River.

5-12-98, tel. con. w/Lisa Eminhizer who was asked:
How long was screened section of hydropunch, and did it intersect water table? *Screened from 22-27' bg.*
Location of nearby groundwater production wells? 3 production wells: *Riverview Water District Well (south of 67) intersection of Woodside Ave & Marilla Drive, 2 Sparkletts Wells*
1,900 ppm gasoline remaining on sidewall (EXC-8)?? or 62 ppm diesel?

5-20-98, tel. con. w/D. Eminhizer who stated that the screened section of hydropunch intersected the water table and was screen *from 22-27' bg.*
The locations of nearby groundwater production wells are: 3 production wells: *Riverview Water District Well (south of 67) intersection of woodside Ave & Marilla Drive, 2 Sparkletts Wells*
Soil sample EXC-8A and EXC-21 were collected from the sidewall 3 feet north of EXC-8, so the 1,900 ppm gasoline sample has been removed in addition to 3 feet of soil to the north. The only contamination remaining on site is 62 ppm diesel.

6-8-98, meeting w/K. Heaton. Determined that case is ready for closure.



PERMIT # W96943
A.P.N. # 379-192-23
EST # H28485

H40

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH

SITE ASSESSMENT AND MITIGATION DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: WILLOWBROOK COUNTY CLUB

SITE ADDRESS: 11905 RIVERSIDE DRIVE, LAKESIDE, CA 92040

PERMIT FOR: 1 HYDROPUNCH BORING

PERMIT APPROVAL: 8/13/97

PERMIT EXPIRES ON: 12/11/97

PERMIT CONDITIONS:

1. All borings must be destroyed in accordance with Department of Water Resources Bulletin 74-81 and 74-90.

2. All wash water must be contained and disposed of properly.

3. Submit complete laboratory data for both soil and groundwater with the well logs.

4. Submit all the information specified in the SAM Manual in:

   Section 6, Page B-8, C., 2.

5. All water and soil that is placed in drums must be labeled and stored as specified in the SAM Manual in:

   Section 1, Page 12, (5).

6. This office must be given 48 hour notice of any drilling activity on this site. Please contact Marisue Crystal at (619) 338-2339.

7. This office must be given advanced notification of drilling cancellation. Please contact Marisue Crystal at (619) 338-2339.

NOTE: **This permit does not constitute approval of a workplan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Workplans are required for all unauthorized release investigations in San Diego County.**

APPROVED BY: Mary Peters DATE: 8/13/97

Notified: 8/14/97 LEFT MSG WITH LISA. MSC

PERMIT APPLICATION
GROUNDWATER
AND
VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

RECEIVED
AUG 4 12 17 PM '97
ENVIRONMENTAL HEALTH SERVICES

OFFICE USE ONLY

PERMIT#: W96943
SAM CASE O/N H28485 MAO
DATE RECEIVED: 8-4-97
FEE PAID: 150. # 2501

A. RESPONSIBLE PARTY Spero Tzathas Phone 619-561-1061
Mailing Address 11905 Riverside Drive, Lakeside, CA 92040

B. SITE ASSESSMENT PROJECT IF APPLICABLE #H 28485-001

C. CONSULTING FIRM EnvirOmega Consultants Contact Person Dave Eminhizer
Registered Professional (RG, RCE, CEG) Peter M. Stang Registration # RG 5219 Phone 619-676-0046
Mailing Address 16732 Palmero Drive City San Diego State CA Zip 92128

D. DRILLING COMPANY West Hazmat Drilling Corp. C57# 554979 Phone (619) 686-5800
Mailing Address 3620 Kurtz St. City San Diego State CA Zip 92110

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☐ Groundwater	
☐ Vadose	
☐ Boring	
☒ Other Hydropunch	1

NUMBER OF WELLS TO BE DESTROYED # NA

MATERIALS TO BE USED

CASING
Type Not Applicable
Gauge
Diameter
Well Screen Size
Filter Pack (Specify)

SEAL
☐ Neat Cement
☐ Cement & Bentonite
☐ Sand-Cement
☐ Bentonite
☒ Other Bentonite slurry

DRILLING METHOD
☒ Auger ☐ Air Rotor
☐ Mud Rotary
☐ Percussion ☐ Other

PROPOSED CONSTRUCTION

Estimated ground water depth 16-18 ft.
Not Applicable
CEMENT SEAL ____ to ____
BENTONITE SEAL ____ to ____
FILTER PACK ____ to ____
PERFORATION ____ to ____

PROPOSED DRILLING DATE 8-14-97

NOTE:

For wells with multiple completion attach a well construction diagram

I agree to comply with the requirements of the current Site Assessment and Mitigation Division Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLERS SIGNATURE — DATE 8/1/97

Within 30 days of completion, I will furnish the Site Assessment and Mitigation Division with a complete and accurate well/boring log. I will certify the design and construction or destruction of the well/borings in accordance with the permit application.

RG/CEG/RCE SIGNATURE — DATE 01 August 97

F. SITE INFORMATION

1. ASSESSORS PARCEL NUMBER 379-192-23
Site Name Willowbrook Country Club
Site Address 11905 Riverside Drive City Lakeside Zip 92040

PROPERTY OWNER Spero Tzathas Phone 619-561-1061
Mailing Address 11905 Riverside Drive City Lakeside State CA Zip 92040

NUMBER OF WELLS 1 TYPE OF WELLS Hydropunch

2. ASSESSORS PARCEL NUMBER
Site Name
Site Address City Zip

PROPERTY OWNER Phone
Mailing Address City State Zip

NUMBER OF WELLS TYPE OF WELLS

3. ASSESSORS PARCEL NUMBER
Site Name
Site Address City Zip

PROPERTY OWNER Phone
Mailing Address City State Zip

NUMBER OF WELLS TYPE OF WELLS

4. ASSESSORS PARCEL NUMBER
Site Name
Site Address City Zip

PROPERTY OWNER Phone
Mailing Address City State Zip

NUMBER OF WELLS TYPE OF WELLS

G. FEES:

FEE CODE	BASE FEE INCLUDES FIRST BORING/WELL	FEE FOR ADDITIONAL
1 Groundwater MW's Vapor Extraction MW's Vadose Wells	$150.00	_____ x $150 = _____
2 Boring/Hydropunch Geoprobes, etc.	$150.00	_____ x $90 = _____
3 Destruction	$150.00	_____ x $140 = _____

PERMIT APPLICATION FOR
GROUND WATER AND VADOSE MONITORING WELLS
EXPLORATORY OR TEST BORINGS

- For well destruction, complete only #1 below.
- Well design, logging and construction must be supervised by a Geologist, Engineering Geologist or Civil Engineer who is registered or certified by the State of California.
- Provide verification of a Well Drilling C-57 License.
- Provide a plot plan giving location of property lines, existing improvements such as structures, underground tanks, underground utilities, underground piping, and the proposed monitoring and/or observation wells.
- Provide a signed copy of the Property Owner Responsibility form for each property listed in Section "F".

1. If wells are to be destroyed, provide a description of method of destruction. No wells to be destroyed

2. What is the proposed purpose of the well/boring? The purpose of the hydropunch is to collect a groundwater sample.

3. What procedures will be used to prevent the well/boring from providing an avenue to contamination during construction?
The hydropunch equipment will be cleaned prior to their use on the site. Water sampling equipment will also be cleaned.

4. What field procedures will be utilized to determine if contamination exists?
The groundwater sample will be tested for the appropriate analyses.

5. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?
The groundwater sample will be sent to the laboratory for the appropriate analyses.

6. What constituents will be monitored and tested (Include EPA Laboratory Test Methods to be used)

The hydropunch groundwater sample. will be analyzed for total petroleum hydrocarbons, benzene, tolene, ethylbenzene, and xylenes (BTEX), and MTBE using the DHS-TPH Method and EPA Method 8020, respectively.

7. How will samples be transported and preserved? The groundwater sample will be chilled in an ice chest and delivered to the laboratory following chain-of-custody procedures.

8. What sampling methods will be used? A hydropunch method will be used to sample the groundwater.

9. Are you proposing a variation from the methods and/or procedures presented in the requirements for the construction of Vadose and Ground Water Monitoring Wells (Current SAM Manual Requirements). If yes, specify these variations.

NO

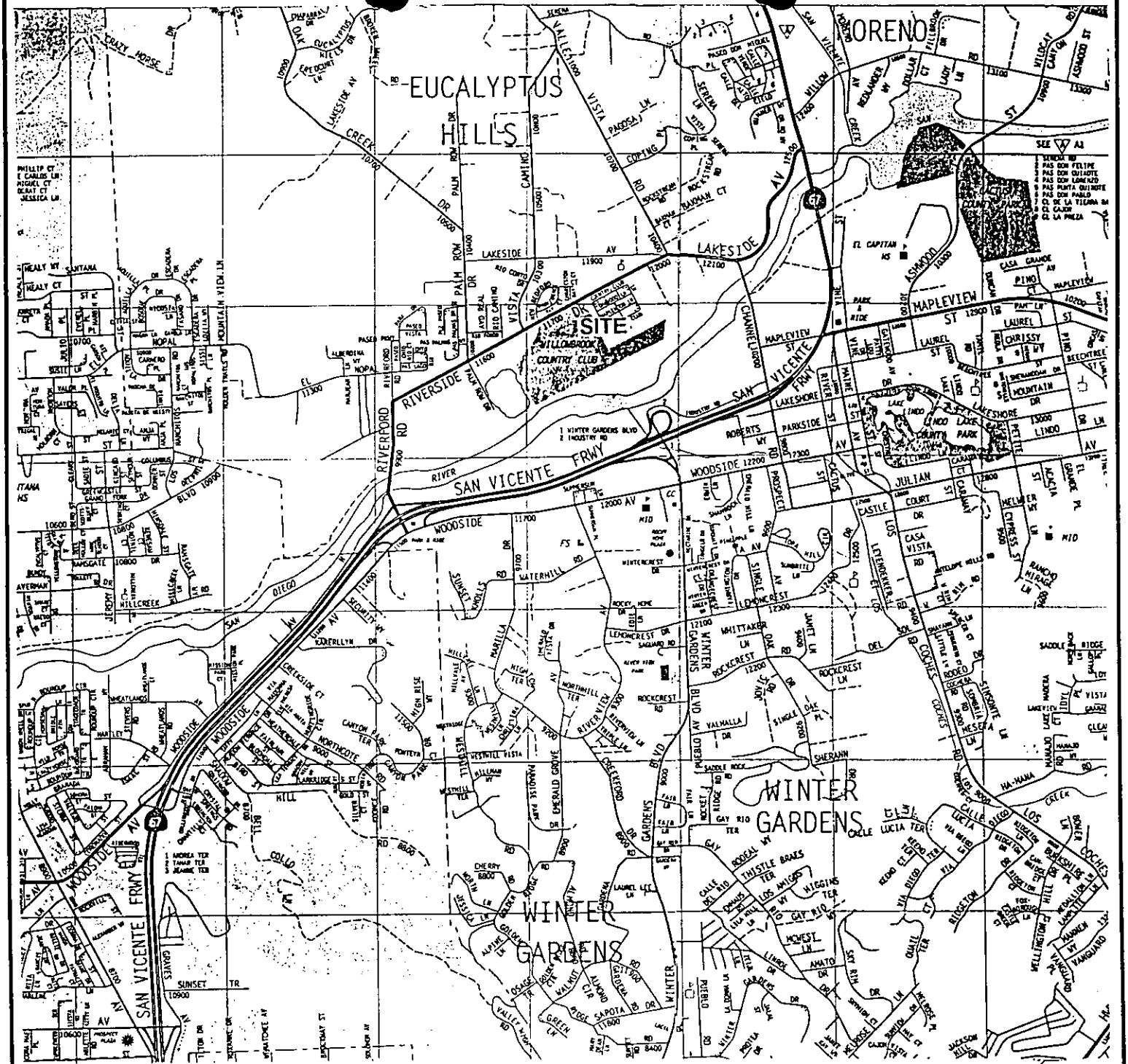
10. What procedures will be used to ensure no contamination will be introduced by the drilling equipment?

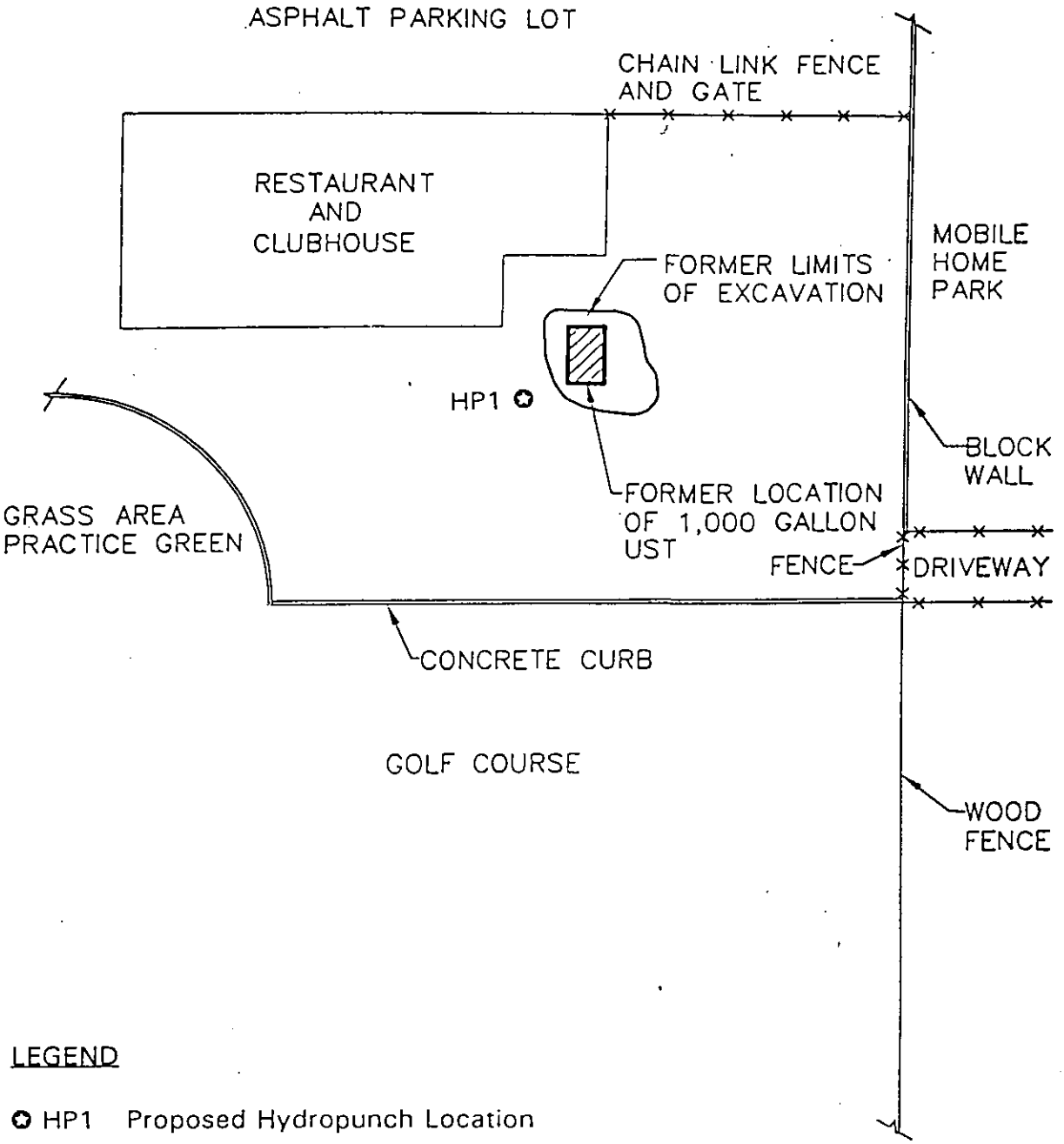
The augers will be steam cleaned prior to use on the site.

11. What methods will be used to clean sampling equipment? Sampling equipment will be cleaned with a trisodium phosphate solution and rinsed with potable water.

12. What cleaning method will be used to clean casing and screen prior to installation?

The use of casing and screen will not be required.


EUCALYPTUS HILLS
MORENO
SITE
WILLOWBROOK COUNTRY CLUB
WINTER GARDENS
WINTER GARDENS
SAN VICENTE FRWY
RIVERSIDE
LAKESIDE
MAPLEVIEW ST
WOODSIDE
RIVERFORD RD
SAN DIEGO
WOODSIDE AV
SAN VICENTE FRWY
SUNSET TR
WINTER GARDENS BLVD
CAMINO
VISTA
PALM
LAKESIDE AV
CREEK
CHANNEL
JULIAN
LOS COCHES
LOS COCHES RD
HA-HANA
CALLE DIEGO
CALLE LUCIA
CALLE DEL RIO
GAY RIO
MAPLEVIEW
LAUREL
CHRISSY
BEECHTREE
MOUNTAIN
LAKESHORE
LINDO
CASA GRANDE
ASHWOOD
EL CAPITAN HS
LAKE LINDO COUNTY PARK
PARK & RIDE
WOODSIDE
WATERHILL
SUNSET KNOLLS
LEMONCREST
WHITTAKER
ROCKCREST
ROCKCREST LN
SINGLE OAK
SINGLE OAK DR
CASTLE
CASTLE COURT
CASA VISTA
LOS CASTILLOS
LEVENDECKER
PROSPECT
CACTUS
ROBERTS
PARKSIDE
LAKESHORE
MELVER
CYPRESS
RANCHO HILLS
RANCHO HILLS LN
MESA
SADDLE RIDGE
SADDLE ROCK
SHERANN
VALHALLA
PIEDRAS
JOAN
JANET LN
DEL
CREEKSIDE CT
CANYON PARK
CANYON PARK TER
NORTHCOTE
NORTHCOTE TER
NORTHHILL TER
RIVERVIEW
RIVERVIEW LN
HIGH RISE
HIGH RISE TER
WESTHILL VISTA
WESTHILL
MARILLA
MARILLA TER
EMERALD GROVE
EMERALD GROVE PARK
CHERRY
CHERRY RIDGE
ALPINE
ALPINE LN
GOLDEN RIDGE
ALMOND
ALMOND CIR
SAPOTA
SAPOTA RD
GREEN
GREEN LN
VALLEY VIEW
VALLEY VIEW RD
OSAGE
OSAGE TR
WALNUT
WALNUT CIR
WINTER
WINTER LN
ROBERT
ROBERT LN
LA DONA LN
LA DONA DR
PROTEA
PROTEA DR
LOMA
LOMA DR
LINDA
LINDA DR
SKY RIM
SKY RIM DR
AMATO
AMATO DR
MOWEST LN
MOWEST
THISTLE BRAES TER
LOS AMIGOS
LOS AMIGOS WY
HIGGINS TER
RIDGETOP
RIDGETOP CT
QUAIL TER
HILLSTON
HILLSTON CT
HILLSTON HILL DR
WELLINGTON CT
MARWICK LN
VANGUARD
VANGUARD CT
LAKEVIEW
LAKEVIEW CT
MESA VISTA
MESA VISTA LN
MANANO RD
MANANO
LA PLAZA
LA VISTANA
PASEO DON FELIPE
PASEO DON QUIXOTE
PASEO DON LORENZO
PASEO PUNTA QUINOTE
PASEO DON PABLO
PASEO DE LA VISTANA
PASEO CALZO
PASEO LA PLAZA
SEE A2
NOPAL
NOPAL MS
MEALY WY
MEALY CT
SANTANA
ITANA MS
PHILLIP CT
E CARLOS LN
RIQUEL CT
DEAN CT
JESSICA LN
OAK
EUCALYPTUS
EUCALYPTUS HILLS DR
EUCALYPTUS HILLS COURT LN
CRAZY HORSE
CRAZY HORSE DR
MOUNTAIN VIEW LN
MOUNTAIN VIEW
ALBERENA
ALBERENA VT
PASEO DEL VISTA
PASEO DEL RIO
PASEO DEL CAMPO
RIO CORTO
RIO CORTO RD
AVD REAL
AVD REAL DR
PALM ROW DR
PALM ROW
VISTA ROW
VISTA ROW DR
CAMINO ROW
CAMINO ROW DR
RIVERFORD ROW
RIVERFORD ROW RD
EL CAPITAN MS
CASA GRANDE AV
PINO
PINO LN
MAPLEVIEW
MAPLEVIEW ST
LAUREL
LAUREL ST
CHRISSY
BEECHTREE
MOUNTAIN
LAKESHORE
LINDO
LINDO LAKE COUNTY PARK
PARK & RIDE
CASA GRANDE
ASHWOOD
ASHWOOD DR
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WOODSIDE -3800
WOODSIDE -4000
WOODSIDE



LEGEND

HP1 Proposed Hydropunch Location

Source: Maxwell Technologies (Formerly S-Cubed) Underground Storage Tank Site Assessment Report

Scale: 1" = 20'

N

EnviroOmega Consultants

SITE PLAN
FIGURE 2

PROJECT NO. EOC-97-044

WILLOWBROOK COUNTRY CLUB
11905 Riverside Drive
Lakeside, California

MO

County of San Diego

DANIEL J. AVERA
DIRECTOR

LARRY T. AKER
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

SITE ASSESSMENT AND MITIGATION DIVISION

July 21, 1997

Willowbrook Country Club
Attn: Spero Tzathas
11905 Riverside Drive
Lakeside, CA 92040

Dear Mr. Tzathas:

UNAUTHORIZED RELEASE #H28485-001
WORKPLAN APPROVAL
WILLOWBROOK COUNTRY CLUB, 11905 RIVERSIDE DRIVE, LAKESIDE, CA

This letter has been prepared in accordance with the requirements set forth in Title 23 (State Underground Storage Tank Regulations), Division 3, Amendment to Chapter 16, Article 11, Section 2722. The purpose of this letter is to notify the Responsible Party of the status of the Workplan received by the San Diego County Site Assessment and Mitigation Division (SAM) on July 11, 1997.

The Workplan, dated July 11, 1997, and prepared by EnvirOmega Consultants covers one of the following phases of corrective action:

Preliminary Site Assessment	( )
Soil and Water Investigation	(X)
Corrective Action Plan	( )
Verification Monitoring	( )
Interim Remedial Action	( )

The Workplan proposing a hydropunch to determine if groundwater has been impacted has been:

( ) approved.
( ) disapproved-call the undersigned for further instructions.
(X) approved with the following changes or conditions:

1. This work plan is valid for six months.

2. All assessment activities are to be conducted in accordance with the 1996 SAM Manual, the work plan, and work plan approval letter. A copy of the 1996 SAM Manual can be acquired by contacting Chuck Pryatel at (619) 338-2449.

3. Investigation derives wastes need to be properly labeled and stored in a secured areas with limited access.

4. The final report must contain cross sectional drawings illustrating all samples locations and analytical results.

5. If the sample from the hydropunch boring detects any level of fuel contaminants in the groundwater monitoring well must be installed to investigate the impact to groundwater.

6. Please notify this office at least 72 hours prior to the initiation of field activities.

7. Document final deposition of the stockpiled soil. The RWQCB must concur with your option to disposed of the soil.

Keep this letter for your records as it may be required for corrective action cost reimbursement under Senate Bill 2004 (California Health and Safety Code, Division 20, Chapter 6.75, Article 6).

The need for further site characterization and mitigation actions will be determined following evaluation of the written report and consultation with the San Diego Regional Water Quality Control Board.

If you have any questions please call me at (619) 338-2241.

Sincerely,

MARTIN ORTEGA, Hazardous Materials Specialist II
Site Assessment and Mitigation Division

MO:ac

cc: David Eminhizer, EnvirOmega Consultants

WP\MAXWELL.MAO

MO

County of San Diego

DANIEL J. AVERA
DIRECTOR

LARRY T. AKER
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

SITE ASSESSMENT AND MITIGATION DIVISION

June 3, 1997

Willowbrook Country Club
Attn: Spero Tzathas
11905 Riverside Drive
Lakeside, CA 92040

Dear Mr. Tzathas:

UNAUTHORIZED RELEASE OF PETROLEUM PRODUCT FROM UNDERGROUND STORAGE TANKS AT WILLOWBROOK COUNTRY CLUB, 11905 RIVERSIDE DRIVE, LAKESIDE, CA 92040
CASE #H28485-001

The San Diego County Department of Environmental Health (DEH) Site Assessment and Mitigation Division and the San Diego Regional Water Quality Control Board (RWQCB) have reviewed the Unauthorized Release Report (Form No. HSC-05) submitted by Maxwell S-Cubed Division and dated August 19, 1993. This report conforms to the initial reporting requirements outlined in Chapter 6.7 of the California Health and Safety Code and Title 23, Division 3, Chapter 16 of the California Code of Regulations (CCR).

California law states that contamination resulting from an unauthorized release (leak) of a petroleum product may pose a threat to public health and the environment. The law requires responsible parties (persons responsible) to take corrective actions, including investigation and remediation (clean-up) of soil and groundwater contamination caused by an unauthorized release. California regulations require that workplans for any site investigation or remediation activities be submitted to and approved by DEH prior to implementation. All work should be performed in accordance with the guidelines presented in the most recent copy of DEH's Site Assessment and Mitigation Manual. **Please submit a workplan, describing your proposed activities to investigate the above-referenced unauthorized release, by June 28, 1997.**

The investigation and the remediation of an unauthorized release are usually performed in separate phases. Much of the work must be performed under the direction of a registered professional civil

engineer or geologist and, therefore, responsible parties generally obtain the services of a qualified environmental consultant. Ultimately, you are required to submit a written report, signed by a registered professional, which addresses all the items on the enclosed "Site Assessment Report Checklist."

We remind you that if you intend to seek reimbursement for your investigation and remediation costs from the State Water Resources Control Board's (SWRCB) Underground Storage Tank Cleanup Fund, you must obtain a minimum of three bids for the proposed work. Additionally, failure to comply with DEH or RWQCB directives may jeopardize your eligibility for the reimbursement from the Underground Storage Tank Cleanup Fund.

Please be advised that the California Health and Safety Code authorizes DEH to issue notices to ensure the timely investigation and remediation of unauthorized release sites. These notices are called corrective action orders, and put responsible parties at risk of further legal action and monetary fines.

Copies of the workplan requested above, and all future submittals, should be sent to DEH. Send correspondence to my attention at the address appearing on the letterhead above.

DEH and RWQCB staff are available to meet with you and/or your environmental consultant to discuss agency guidelines and requirements. Please call me at (619) 338-2241 if you have any questions.

Sincerely,

MARTIN ORTEGA, Hazardous Materials Specialist II
Site Assessment and Mitigation Division

MO:ac

cc: Maxwell S-Cubed Division

WP/H02542.MAO

MAXWELL
S-CUBED Division

SORRENTO VALLEY OFFICE
3398 Carmel Mountain Road, San Diego, CA 92121-1095
P.O. Box 1620, La Jolla, CA 92038-1620

RECEIVED
AUG 23 4 09 PM '93
ENVIRONMENTAL
HEALTH SERVICES

August 19, 1993

County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Program
1255 Imperial Avenue
San Diego, CA 92101

Attention: Mr. Dave Berquist

Subject: Workplan for Site Assessment and Mitigation
of Potential Environmental Impacts
Willowbrook Country Club
11905 Riverside Drive
Lakeside, CA 92040
Unauthorized Release T2542/H28485
S-Cubed Project No. 40270-22

Dear Mr. Berquist

In response to the request of Mr. Spero Tzathas, Maxwell Laboratories Inc., S-Cubed Division (S-Cubed) has prepared this workplan for the performance of environmental assessment/mitigation services relating to the Unauthorized Release (UAR) reported for the Willowbrook Country Club located at 11905 Riverside Drive, in Lakeside, California. The apparent source of the release was from an underground storage tank (UST) formerly located on the site. The approximate location of the site is presented on the vicinity map, Figure No. 1.

This workplan presented summarizes S-Cubed's understanding of the circumstances associated with the reported UAR of petroleum hydrocarbons at the site and proposes a scope of work to attempt to assess and mitigate this impact.

Mr. Tzathas intends, through services provided by an environmental consultant, to assess, mitigate, and obtain a regulatory closure of the reported UAR of petroleum hydrocarbons to the soil and groundwater, if encountered, through the performance of the environmental engineering services detailed below. Following the submission of this workplan to the regulatory agencies for

their review, comment, and approval, Mr. Tzathas plans to obtain at least three bids for the performance of the services and proceed with the assessment and mitigation activities at the earliest possible opportunity.

BACKGROUND SUMMARY AND TECHNICAL APPROACH

The subject site is located at 11905 Riverside Drive in Lakeside, California. According to information provided by Mr. Tzathas, Western Pump Inc., the tank removal contractor, removed one 550 gallon UST from the site on January 26, 1993. Mr. Robert Rapista, a specialist with the San Diego County Department of Health Services was present during the UST removal. A review of the "Underground Tank Removal/Closure Report" prepared by Mr. Rapista indicated that "a one inch diameter hole was observed on the bottom of the western portion of the tank". The report also noted that "strong gasoline odors" were present. Additional information contained in the report indicated that the manager of the Willowbrook Country Club stated that the tank had been removed from service on January 1, 1993.

Two soil samples were collected by the tank removal contractor and submitted to Quality Assurance Laboratory of San Diego for analysis. A review of a copy of the preliminary laboratory data indicated that the soil samples contained Total Petroleum Hydrocarbons (TPH) concentrations of 7,200 milligrams/kilogram (mg/kg) and 575 mg/kg quantified as gasoline and diesel fuel, respectively. In response to the results of the laboratory testing, a UAR was reported for the site and the release was assigned UAR Case No. T2542/H28485.

TECHNICAL APPROACH

Assessment of potential hydrocarbon impacts to soil at the site will require an intrusion into the subsurface through excavation of soil, and collection and analysis of soil samples. The pursuit of regulatory closure of the reported UAR will require overexcavation of soil from areas adjacent to the former location of the 550 gallon UST and potentially below the groundwater, should groundwater be encountered.

SCOPE OF SERVICES

The following description of the proposed scope of services has been prepared for the San Diego County Department of Health Services, Environmental Health Services Site Assessment and Mitigation Program (SAMP) and the San Diego office of the Regional Water Quality Control Board. It has been prepared in accordance with Article 11 "Underground Storage Tank Corrective

Action Requirements" of Title 23 of the California Code of Regulations, for the purpose of pursuing regulatory closure of the UAR reported for the subject site, and for the client to solicit bids for the services described.

Task I - Pre-field Activities. These activities will be performed to prepare for the completion of the required field activities.

- Review this proposed workplan with the appropriate representatives of the Department of Health Services (DHS) and the San Diego Regional Water Quality Control Board (RWQCB) prior to the commencement of field activities. This workplan includes a proposed scope of services with a 'Community Health and Safety Plan" provided as Attachment 'A". In accordance with Article 11 "Underground Storage Tank Corrective Action Requirements" of Title 23 of the California Code of Regulations, workplans must be submitted to and approved by a representative of the DHS prior to the commencement of any field activities. This requirement became effective on April 1, 1992. Note that "Interim Remedial Actions", as defined by Article 11, do not require approval of workplans by regulatory representatives prior to the initiation of field activities.

- Prepare a site-specific Health and Safety Plan that will identify potential health and safety hazards anticipated during the performance of the field activities. The plan will be prepared prior to the commencement of field activities and will be reviewed by all field personnel.

- Notify Underground Service Alert as required by law and obtain a "Ticket Number" at least 48 hours prior to commencing with field activities.

- Notify the appropriate regulatory representative of the intended times to perform the field activities.

Task II - Excavation and Soil Sampling Activities. Overexcavation of soil from the former location of the 550-gallon UST will be performed under this task. In an effort to accomplish closure of the UAR reported for the site, cleanup of soil and groundwater impacted with petroleum hydrocarbons at concentrations higher than the cleanup levels established for the site by

regulatory agencies must be completed and documented to the satisfaction of the SAMP specialists. The site has been designated as having existing or potential beneficial uses for groundwater. Under these circumstances, regulatory agencies have generally established a cleanup level for soil of 100 mg/kg for total petroleum hydrocarbons. To accomplish these goals, a contractor will proceed with the removal of hydrocarbon impacted soil from the perimeter of the excavation. Confirmation soil samples will be obtained from the excavation sidewalls and from the bottom of the excavation where physically possible. The activities detailed in Task II are designed to accomplish the assessment/mitigation goals.

- The Excavation Contractor will excavate soil from the former UST location in areas identified by the environmental consultants as suspected of possessing TPH concentrations in excess of the cleanup level established for the site by the regulatory agencies. Soil samples will be collected from the excavation to attempt to obtain indicators of the presence of petroleum hydrocarbons. In addition, vapor headspace surveys will be performed on the soil samples and an OVA will be utilized to attempt to obtain indicators of the presence of petroleum hydrocarbons. Removal of soil from the bottom and sidewalls of the excavation will proceed until representative soil samples collected from these areas, and analyzed for TPH, indicate that the cleanup level (less than 100 mg/kg) has been attained. The spacing of the samples will be approximately four to six feet vertically and horizontally, depending on the soil conditions encountered at the site. A mobile laboratory will be used on site to help guide in the completion of the excavation activities.

  Since it is assumed that the site is located in a beneficial groundwater use area, 100 mg/kg of total petroleum hydrocarbons is assumed to be the cleanup level that will be applied to the soil at the site by the appropriate regulatory agencies.

- Analyze soil samples. Soil samples obtained throughout the performance of the field activities will be subjected to analysis by an on-site California Department of Health Services certified mobile laboratory. The results of the laboratory analysis will be used to guide additional excavation activities and provide analytical confirmation of the possible extent of hydrocarbon impact to the soil. Based on guidelines provided in the SAMP 1993 Site Assessment and Mitigation (SA/M) manual, the environmental consultant will analyze for TPH by the DHS TPH Method; benzene, toluene, xylene, and ethylbenzene (BTXE) by EPA Method 8020; and organic lead by the DHS Method. Based on SAMP protocol and for the purpose of this workplan, S-Cubed assumes that if groundwater is encountered

during the performance of the overexcavation activities, one soil sample will be obtained from the capillary zone and analyzed for TPH (DHS Method), BTXE (EPA Method 8020), and organic lead (DHS Method). The collection and analysis of this soil sample may eliminate the need for additional assessment of the groundwater at the site. Any need to install groundwater monitoring wells and sample the groundwater will be determined following completion of the overexcavation and confirmation soil sampling activities.

- Quality assurance/control procedures will be followed during the excavation and soil sampling activities. Soil samples will be placed in laboratory prepared containers and transported to an on site mobile laboratory for analytical testing. Some of the analytical testing will be performed by the main laboratory facility as mobile laboratories are equipped to perform a limited variety of analytical tests. Chain-of-custody documentation will be provided for the soil samples.

- Guide the segregation of soil removed during the excavation activities. The soil will be segregated according to origin and by estimates of TPH concentrations. The soil will be stockpiled on-site by placing it on, and covering it with, Visqueen in accordance with regulatory protocol. The environmental consultant will statistically characterize the soil stockpile according to DHS protocol and assist the client with disposition.

- Provide health and safety monitoring during the excavation activities.

- The excavation contractor will fill the excavation with stockpiled soil, if appropriate, and clean imported soil as needed, and replace the asphalt at the ground surface.

Task III - Report Preparation. Preparation of a report detailing the results of the field activities and consultation with representatives of regulatory agencies will be provided as detailed in this task.

- Prepare a report summarizing the results of the field activities and provide recommendations for additional environmental services, if required. The report will follow the guidelines presented in the 1993 SA/M manual and will conform to the regulatory requirements for assessing UARs and obtaining site closures.

- Provide consultation with the client and representatives of the regulatory agencies following completion of the field activities. The purpose of the consultation will be to present the results obtained during the performance of the field activities.

Following regulatory approval of this workplan, Mr. Tzathas intends to proceed with the excavation activities during the month of September 1993. The consultant will begin to provided the services indicated above upon regulatory approval of this workplan. Based upon the above-referenced Scope of Services, it is anticipated that the services described in this workplan can be completed within four to six weeks from the start of the field activities.

If you have any questions, or we may be of further service, please contact the undersigned at (619) 453-0060.

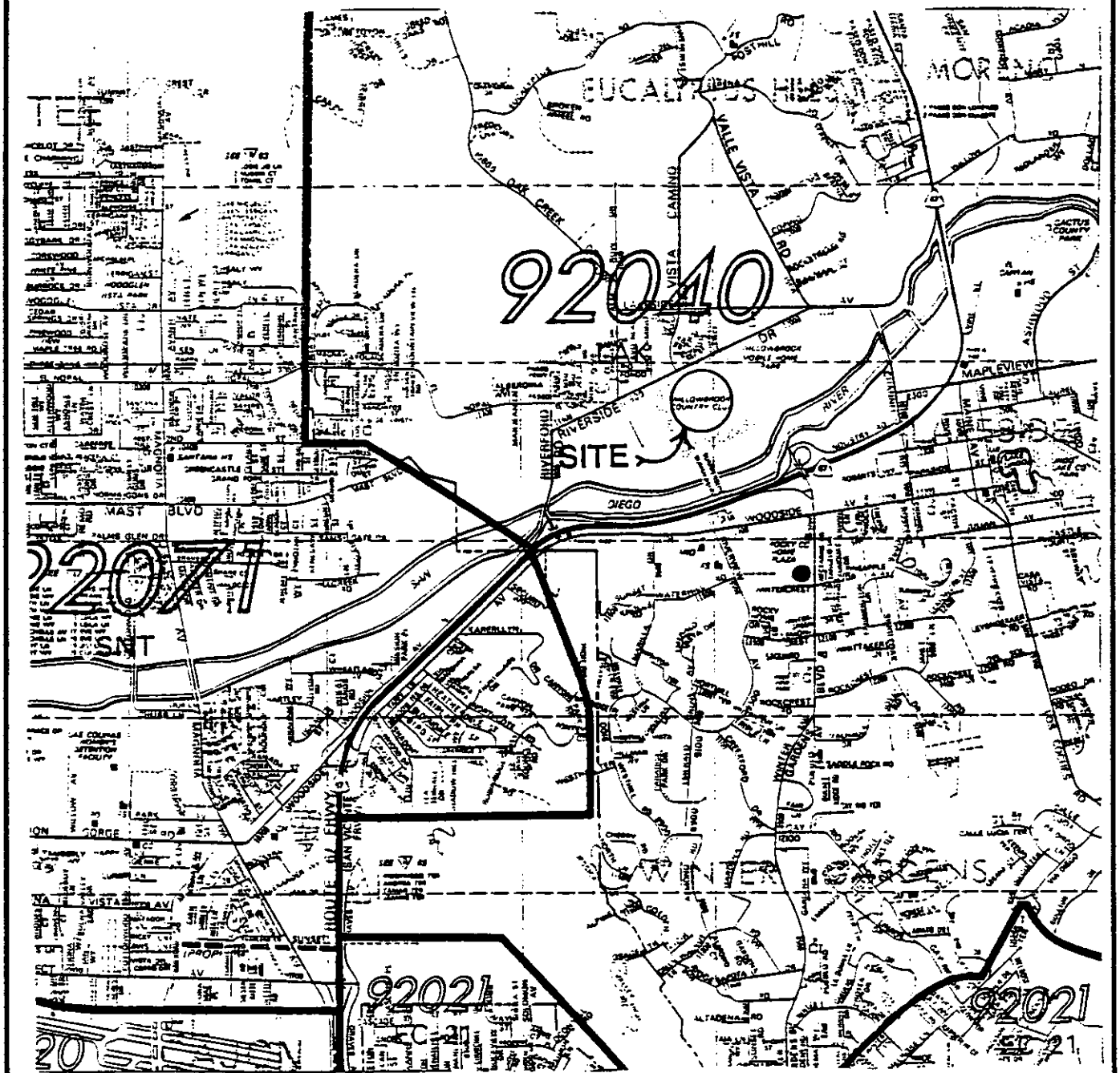
Sincerely,

David A. Eminhizer
Project Environmental Scientist

Lisa Stella
Environmental Scientist

Addressee (1 copy)
Corey Walsh, RWQCB (1 copy)
Spero Tzathas, Willowbrook Country Club (1 copy)

Willowbrook Country Club
Vicinity Map

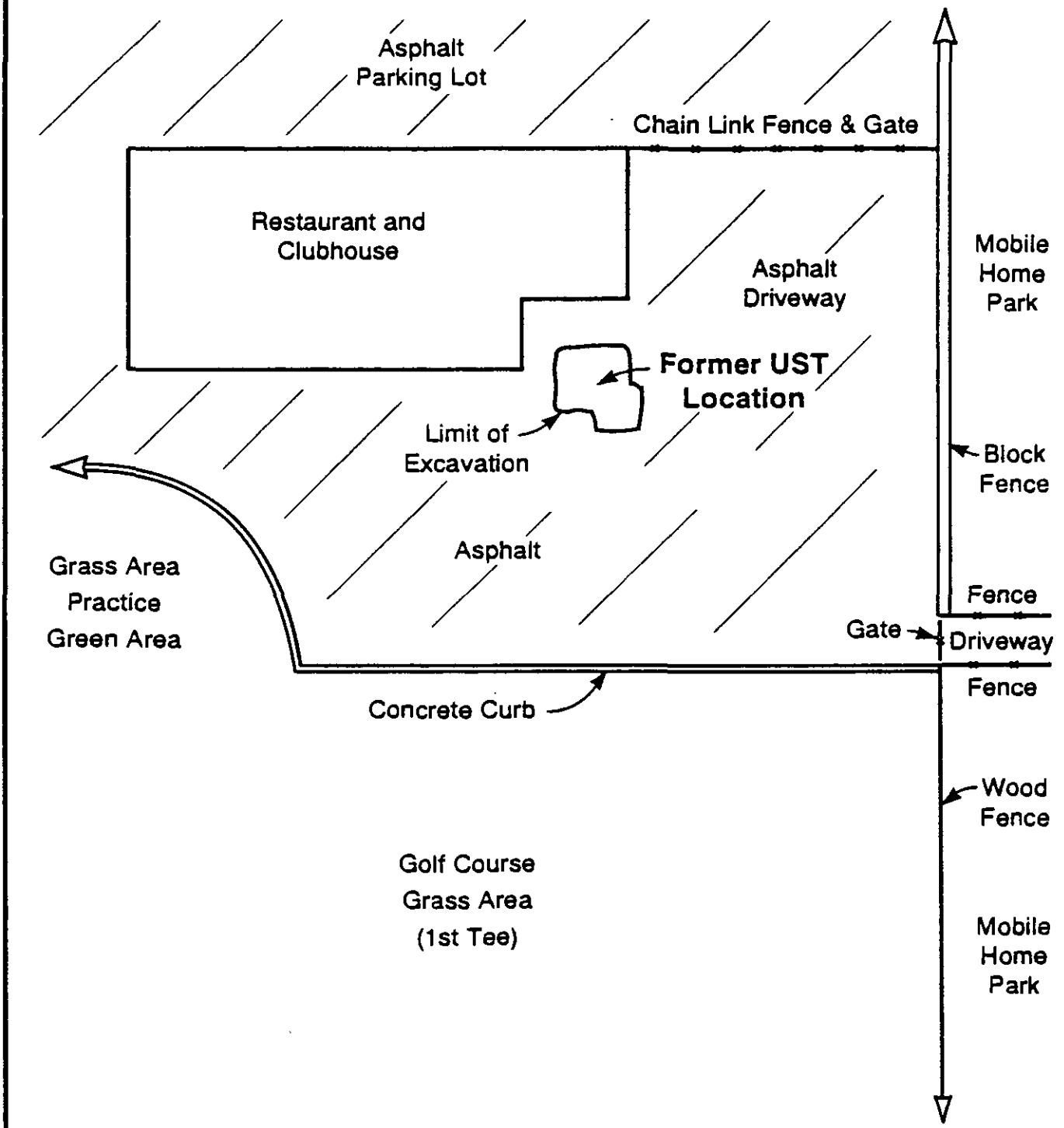


REF: 1993 San Diego County Thomas Brothers Guide Page 48

NO SCALE

MAXWELL S-CUBED Division	PROJECT NO. 40270-22	FIGURE NO. 1
	ENG./GEO. LSS	DATE AUGUST 1993

Willowbrook Country Club
Site Plan



Scale: 1" = 20'

MAXWELL S-CUBED Division	PROJECT NO. 40270-22	FIGURE NO. 2
	ENG./GEO. LSS	DATE AUGUST 1993

COMMUNITY HEALTH AND SAFETY PLAN
FOR
WILLOWBROOK COUNTRY CLUB
LAKESIDE, CALIFORNIA

Prepared by

S-Cubed Division of Maxwell Laboratories, Inc.
3398 Carmel Mountain Road
San Diego, CA 92121-1095

August 1993

WILLOWBROOK COUNTRY CLUB

EMERGENCY NOTIFICATION REFERENCE

Emergency Notifications

Emergency Response - Fire/Police/Ambulance **911**

Hospital - Grossmont Hospital **589-4401**

Address: 5555 Grossmont Center Drive, La Mesa, California

Directions: East on Riverside Drive to Highway 67 West (Hwy 67), Hwy 67 to Interstate 8 (I-8) West, I-8 to Grossmont Center Drive, straight to hospital which is on right side).

Poison Control Center **543-6000**
1-800-876-4766

County of San Diego Dept. of Health Services
Site Assessment and Mitigation Program (SAMP) **338-2222**
Dave Berquist, Site Specialist **338-2219**

Client - Willowbrook County Club
Attn: Mr. Spero Tzathas **561-1061**

Operations - S-Cubed Division of Maxwell Laboratories
Consultant's Project Manager Project manager's number

Standard Procedure for Reporting Emergencies

Provide the following information when calling for assistance in an emergency situation:

1. Name, phone number and location of person making call.
2. Number of person(s) exposed or injured.
3. Nature of emergency.
4. Actions already taken.
5. Remain on the phone unless instructed otherwise.

INTRODUCTION

This Community Health and Safety Plan (*H&S Plan*) has been developed specifically for the underground storage tank (UST) mitigation activities to be performed at Willowbrook Country Club in Lakeside, California. It addresses potential public health concerns and provides guidelines to reduce the potential for exposures and/or injuries to the surrounding public from the activities to be performed at the subject site. The provisions in this plan are based upon information contained within documents provided to MAXWELL, S-CUBED DIVISION (S-CUBED) by representatives of Willowbrook Country Club relating to the proposed activities.

This *H&S Plan* is designed to be specific with regard to the proposed on-site activities and the potential for encounters with hazardous materials and hazardous situations. However, due to potential variations of the anticipated conditions at the site, it should be noted that unforeseen situations could arise during the performance of the environmental engineering services that would necessitate a deviation from this *H&S Plan*. Thus, provisions have been made to allow modifications to the *H&S Plan* when approved by the Consultant's Project Manager. The date depicted in the top left-hand corner of this Plan indicates the date of the latest written modification to this Plan.

This *H&S Plan* describes project policies and procedures as they pertain to public health and safety. The purpose of the *H&S Plan* is to reduce the potential for injuries and exposures to the public through the implementation of these procedures.

SITE LOCATION

The site is a country club and is located at 11905 Riverside Drive in Lakeside, California. A Site Plan is depicted on Figure 1.

POTENTIAL ENVIRONMENTAL EFFECTS

Potential chemical, physical, and operational hazards identified by S-CUBED and described in this document are not anticipated to cause an unsafe or unhealthy environment for entities exposed to the proposed activities. For the purposes of this document entities are defined as individuals, businesses, and potential sensitive receptors including native habitat.

Should conditions be encountered that require protective measures other than those outlined for this project, onsite activities will be suspended or modified until the appropriate control methods can be implemented.

LIMITED PUBLIC NOTIFICATION

The limited public notification program will consist of informing the affected entities, as identified by representatives of the Consultant and the client, of the dates and nature of the proposed activities. A copy of the emergency notification reference list will also be provided to those entities contacted.

OVERVIEW OF POTENTIAL HAZARDS

Possible exposure to gasoline vapors is a primary public concern during the proposed excavation and sampling operations. Although these vapors can enter the unprotected body through inhalation, skin absorption, and/or eye contact, S-CUBED has assessed that inhalation is the primary exposure route of concern.

Symptoms of an over-exposure to gasoline vapors usually occur after a lengthy exposure. The concentrations required to produce the symptoms of an over-exposure generally depend upon the composition of the gasoline, the duration of each exposure and/or number of exposures, and the vapor concentration.

A chemical hazard evaluation for gasoline vapors is presented below.

CHEMICAL HAZARD ANALYSIS

Compound	(TLV-TWA)[1] ppm	(TLV-STEL)[2] ppm	Carcinogen?
Gasoline	300	500	Yes[3]
Diesel Fuel(Toxic equivalent as gasoline)	300	500	No (suspect)
Organic Lead	0.1 (mg/m^3)	N/A	No (conflicting tetraethyl lead information)

[1](TLV-TWA) - Threshold Limit Value/Time Weighted Average (8 hrs/40 hrs)
[2](TLV-STEL) - Threshold Limit Value/Short Term Exposure Limit (15 min/1 hr)
[3]May contain a harmful concentration of Benzene, a listed carcinogen.

Routes of Exposure - Inhalation, skin absorption, skin and/or eye contact.

Symptoms - Symptoms of over-exposure may include but are not limited to eye, nose, and respiratory system irritation, giddiness, headache, nausea, staggered gait (walking style),

fatigue, anorexia (loss of appetite), lassitude (weakness exhaustion), dermatitis (inflammation of the skin), bone marrow depression (blood cell production depression), abdominal pain.

In an effort to control potential over-exposures to these vapors, special monitoring procedures have been developed and are outlined below. In addition, "Proposition 65" warning placards shall be posted at each entrance to the property and along the borders of each adjoining property.

Other hazards that could develop during the field operations include explosion, fire, noise and operational hazards. Explosions and fires may arise spontaneously. However, more commonly they result from site activities such as introducing an ignition source (e.g., a spark from equipment) to an explosive or flammable environment. The potential for the presence of explosive vapors within the excavation on-site requires special defense and monitoring considerations.

Fire protection shall be provided by at least a 20 pound ABC-type portable fire extinguisher readily available to trained personnel on-site and located within 10 feet of spark producing operations. Personnel shall also be familiar with the procedures for summoning emergency assistance from the fire department. Smoking, open flames, or other ignition sources will not be permitted within 25 feet of the work area.

Noise hazards are often created around large equipment (e.g., back-hoes) that generate excessive noise. The effects of noise can include: personnel being startled, annoyed, or distracted; physical damage to the ear, pain, and temporary or permanent hearing loss; communication interference that may cause increased potential hazards due to the inability to warn of danger and proper safety precautions to be taken. Despite the identification of these potential hazards, it is not anticipated that noise levels will exceed existing safety standards.

The operational safety hazards that could exist on the site include being hit by equipment, falling objects, falling in holes or ditches, and slippery surfaces. Heavy power equipment shall be operated by experienced and certified (where applicable) operators and shall be located and operated in a safe manner. When heavy equipment is moved on or off the site, a spotter shall assist the driver in watching for an locating above-ground obstacles, pedestrian traffic, vehicular traffic, and other hazards.

All excavations shall be barricaded and all excavation activities shall be performed in accordance with OSHA Standards for "excavations" as summarized in 29 CFR, Part 1926, Subpart P.

VISITOR SAFETY BRIEFING

The following precautionary measures shall be conveyed to visitors prior to allowing entry into the work area as defined latter in this document:

- Contact the Site Manager or designated representative for site access. Realize that access may be postponed due to on-site operations.
- Wear a hard hat, safety glasses, and shoes suitable for the terrain on-site.
- Obey instructions by on-site personnel.
- Limit access to an absolute minimum area. No "site seeing".

Visitors to the site during the execution of the field activities may be required to read and acknowledge understanding with the provisions of the Consultant's Site Health and Safety Plan. In addition, visitors may be expected to comply with relevant OSHA requirements such as medical monitoring, training, and respiratory protection. These visitors will also be required to provide their own personal protective equipment. In the event that a visitor does not adhere to the provisions of this *H&S Plan*, he/she will be requested to leave the site. Such non-conformance incidents will be recorded by the Site Manager.

AMBIENT MONITORING

Air monitoring will be performed during excavation activities utilizing a field operated organic vapor analyzer (OVA)-flame ionization detector (FID) and/or photoionization detector (PID). The OVA is used in assessing appropriate health and safety protection levels within the work zone and off-site migration of hazardous vapors from the site. "Background" levels of volatile organics in air shall be monitored with the OVA in areas away from the influence of possible vapor releases from the excavation activities. The monitoring shall be performed during those activities on-site that initiate the aggressive volatilization of the gasoline within the soils (e.g., excavation of spoils possessing high concentrations of gasoline). Regardless of the on-site activity though, monitoring data should be obtained along the site perimeter at least four times per day.

Consistent reading exceeding 25 parts per million (ppm) above background (nuisance factor) on the OVA at the perimeter of the site shall initiate suspension or modification of operations

until the appropriate control methods can be implemented by the Site Manager. The suspension of the excavation activities typically suppress the volatilization activity. If corrective action cannot be taken, field activities must be terminated until an alternative mitigation method can be employed.

An explosimeter will also be used to determine the presence of explosive vapors emanating from the excavation. The explosimeter measures vapor accumulations in terms of percent of the lower explosive limit (LEL). Instrument readings in excess of 25 percent (25%0 of the LEL will constitute a site condition that requires evacuation and re-evaluation. In this situation, work shall be stopped, equipment turned off, and the area vacated.

The Site Manager shall be responsible for determining whether additional exposure monitoring/sampling is needed to supplement the equipment and methods described above. The Site Manager shall also monitor that the instruments described above are operated and interpreted only by persons who have had prior training and experience in their operation, calibration and care, and who understand their limitations. He shall also monitor that the instruments are being properly calibrated, and that the calibration and proper operation of the instruments are checked and documented periodically.

The OVA shall be calibrated both before and after field operations or as deemed necessary during field operations. The instruments will be calibrated directly to the type calibration gas used by the equipment manufacturer. The calibration gas and the calibration readings (in ppm equivalent) shall be recorded in the field log book.

It should be noted that OVA - FID hydrogen flame can extinguish in low oxygen environments. In addition, high humidity environments can cause an OVA - PID instrument to indicate lower organic vapor concentrations than actually exist.

SITE OPERATING PROCEDURES

Procedures for the conduct of site visitors during the Willowbrook Country Club facility have been established to reduce the possibility of injury resulting from exposures to the hazards of concern. These procedures require the cooperation of all on-site personnel and visitors during the project and will be strictly enforced by the Site Manager.

No one shall be allowed to enter the site without the required authorization from either Willowbrook Country Club or the Consultant. On-site personnel and visitors will also be required to check in with the Site Manager when entering the site and check out when leaving the site.

Only authorized visitors will be allowed to access to the restricted area. Each visitor will be required to don whatever protective equipment is determined necessary by the Site Manager for use during the visit (i.e., hard hat, safety glasses and safety shoes suitable for the site) and shall be escorted by either the Project Manager or the Site Manager while on the site.

The work area is designated as a "buddy system" area. Visitors should not be allowed in this area unless deemed necessary by the Site Manager. The work area is defined as the area where the potential for contact with hazardous materials could occur. Field activities performed in the work area will include drilling, excavating and sampling operations. A work area boundary will be established at a distance of 25 feet from the activities involving the potential for over-exposure to potentially impacted materials. Personnel within the work area will be expected to follow protective measures as prescribed by the *H&S Plan.*

EMERGENCY RESPONSE/PLANNING

Prior to beginning field activities, the Project Manager and the Site Manager shall plan emergency procedures. Initial planning includes establishing an alarm system (e.g., horn) and the best means for evacuation from work areas in the event of a catastrophic event (e.g., explosion, fire, etc.). On-site personnel shall also be informed of the location of the telephones and other communication devices located on-site.

Situations warranting an immediate evacuation of the site would include:

- An explosion or fire.
- An alarm triggered by the explosimeter used on-site.
- An assessment by on-site personnel that potential imminent damages to personnel exist on-site.

EMERGENCY EVACUATION

Notification of any required evacuation may be initiated by any on-site person who recognizes a potentially hazardous condition. Common situations that would justify an evacuation are described above.

Personnel shall not enter a hazardous area or situation to attempt a rescue if their own lives would be threatened (e.g., entering an area where explosive conditions are known to exist). The Project Manager and the Site Manager shall be responsible for coordinating the evacuation of on-site persons from the site. Following the evacuation, all on-site persons shall

be required to rendezvous at a previously established location.

In any emergency situation, Contact "911."

GENERAL WORKING GUIDELINES

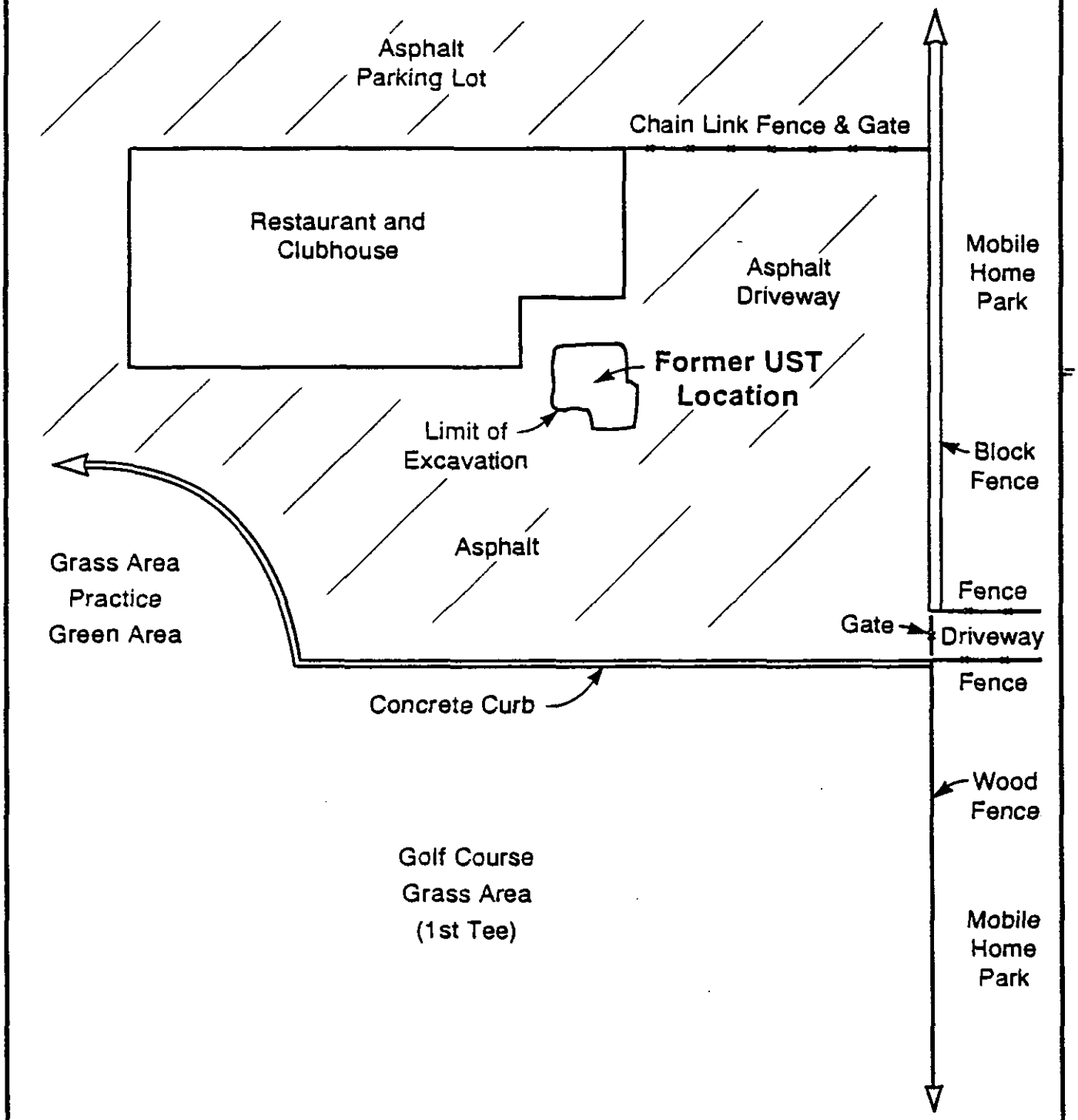
Personnel and visitors shall follow the guidelines, rules and procedures listed below. In addition, the Project Manager may impose other procedures and prohibitions that he believes are necessary for safe operations.

- No one will be permitted to go into restricted areas of the site alone. Personnel must employ the "Buddy System" and maintain communication in these areas.
- Material Safety Data Sheets (MSDS's) for hazardous materials used on-site shall be maintained and made readily available to personnel required to use these materials. These materials shall also be labeled and stored in a cool place. Fuel containers/tanks shall also be labeled and diked to contain spills.
- Use of contact lenses will not be allowed on-site.
- The Site Manager should maintain records of the daily weather conditions and wind directions which could influence the potential for the off-site migration of hazardous vapors and hazardous materials exposures. Thus, wind direction indicators should be utilized at the site.
- The Project Manager shall be notified of any abnormal behavior on the part of any person on-site that could indicate distress, disorientation, or other ill effects. Personnel should not ignore symptoms which could indicate heat stress or potential exposure to chemical contaminants.
- The Project Manager shall test lockout mechanisms on all mechanical and electrical devices possessing them prior to operation.

LIMITATIONS

While S-Cubed has prepared this Community Health and Safety Plan for submittal with a "Workplan for Sit Assessment and Mitigation", S-Cubed assumes no responsibility for the implementation of this plan or for worker's health and safety on site. The consultant performing the assessment and mitigation activities will be responsible for generating and implementing a site specific Health and Safety Plan.

Willowbrook Country Club
Site Plan



Scale: 1" = 20'

N

MAXWELL S-CUBED Division	PROJECT NO. 40270-22	FIGURE NO. 1
	ENG./GEO. LSS	DATE AUGUST 1993

Alpha
INVESTMENTS

WILLOWBROOK COUNTRY CLUB DIVISION
11905 RIVERSIDE DRIVE
LAKESIDE, CALIFORNIA 92040
PHONE (619) 561-1061

RECEIVED
JUL 6 11 41 AM '93
ENVIRONMENTAL
HEALTH SERVICES

July, 5, 1993

UPDATE REPORT

Site Assessment & Mitigation Division
P.O. Box 85261
San Diego, Ca. 92186-5261

RE: Unauthorized Release #T 2542/H28485-001
Willowbrook Country Club
11905 Riverside Drive
Lakeside, Ca. 92040

Willowbrook Country Club on June 14, 1993 contracted with Maxwell Laboratories, Inc. S-Cubed Division for its services. S-Cubed is to prepare a work plan that will submitted to the County of San Diego. The work plan will describe all work to be preformed.

Sincerely,

Spero Tzathas

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

EMERGENCY ☐ YES ☑ NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☑ NO

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.
SIGNED _____ DATE _____

REPORT DATE: 04/05/93 (M/M/D/D/Y/Y) | CASE #: TZ542/HZ8485-001

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: SPERO TZATHAS | PHONE: (619) 561-1061 | SIGNATURE

REPRESENTING ☑ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☐ OTHER _____

COMPANY OR AGENCY NAME: WILLOWBROOK COUNTRY CLUB

ADDRESS: 11905 RIVERSIDE DR. (STREET) | LAKESIDE (CITY) | CA. (STATE) | 92040 (ZIP)

RESPONSIBLE PARTY

NAME: ALPHA INVESTMENTS, INC ☐ UNKNOWN | CONTACT PERSON: SPERO TZATHAS | PHONE: (619) 561-1061

ADDRESS: 11905 RIVERSIDE DR. (STREET) | LAKESIDE, CA (CITY) | 92040 (STATE, ZIP)

SITE LOCATION

FACILITY NAME (IF APPLICABLE): WILLOWBROOK COUNTRY CLUB | OPERATOR | PHONE: (619) 561-1061

ADDRESS: 11905 RIVERSIDE DRIVE (STREET) | LAKESIDE (CITY) | SAN DIEGO (COUNTY) | 92040 (ZIP)

CROSS STREET: RIVERFORD ROAD

IMPLEMENTING AGENCIES

LOCAL AGENCY: COUNTY OF SAN DIEGO | AGENCY NAME: HAZARDOUS MATERIAL MANAGT DIV. | CONTACT PERSON: ROBERT RAPISTA | PHONE: (619) 338-2222

REGIONAL BOARD | PHONE: ( )

SUBSTANCES INVOLVED

(1) NAME: GASOLINE | QUANTITY LOST (GALLONS): _____ ☑ UNKNOWN

(2) _____ ☐ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED: 01/26/93 (M/M/D/D/Y/Y)

HOW DISCOVERED: ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☑ TANK REMOVAL ☐ OTHER _____

DATE DISCHARGE BEGAN: ☑ UNKNOWN

HAS DISCHARGE BEEN STOPPED? ☑ YES ☐ NO IF YES, DATE: 01/26/93

METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)
☐ REMOVE CONTENTS ☐ CLOSE TANK & REMOVE ☐ REPAIR PIPING
☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☐ CHANGE PROCEDURE
☐ REPLACE TANK ☑ OTHER REMOVE TANK

SOURCE/CAUSE

SOURCE OF DISCHARGE: ☑ TANK LEAK ☐ UNKNOWN ☐ PIPING LEAK ☐ OTHER

CAUSE(S): ☐ OVERFILL ☐ RUPTURE/FAILURE ☐ SPILL ☑ CORROSION ☐ UNKNOWN ☐ OTHER _____

CASE TYPE

CHECK ONE ONLY
☑ UNDETERMINED ☐ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY
☐ NO ACTION TAKEN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☑ POLLUTION CHARACTERIZATION
☐ LEAK BEING CONFIRMED ☐ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS
☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
☐ CAP SITE (CD) ☐ CONTAINMENT BARRIER (CB) ☐ VACUUM EXTRACT (VE)
☐ EXCAVATE & DISPOSE (ED) ☐ EXCAVATE & TREAT (ET) ☐ NO ACTION REQUIRED (NA) ☑ OTHER (OT) UNDETERMINED AT THIS TIME.
☐ REMOVE FREE PRODUCT (FP) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ TREATMENT AT HOOKUP (HU)
☐ ENHANCED BIO DEGRADATION (IT) ☐ REPLACE SUPPLY (RS) ☐ VENT SOIL (VS)

COMMENTS

HSC 05 (8/90)

INSTRUCTIONS

EMERGENCY
Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY
To avoid duplicate notification pursuant to Health and Safety code Section 25180.5, a government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY
Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

RESPONSIBLE PARTY
Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION
Enter information regarding the tank facility. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES
Enter names of the local agency and Regional Water Quality Control Board involved.

SUBSTANCES INVOLVED
Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT
Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE
Indicate source(s) of leak. Check box(es) indicating cause of leak.

CASE TYPE
Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

CURRENT STATUS
Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil. Descriptions of options follow:

No Action Taken - No action has been taken by responsible party beyond initial report of leak.
Leak Being Confirmed - Leak suspected at site, but has not been confirmed.
Preliminary Site Assessment Workplan Submitted - workplan/proposal requested of/submitted by responsible party to determine whether ground water has been, or will be, impacted as a result of the release.
Preliminary Site Assessment Underway - implementation of workplan.
Pollution Characterization - responsible party is in the process of fully defining the extent of contamination in soil and ground water and assessing impacts on surface and/or ground water.
Remediation Plan - remediation plan submitted evaluating long term remediation options. Proposal and implementation schedule for appropriate remediation options also submitted.
Cleanup Underway - implementation of remediation plan.
Post Cleanup Monitoring in Progress - periodic ground water or other monitoring at site, as necessary, to verify and/or evaluate effectiveness of remedial activities.
Case Closed - regional board and local agency in concurrence that no further work is necessary at the site.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION
Indicate which action have been used to cleanup or remediate the leak. Descriptions of options follow:

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.
Containment Barrier - install vertical dike to block horizontal movement of contaminant.
Excavate and Dispose - remove contaminated soil and dispose in approved site.
Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).
Remove Free Product - remove floating product from water table.
Pump and Treat Groundwater - generally employed to remove dissolved contaminants.
Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.
Replace Supply - provide alternative water supply to affected parties.
Treatment at Hookup - install water treatment devices at each dwelling or other place of use.
Vacuum Extract - use pumps or blowers to draw air through soil.
Vent Soil - bore holes in soil to allow volatilization of contaminants.
No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION
If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies intact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Clean Water Programs, Underground Storage Tank Program, P.O. Box 944212, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or their designee to receive Proposition 65 notifications.
5. Owner/responsible party.

EnvirOmega Consultants
16732 Palmero Drive
San Diego, California 92128
(619) 676-0046

RECEIVED
SEP 4 8 44 AM '97
ENVIRONMENTAL
HEALTH SERVICES

September 3, 1997

County of San Diego
Department of Environmental Health
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, California 92186-5261

Attention: Ms. Marisue Crystal

Subject: **Transmittal - Well/Boring Log Submittal (Permit No. W96943)**
Willowbrook Country Club
11905 Riverside Drive
Lakeside, California 92040
EnvirOmega Consultants Project No. EOC-97-044

Ms. Crystal:

Pursuant to Monitoring Well and Boring Construction and Destruction Permit No. W96943, approved on August 13, 1997 and San Diego County Code, Sections 67.440 and 67.421, and the California Department of Water Resources Bulletins 74-81 and 74-90, EnvirOmega Consultants is submitting herein a copy of a report entitled "Post-Mitigation Assessment Report for Willowbrook Country Club", dated September 3, 1997. This report includes details of the advancement of one hydropunch boring and the collection and analysis of one borehole groundwater sample. The report includes the following pertinent information:

(1) Background information concerning the site
(2) A Vicinity Map
(3) A Site Plan
(4) Log of the hydropunch boring
(5) Copies of the laboratory data sheets

Should you have any questions concerning the contents of this submittal, or we may be of further service, please contact the undersigned at your convenience at (619) 676-0046.

Sincerely,

David A. Eminhizer
Environmental Scientist
EnvirOmega Consultants

Enclosure: Post-Mitigation Assessment Report for Willowbrook Country Club

cc: Mr. Spero Tzathas
Mr. Martin Ortega

EnvirOmega Consultants
16732 Palmero Drive
San Diego, California 92128
(619) 676-0046

September 3, 1997

Mr. Spero Tzathas
Willowbrook Country Club
11905 Riverside Drive
Lakeside, CA 92040

Subject: Post-Mitigation Assessment Report
Willowbrook Country Club
11905 Riverside Drive, Lakeside, California
EOC Project No. EOC-97-044

Dear Mr. Tzathas:

The following post-mitigation assessment report, prepared by EnvirOmega Consultants (EOC) on your behalf, representing the subject property, summarizes the results of the performance of limited assessment activities for the property located at 11905 Riverside Drive in Lakeside, California.

EOC reviewed the previous consultant's report; excavated a soil boring; collected soil samples and one groundwater sample; analyzed one soil and one groundwater sample; characterized Soil Stockpile 2 (created by the activities of the former S-Cubed Division of Maxwell Laboratories [Maxwell]); and prepared this report detailing the results of the EOC activities.

In August 1997, EOC excavated a soil boring and collected and analyzed one soil and one groundwater sample and concluded from the results of these activities that Maxwell mitigated the petroleum hydrocarbon impact to the soil at the site to below the regulatory cleanup level. Additionally, EOC concludes that the groundwater, encountered at a depth of approximately 25 feet below the ground surface at the site, does not appear to have been contaminated by the release of petroleum hydrocarbons from the UST previously located on the site. Since a useable groundwater resource has not been impacted by the release of petroleum hydrocarbons from the UST, and a benzene vapor risk at levels of concern to public health is not likely to exist at the site, EOC requests that the regulatory agencies issue a "no further action" letter for the site. Additionally, since petroleum hydrocarbons were not measured in the soil stockpile, this soil is of no further concern. Support for these conclusions and this recommendation are provided in this report.

Nearby wells

If you have any questions concerning the contents of this report, or if we may be of further service, please contact David A. Eminhizer at (619) 676-0046.

Sincerely,

David A. Eminhizer
Environmental Scientist
EnvirOmega Consultants

Peter M. Stang
Registered Geologist
No. 5219

Enclosure: Post-Mitigation Assessment Report

cc: Mr. Martin Ortega, SAM

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B Well Permit Application, Boring Log
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1.0 INTRODUCTION

At the request of Mr. Spero Tzathas, representing Willowbrook Country Club (WCC), EnvirOmega Consultants (EOC) has performed post mitigation services for the WCC property located at 11905 Riverside Drive in Lakeside, California. This report summarizes the results of these services.

1.1 Site Location

A golf course, including a pro shop and maintenance facility, currently operates on the site. Surrounding the subject site are residences that include a mobile home park to the east, single family residences to the north across Riverside Drive, a vacant lot to the west, and the San Diego River to the south that flows along the southern boundary of the site. The approximate location of the subject site is presented on the Vicinity Map, Figure No. 1.

1.2 Background Summary

In 1993, one 1000-gallon underground storage tank (UST), most recently used to store gasoline, was removed from the subject site, by Western Pump, following regulatory protocol. The golf course associated with WCC originally used gasoline powered golf carts, but converted to electric golf carts and discontinued the use of the UST. At the time of removal, the UST reportedly contained one hole on the bottom of the western portion of the tank and "strong gasoline odors" were noted emanating from the excavation. Two soil samples collected from beneath the UST contained 7200 milligrams per kilogram (mg/kg) of gasoline and 575 mg/kg of diesel. Based on the analytical results and observations made during the UST removal, the County of San Diego Department of Environmental Health - Site Assessment and Mitigation Division (SAM) assigned unauthorized release number (UAR) T2542/H28485-001 to the site.

In August 1993, WCC retained the services of Maxwell Technologies (formerly Maxwell Laboratories, Inc., S-Cubed Division [Maxwell]) to prepare and submit a work plan detailing the removal of petroleum hydrocarbon impacted soil and the performance of confirmation soil sampling. In September 1993, Mr. Dave Berquist, the former SAM specialist assigned to the WCC site, approved the work plan with the condition that groundwater monitoring wells were to be installed at the site following the completion of the excavation activities, with groundwater samples collected from each of the wells.

During April 1994, Maxwell personnel (Note that Mr. Dave Eminhizer performed the services for WCC while employed at Maxwell) directed the removal of approximately 125 cubic yards of soil from the former location of the UST. Soil Stockpile 1 contained approximately 75 cubic yards of clean overburden and Soil Stockpile 2 contained approximately 50 cubic yards of petroleum hydrocarbon impacted soil. Soil Stockpile 1 was used to backfill the excavation following the soil removal activities. Maxwell personnel collected 23 confirmation soil samples from the excavation, with 7 of the 23 soil samples collected from the bottom of the excavation. Only 3 of the soil samples contained detectable total petroleum hydrocarbon (TPH) yes concentrations and of those 3 soil samples, only 2 were above the regulatory action level for the site of 100 mg/kg. Additional contaminated soil was removed from the area of these two soil samples with two additional soil samples collected in the areas where TPH concentrations exceeded the regulatory action level. These two soil samples did not contain detectable TPH levels indicating that soil possessing TPH concentrations above the regulatory action level

were most likely removed throughout the area of the excavation. Groundwater was not encountered during the excavation activities, and the collection of bottom samples from the excavation did not contain detectable TPH concentrations, indicating that groundwater was most likely not impacted from the petroleum hydrocarbon release associated with the UST. The results of the mitigation activities were detailed in the report entitled "Underground Storage Tank Site Assessment Report", dated January 3, 1997 that was prepared and submitted for the WCC site by Maxwell.

2.0 SCOPE OF SERVICES

The following details the post-mitigation activities performed at the site.

2.1 Summary of Technical Approach

During a telephone conversation on May 28, 1997, Mr. David Eminhizer of EOC discussed with Mr. Martin Ortega, the current site specialist, the post-mitigation services needed to achieve the goal of "no further action" for the site. While it was agreed that mitigation of petroleum hydrocarbon impact to the soil had been completed, potential impact to the groundwater had not yet been assessed. Mr. Eminhizer indicated to Mr. Ortega that potential petroleum hydrocarbon impact to the groundwater in the area of the former location of the UST could be assessed with the advancement of a hydropunch boring and the collection of a groundwater sample downgradient of the former location of the UST. Both Mr. Ortega and Mr. Eminhizer agreed that the installation of wells and the collection and analysis of water samples from the wells was unnecessary unless there was some indication of petroleum hydrocarbon impact to the groundwater. During this conversation, Mr. Ortega also indicated that Soil Stockpile 2 required statistical characterization and proper reuse prior to obtaining regulatory site closure.

EOC prepared and submitted a "Work Plan for Limited Groundwater Assessment and Soil Stockpile Characterization Services" (dated July 11, 1997) to Mr. Ortega proposing the advancement of one hydropunch boring and the characterization of Soil Stockpile 2. Mr. Ortega approved the work plan on July 21, 1997. A copy of the work plan, including the proposed hydropunch location, and the work plan approval letter, are included in Appendix A.

2.2 Services Provided

The following tasks detail the services provided by EOC on behalf of WCC.

2.2.1 Task I - Prefield Activities. These activities were performed prior to beginning the field activities.

- Submitted to Mr. Ortega, a work plan and community health and safety plan that were prepared in accordance with the 1997 SAM Manual. A copy of the approved work plan, the community health and safety plan, and Mr. Ortega's approval letter are provided in Appendix A.

- Prepared a site specific Health and Safety Plan that identified potential health and safety hazards anticipated during the performance of the field activities. The plan was reviewed by all field personnel before beginning the field activities.

- Prepared and submitted a boring permit application to SAM for the advancement of one hydropunch boring downgradient of the former tank excavation. A copy of the approved boring permit is included in Appendix B.

- Notified Underground Service Alert, as required by law, and obtained a "ticket number" at least 48 hours prior to the commencement of field activities.

2.2.2 Task II - Completed One Hydropunch Boring. This effort provided for the collection and analysis of a representative soil and groundwater sample.

- Advanced hollow-stem augers to collect soil samples and intercept the groundwater surface and provide for the collection of a groundwater sample.

- Collected soil samples and a groundwater sample from the hydropunch boring. The soil samples were placed into laboratory prepared jars and the groundwater sample was placed in laboratory prepared VOA vials, with both soil and groundwater samples labeled, chilled, and delivered to a California certified laboratory following chain of custody procedures for analysis.

- Analyzed the capillary zone soil sample and the groundwater sample for the presence of TPH and benzene, toluene, ethylbenzene and xylenes (BTEX) using the DHS-TPH Method and EPA Method 8020, respectively. The groundwater sample was also analyzed for the presence of methyl-t-butyl ether (MTBE) during the EPA Method 8020 analysis. Copies of the analytical data are included in Appendix C. Note that while the work plan did not propose the collection and analysis of a soil sample, EOC collected 13 soil samples to provide detailed logging of the soils and additional confirmation of the absence of petroleum hydrocarbon impact to the soil.

2.2.3 Task III - Soil Stockpile Characterization. Soil Stockpile 2, created by the Maxwell excavation activities, was statistically characterized.

- Characterized Soil Stockpile 2 according to the 1997 SAM Manual by collecting and analyzing 3 soil samples.

2.2.4 Task IV - Preparation of the Post-Mitigation Assessment Report. Following completion of Tasks I, II, and III, EOC prepared this report that summarizes the results of the field activities and provides recommendations, as appropriate.

- Prepared this report detailing the field activities and requesting regulatory closure of the site. Additionally, a copy of this report has been submitted to SAM (including a boring log and laboratory data) in accordance with County of San Diego Well Ordinance No. 4286 requirements.

3.0 ASSESSMENT ACTIVITIES

EOC performed the activities detailed below in accordance with the approved work plan. In preparation for the field activities the boring location was marked and "Underground Service Alert" was notified of the intent to drill. There were no affected utilities marked in the area of the boring location.

3.1 Hydropunch Advancement and Groundwater Sampling

On August 19, 1997, EOC met West Hazmat (drilling subcontractor) on the site at approximately 0800 hours. West Hazmat used a CME-75 drillrig equipped with hollow-stem augers to excavate Boring WCC-B1 to a depth of approximately 27 feet below ground surface (bgs) with 13 soil samples collected using a split spoon sampler from a depth of approximately 5 bgs and then continuously from approximately 10 feet bgs to 27 feet bgs.

Observation of the condition of the soil samples indicated that groundwater was likely to be present in the borehole at a depth of approximately 25 feet bgs. Soil sample WCC-B1-12, collected at a depth of approximately 25 feet bgs, appeared light brownish yellow to yellowish brown in color, and was moist. Sample WCC-B1-13, collected at 26.5 feet bgs appeared wet. Hydrocarbon odor was not apparent in any of the 13 soil samples (WCC-B1-1 through WCC-B1-13) collected from Boring WCC-B1.

Sandy soils encountered in the capillary zone and below the groundwater surface facilitated a rapid flow of groundwater into the borehole with the apparent static groundwater level stabilizing at a depth of approximately 25.0 feet bgs (as measured by EOC using an electronic water level meter) within a few minutes of completion of the borehole at a depth of approximately 27 feet bgs. EOC personnel collected groundwater sample WCC-B1-Water from the borehole by lowering a precleaned disposable bailer into the groundwater, extracting the bailer, and then pouring the contents of the bailer into 5 laboratory prepared 40-milliliter volatile organic analysis (VOA) vials. Note that there was no hydrocarbon odor, sheen, or film noted on the water in the bailer and that the bailer collected the groundwater sample such that the surface of the groundwater could be observed in the bailer.

Following the collection of the groundwater sample, EOC statistically characterized the soil that previously comprised Soil Stockpile 2 (approximately 50 cubic yards), created during the soil excavation activities performed by Maxwell, by collecting three soil samples, WCC-SP-1, WCC-SP-2, and WCC-SP-3. This stockpile, located approximately 300 yards west of the former location of the tank excavation, was incorporated into the first few feet of a sodded bank on the edge of a fairway.

Each of the soil samples and the groundwater sample were labeled, chilled, and transported to Mobile One Laboratories, Inc. following chain-of-custody procedures. A copy of the boring log for Boring WCC-B1 is provided in Appendix B with copies of the laboratory data provided in Appendix C.

3.2 Review of Laboratory Test Results

One boring soil sample, WCC-B1-12, collected from approximately 25 feet bgs, and the groundwater sample, WCC-B1-Water (collected from the borehole), were submitted to Mobile Laboratories, Inc., for the analysis of TPH and/or BTEX. The groundwater sample was also analyzed for the presence of MTBE during the BTEX analysis. A detectable TPH concentration was not detected in the boring soil sample, and detectable TPH, BTEX and MTBE concentrations were not detected in the groundwater sample.

The three soil samples collected from Soil Stockpile 2 were also analyzed for the presence of TPH. Detectable TPH concentrations were not detected in any of the three soil samples.

3.3 Summary of EOC Field Effort

A summary of the results of the field activities performed by EOC on this project is provided as follows:

1. Boring WCC-B1 was advanced to a depth of approximately 27 feet bgs.

2. A detectable TPH concentration was not measured in the one soil sample analyzed from the capillary zone. Detectable concentrations of TPH, BTEX, and MTBE were not measured in the groundwater sample.

3. Groundwater was measured at a depth of approximately 25 feet bgs in Boring WCC-B1.

3. The completed borehole was filled with a bentonite grout slurry poured through the hollow-stem augers as the augers were removed from the borehole (tremmie method) with concrete placed at the ground surface.

4. Three soil samples were collected from the soils that comprised Soil Stockpile 2; TPH concentrations were not detected in the three soil stockpile samples.

5. Since TPH concentrations were not measured in the borehole soil sample, the soil cuttings from boring B1 were placed under the No. 1 tee with sod placed over the soil.

4.0 SITE GEOLOGY AND HYDROGEOLOGY

The subject site is located at an elevation of approximately 380 to 385 feet above mean sea level (msl) (reference United States Geological Survey El Cajon 7.5 minutes series topographic map, 1975). The topography of the area of the site is relatively flat with an area paved for automobile parking and extensive grass cover for the golf course. Soils encountered during the boring advancement consisted of dark brown silty fine to medium sand from the ground surface to approximately 5.5 feet bgs, where yellowish brown fine to coarse sands were encountered and continued to about 12 feet bgs. From 12 feet to approximately 14 feet bgs, grayish brown fine to medium sand with a trace of silt was encountered with the soil type changing to yellowish brown fine to coarse sands with fine gravels at 14 feet bgs. From 14 feet to 16 feet bgs the soil types were interlayered between fine to medium sand with a trace of silt and fine to coarse sand with some gravels. From 16 feet bgs to the bottom of the borehole, at approximately 27 feet bgs, fine to coarse sand with some gravels was encountered.

Groundwater was measured at a depth of approximately 25 feet bgs in the borehole. With the surface elevation measured at approximately 380 to 385 feet msl, the groundwater elevation in the borehole, and the area of the former location of the UST, would be estimated at approximately 355 to 360 feet msl. Based on the proximity of the San Diego River to the site and the direction of flow in the river, groundwater beneath the site is estimated to flow in a southwesterly direction. Boring WCC-B1 was placed southwest of the former location of the UST to intercept groundwater flowing from beneath the previously contaminated (mitigated) area.

A review of the "Comprehensive Water Quality Control Plan, Basin 9" and the "Basin Plan Update and Triennial Review", dated September 8, 1994 indicates that the subject site is

located in the El Cajon Hydrologic Area of the Lower San Diego Hydrologic Subunit of the San Diego Hydrologic Unit. This RWQCB document designates the groundwater in this area as having beneficial uses for municipal and agricultural, and potential beneficial uses for industrial service supply and industrial process supply.

While the general cleanup levels for soil and groundwater in beneficial use areas have been established by the RWQCB at 100 mg/kg of TPH for soil and 1.0 µg/L of benzene for groundwater, less restrictive site specific cleanup levels have generally replaced these cleanup levels. The analytical results for soil and groundwater samples collected at this site indicate that petroleum hydrocarbon concentrations exceeding even the more restrictive levels were not measured at the site.

5.0 CUMULATIVE SUMMARY

In assessing whether the UAR of petroleum hydrocarbons on the site continue to have an impact, the following should be considered.

1. The analysis of soil samples collected by Maxwell indicated that soil containing petroleum hydrocarbon concentrations above 100 mg/kg have generally been removed. According to the Maxwell report, the only soil that remained in place that was impacted, contained 62 mg/kg of diesel (below the regulatory action level) at an approximate depth of 10.5 feet bgs and approximately 14.5 feet above the static groundwater surface measured during the 1997 EOC field activities. A copy of the plan and profile views of the sidewalls and bottom of the excavation, prepared by Maxwell, are included in Appendix D. These figures confirm the mitigation of petroleum hydrocarbon impact to the soil at the site.

2. The advancement of Boring WCC-B1 by EOC and the collection and analysis of a capillary zone soil sample and a groundwater sample indicates that there was no detectable soil or groundwater contamination adjacent and downgradient of the former location of the UST.

3. Three soil samples collected from Soil Stockpile 2, created by the Maxwell excavation activities did not contain TPH concentrations above the detection limit; and therefore, the soil is suitable for unrestricted reuse on site.

6.0 ARGUMENT FOR SITE CLOSURE AND RECOMMENDATION

After reviewing the Maxwell report, it was apparent that only a minor TPH diesel concentration (62 mg/kg) remains in place at the site at approximately 14.5 feet above the groundwater elevation measured on 8/19/97 with measurable concentrations of TPH and BTEX not detected by EOC in the groundwater sample. Based on this information, EOC concludes that the groundwater, encountered at a depth of approximately 25 feet bgs at the site, does not appear to have been contaminated by the release of petroleum hydrocarbons from the UST previously located on the site. Since a useable groundwater resource has not been impacted by the release of petroleum hydrocarbons from the UST, and a benzene vapor risk at levels of concern to public health is not likely to exist at the site, EOC requests that the regulatory agencies issue a **"no further action"** letter for the site. Additionally, since petroleum hydrocarbons were not measured in Soil Stockpile 2, EOC concludes that the use of this soil to berm and sod an area adjacent to a fairway was appropriate use of the soil.

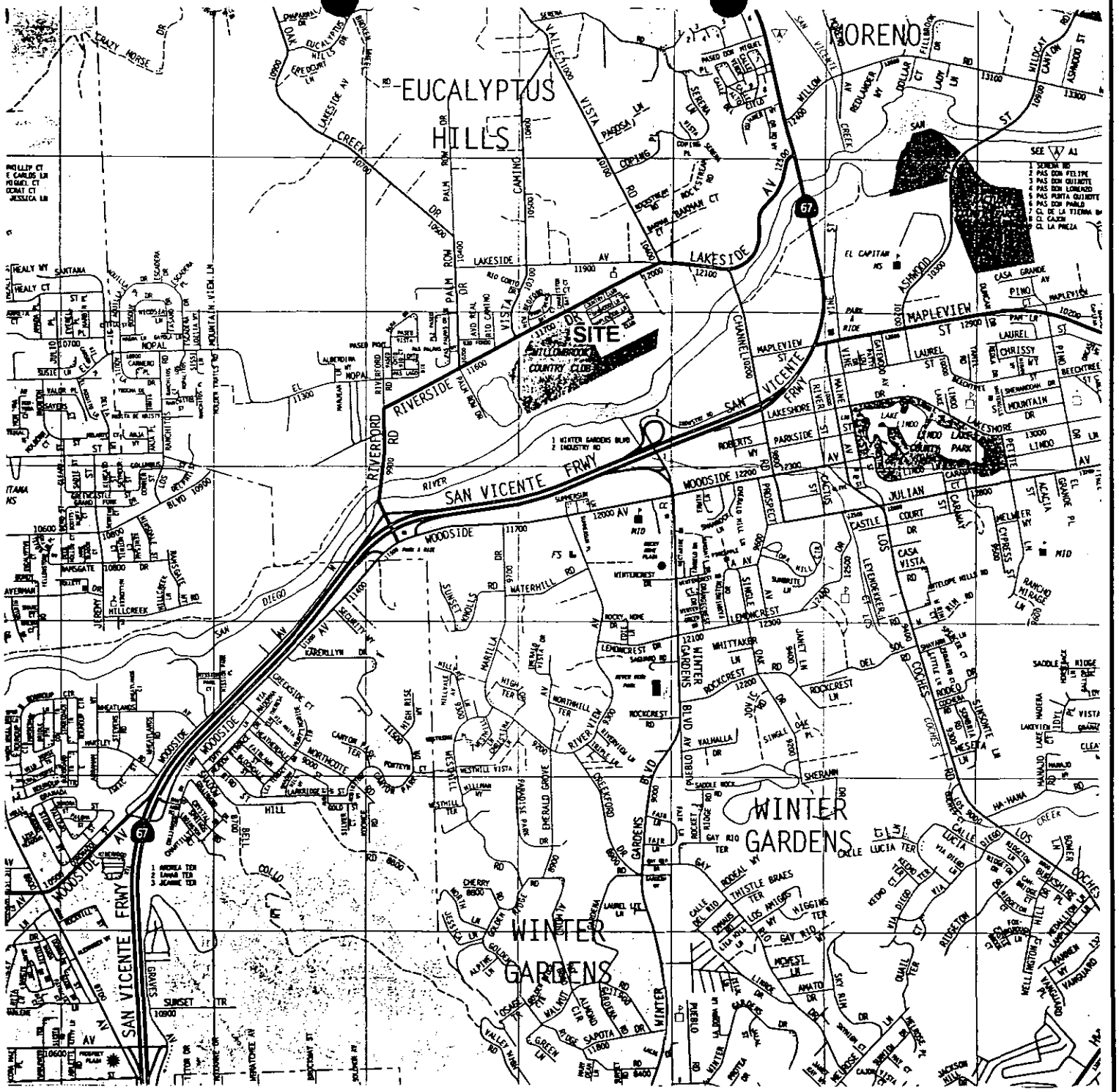
Based on the results obtained from the Maxwell and EOC field activities, and in accordance with the telephone conversation between Mr. Eminhizer and Mr. Ortega (May 28, 1997), and as detailed in the work plan and the approval letter, EOC recommends that a "**no further action**" letter be issued for the Willowbrook Country Club site.

7.0 REPORT LIMITATIONS

This report has been prepared exclusively for the use of Mr. Spero Tzathas, representing the Willowbrook Country Club property and for review by Mr. Martin Ortega of SAM and representatives of the RWQCB. Use of the information contained in this report by other parties is at the sole risk of the user.

The client should recognize that the assessment effort, including limited sampling and laboratory testing described in this report, cannot be interpreted as a characterization and statistical evaluation of the entire site but is intended to provide information relative to the effort to assess potential petroleum hydrocarbon impact to the groundwater at the site created by the previous use of a UST for the storage and dispensing of gasoline. The assessment of potential petroleum hydrocarbon impacts in EOC Boring B1 does not preclude the possibility of the presence of petroleum hydrocarbons or hazardous materials in other areas of the site.

The information obtained in assessing the petroleum hydrocarbon impacts at sites can vary at different times and different locations and the interpolation or extrapolation of such data results in some degree of uncertainty. Additionally, the client should recognize that regulatory agencies possess the final authority relative to site closures and may require the performance of additional services beyond those proposed or performed and described in this report. Therefore, the conclusions and recommendations presented in this report should only be considered conclusive with respect to the information contained herein. No guarantee of the results presented in this report is implied or intended. The services performed were conducted in accordance with the local standard of care in the geographic region at the time the services were rendered.



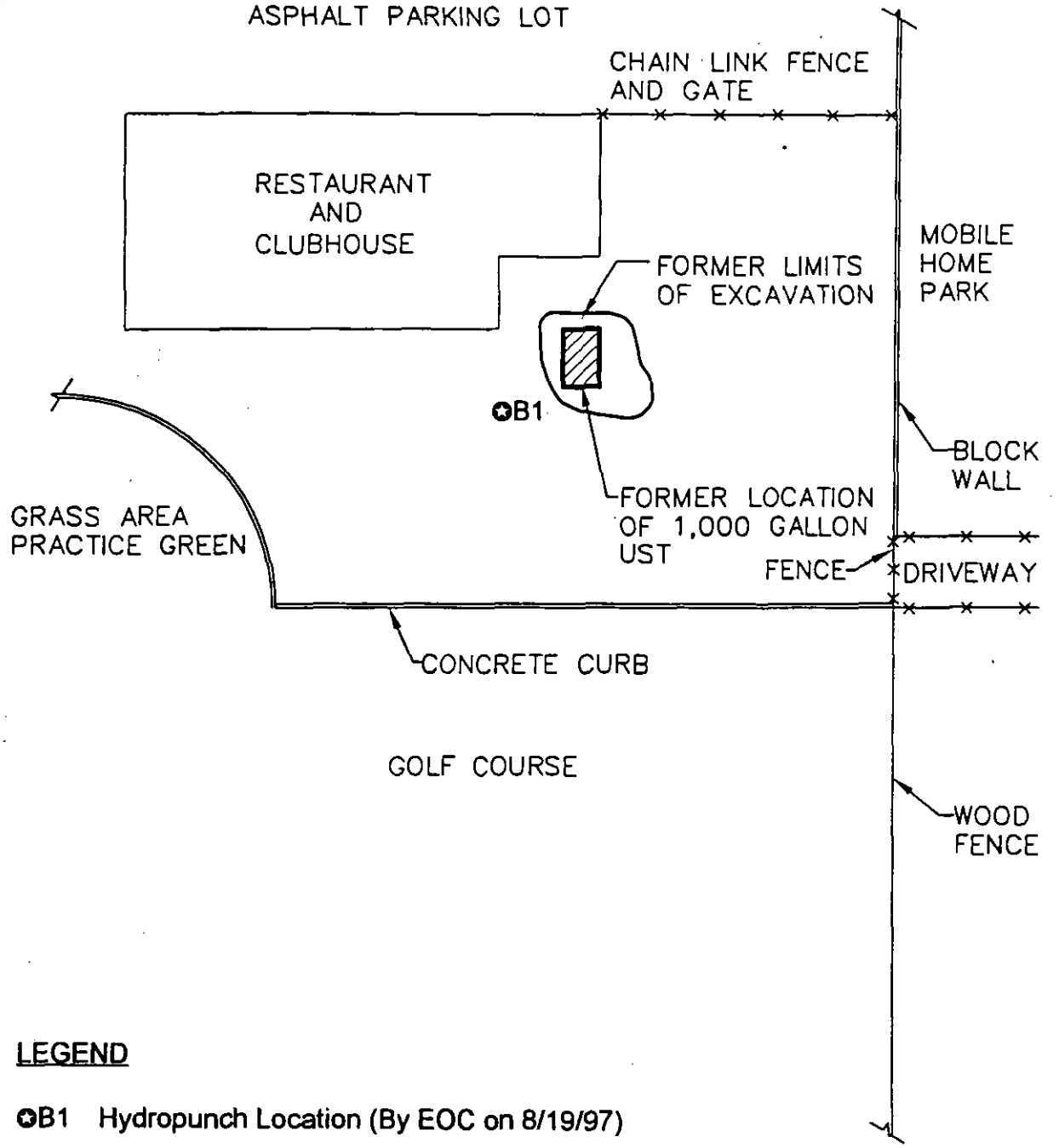
SOURCE: THE THOMAS GUIDE
SAN DIEGO COUNTY
STREET GUIDE AND DIRECTORY
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EnvirOmega Consultants

VICINITY MAP
FIGURE 1

PROJECT NO. EOC-97-044

WILLOWBROOK COUNTRY CLUB
11905 Riverside Drive
Lakeside, California



LEGEND

B1 Hydropunch Location (By EOC on 8/19/97)

Source: Maxwell Technologies (Formerly S-Cubed) Underground Storage Tank Site Assessment Report

Scale: 1" = 20'

N

EnvirOmega Consultants

SITE PLAN
FIGURE 2

PROJECT NO. EOC-97-044

WILLOWBROOK COUNTRY CLUB
11905 Riverside Drive
Lakeside, California

EnvirOmega Consultants
16732 Palmero Drive
San Diego, California 92128
(619) 676-0046

July 11, 1997

County of San Diego
Department of Environmental Health
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, California 92186-5261

Attention: Mr. Martin Ortega

Subject: Work Plan for Limited Groundwater Assessment and Soil Stockpile Characterization Services
Willowbrook Country Club
11905 Riverside Drive, Lakeside, California
Unauthorized Release No. H28485-001/T2542
EOC Project No. EOC-97-044

Dear Mr. Ortega:

At the request of Mr. Spero Tzathas, representing the subject property, EnvirOmega Consultants (EOC) has prepared this brief work plan to provide limited groundwater assessment and soil stockpile characterization services for the property located at 11905 Riverside Drive in Lakeside, California. The location of the site is presented on the Vicinity Map, Figure 1.

Background

On January 26, 1993, a 1000-gallon underground storage tank (UST) was removed by Western Pump, Inc., following regulatory permitting procedures. During the UST removal, two soil samples were collected and analyzed for the presence of total petroleum hydrocarbons (TPH). The results of the two soil samples indicated gasoline was present under the UST at a concentration of 7200 milligrams per kilogram (mg/kg) and diesel was present at a concentration of 575 mg/kg. Upon receipt of the analytical results, the County of San Diego Department of Environmental Health Site Assessment and Mitigation Division (SAM) assigned UAR Case No. H28485-001/T2542 to the site.

In April 1994, the former Maxwell Laboratories, S-Cubed Division (S-Cubed) performed assessment and mitigation of petroleum hydrocarbon impacts in the area of the former tank excavation through the removal of soil. For a more detailed summary of the field activities, please refer to the "Underground Storage Tank Site Assessment Report" (dated January 3, 1997) prepared and submitted by Maxwell Technologies, Inc. (formerly S-Cubed). Approximately 125 cubic yards of soil was removed and placed into two soil stockpiles. Soil Stockpile 1 contained approximately 75 cubic yards of clean overburden soil that was statistically characterized and used as backfill in the excavation. Soil Stockpile 2 was placed in

a different area of the site and placed on and covered with plastic sheeting. This soil stockpile has not yet been characterized.

After soil was removed from the excavation, twenty-three soil samples were collected from the sidewalls and bottom of the excavation and analyzed for concentrations of TPH. Only three soil samples contained TPH concentrations above the detection limit of 10 mg/kg (110 mg/kg gasoline, 1900 mg/kg gasoline, and 62 mg/kg diesel) and were observed at depths ranging from 10 to 11.5 feet below ground surface (bgs). Additional soil was removed in the areas with the gasoline concentrations and two additional confirmation soil samples were collected in those two areas. The two additional soil samples did not contain TPH gasoline concentrations above the detection limit. The additional removal of soil in the area containing the diesel concentration was not required since the general cleanup level applied to the site is 100 mg/kg of TPH. Based on a review of the S-Cubed report, EOC concludes that all soil containing TPH concentrations exceeding the regulatory cleanup level for the site (100 mg/kg of TPH) was removed by S-Cubed.

Technical Approach

On May 28, 1997, Mr. David Eminhizer of EOC spoke with you concerning additional work required to obtain site closure for the Willowbrook site. It was indicated by you that potential groundwater impact was still an issue on the site since the site is located in a beneficial groundwater area with a general groundwater cleanup level of 1 microgram per liter (µg/L) of benzene and potential impact to the groundwater has not yet been assessed. Mr. Eminhizer suggested and you concurred with the advancement of one hydropunch downgradient of the excavation location, and the collection and analysis of a groundwater sample to determine whether hydrocarbon impact to the groundwater beneath the site has occurred. The proposed hydropunch location is presented on the Site Plan, Figure 2. During this conversation, you also indicated that Soil Stockpile 2 needs to be statistically characterized prior to obtaining site closure.

Scope of Services

EOC will provide limited environmental services on behalf of Willowbrook Country Club as detailed below.

Task I - Prefield Activities. These activities will be performed in preparation for the completion of the planned field activities.

- Prepare this work plan and provide consultation, including a review of the proposed work plan with the appropriate representatives of SAM and before beginning field activities. Since the field services detailed in this work plan are limited to the advancement of a single hydropunch, the collection and analysis of a groundwater sample, and the collection and analysis of several soil samples from a stockpile, the attached Community Health and Safety Plan is limited to a brief two page detail of pertinent information.

- Prepare a site specific Health and Safety Plan that identifies potential health and safety hazards anticipated during the performance of the field activities. The plan will be prepared before field activities begin and will be reviewed by all field personnel.

- Prepare and submit a boring permit application to SAM for the advancement of one hydropunch downgradient of the former excavation. The location proposed for the hydropunch boring is presented on the Site Plan, Figure 2.

- Notify Underground Service Alert, as required by law, and obtain a "ticket number" at least 48 hours prior to the commencement of field activities.

Task II - Perform One Hydropunch Boring. This effort will provide for the collection and analysis of a representative groundwater sample.

- Advance hollow-stem augers to intercept the groundwater surface and provide for the collection of a groundwater sample.

- Collect a groundwater sample from the hydropunch boring. The groundwater sample will be placed in laboratory prepared VOA vials, labeled, chilled, and delivered to a California certified laboratory following chain of custody procedures for analysis.

- Analyze the groundwater sample for the presence of TPH and benzene, toluene, ethylbenzene and xylenes (BTEX) using the DHS-TPH Method and EPA Method 8020, respectively. The groundwater sample will also be analyzed for the presence of methyl-t-butyl ether (MTBE) during the EPA Method 8020 analysis, and if detected, will be confirmed using a mass spectrometer.

Task III - Soil Stockpile Characterization. Soil stockpile 2, created by the S-Cubed excavation activities, will be statistically characterized.

- Characterize Soil Stockpile 2 according to the 1996-97 Site Assessment and Mitigation Manual. EOC will assist Willowbrook with the disposal of the stockpile, if necessary, but it is anticipated that given the length of time since the stockpile was generated, it is unlikely that measurable petroleum hydrocarbons concentrations remain in the soil .

Task IV - Preparation of the Limited Groundwater and Soil Stockpile Assessment Report. Following completion of Tasks I, II, and III, EOC will prepare a report that summarizes the results of the field activities and provides recommendations, as appropriate.

- Prepare and submit a letter to SAM detailing the hydropunch and soil stockpile characterization activities (including a boring log and laboratory data) in accordance with San Diego Well Ordinance No. 4286.

- Prepare and submit a report detailing the field activities and requesting regulatory closure of the site, if applicable, or provide recommendations for additional

environmental services. The report will follow the guidelines presented in the 1996/1997 SAM Manual and will conform to the regulatory requirements for assessing UARs and obtaining no further action required determinations.

- Provide consultation with the client and representatives of the regulatory agencies following completion of the field activities, if required. The purpose of the consultation will be to present the results obtained during the performance of the field activities.

PROJECT SCHEDULE

EOC intends to proceed with the project activities immediately following regulatory approval and comment on this work plan.

If there are any questions, please call David Eminhizer or myself at (619) 676-0046.

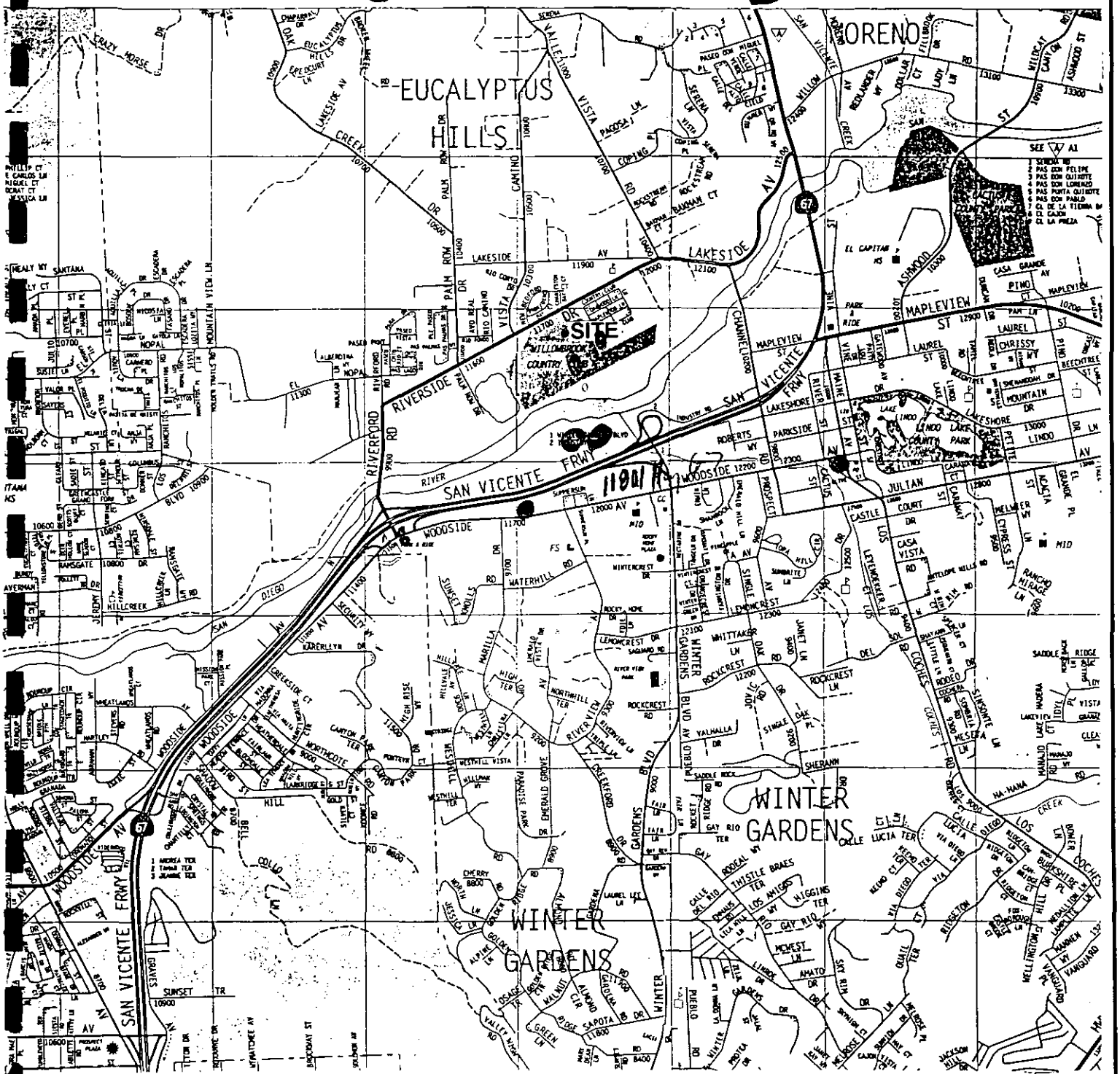
Sincerely,

Lisa Eminhizer

Lisa Eminhizer
Environmental Scientist/Chemist
EnvirOmega Consultants

Attachments Vicinity Map, Figure 1
Site Plan, Figure 2
Community Health and Safety Plan

cc: Mr. Spero Tzathas, Willowbrook Country Club



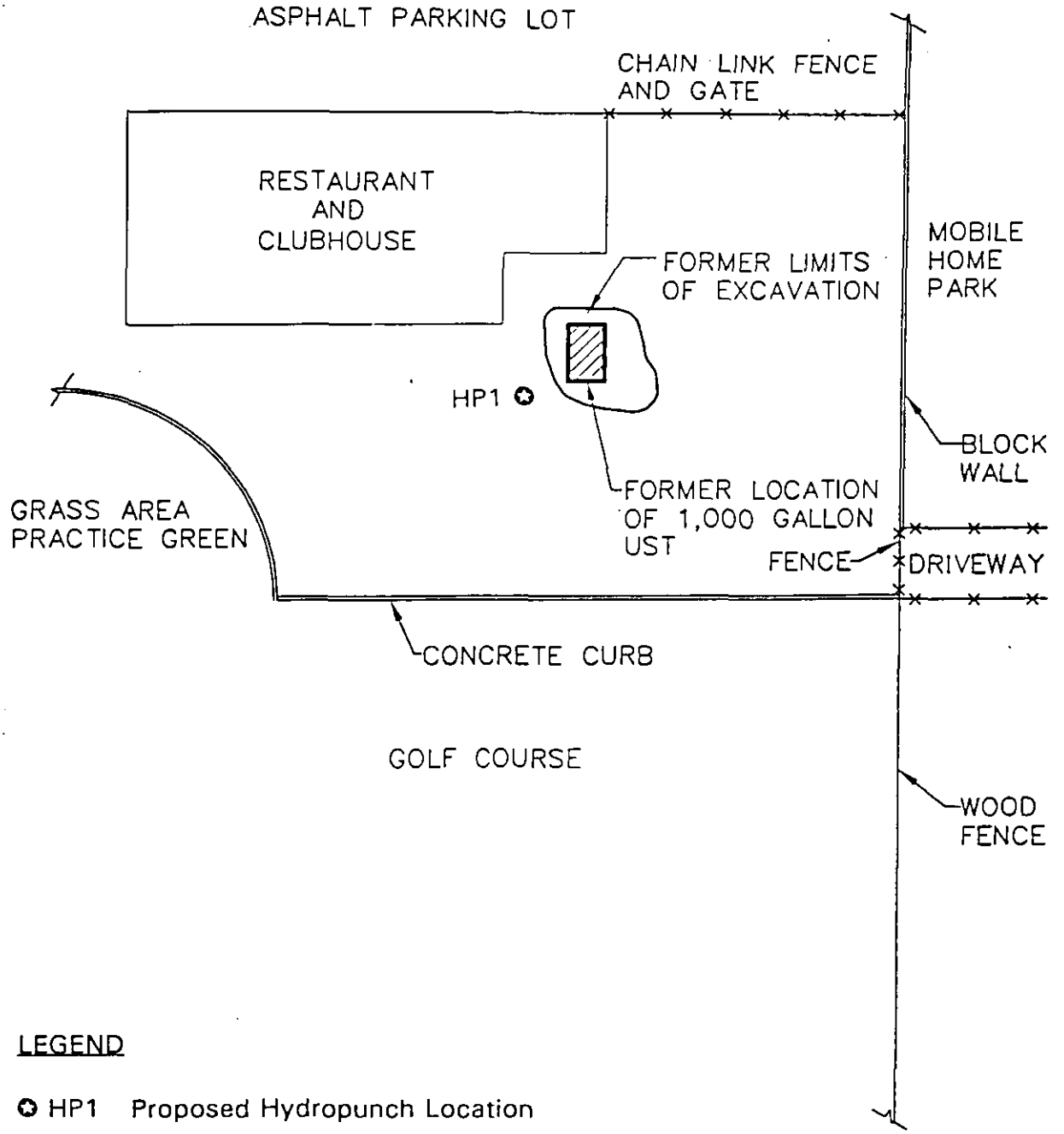
SOURCE: THE THOMAS GUIDE
SAN DIEGO COUNTY
STREET GUIDE AND DIRECTORY
PP. 1231 & 1232
1996 EDITION

EnvirOmega Consultants

VICINITY MAP
FIGURE 1

PROJECT NO. EOC-97-044

WILLOWBROOK COUNTRY CLUB
11905 Riverside Drive
Lakeside, California



LEGEND

HP1 Proposed Hydropunch Location

Source: Maxwell Technologies (Formerly S-Cubed)
Underground Storage Tank Site Assessment Report

Scale: 1" = 20'

EnvirOmega Consultants

SITE PLAN
FIGURE 2

PROJECT NO. EOC-97-044

WILLOWBROOK COUNTRY CLUB
11905 Riverside Drive
Lakeside, California

WILLOWBROOK COUNTRY CLUB
11905 RIVERSIDE DRIVE, LAKESIDE, CALIFORNIA

EMERGENCY NOTIFICATION REFERENCE

Emergency Response - Fire/Police/Ambulance **911**

Hospital - Scripps Hospital East, El Cajon ..... **(619) 440-1122**

Address: 1688 E. Main Street, El Cajon, California
Directions: Turn left on to Riverside Drive ; left on Riverford Drive to Highway 67 south; continue on Highway 67 to Interstate 8; take Interstate 8 east to Greenfield Drive; take Greenfield Drive north to E. Main Street. Hospital will be at the corner of E. Main Street and Greenfield Drive.

Poison Control Center **543-6000**
1-800-876-4766

County of San Diego Dept. of Health Services
Site Assessment and Mitigation Division (SAM) ..... **(619) 338-2222**
Martin Ortega, SAM Specialist ..... **(619) 338-2241**

Client - Willowbrook Country Club
Attn: Mr. Spero Tzathas ..... **(619) 561-1061**

Operations
EnvirOmega Consultants (EOC)
Dave Eminhizer, Environmental Scientist ..... **(619) 676-0046**

Standard Procedure for Reporting Emergencies

Provide the following information when calling for assistance in an emergency situation:

1. Name, phone number and location of person making call.
2. Number of person(s) exposed or injured.
3. Nature of emergency.
4. Actions already taken.
5. Remain on the phone unless instructed otherwise.

INTRODUCTION

This Community Health and Safety Plan has been developed specifically for the groundwater assessment and soil stockpile characterization activities to be performed on the Willowbrook Country Club facility in Lakeside, California. It addresses potential public health concerns and provides guidelines to reduce the potential for exposures and/or injuries to the surrounding public from the activities to be performed at the subject site. The provisions in this plan are based upon information contained within documents provided to EnvirOmega Consultants by Mr. Spero Tzathas, representing Willowbrook Country Club.

SITE LOCATION

The project site, a country club with a golf course, is located at 11905 Riverside Drive in Lakeside, California. The location of the site is provided on the Vicinity Map, Figure No. 1, of the work plan.

DESCRIPTION OF ACTIVITIES

The activities to be performed on this project consist of the following:

(1) Advancement of one hydropunch downgradient of the former tank excavation location. There is no suspected risk to public health when performing this task.

(2) Collection and analysis of a groundwater sample from the hydropunch hole. There is no risk to public health created by performing this task.

(3) Collection of soil samples from Soil Stockpile 2 created during the overexcavation performed in 1994. There is no risk to public health created by this task.

POTENTIAL ENVIRONMENTAL EFFECTS

Potential chemical, physical, and operational hazards identified by EOC and described in this document are not anticipated to cause any unsafe or unhealthy environmental effects to the public.

LIMITED PUBLIC NOTIFICATION

The limited public notification program will consist of informing the employees of the facility and the customers using the facility located at 110905 Riverside Drive in Lakeside, California. The advancement of a hydropunch boring, the collection and analysis of a groundwater sample, and the collection of soil stockpile samples, should not present any risk to facility employees or customers or to others located on the adjacent properties.

County of San Diego

DANIEL J. AVERA
DIRECTOR

LARRY T. AKER
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

SITE ASSESSMENT AND MITIGATION DIVISION

July 21, 1997

Willowbrook Country Club
Attn: Spero Tzathas
11905 Riverside Drive
Lakeside, CA 92040

Dear Mr. Tzathas:

UNAUTHORIZED RELEASE #H28485-001
WORKPLAN APPROVAL
WILLOWBROOK COUNTRY CLUB, 11905 RIVERSIDE DRIVE, LAKESIDE, CA

This letter has been prepared in accordance with the requirements set forth in Title 23 (State Underground Storage Tank Regulations), Division 3, Amendment to Chapter 16, Article 11, Section 2722. The purpose of this letter is to notify the Responsible Party of the status of the Workplan received by the San Diego County Site Assessment and Mitigation Division (SAM) on July 11, 1997.

The Workplan, dated July 11, 1997, and prepared by EnvirOmega Consultants covers one of the following phases of corrective action:

Preliminary Site Assessment	( )
Soil and Water Investigation	(X)
Corrective Action Plan	( )
Verification Monitoring	( )
Interim Remedial Action	( )

The Workplan proposing a hydropunch to determine if groundwater has been impacted has been:

( ) approved.
( ) disapproved-call the undersigned for further instructions.
(X) approved with the following changes or conditions:

1. This work plan is valid for six months.

2. All assessment activities are to be conducted in accordance with the 1996 SAM Manual, the work plan, and work plan approval letter. A copy of the 1996 SAM Manual can be acquired by contacting Chuck Pryatel at (619) 338-2449.

3. Investigation derives wastes need to be properly labeled and stored in a secured areas with limited access.

4. The final report must contain cross sectional drawings illustrating all samples locations and analytical results.

5. If the sample from the hydropunch boring detects any level of fuel contaminants in the groundwater monitoring well must be installed to investigate the impact to groundwater.

6. Please notify this office at least 72 hours prior to the initiation of field activities.

7. Document final deposition of the stockpiled soil. The RWQCB must concur with your option to disposed of the soil.

Keep this letter for your records as it may be required for corrective action cost reimbursement under Senate Bill 2004 (California Health and Safety Code, Division 20, Chapter 6.75, Article 6).

The need for further site characterization and mitigation actions will be determined following evaluation of the written report and consultation with the San Diego Regional Water Quality Control Board.

If you have any questions please call me at (619) 338-2241.

Sincerely,

MARTIN ORTEGA, Hazardous Materials Specialist II
Site Assessment and Mitigation Division

MO:ac

cc: David Eminhizer, EnvirOmega Consultants

WP\MAXWELL.MAO

PERMIT # W96943
A.P.N. # 379-192-23
EST # H28485

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH

SITE ASSESSMENT AND MITIGATION DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: WILLOWBROOK COUNTY CLUB

SITE ADDRESS: 11905 RIVERSIDE DRIVE, LAKESIDE, CA 92040

PERMIT FOR: 1 HYDROPUNCH BORING

PERMIT APPROVAL: 8/13/97

PERMIT EXPIRES ON: 12/11/97

PERMIT CONDITIONS:

1. All borings must be destroyed in accordance with Department of Water Resources Bulletin 74-81 and 74-90.

2. All wash water must be contained and disposed of properly.

3. Submit complete laboratory data for both soil and groundwater with the well logs.

4. Submit all the information specified in the SAM Manual in:

   Section 6, Page B-8, C., 2.

5. All water and soil that is placed in drums must be labeled and stored as specified in the SAM Manual in:

   Section 1, Page 12, (5).

6. This office must be given 48 hour notice of any drilling activity on this site. Please contact Marisue Crystal at (619) 338-2339.

7. This office must be given advanced notification of drilling cancellation. Please contact Marisue Crystal at (619) 338-2339.

NOTE: **This permit does not constitute approval of a workplan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Workplans are required for all unauthorized release investigations in San Diego County.**

APPROVED BY: Mary Peles DATE: 8/13/97

Notified: 8/14/97 LEFT MSG WITH LISA. MSC

PERMIT APPLICATION GROUNDWATER AND VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

FILED
Aug 4 12 17 PM '97

OFFICE USE ONLY

PERMIT#: W 96943
SAM CASE ON H 28485 MAO
DATE RECEIVED: 8-4-97
FEE PAID: 150. #2501

A. RESPONSIBLE PARTY Spero Tzathas Phone 619-561-1061
Mailing Address 11905 Riverside Drive, Lakeside, CA 92040

B. SITE ASSESSMENT PROJECT IF APPLICABLE #H 28485-001

C. CONSULTING FIRM EnvirOmega Consultants Contact Person Dave Eminhizer
Registered Professional (RG, RCE, CEG) Peter M. Stang Registration # RG 5219 Phone 619-676-0046
Mailing Address 16732 Palmero Drive City San Diego State CA Zip 92128

D. DRILLING COMPANY West Hazmat Drilling Corp. CSI# 554979 Phone (619) 686-5800
Mailing Address 3620 Kurtz St. City San Diego State CA Zip 92110

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☐ Groundwater	
☐ Vadose	
☐ Boring	
☒ Other	1

Hydropunch

NUMBER OF WELLS TO BE DESTROYED # NA

MATERIALS TO BE USED

CASING
Type Not Applicable
Gauge
Diameter
Well Screen Size
Filter Pack (Specify)

SEAL
☐ Neat Cement
☐ Cement & Bentonite
☐ Sand-Cement
☐ Bentonite
☒ Other Bentonite slurry

DRILLING METHOD
☒ Auger ☐ Air Rotor
☐ Mud Rotary
☐ Percussion ☐ Other

PROPOSED CONSTRUCTION

Estimated ground water depth 16-18 ft.
Not Applicable
CEMENT SEAL ____ to ____
BENTONITE SEAL ____ to ____
FILTER PACK ____ to ____
PERFORATION ____ to ____

PROPOSED DRILLING DATE 8-14-97

NOTE:

For wells with multiple completion attach a well construction diagram

I agree to comply with the requirements of the current Site Assessment and Mitigation Division Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLERS SIGNATURE — DATE 8.1.97

Within 30 days of completion, I will furnish the Site Assessment and Mitigation Division with a complete and accurate well/boring log. I will certify the design and construction or destruction of the well/borings in accordance with the permit application.

RG/CEG/RCE SIGNATURE — DATE 01 August 97

F. SITE INFORMATION

1. ASSESSORS PARCEL NUMBER 379-192-23
Site Name Willowbrook Country Club
Site Address 11905 Riverside Drive City Lakeside Zip 92040

PROPERTY OWNER Spero Tzathas Phone 619-561-1061
Mailing Address 11905 Riverside Drive City Lakeside State CA Zip 92040

NUMBER OF WELLS 1 TYPE OF WELLS Hydropunch

2. ASSESSORS PARCEL NUMBER
Site Name
Site Address City Zip

PROPERTY OWNER Phone
Mailing Address City State Zip

NUMBER OF WELLS TYPE OF WELLS

3. ASSESSORS PARCEL NUMBER
Site Name
Site Address City Zip

PROPERTY OWNER Phone
Mailing Address City State Zip

NUMBER OF WELLS TYPE OF WELLS

4. ASSESSORS PARCEL NUMBER
Site Name
Site Address City Zip

PROPERTY OWNER Phone
Mailing Address City State Zip

NUMBER OF WELLS TYPE OF WELLS

. FEES:

	FEE CODE	BASE FEE INCLUDES FIRST BORING/WELL	FEE FOR ADDITIONAL
1	Groundwater MW's Vapor Extraction MW's Vadose Wells	$150.00	_____ x $150 = _____
2	Boring/Hydropunch Geoprobes, etc.	$150.00	_____ x $90 = _____
3	Destruction	$150.00	_____ x $140 = _____

PERMIT APPLICATION FOR
GROUND WATER AND VADOSE MONITORING WELLS
EXPLORATORY OR TEST BORINGS

- For well destruction, complete only #1 below.
- Well design, logging and construction must be supervised by a Geologist, Engineering Geologist or Civil Engineer who is registered or certified by the State of California.
- Provide verification of a Well Drilling C-57 License.
- Provide a plot plan giving location of property lines, existing improvements such as structures, underground tanks, underground utilities, underground piping, and the proposed monitoring and/or observation wells.
- Provide a signed copy of the Property Owner Responsibility form for each property listed in Section "F".

1. If wells are to be destroyed, provide a description of method of destruction. No wells to be destroyed

2. What is the proposed purpose of the well/boring? The purpose of the hydropunch is to collect a groundwater sample.

3. What procedures will be used to prevent the well/boring from providing an avenue to contamination during construction?
The hydropunch equipment will be cleaned prior to their use on the site. Water sampling equipment will also be cleaned.

4. What field procedures will be utilized to determine if contamination exists?
The groundwater sample will be tested for the appropriate analyses.

5. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?
The groundwater sample will be sent to the laboratory for the appropriate analyses.

6. What constituents will be monitored and tested (Include EPA Laboratory Test Methods to be used)

The hydropunch groundwater sample. will be analyzed for total petroleum hydrocarbons, benzene, tolene, ethylbenzene, and xylenes (BTEX), and MTBE using the DHS-TPH Method and EPA Method 8020, respectively.

7. How will samples be transported and preserved? The groundwater sample will be chilled in an ice chest and delivered to the laboratory following chain-of-custody procedures.

8. What sampling methods will be used? A hydropunch method will be used to sample the groundwater.

9. Are you proposing a variation from the methods and/or procedures presented in the requirements for the construction of Vadose and Ground Water Monitoring Wells (Current SAM Manual Requirements). If yes, specify these variations.

NO

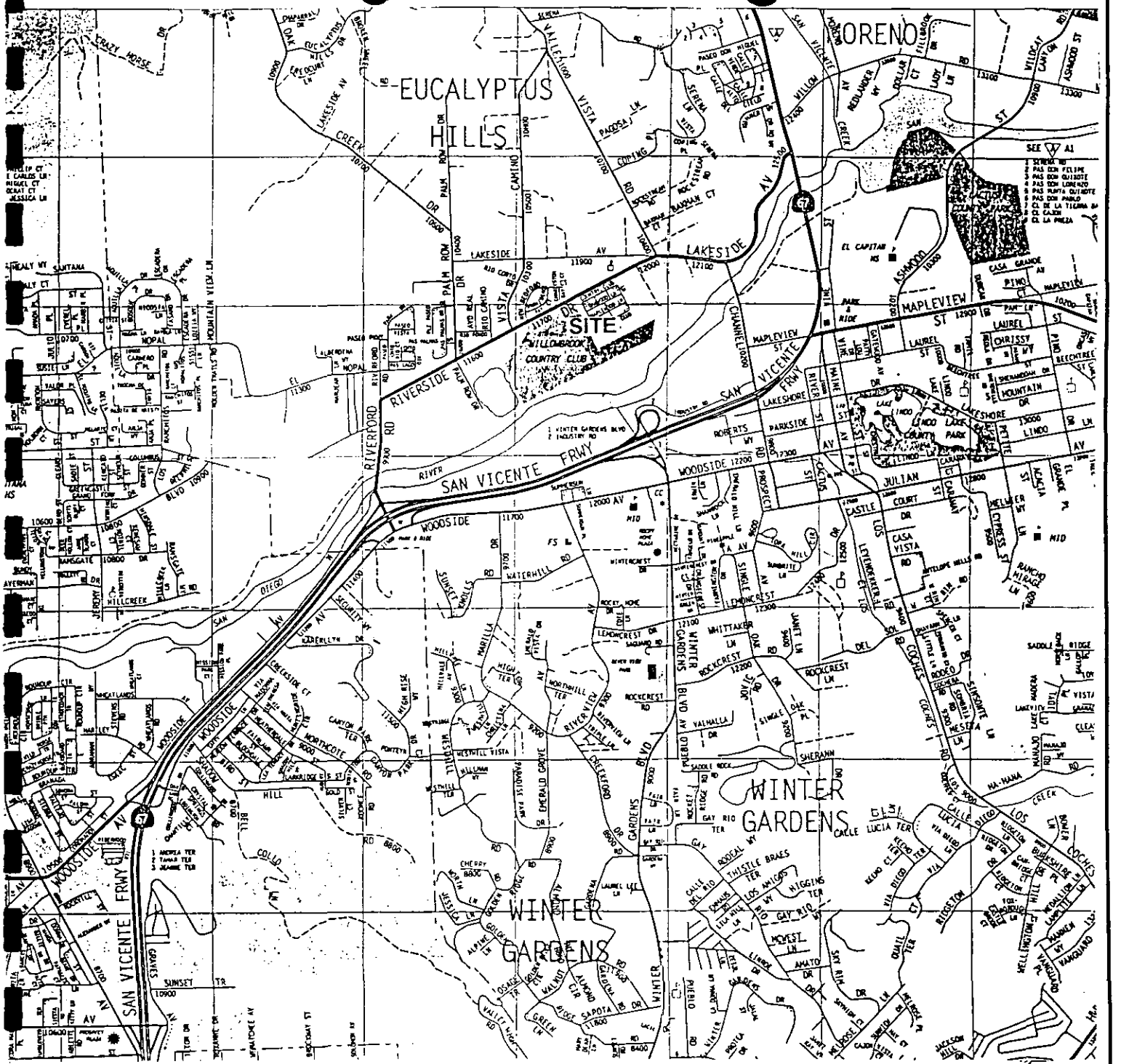
10. What procedures will be used to ensure no contamination will be introduced by the drilling equipment?

The augers will be steam cleaned prior to use on the site.

11. What methods will be used to clean sampling equipment? Sampling equipment will be cleaned with a trisodium phosphate solution and rinsed with potable water.

12. What cleaning method will be used to clean casing and screen prior to installation?

The use of casing and screen will not be required.



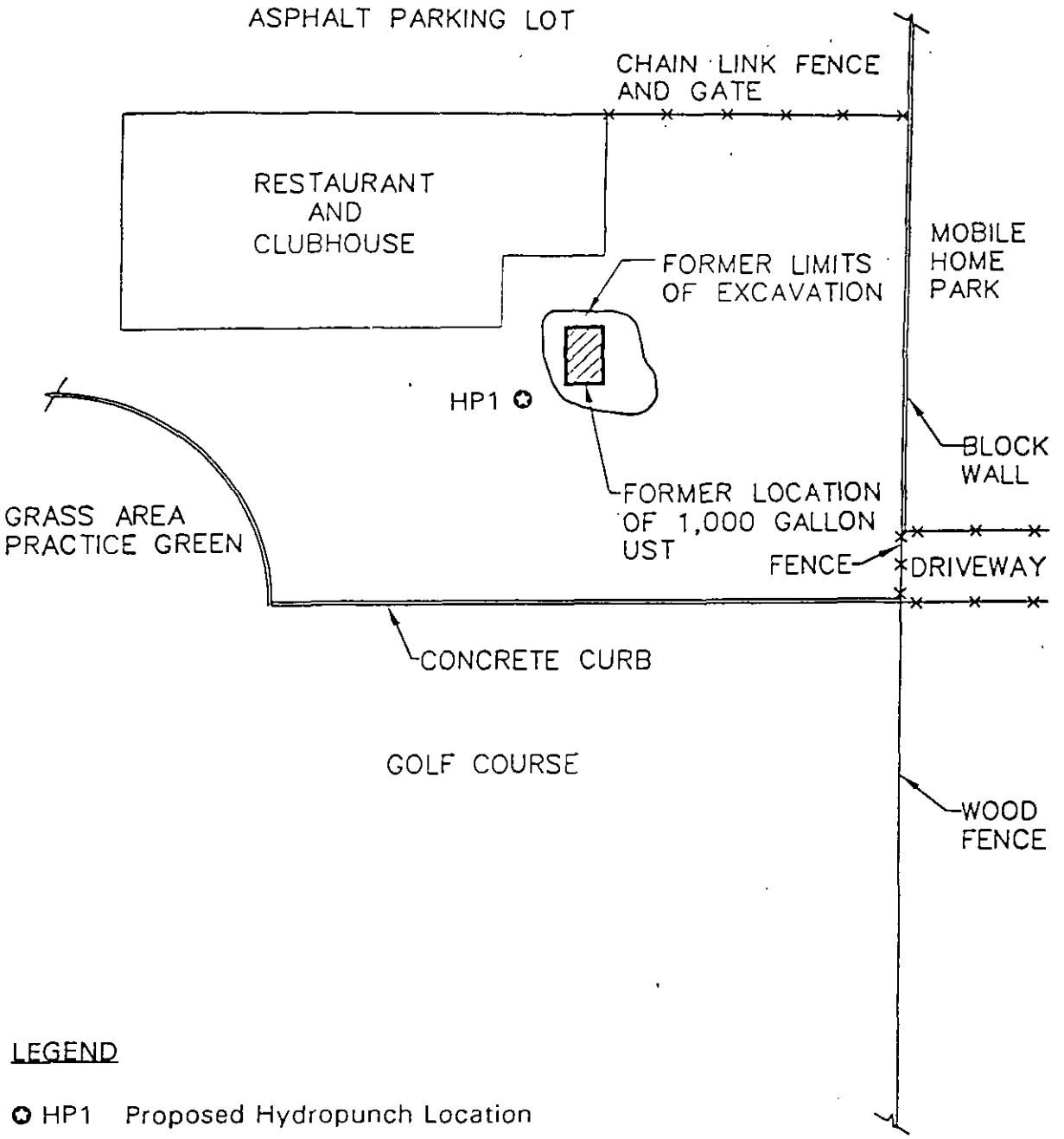
SOURCE: THE THOMAS GUIDE
SAN DIEGO COUNTY
STREET GUIDE AND DIRECTORY
PP. 1231 & 1232
1996 EDITION

EnvirOmega Consultants

VICINITY MAP
FIGURE 1

PROJECT NO. EOC-97-044

WILLOWBROOK COUNTRY CLUB
11905 Riverside Drive
Lakeside, California



LEGEND

HP1 Proposed Hydropunch Location

Source: Maxwell Technologies (Formerly S-Cubed) Underground Storage Tank Site Assessment Report

Scale: 1" = 20'

N

EnvirOmega Consultants

SITE PLAN
FIGURE 2

PROJECT NO. EOC-97-044

WILLOWBROOK COUNTRY CLUB
11905 Riverside Drive
Lakeside, California

EnvirOmega Consultants
16732 Palmero Drive
San Diego, California 92128
(619) 676-0046

August 1, 1997

County of San Diego
Department of Environmental Health
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, California 92186-5261

Attention: Ms. Marisue Crystal

Subject: **Transmittal - Hydropunch Advancement and Collection of Groundwater Samples**
Willowbrook Country Club
11905 Riverside Drive, Lakeside, California
Unauthorized Release No. T2542/H28485-001
EnvirOmega Consultants Project No. EOC-97-044

Ms. Crystal:

Pursuant to the San Diego County Code, Sections 67.440 and 67.421, and the California Department of Water Resources Bulletins 74-81 and 74-90, EnvirOmega Consultants (EOC) is enclosing herein a boring/well permit application for the advancement of 1 hydropunch boring with the collection of a groundwater sample at the subject site, located at 11905 Riverside Drive in Lakeside, California. The site is presented on the Vicinity Map, Figure 1. The proposed location of the hydropunch is presented on the Site Plan, Figure 2.

In 1993, one underground storage tank (UST) was removed from the site following regulatory procedures. During the UST removal a hole was observed on the bottom of the tank and the two soil samples collected and analyzed contained petroleum hydrocarbon concentrations above the regulatory level for a beneficial area (Willowbrook is located in beneficial groundwater use area). Based on the UST removal results, an unauthorized release was assigned to the site.

In 1994, Maxwell Laboratories, Inc., S-Cubed Division, performed assessment and mitigation services including the removal of approximately 125 cubic yards of soil. Groundwater was reportedly not encountered (to a depth of 14.5 feet below ground surface) during the excavation activities performed by S-Cubed. Following a review of the S-Cubed report by Mr. Martin Ortega and discussions between Mr. Ortega and myself about the site (previous services were performed by me while I was an employee of S-Cubed), Mr. Ortega agreed that a hydropunch would be adequate to provide groundwater quality information. Therefore, EOC plans on advancing one hydropunch boring downgradient of the former UST and collecting a groundwater sample.

The permit application including a check for the permit fee of $150.00 is enclosed. We are planning to advance the boring around August 14, 1997. Should you have any questions concerning the contents of this transmittal, or we may be of further service, please contact the undersigned at your convenience at (619) 676-0046.

Sincerely,

David A. Eminhizer
Environmental Scientist
EnvirOmega Consultants

enclosure(s) Figure 1, Vicinity Map
Figure 2, Site Plan
Well Permit Application

cc: Mr. Spero Tzathas

BORING / TRENCH NO.	WCC-B1	WELL NO.	"NO WELL"
Date Drilled:	8/19/97	Well Screen:	
Equipment:	CME-75	Well Cover:	
Driller:	West Hazmat	Diameter & Type of Casing:	
Water Level:	≈ 25' BGS	Top of Casing Elevation:	

Sample Information				Soil Information			Groundwater	Well Information	
Sample No. / Time	Sample Type	TPH mg/Kg	Blow Count / Foot	Depth in Feet	Strata	Soil Description		Graphic	Well Construction
						3" asphaltic concrete			
				1		Medium dense, moist, very dark brown (10YR 2/2), silty fine to medium SAND (SM)			
				2					
				3					
				4					
	RUN 5.0 - 6.5			5					
B1-1 0850	GRAB 6.0 - 6.5	NA	45	6		Dense, moist, light brownish yellow (10YR 6/6) to yellowish brown (10YR 5/6) fine to coarse SAND (SW)			
				7					
				8					
				9					
	RUN 10.0 - 11.5			10					
B1-2 0857	GRAB 11.0 - 11.5	NA	55	11					
	RUN 11.5-13.0			12					
B1-3 0901	GRAB 12.5-13.0	NA	60	13		Very dense, moist, very dark grayish brown (2.5YR 3/2) fine to medium SAND, trace silt (SM)			

EnviroOmega

Project:	Willowbrook Country Club	Figure No.:	B-1
Project No.:	EOC-97-044	Date:	9/3/97
Eng. / Geo.:	Eminhizer / Stang	Page	1 of 2

BORING / TRENCH NO. WCC-B1

WELL NO. "NO WELL"

Date Drilled: 8/19/97
Equipment: CME-75
Driller: West Hazmat
Water Level: ≈ 25' BGS

Well Screen: ?
Well Cover: ?
Diameter & Type of Casing:
Top of Casing Elevation:

Sample Information				Soil Information			Groundwater	Well Information	
Sample No. / Time	Sample Type	TPH mg/Kg	Blow Count / Foot	Depth in Feet	Strata	Soil Description		Graphic	Well Construction
	RUN 13.0-14.5					Very dense, moist, light brownish yellow (10YR 6/6) to yellowish brown (10YR 5/6) fine to coarse SAND, few fine gravels (SW)			
14 B1-4 1019	GRAB 14.0-14..5	NA	80	14					
	RUN 14.5-15.5								
15 B1-5 0910	GRAB 15-15.5	NA	80	15					
	RUN 15.5-16.5					Very dense, moist, very dark grayish brown (2.5YR 3/2) fine to medium SAND, trace silt (SM)			
16 B1-6 0915	GRAB 16-16.5	NA	80	16					
	RUN 16.5-18.0								
17				17					
B1-7 0920	GRAB 17.5-18.0	NA	55			Very dense, moist, light brownish yellow (10YR 6/6) to yellowish brown (10YR 5/6) fine to coarse SAND, few fine gravels (SW)			
18	RUN 18.0-19.5			18					
19 B1-8 0924	GRAB 19.0-19.5	NA	70	19					
	RUN 19.5-21.0								
20				20					
B1-9 0928	GRAB 20.5-21.0	NA	40						
21	RUN 21.0-22.5			21					
22 B1-10 0932	GRAB 22.0-22.5	NA	40	22					
23	RUN 22.5-24.0			23					
B1-11 0936	GRAB 23.5-24.0	NA	65						
24	RUN 24-25.5			24					
25 B1-12 0942	GRAB 25-25.5	<10	50	25		Water estimated at 25.0 feet bgs at 0942 HRS	▼		
26	RUN 25.5-27.0			26					
B1-13 0946	GRAB 26.5-27.0	NA	30						
27				27		BOH at 27.0 feet bgs			

Environmental

Project: Willowbrook Country Club
Project No.: EOC-97-044
Eng. / Geo.: Eminhizer / Stang

Figure No.: B-1
Date: 9/3/97
Page 2 of 2

MOBILE ONE LABORATORIES INC.

8/22/97

ENVIROMEGA CONSULTANTS
16732 PALMERO DR.
SAN DIEGO, CA 92128

Project Name: Willowbrook Country Club
Project No.: EOC-97-044

Attention: Mr. Dave Eminhizer

Mobile One Laboratories received and analyzed the following sample(s):

Date Received	Quantity	Matrix
08/19/97	16	Soil
08/19/97	1	Water

The samples were analyzed by one or more of the EPA methodologies or equivalent methods as specified below.

TPH -- CA DHS "Total Petroleum Hydrocarbons"
BTEX -- EPA Method 8020
TRPH -- EPA Method 418.1, modified for soils
VOCs -- EPA Method 8260

The results are included with a summary of the quality control procedures. Please note that the symbol "nd" indicates a value below the reporting limit for the particular compound in the sample. Flags qualifying the data are explained in footnotes on the same report page as they occur.

Please feel free to call us to discuss any part of this report or to schedule future projects.

Sincerely,

Rebecca L. Johnson
President

James E. Picker, Ph.D
Lab Director

Mobile One Laboratories is certified by the California Department of Health Services (certificate #s: 1194, 1561, 1921, 2088), and the Arizona Department of Health Services (certificate #: AZM466).

MOL Project #EO71

148 SO. VINEWOOD STREET • ESCONDIDO, CA 92029 • PHONE (760) 735-3208 • FAX (760) 735-2469
816 CHURCH STREET • SAN FRANCISCO, CA 94114 • PHONE (415) 920-9972 • FAX (415) 920-9983

MOBILE ONE LABORATORIES INC.

Report Summary

Client: Enviromega Consultants
Project: Willowbrook Country Club Matrix: soil

Method	TPH gasoline	TPH diesel	TRPH	MTBE **	Benzene	Toluene	Ethyl-benzene	Xylenes
Detection Limit (mg/kg)	10	10	10	0.1	0.05	0.05	0.05	0.15
SAMPLE I.D.								
Date Analyzed: 08/21/97								
WCC-B1-12	nd	nd						
WCC-SP-1	nd	nd						
WCC-SP-2	nd	nd						
WCC-SP-3	nd	nd						

nd = not found above the detection limit
& = gasoline range organics not identified as gasoline
# = diesel range organics not identified as diesel
* = sample dilution was required. Detection limits were adjusted accordingly.
** = This compound has been screened by EPA method 8020. Any positive results should be confirmed by a second analysis.
= A second analysis has been performed on this sample by Mass Spectrometry. The results are as indicated.
Analyses performed by: B. Hutchinson

EO71

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816 CHURCH STREET • SAN FRANCISCO, CA 94114 • PHONE (415) 920-9972 • FAX (415) 920-9983

MOBILE ONE LABORATORIES INC.

Report Summary

Client: Enviromega Consultants
Project: Willowbrook Country Club Matrix: water

Method	TPH gasoline	TPH diesel	TRPH	MTBE **	Benzene	Toluene	Ethyl-benzene	Xylenes
Detection Limit (ug/L)	500	500	500	20	0.5	0.5	0.5	1.5
SAMPLE I.D.								
Date Analyzed: 08/21/97	2 days after collection							
WCC-B1-WATER	nd	nd		nd	nd	nd	nd	nd

nd = not found above the detection limit
& = gasoline range organics not identified as gasoline
# = diesel range organics not identified as diesel
* = sample dilution was required. Detection limits were adjusted accordingly.
** = This compound has been screened by EPA method 8020. Any positive results should be confirmed by a second analysis.
= A second analysis has been performed on this sample by Mass Spectrometry. The results are as indicated.
Analyses performed by: B. Hutchinson

EO71

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816 CHURCH STREET • SAN FRANCISCO, CA 94114 • PHONE (415) 920-9972 • FAX (415) 920-9983

MOBILE ONE LABORATORIES INC.

QC Summary

Client: Enviromega Consultants
Project: Willowbrook Country Club
Matrix: soil

Method	TPH gasoline	TPH diesel	TRPH	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes
APR - % QC Limits	(67-125)	(67-125)	(75-126)	(60-125)	(60-125)	(59-125)	(52-125)	(60-127)
RPD - % QC Limits	<30	<30	<30	<30	<30	<30	<30	<30

Date Analyzed: 08/21/97

Spike Level (mg/kg)	151	251
MS Amount Found	153	245
MSD Amount Found	156	258
APR - %	102.3	100.2
RPD - %	1.9	5.2

Calibration verification was within acceptable limits.
No contamination was found in method blanks at detectable levels.

EO71

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816 CHURCH STREET • SAN FRANCISCO, CA 94114 • PHONE (415) 920-9972 • FAX (415) 920-9983

MOBILE ONE LABORATORIES INC.

QC Summary

Client: Enviromega Consultants
Project: Willowbrook Country Club
Matrix: water

Method	TPH gasoline	TPH diesel	TRPH	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes
APR - % QC Limits	(75-125)	(75-125)	(60-125)	(60-125)	(69-125)	(63-125)	(60-125)	(57-127)
RPD - % QC Limits	<30	<30	<30	<30	<30	<30	<30	<30
Date Analyzed: 08/21/97								
Spike Level (ug/L)	7600			100.0	10.0	10.0	10.0	30.0
MS Amount Found	7320			111.0	10.1	11.2	11.0	31.5
MSD Amount Found	6680			108.0	9.9	10.8	11.1	30.8
APR - %	92.1			109.5	100.1	110.0	110.5	103.8
RPD - %	9.1			2.7	1.9	3.6	0.9	2.2

Calibration verification was within acceptable limits.
No contamination was found in method blanks at detectable levels.

EO71

148 SO. VINEWOOD STREET • ESCONDIDO, CA 92029 • PHONE (760) 735-3208 • FAX (760) 735-2469
816 CHURCH STREET • SAN FRANCISCO, CA 94114 • PHONE (415) 920-9972 • FAX (415) 920-9983

MOBILE ONE LABORATORIES INC.

CHAIN-OF-CUSTODY RECORD

MOL: [redacted]

Date: 8/19/97 Page 1 of 2

148 So. Vinewood Street, Escondido, CA 92029 (619) 735-3208 FAX (619) 735-2469

816 Church Street, San Francisco, CA 94114 (415) 920-9972 FAX (415) 920-9983

Client: ENVIROMEGA CONSULTANTS

Site Address: 11905 RIVERSIDE DRIVE

LAKESIDE, CA

EOC-97-044

Project: WILLOWBROOK COUNTRY CLUB

Sampler (signature): [signature]

Turnaround Requested:

- ☐ Onsite/24-48 hrs.
- ☒ Offsite
- ☐ Other _____

(619) 676-0046 P

(619) 676-0150 F

Analysis Requested

Sample ID	Date	Time	Location	TPHg+d-8015M	TPHg-8015M (P&T)	BTEX-8020 - MTBE	TPHg/BTEX-8015M/8020	TRPH-418.1	8260 (VOC's-8240)	Matrix: Soil (S), Sludge (SL), Aqueous (W)	Number of containers
WCC-B1-1	8/19/97	0850	Boring B1 6-6.5'							S	1
WCC-B1-2	8/19/97	0857	Boring B1 11-11.5'							S	1
WCC-B1-3	8/19/97	0901	Boring B1 12.5-13'							S	1
WCC-B1-4	8/19/97	0906	Boring B1 14-14.5'							S	1
WCC-B1-5	8/19/97	0910	Boring B1 15-15.5'							S	1
WCC-B1-6	8/19/97	0915	Boring B1 16-16.5'							S	1
WCC-B1-7	8/19/97	0920	Boring B1 17.5-18'							S	1
WCC-B1-8	8/19/97	0924	Boring B1 19-19.5'							S	1
WCC-B1-9	8/19/97	0928	Boring B1 20.5-21'							S	1
WCC-B1-10	8/19/97	0932	Boring B1 22-22.5'							S	1
WCC-B1-11	8/19/97	0936	Boring B1 23.5-24'							S	1
WCC-B1-12	8/19/97	0942	Boring B1 25-25.5'	X						S	1
WCC-B1-13	8/19/97	0946	Boring B1 26.5-27'							S	1
WCC-B1-water	8/19/97	1045	BOREHOLE B1	X		X				W	4 VOA, 1-250
WCC-SP-1	8/19/97	1110	Stockpile	X						S	1

1. RELINQUISHED BY:	Date:	2. RELINQUISHED BY:	Date:	3. RELINQUISHED BY:	Date:
Signature: [signature]	8/19/97	Signature:*		Signature:*	
Printed Name: L. EMMITZER	Time:	Printed Name:	Time:	Printed Name:	Time:
Company: ENVIROMEGA	4:10 P	Company:		Company:	
1. RECEIVED BY:	Date:	**2. RECEIVED BY:**	Date:	**3. RECEIVED BY:**	Date:
Signature:* [signature]	8/19/97	Signature:*		Signature:*	
Printed Name: Becky Johnson	Time:	Printed Name:	Time:	Printed Name:	Time:
Company: MobileOne	4:10 P	Company:		Company:	

*Signature constitutes authorization to proceed with analysis and acceptance of conditions on back.

Sample Receipt

Intact: (Yes) No

Seal Intact: Yes No (N/A)

Cold: (Yes) No

N/A (Received on site)

Special Instructions

Confirm MTBE hits.

MOBILE ONE LABORATORIES INC.

CHAIN-OF-CUSTODY RECORD

MOL: EO77

Date: 8/19/97 Page 1 of 2

148 So. Vinewood Street, Escondido, CA 92029 (619) 735-3208 FAX (619) 735-2469
816 Church Street, San Francisco, CA 94114 (415) 920-9972 FAX (415) 920-9983

Client: EnviroOmega

Site Address: 1905 Riverside Dr

Project: Willowbrook; EOC-97-044

Sampler (signature):

Turnaround Requested:

- ☐ Onsite/24-48 hrs.
- ☒ Offsite
- ☐ Other

Analysis Requested

Sample ID	Date	Time	Location	TPHg+d-8015M	TPHg-8015M (P&T)	BTEX-8020	TPHg/BTEX-8015M/8020	TRPH-418.1	8260 (VOC's-8240)	Matrix: Soil (S), Sludge (SL), Aqueous (W)	Number of containers
WCC-SP-2	8/19/97	1115		X						S	5
WCC-SP-3	8/19/97	1120		X						S	5

1. RELINQUISHED BY:	Date:	2. RELINQUISHED BY:	Date:	3. RELINQUISHED BY:	Date:
Signature: C Eminhizer	8/19/97	Signature:*		Signature:*	
Printed Name: C. Eminhizer	Time: 4:10p	Printed Name:	Time:	Printed Name:	Time:
Company: EnviroOmega		Company:		Company:	
1. RECEIVED BY:	Date:	**2. RECEIVED BY:**	Date:	**3. RECEIVED BY:**	Date:
Signature:* K Holman	8/19/97	Signature:*		Signature:*	
Printed Name: K. Holman & Becky Johnson	Time: 4:10p	Printed Name:	Time:	Printed Name:	Time:
Company: Mobile One		Company:		Company:	

*Signature constitutes authorization to proceed with analysis and acceptance of conditions on back.

Sample Receipt

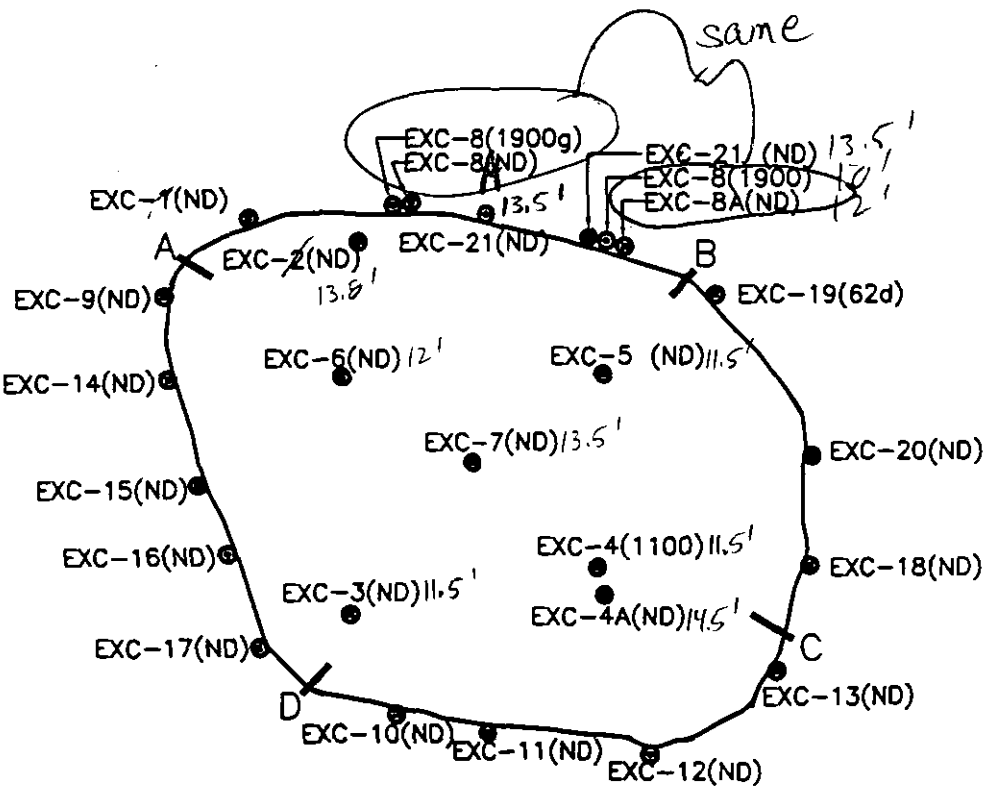
Intact: (Yes) No

Seal Intact: Yes No (N/A)

Cold: (Yes) No

N/A (Received on site)

Special Instructions

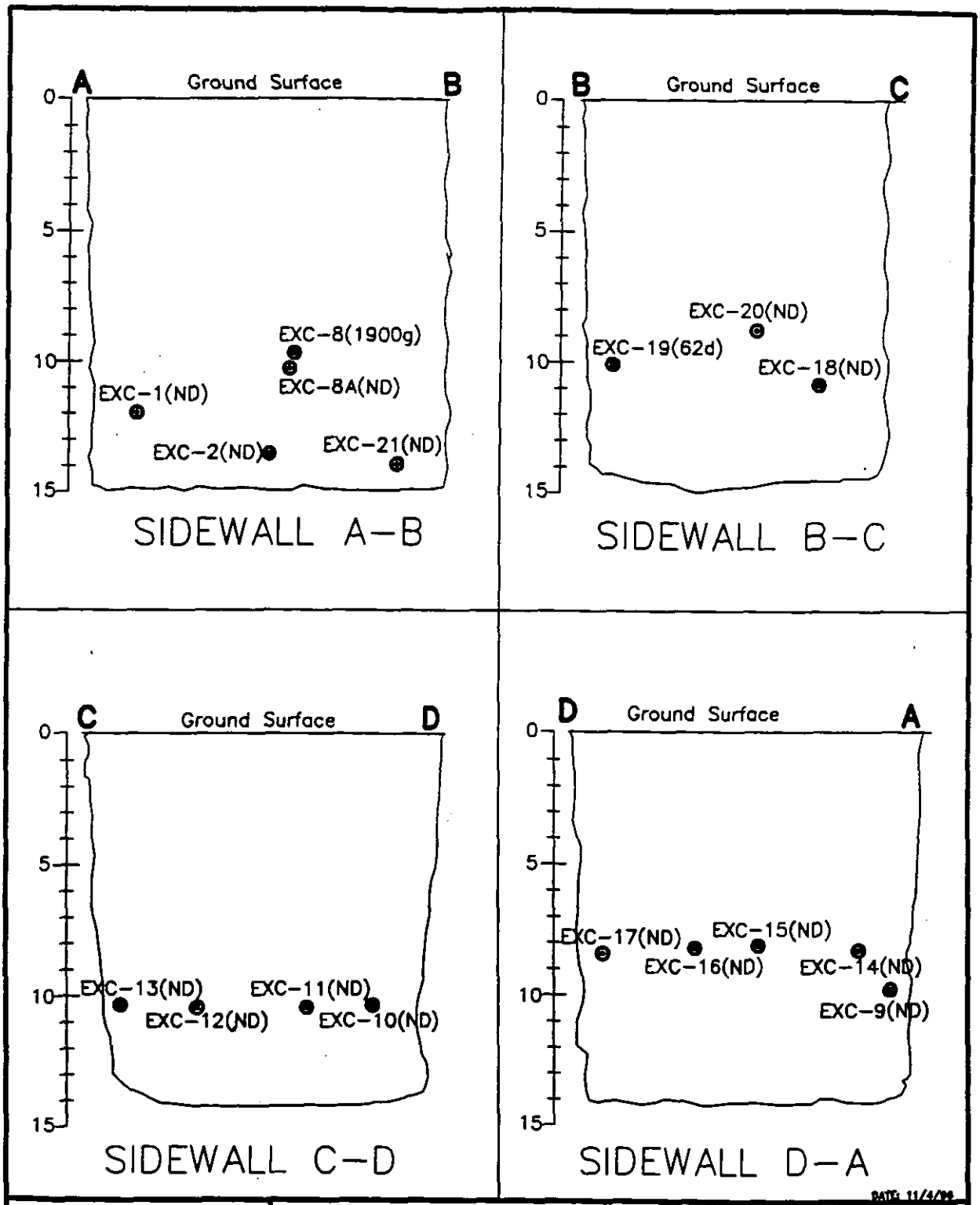


PLAN VIEW

SCALE: 1" = 5'

DATE: 11/4/96

MAXWELL Technologies	PROJECT NO. 40270-22 ENGINEER - G. SWANSON	FIGURE 3 PLAN VIEW



MAXWELL Technologies	PROJECT NO. 40270-22 ENGINEER - G. SWANSON	FIGURE 4 SIDEWALL PROFILES

EnvirOmega Consultants
16732 Palmero Drive
San Diego, California 92128
(619) 676-0046

August 1, 1997

County of San Diego
Department of Environmental Health
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, California 92186-5261

Attention: Ms. Marisue Crystal

Subject: **Transmittal - Hydropunch Advancement and Collection of Groundwater Samples**
Willowbrook Country Club
11905 Riverside Drive, Lakeside, California
Unauthorized Release No. T2542/H28485-001
EnvirOmega Consultants Project No. EOC-97-044

Ms. Crystal:

Pursuant to the San Diego County Code, Sections 67.440 and 67.421, and the California Department of Water Resources Bulletins 74-81 and 74-90, EnvirOmega Consultants (EOC) is enclosing herein a boring/well permit application for the advancement of 1 hydropunch boring with the collection of a groundwater sample at the subject site, located at 11905 Riverside Drive in Lakeside, California. The site is presented on the Vicinity Map, Figure 1. The proposed location of the hydropunch is presented on the Site Plan, Figure 2.

In 1993, one underground storage tank (UST) was removed from the site following regulatory procedures. During the UST removal a hole was observed on the bottom of the tank and the two soil samples collected and analyzed contained petroleum hydrocarbon concentrations above the regulatory level for a beneficial area (Willowbrook is located in beneficial groundwater use area). Based on the UST removal results, an unauthorized release was assigned to the site.

In 1994, Maxwell Laboratories, Inc., S-Cubed Division, performed assessment and mitigation services including the removal of approximately 125 cubic yards of soil. Groundwater was reportedly not encountered (to a depth of 14.5 feet below ground surface) during the excavation activities performed by S-Cubed. Following a review of the S-Cubed report by Mr. Martin Ortega and discussions between Mr. Ortega and myself about the site (previous services were performed by me while I was an employee of S-Cubed), Mr. Ortega agreed that a hydropunch would be adequate to provide groundwater quality information. Therefore, EOC plans on advancing one hydropunch boring downgradient of the former UST and collecting a groundwater sample.

The permit application including a check for the permit fee of $150.00 is enclosed. We are planning to advance the boring around August 14, 1997. Should you have any questions concerning the contents of this transmittal, or we may be of further service, please contact the undersigned at your convenience at (619) 676-0046.

Sincerely,

David A. Eminhizer
Environmental Scientist
EnvirOmega Consultants

enclosure(s) Figure 1, Vicinity Map
Figure 2, Site Plan
Well Permit Application

cc: Mr. Spero Tzathas

EnvirOmega Consultants
16732 Palmero Drive
San Diego, California 92128
(619) 676-0046

RECEIVED
JUL 11 3 08 PM '97
ENVIRONMENTAL
HEALTH SERVICES

July 11, 1997

County of San Diego
Department of Environmental Health
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, California 92186-5261

Attention: Mr. Martin Ortega

Subject: Work Plan for Limited Groundwater Assessment and Soil Stockpile Characterization Services
Willowbrook Country Club
11905 Riverside Drive, Lakeside, California
Unauthorized Release No. H28485-001/T2542
EOC Project No. EOC-97-044

Dear Mr. Ortega:

At the request of Mr. Spero Tzathas, representing the subject property, EnvirOmega Consultants (EOC) has prepared this brief work plan to provide limited groundwater assessment and soil stockpile characterization services for the property located at 11905 Riverside Drive in Lakeside, California. The location of the site is presented on the Vicinity Map, Figure 1.

Background

On January 26, 1993, a 1000-gallon underground storage tank (UST) was removed by Western Pump, Inc., following regulatory permitting procedures. During the UST removal, two soil samples were collected and analyzed for the presence of total petroleum hydrocarbons (TPH). The results of the two soil samples indicated gasoline was present under the UST at a concentration of 7200 milligrams per kilogram (mg/kg) and diesel was present at a concentration of 575 mg/kg. Upon receipt of the analytical results, the County of San Diego Department of Environmental Health Site Assessment and Mitigation Division (SAM) assigned UAR Case No. H28485-001/T2542 to the site.

In April 1994, the former Maxwell Laboratories, S-Cubed Division (S-Cubed) performed assessment and mitigation of petroleum hydrocarbon impacts in the area of the former tank excavation through the removal of soil. For a more detailed summary of the field activities, please refer to the "Underground Storage Tank Site Assessment Report" (dated January 3, 1997) prepared and submitted by Maxwell Technologies, Inc. (formerly S-Cubed). Approximately 125 cubic yards of soil was removed and placed into two soil stockpiles. Soil Stockpile 1 contained approximately 75 cubic yards of clean overburden soil that was statistically characterized and used as backfill in the excavation. Soil Stockpile 2 was placed in

a different area of the site and placed on and covered with plastic sheeting. This soil stockpile has not yet been characterized.

After soil was removed from the excavation, twenty-three soil samples were collected from the sidewalls and bottom of the excavation and analyzed for concentrations of TPH. Only three soil samples contained TPH concentrations above the detection limit of 10 mg/kg (110 mg/kg gasoline, 1900 mg/kg gasoline, and 62 mg/kg diesel) and were observed at depths ranging from 10 to 11.5 feet below ground surface (bgs). Additional soil was removed in the areas with the gasoline concentrations and two additional confirmation soil samples were collected in those two areas. The two additional soil samples did not contain TPH gasoline concentrations above the detection limit. The additional removal of soil in the area containing the diesel concentration was not required since the general cleanup level applied to the site is 100 mg/kg of TPH. Based on a review of the S-Cubed report, EOC concludes that all soil containing TPH concentrations exceeding the regulatory cleanup level for the site (100 mg/kg of TPH) was removed by S-Cubed.

Technical Approach

On May 28, 1997, Mr. David Eminhizer of EOC spoke with you concerning additional work required to obtain site closure for the Willowbrook site. It was indicated by you that potential groundwater impact was still an issue on the site since the site is located in a beneficial groundwater area with a general groundwater cleanup level of 1 microgram per liter (µg/L) of benzene and potential impact to the groundwater has not yet been assessed. Mr. Eminhizer suggested and you concurred with the advancement of one hydropunch downgradient of the excavation location, and the collection and analysis of a groundwater sample to determine whether hydrocarbon impact to the groundwater beneath the site has occurred. The proposed hydropunch location is presented on the Site Plan, Figure 2. During this conversation, you also indicated that Soil Stockpile 2 needs to be statistically characterized prior to obtaining site closure.

Scope of Services

EOC will provide limited environmental services on behalf of Willowbrook Country Club as detailed below.

<u>Task I - Prefield Activities</u>. These activities will be performed in preparation for the completion of the planned field activities.

- Prepare this work plan and provide consultation, including a review of the proposed work plan with the appropriate representatives of SAM and before beginning field activities. Since the field services detailed in this work plan are limited to the advancement of a single hydropunch, the collection and analysis of a groundwater sample, and the collection and analysis of several soil samples from a stockpile, the attached Community Health and Safety Plan is limited to a brief two page detail of pertinent information.

- Prepare a site specific Health and Safety Plan that identifies potential health and safety hazards anticipated during the performance of the field activities. The plan will be prepared before field activities begin and will be reviewed by all field personnel.

- Prepare and submit a boring permit application to SAM for the advancement of one hydropunch downgradient of the former excavation. The location proposed for the hydropunch boring is presented on the Site Plan, Figure 2.

- Notify Underground Service Alert, as required by law, and obtain a "ticket number" at least 48 hours prior to the commencement of field activities.

Task II - Perform One Hydropunch Boring. This effort will provide for the collection and analysis of a representative groundwater sample.

- Advance hollow-stem augers to intercept the groundwater surface and provide for the collection of a groundwater sample.

- Collect a groundwater sample from the hydropunch boring. The groundwater sample will be placed in laboratory prepared VOA vials, labeled, chilled, and delivered to a California certified laboratory following chain of custody procedures for analysis.

- Analyze the groundwater sample for the presence of TPH and benzene, toluene, ethylbenzene and xylenes (BTEX) using the DHS-TPH Method and EPA Method 8020, respectively. The groundwater sample will also be analyzed for the presence of methyl-t-butyl ether (MTBE) during the EPA Method 8020 analysis, and if detected, will be confirmed using a mass spectrometer.

Task III - Soil Stockpile Characterization. Soil stockpile 2, created by the S-Cubed excavation activities, will be statistically characterized.

- Characterize Soil Stockpile 2 according to the 1996-97 Site Assessment and Mitigation Manual. EOC will assist Willowbrook with the disposal of the stockpile, if necessary, but it is anticipated that given the length of time since the stockpile was generated, it is unlikely that measurable petroleum hydrocarbons concentrations remain in the soil .

Task IV - Preparation of the Limited Groundwater and Soil Stockpile Assessment Report. Following completion of Tasks I, II, and III, EOC will prepare a report that summarizes the results of the field activities and provides recommendations, as appropriate.

- Prepare and submit a letter to SAM detailing the hydropunch and soil stockpile characterization activities (including a boring log and laboratory data) in accordance with San Diego Well Ordinance No. 4286.

- Prepare and submit a report detailing the field activities and requesting regulatory closure of the site, if applicable, or provide recommendations for additional

environmental services. The report will follow the guidelines presented in the 1996/1997 SAM Manual and will conform to the regulatory requirements for assessing UARs and obtaining no further action required determinations.

- Provide consultation with the client and representatives of the regulatory agencies following completion of the field activities, if required. The purpose of the consultation will be to present the results obtained during the performance of the field activities.

PROJECT SCHEDULE

EOC intends to proceed with the project activities immediately following regulatory approval and comment on this work plan.

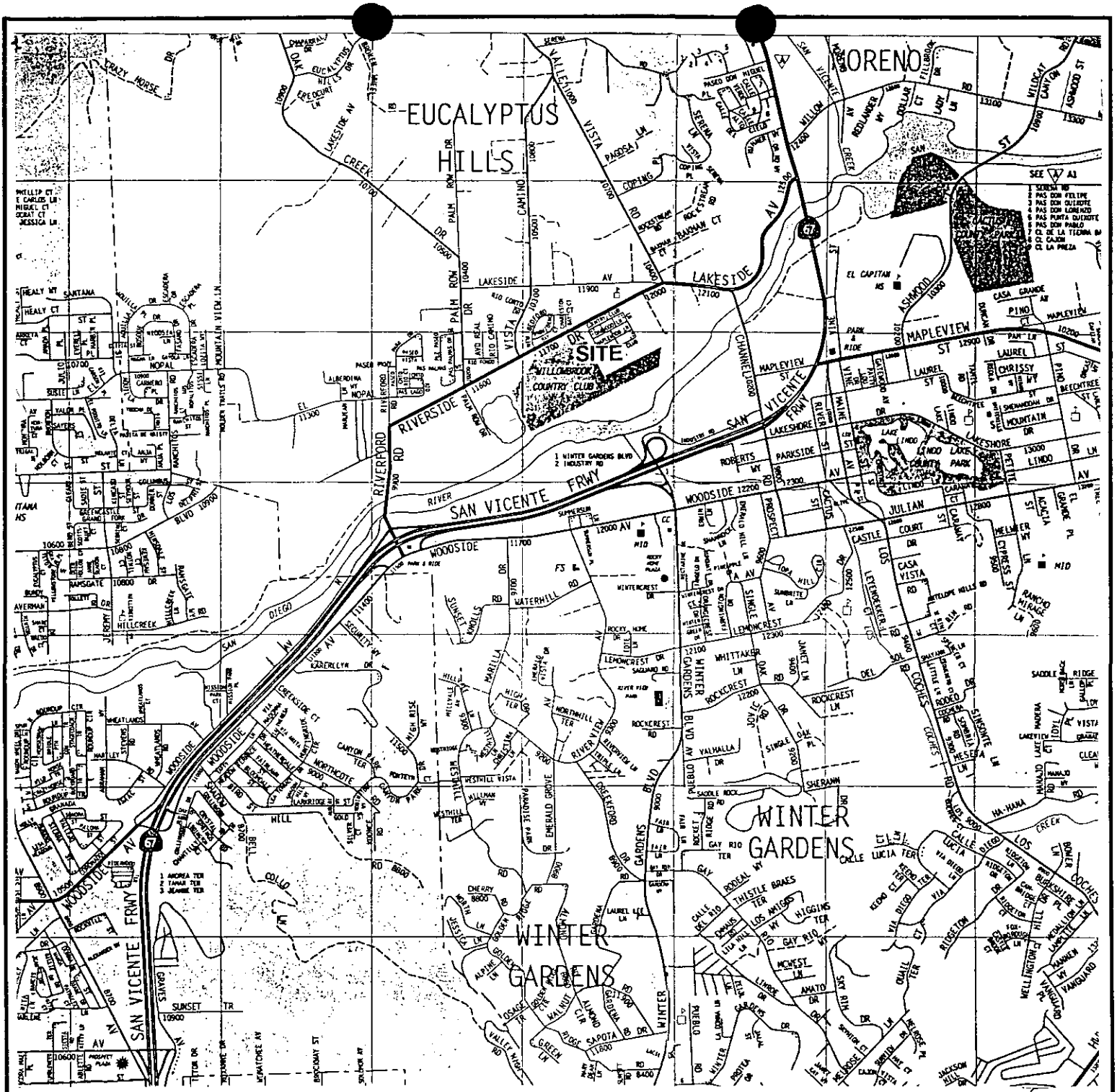
If there are any questions, please call David Eminhizer or myself at (619) 676-0046.

Sincerely,

Lisa Eminhizer
Environmental Scientist/Chemist
EnvirOmega Consultants

Attachments Vicinity Map, Figure 1
Site Plan, Figure 2
Community Health and Safety Plan

cc: Mr. Spero Tzathas, Willowbrook Country Club

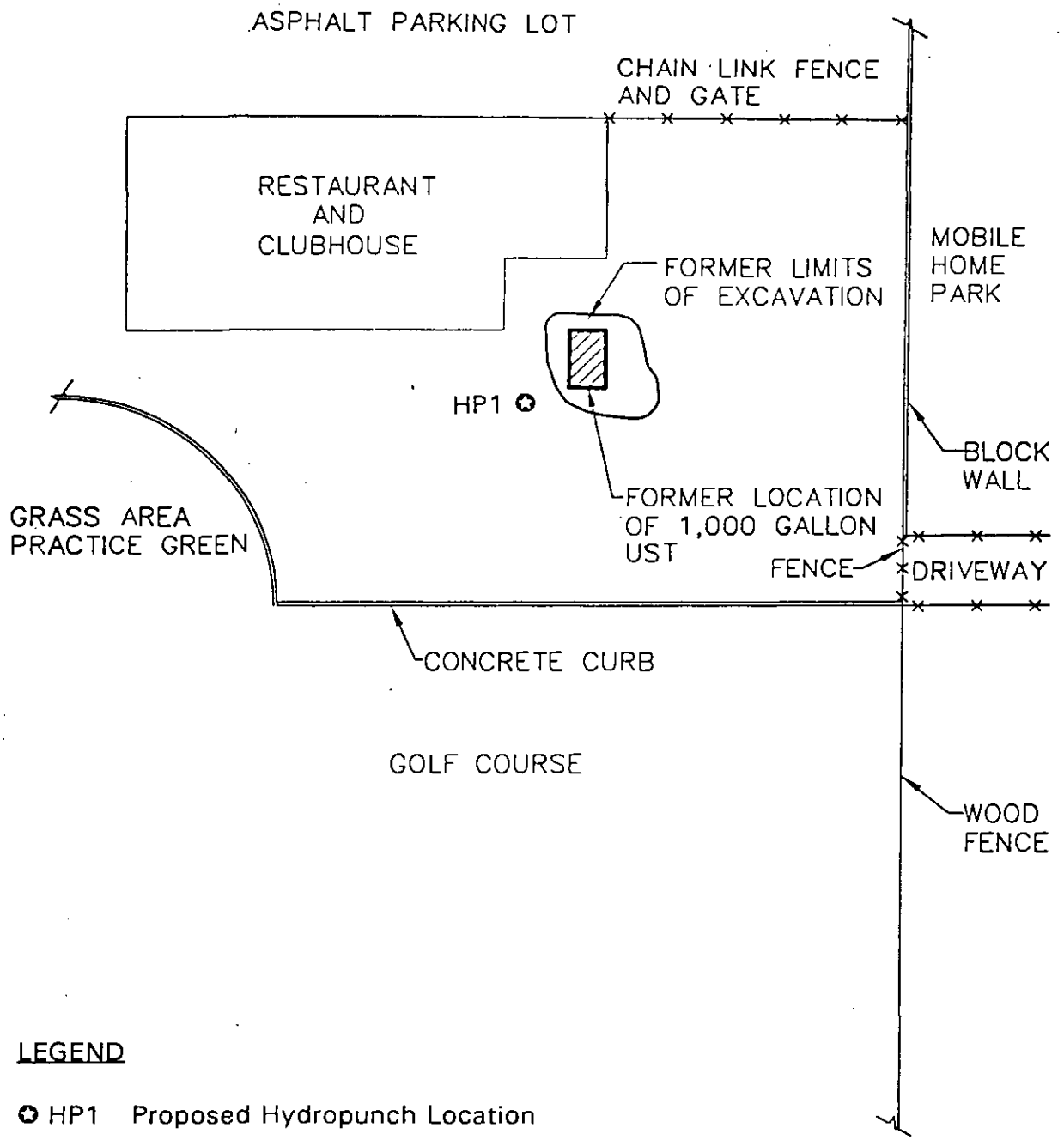


EnvirOmega Consultants

VICINITY MAP
FIGURE 1

PROJECT NO. EOC-97-044

WILLOWBROOK COUNTRY CLUB
11905 Riverside Drive
Lakeside, California



LEGEND

HP1 Proposed Hydropunch Location

Source: Maxwell Technologies (Formerly S-Cubed) Underground Storage Tank Site Assessment Report

Scale: 1" = 20'

N

EnvirOmega Consultants

SITE PLAN
FIGURE 2

PROJECT NO. EOC-97-044

WILLOWBROOK COUNTRY CLUB
11905 Riverside Drive
Lakeside, California

COMMUNITY HEALTH AND SAFETY PLAN
FOR
WILLOWBROOK COUNTRY CLUB
LAKESIDE, CALIFORNIA

Prepared by

ENVIROMEGA CONSULTANTS
16732 Palmero Drive
San Diego, CA 92128

July 1997

WILLOWBROOK COUNTRY CLUB
11905 RIVERSIDE DRIVE, LAKESIDE, CALIFORNIA

EMERGENCY NOTIFICATION REFERENCE

Emergency Response - Fire/Police/Ambulance **911**

Hospital - Scripps Hospital East, El Cajon ..... **(619) 440-1122**

Address: 1688 E. Main Street, El Cajon, California
Directions: Turn left on to Riverside Drive ; left on Riverford Drive to Highway 67 south; continue on Highway 67 to Interstate 8; take Interstate 8 east to Greenfield Drive; take Greenfield Drive north to E. Main Street. Hospital will be at the corner of E. Main Street and Greenfield Drive.

Poison Control Center **543-6000**
1-800-876-4766

County of San Diego Dept. of Health Services
Site Assessment and Mitigation Division (SAM) ..... **(619) 338-2222**
Martin Ortega, SAM Specialist ..... **(619) 338-2241**

Client - Willowbrook Country Club
Attn: Mr. Spero Tzathas ..... **(619) 561-1061**

Operations
EnvirOmega Consultants (EOC)
Dave Eminhizer, Environmental Scientist ..... **(619) 676-0046**

Standard Procedure for Reporting Emergencies

Provide the following information when calling for assistance in an emergency situation:

1. Name, phone number and location of person making call.
2. Number of person(s) exposed or injured.
3. Nature of emergency.
4. Actions already taken.
5. Remain on the phone unless instructed otherwise.

INTRODUCTION

This Community Health and Safety Plan has been developed specifically for the groundwater assessment and soil stockpile characterization activities to be performed on the Willowbrook Country Club facility in Lakeside, California. It addresses potential public health concerns and provides guidelines to reduce the potential for exposures and/or injuries to the surrounding public from the activities to be performed at the subject site. The provisions in this plan are based upon information contained within documents provided to EnvirOmega Consultants by Mr. Spero Tzathas, representing Willowbrook Country Club.

SITE LOCATION

The project site, a country club with a golf course, is located at 11905 Riverside Drive in Lakeside, California. The location of the site is provided on the Vicinity Map, Figure No. 1, of the work plan.

DESCRIPTION OF ACTIVITIES

The activities to be performed on this project consist of the following:

(1) Advancement of one hydropunch downgradient of the former tank excavation location. There is no suspected risk to public health when performing this task.

(2) Collection and analysis of a groundwater sample from the hydropunch hole. There is no risk to public health created by performing this task.

(3) Collection of soil samples from Soil Stockpile 2 created during the overexcavation performed in 1994. There is no risk to public health created by this task.

POTENTIAL ENVIRONMENTAL EFFECTS

Potential chemical, physical, and operational hazards identified by EOC and described in this document are not anticipated to cause any unsafe or unhealthy environmental effects to the public.

LIMITED PUBLIC NOTIFICATION

The limited public notification program will consist of informing the employees of the facility and the customers using the facility located at 110905 Riverside Drive in Lakeside, California. The advancement of a hydropunch boring, the collection and analysis of a groundwater sample, and the collection of soil stockpile samples, should not present any risk to facility employees or customers or to others located on the adjacent properties.

Alpha
INVESTMENTS

WILLOWBROOK COUNTRY CLUB DIVISION
11905 RIVERSIDE DRIVE
LAKESIDE, CALIFORNIA 92040
PHONE (619) 561-1061

June 27, 1997

County of San Diego
Department of Environmental Health
P.O. Box 85261
San Diego, Ca. 92186-5261
ATTN: MARTIN ORTEGA

Ref.: Willowbrook Country Club
Case #H28485-001

Dear Mr. Ortega:

I am requesting a 30 day extension to the June 28, 1997 deadline for a workplan to be submitted as described on your June 3, 1997 letter.

The additional time is requested for the following reasons:

1. We have not had any response to our phone calls to Gregory Swanson with Maxwell S-Cubed Division.

2. We have been in contact with David A. Eminhizer, (formerly with Maxwell S-Cubed) he did the assessment/mitigation work. David now is with EnviroOmega. We need the extra time to review his estimate/proposal which we received on June 21st.

I would like to thank you in advance for being so helpful. If you have any questions, please feel free to call me at (619) 561-1061 ext. 12.

Sincerely,

Spero Tzathas

Maxwell TECHNOLOGIES
Federal Division

8888 Balboa Avenue, San Diego, CA 92123-1506

JAN 07 1997

January 3, 1997

S-Cubed Project No. 40292-14

Willowbrook Country Club
11905 Riverside Drive
Lakeside, CA 92040

Attention: Mr. Spero Tzathas

Subject: Report of Environmental Engineering/Assessment Services
Unauthorized Release Case No. T2542/H28485-001
Underground Storage Tank (UST) Assessment Report

Dear Mr. Tzathas:

Maxwell Technologies, Inc. (Formerly S-Cubed Division of Maxwell Laboratories, Inc.) has performed environmental engineering services as described in the attached report for the site located at 11905 Riverside Drive in Lakeside, California.

The attached report summarizes the results of the field activities performed by Maxwell and provides information addressing the unauthorized release (UAR) of petroleum hydrocarbons reported for the subject site (Unauthorized Release Case No. T2542/H28485-001). During the removal of one UST from the property, a release of hydrocarbons was observed to have occurred and a hole was present in the steel UST. Maxwell assessed and mitigated the apparent extent of the impact of petroleum hydrocarbons to the soil at the site resulting from this release, characterized stockpiled soil, and received regulatory approval to backfill the excavation with the excavated soil (backfilling has been completed) from Soil Stockpile No. 1. The ground surface has been restored to original condition by paving the surface with asphaltic concrete.

Details of the assessment and limited mitigation activities performed at the site are in the following report. We have also included recommendations already discussed with regulatory representatives as to what limited additional services will be required to complete the assessment at the site and move toward a site closure. We anticipate that these additional services could be completed in a relatively short time frame depending on the response of the regulatory agencies (potentially a few months).

If we may be of further service, please contact the undersigned at your convenience at (619) 496-4173.

Sincerely,

Gregory R. Swanson
Registered Civil Engineer No. 040117

Enclosure: Underground Storage Tank Assessment Report

cc: Regional Water Quality Control Board
Mr. Dave Berquist, Department of Health Services

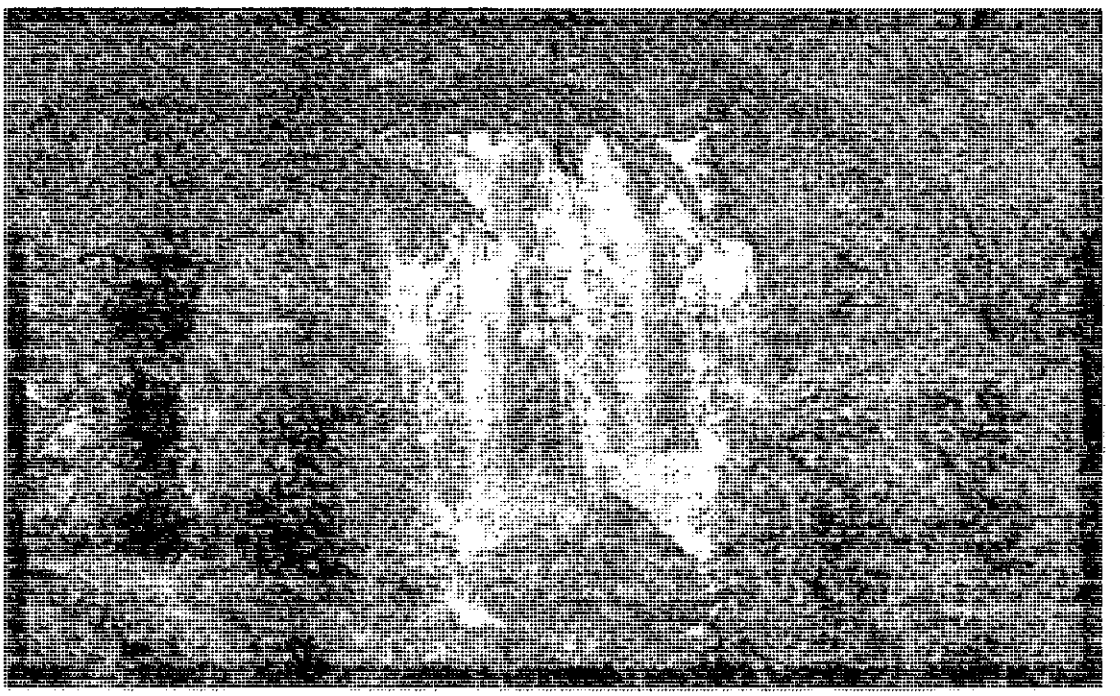
MAXWELL
S-CUBED Division

Underground Storage Tank Site Assessment Report Willowbrook Country Club 11905 Riverside Drive Lakeside, California

Unauthorized Release No. T2542/H28485-001

Prepared for

Willowbrook Country Club
11905 Riverside Drive
Lakeside, CA 92040



Environmental Engineering Group

JAN 07 1997

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A APPROVED WORK PLAN & CLOSURE REPORT
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1.0 INTRODUCTION

At the request of Mr. Spero Tzathas, representing Willowbrook Country Club, Maxwell Federal Division, Inc. (Formerly S-Cubed) has provided environmental assessment and mitigation services relating to the Unauthorized Release (UAR) reported for Willowbrook Country Club.

On January 26, 1993, an Underground Storage Tank (UST) was removed from the site. A representative of the San Diego County Department of Environmental Health - Site Assessment and Mitigation Division (SAM) observed and documented the removal. At the time of the removal, the SAM representative observed a hole in the tank and strong gasoline odors emanating from the excavation, which prompted the assignment of UAR Case No. T2542/H28485-001 to the site.

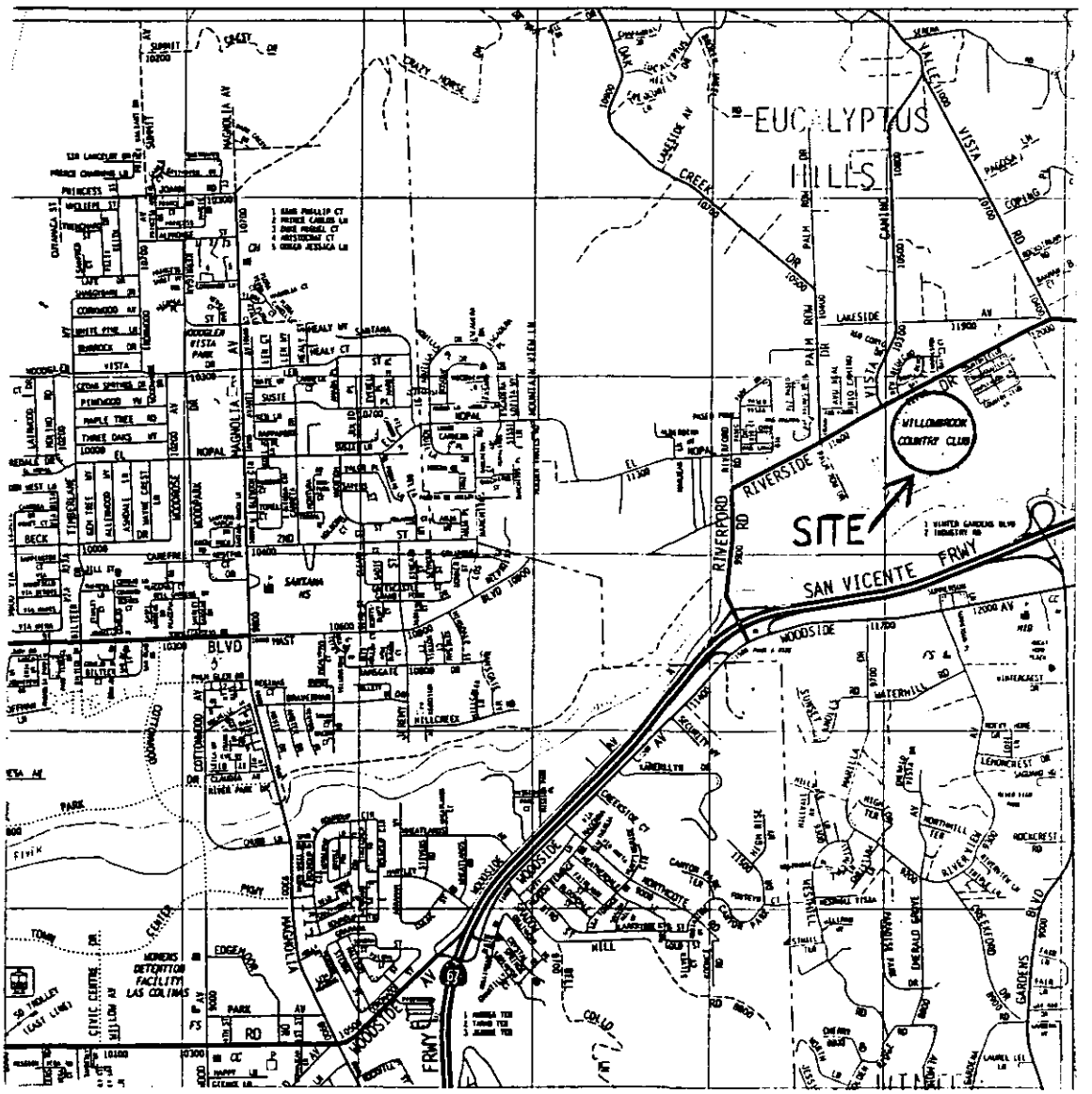
1.1 Site Location

Willowbrook Country Club is located in Lakeside at 11905 Riverside Drive. The subject site currently operates a golf course and lunchroom facility. The golf course formerly used gasoline powered golf carts, but converted to electric powered golf carts and discontinued the use of the UST. Surrounding the subject site are residences that include a mobile home park that bounds the property to the east, single family residences bound the property to the north, a vacant lot bounds the property to the west, and the San Diego river flows along the southern boundary of the site, at least a quarter-mile from the former location of the UST. The approximate location of the subject site is presented on the Vicinity Map, Figure No. 1.

1.2 Background Summary

According to information provided to representatives of Maxwell by Mr. Tzathas, Western Pump Inc., the tank removal contractor, removed one 1000-gallon UST (as indicated on the tank removal report) from the site on January 26, 1993. Please note that previously prepared documentation concerning the UST had incorrectly referred to the UST as having a capacity of 550 gallons. Mr. Robert Rapista, a specialist with SAM was present on the site during the UST removal and prepared an "Underground Tank Removal/Closure Report" documenting his observations. A review of the report indicated that "a one inch diameter hole was observed on the bottom of the western portion of the tank" and that "strong gasoline odors" were emanating from the excavation. Additional information contained in the report indicated that the manager of Willowbrook Country Club stated that the tank had been removed from service on January 1, 1993.

Two soil samples were collected by the tank removal contractor and submitted to Quality Assurance Laboratory, formerly of San Diego, for analysis. A review of a copy of the preliminary laboratory data indicated that the soil samples contained total petroleum hydrocarbon (TPH) concentrations of 7,200 milligrams/kilogram (mg/kg) and 575 mg/kg quantified as gasoline and diesel fuel, respectively. In response to the results of the



REF: 1996 San Diego County Thomas Brothers Guide Poge 1211

DATE: 11/4/98

MAXWELL Technologies	PROJECT NO. 40270-22 ENGINEER - G. SWANSON	FIGURE 1 VICINITY MAP

laboratory testing, a UAR was reported for the subject site and a UAR Case Number was assigned to the release. A copy of the Underground Tank Removal/Closure Report is provided in Appendix A.

2.0 SCOPE OF SERVICES

On August 19, 1993, Maxwell submitted to Mr. Dave Berquist, SAM specialist assigned to the site, a "Work Plan for Environmental Assessment and Mitigation". In a letter dated September 30, 1993, Mr. Berquist approved the work plan with the condition that borings and wells be excavated and installed after the completion of the mitigation effort and that soil and groundwater samples be collected and analyzed. Maxwell performed the assessment and mitigation services as outlined in the work plan, but, based on the results of the field activities as detailed below, recommends that no further assessment services be performed on the site. Copies of the work plan and approval letter are provided in Appendix A.

2.1 Summary of Technical Approach

A review of the Comprehensive Water Quality Control Plan indicates that the subject site is located in the El Cajon Hydrographic Area of the Lower San Diego Hydrographic Subunit of the San Diego Hydrologic Unit. The report also noted that the subject property is located in a beneficial groundwater use area (as defined by the Regional Water Quality Control Board). Previously the soil cleanup level for TPH for sites located in beneficial groundwater use areas was less than 100 mg/kg; however, cleanup for sites is now determined on a site specific basis. Additionally, the cleanup level for TPH in water in a beneficial groundwater use area is 1 microgram per liter (µg/L) of benzene. This was subsequently confirmed by Mr. Dave Berquist, the SAM specialist assigned to the case.

Based on the information summarized above, it was the understanding of Maxwell that Mr. Tzathas' primary objective was to pursue assessment and mitigation such that a "corrective action plan" could be formulated, or regulatory site closure obtained, whichever was appropriate following the completion of the field activities.

Following conversations with Mr. Berquist, Maxwell submitted a work plan proposing the assessment and mitigation of potential hydrocarbon impacts to soil at the site by the excavation of soil and the completion of confirmation soil sample collection and analysis. The soil samples collected by Maxwell from the excavation were analyzed for total petroleum hydrocarbons (TPH), and benzene, toluene, ethylbenzene, and xylenes (BTEX). Excavated soil was reused as excavation backfill or was stored on site for disposition by the client. Maxwell coordinated with Angus Asphalt, the excavation contractor hired by Willowbrook Country Club as was needed to complete the field activities. A copy of the approved work plan is presented in Appendix A.

2.2 Services Provided

The following tasks detail the individual services provided by Maxwell on behalf of Willowbrook Country Club.

2.2.1 Prefield Activities

These activities were prior to beginning field activities.

- Reviewed the work plan with the appropriate representatives of SAM and the San Diego Regional Water Quality Control Board (RWQCB) prior to the commencement of field activities. The work plan proposed a scope of services and included a "Community Health and Safety Plan". A copy of the work plan is presented in Appendix A.

- Prepared a site-specific health and safety plan that identified potential health and safety hazards anticipated during the performance of the field activities. The plan was prepared prior to the commencement of field activities and was reviewed by all field personnel.

- Notified Underground Service Alert, as required by law, and obtained a "Ticket Number" at least 48 hours prior to commencement of the scheduled field activities. This task was performed by Angus Asphalt.

- Notified the appropriate regulatory representatives of the intended times to perform the field activities.

2.2.2 Excavation and Soil Sampling Activities

These activities were performed during the field activities.

- Angus Asphalt excavated soil from the former tank location in areas identified by Maxwell as suspected of possessing TPH concentrations in excess of the general cleanup levels likely to be applied to the site by the regulatory agencies. As indicated previously, the regulatory action level that may be established for the site would be 100 mg/kg TPH in soil.

- Collected soil samples from representative areas of the excavation during the performance of the field activities. The soil samples were analyzed by an on site California Department of Health Services certified mobile laboratory for the presence of TPH using the DHS TPH method. The results of the laboratory analysis were used to guide additional excavation activities and provide analytical confirmation of the possible extent of hydrocarbon impact to the soil. In addition, two excavation soil samples were analyzed for the presence of BTEX by EPA Method 8020.

  Quality assurance/control procedures were followed during the excavation and soil sampling activities. Soil samples were placed in laboratory prepared containers and transported to an on site mobile laboratory for analytical testing. Chain-of-custody documentation was provided for the soil samples.

- Segregated the soil removed during the excavation activities. The soil was segregated according to origin and by estimates of TPH concentrations. The soil was stockpiled on-site and placed on, and covered with, Visqueen in accordance with regulatory protocol. Soil generally possessing TPH concentrations of <100 mg/kg was placed onto Soil Stockpile No. 1 while soil generally possessing TPH concentrations of >100 mg/kg was placed onto Soil Stockpile No. 2. A total of three soil samples were collected from Soil Stockpile No. 1. In addition, one soil sample from Stockpile No.1 was analyzed for BTEX.

- Performed vapor headspace surveys on soil samples collected from the excavation. An organic vapor analyzer was used to attempt to obtain indicators of the presence of petroleum hydrocarbons.

- Provided health and safety monitoring during the excavation activities.

- Backfilled the excavation with the soil from Soil Stockpile No. 1 and imported gravel, and replaced the asphalt at the ground surface (Angus Asphalt replaced the asphalt).

2.2.3 Report Preparation.

The following tasks were part of the report preparation.

- Prepared this report summarizing the results of the field activities. The report follows the guidelines presented in the 1996 SA/M manual and conforms to the regulatory requirements for assessing UARs and obtaining site closures.

- Provided consultation with the client and representatives of the regulatory agencies following completion of the field activities. The purpose of the consultation was to present the results obtained during the performance of the field activities.

3.0 ASSESSMENT AND MITIGATION

Following completion of the prefield activities, preparations were made to begin excavation activities at the site on April 5, 1994. "Underground Service Alert" was notified of the intent to dig at the site, with representatives of the various affected utilities visiting the site and performing a "markout" prior to initiation of the excavation activities. With concurrence from SAM and in accordance with the approved "Work Plan" (including the conditions), excavation in the area of the former UST location commenced on April 5, 1994

In an attempt to provide a detailed description of the field activities performed by Maxwell, the excavation activities are presented in chronological order. Additionally, a summary of the TPH results is presented in Table 1, with copies of the analytical data presented in Appendix B.

3.1 Field Activities

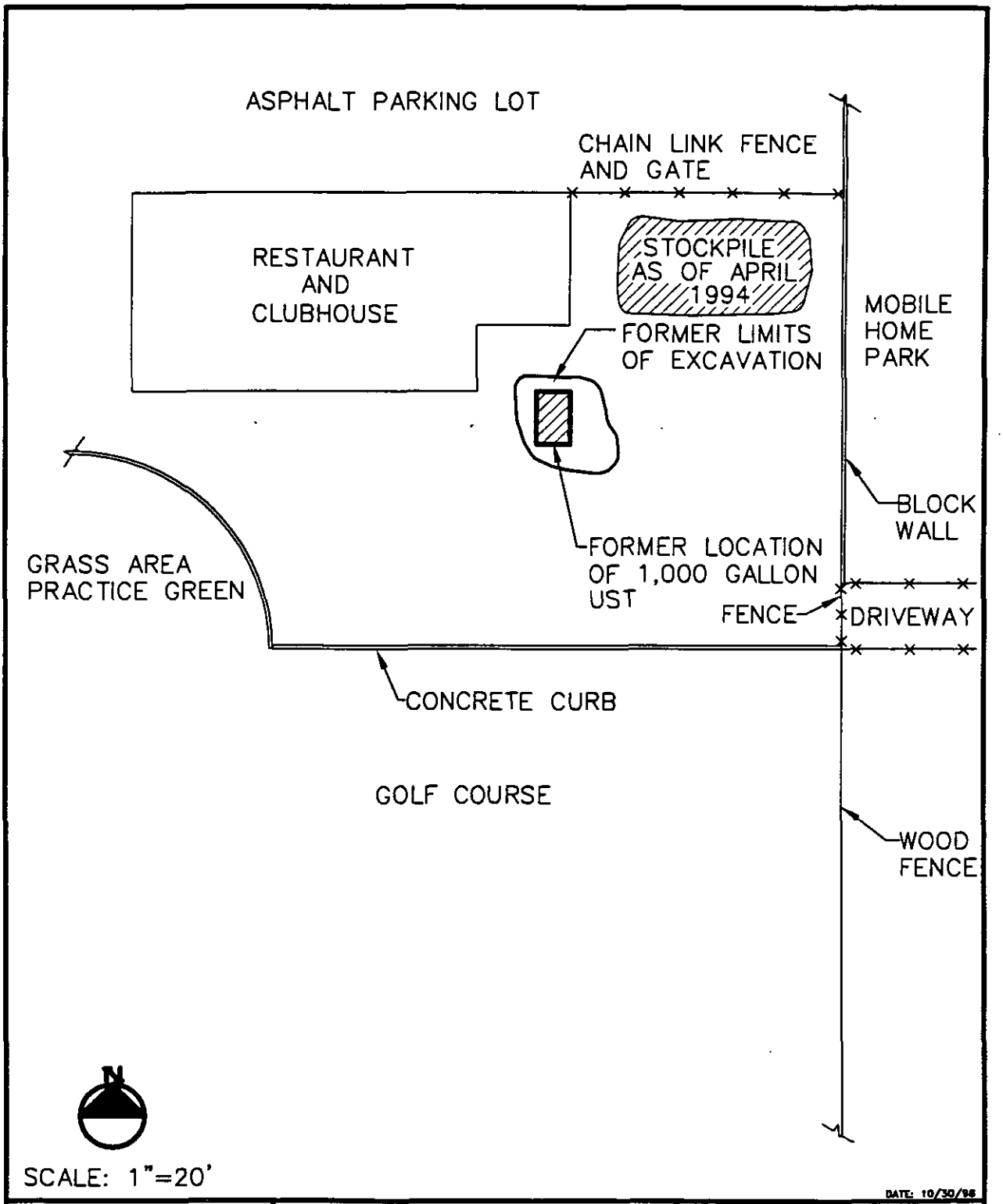
Tuesday, April 5, 1994. Representatives of Angus Asphalt and Maxwell met on the subject site on the morning of April 5, 1994. Maxwell personnel performed a survey of the area in an attempt to identify potential subsurface anomalies that could present a safety hazard. There were no indicators observed, and no markings were present from the utility locators that suggested subsurface utilities would be encountered during the performance of the field activities. Following this survey, a Maxwell representative presented and explained, to the field personnel, the site specific health and safety plan prepared by Maxwell. Additionally, the project goals were conveyed to the field personnel at this time.

The location of the former UST, which stored diesel in the past years and more recently gasoline, was identified to be located just outside the restaurant/pro shop located on the eastern end of the property. The approximate location of the former UST is depicted on the Site Plan, Figure No. 2.

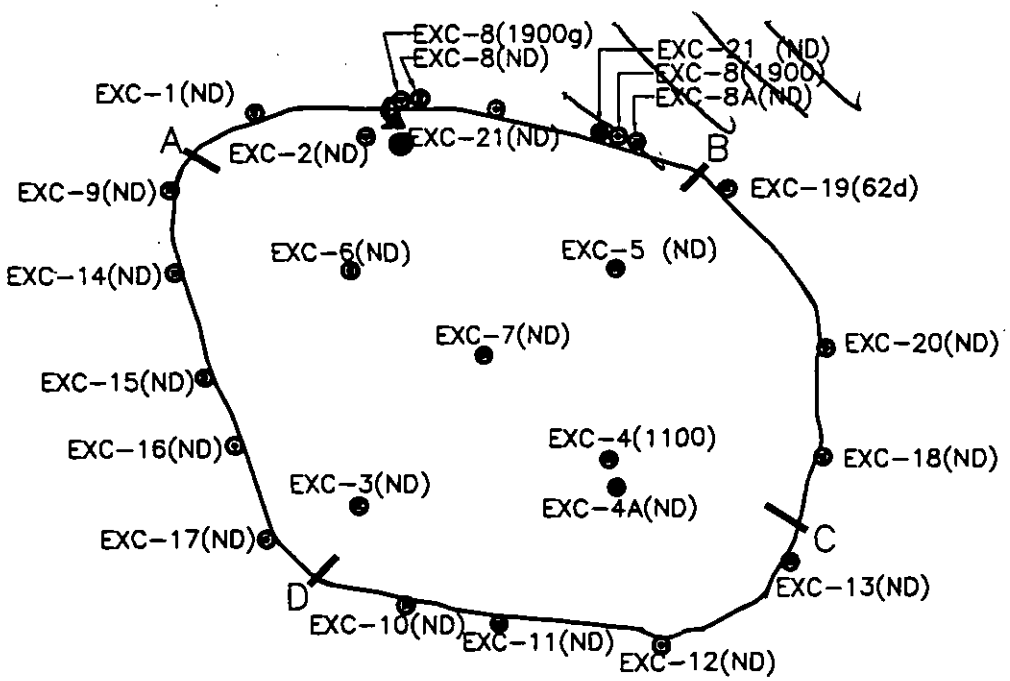
Excavation activities began with the removal of overburden soil from the western area of the former UST location, which was located just outside the eastern entrance to the club restaurant, and continued to the east and south. Clean overburden soil was removed from the excavation to an approximate depth of 8 feet below ground surface (bgs) and placed onto Soil Stockpile No.1. The excavated soil consisted of a few feet of clayey sand fill underlain by fine to coarse sand with some clay. The loose, sandy, soils sloughed into the excavation as the soil removal continued.

Soil potentially contaminated with petroleum hydrocarbons was excavated to a depth of approximately 11.0 feet bgs on the western end of the excavation with soil sample WCC-EXC-1 (TPH <10 mg/kg) collected from the bottom of the sidewall at a depth of 11.5 feet bgs. As soil removal was extended to the east, along the northern boundary of the excavation, the depth of the excavation was extended to a depth of 13.5 feet bgs. Soil sample WCC-EXC-2 (TPH <10 mg/kg) was collected from a depth of approximately 14.0 feet bgs, a few feet east and south of soil sample WCC-EXC-1. The removal of soil continued a total distance of approximately 18 feet to the east and 16 feet to the south. The depth of the excavation ranged from approximately 11.0 feet to 13.0 feet bgs, depending on the presence of petroleum hydrocarbon contamination in the soil. Soil samples WCC-EXC-3 (TPH <10 mg/kg), WCC-EXC-4 (TPH 110 mg/kg), (TPH <10 mg/kg), WCC-EXC-5 (TPH <10 mg/kg), WCC-EXC-6 (TPH <10 mg/kg), and WCC-EXC-7 (TPH <10 mg/kg) were collected across the bottom of the excavation as detailed on Figure 3, Plan View) and at the depths indicated on Table 1. An additional 3 feet of soil was removed from the bottom of the excavation at the location of soil sample WCC-EXC-4 with soil sample WCC-EXC-4A (TPH <10 mg/kg) collected from a depth of approximately 14.5 feet bgs. The soil potentially impacted with petroleum hydrocarbons was placed onto Soil Stockpile No. 2.

Following the collection of the bottom soil samples, EXC-1 through EXC-7, sidewall samples, EXC-8 through EXC-20, were collected from two levels on the sidewalls; approximately 8.5 feet and 10.5 feet bgs. The confirmation soil sampling was performed in this manner



MAXWELL Technologies	PROJECT NO. 40270-22 ENGINEER - G. SWANSON	FIGURE 2 SITE PLAN



PLAN VIEW

N

SCALE: 1" = 5'

DATE: 11/4/96

MAXWELL Technologies	PROJECT NO. 40270-22 ENGINEER - G. SWANSON	FIGURE 3 PLAN VIEW

for two reasons. First, the bottom of the UST was reportedly located at approximately 8-9 feet bgs, a depth addressed by the collection of soil samples at the 8.5 feet bgs. Second, soil samples collected from a depth of approximately 10.5 feet bgs would aid in estimating whether lateral spread of the contamination had occurred beneath the UST. The presence of loose, sandy soil suggests that the migration of petroleum hydrocarbons at the site would likely be vertical, with little lateral spread.

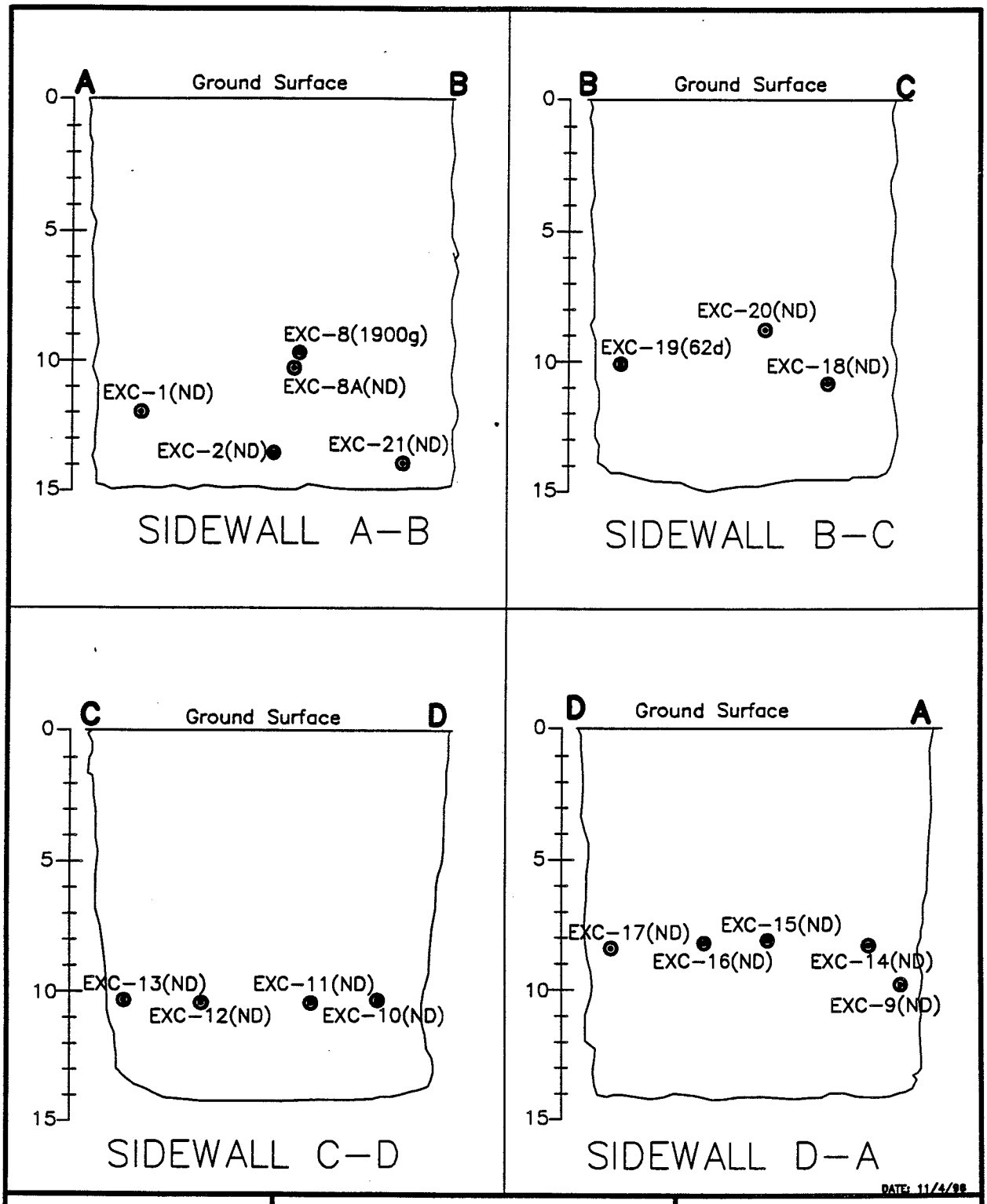
The north sidewall of the excavation was extended a few feet to the north, with soil sample WCC-EXC-8 (TPH 1900 gasoline) collected from the sidewall at a depth of 10.0 feet bgs, as depicted on Figure 3. Soil sampling continued along the west sidewall with soil sample WCC-EXC-9 (TPH <10 mg/kg) collected from a depth of 10.0 feet bgs, a few feet south of the location of soil sample WCC-EXC-1. Three soil samples; WCC-EXC-10 (TPH <10 mg/kg), WCC-EXC-11 (TPH <10 mg/kg), and WCC-EXC-12 (TPH <10 mg/kg) were collected from the south sidewall at a depth of 10.5 feet bgs, as depicted on Figure 4, Sidewall Profiles. Since concentrations of TPH were not detected in the soil samples collected at the base of the south sidewall, soil removal was discontinued in this direction.

Five soil samples; WCC-EXC-13 (TPH <10 mg/kg), WCC-EXC-14 (TPH <10 mg/kg), WCC-EXC-15 (TPH <10 mg/kg), WCC-EXC-16 (TPH <10 mg/kg), and WCC-EXC-17 (TPH <10 mg/kg) were collected from the west sidewall at a depth of 8.5 feet bgs, as depicted on Figure 4, Sidewall Profiles. Since concentrations of TPH were not detected in the soil samples collected at the base of the east sidewall, soil removal was discontinued in this direction.

Two soil samples; WCC-EXC-18 (TPH <10 mg/kg diesel) and WCC-EXC-19 (TPH 62 mg/kg diesel) were collected from the east sidewall at a depth of 10.5 feet bgs, as depicted on Figure 4, Sidewall Profiles. A third soil sample, WCC-EXC-20 (TPH <10 mg/kg) was collected from the east sidewall at a depth of 8.5 feet bgs. Only one soil sample collected from the east sidewall possessed a detectable concentration of TPH (62 mg/kg diesel); therefore, a few cubic yards of additional soil was removed from the area of soil sample WCC-EXC-19. Due to the low TPH concentration in the sample, an additional soil sample was not collected from this area. Since concentrations of TPH were not detected in the other soil samples collected at the base of the east sidewall, soil removal was discontinued in this direction.

A summary of the TPH laboratory results for the excavation soil samples is presented in Table 1, with BTEX results presented in Table 2. Copies of the laboratory data sheets are presented in Appendix B.

Following the collection of the twenty-one soil samples, gravel was imported and placed in the north side of the excavation to stabilize the sidewall and prevent additional sidewall sloughing. Due to the sloughing material present in the excavation, the gravel was necessary to ensure the stability of the building until the resumption of the excavation activities on Wednesday, April 6, 1994.



MAXWELL Technologies	PROJECT NO. 40270-22 ENGINEER - G. SWANSON	FIGURE 4 SIDEWALL PROFILES

Wednesday, April 6, 1994. Gravel was pulled from the north sidewall of the excavation and excavation activities resumed with the removal of several feet of additional soil from the northern sidewall of the excavation. The soil was removed in the area where sample WCC-EXC-8 (TPH 1900 mg/kg, gasoline) was collected and where hydrocarbon impact was detected the previous day. Soil sample WCC-EXC-8A, collected from approximately three feet behind and to the north of the location of soil sample WCC-EXC-8, did not possess detectable concentrations of petroleum hydrocarbons. Additional soil was also excavated to approximately three feet east of the locations of soil samples WCC-EXC-8 and WCC-EXC-8A, where soil sample WCC-EXC-21 was collected from an approximate depth of 13.5 feet bgs. Soil sample WCC-EXC-21 did not exhibit a detectable TPH concentration.

Maxwell ended the excavation of soil on the site with no groundwater detected during the performance of the field activities. The collection and analysis of soil samples from the sidewalls and bottom of the excavation confirmed that soil possessing detectable concentrations of TPH were removed from the site and that further soil mitigation was unnecessary.

Stockpile sampling and analysis of the clean overburden Soil Stockpile No.1 was performed on site on this day as detailed in the following section. The three soil samples collected from the soil stockpile and analyzed for TPH did not contain detectable TPH concentrations. Analysis of one soil sample for BTEX indicated that concentrations of BTEX were not present in the soil sample.

Angus Asphalt completed the backfilling of the excavation with imported gravel to a depth of approximately eight feet bgs, covered the gravel with filter fabric, and finished backfilling the excavation with the soil from Stockpile No.1. Asphaltic concrete was placed over the excavation at the ground surface.

4.0 SOIL STOCKPILE DISPOSITION AND SAMPLING

The soil excavated at the site during the time period encompassing April 5 and 6, 1994, was segregated and placed into two stockpiles, Soil Stockpile No.1 and Soil Stockpile No. 2. Soil Stockpile No. 1 (approximately 75 cubic yards) contained soil that possessed an estimated average TPH concentration below 100 mg/kg and Soil Stockpile No. 2 (approximately 50 cubic yards) contained soil that generally possessed an average TPH concentration of above 100 mg/kg, the general regulatory level for TPH in soil in beneficial groundwater use areas.

To characterize the soil present in Soil Stockpile No. 1, a sampling plan was developed as presented below. The plan was developed utilizing both Federal I(SW-846) and SAM Manual guidelines. Please note that only Soil Stockpile No. 1 was statistically sampled.

The following steps were utilized to facilitate the statistically based sample collection.

- Calculated the volume of soil stockpile through the use of field measurements and geometric formulas.

- Superimposed a sampling grid (3-D) on the stockpiled soil. The stockpile was drawn to scale and evenly divided into sections to provide a sampling grid for the selection of the sample locations.

- Used a random numbers generator from a hand held calculator to choose sampling locations.

- Collected soil samples at the selected locations and depths within the stockpile. The samples were collected using a steel hand auger and shovel and then transferred to precleaned jars and delivered to the mobile analytical laboratory. Quality Assurance/Quality Control (QA/QC) procedures were followed for the soil sampling.

- Transferred the three soil samples to Mobile One Laboratories for analysis.

The soil stockpile samples were subjected to TPH analysis for the presence of gasoline and diesel by the California DHS TPH Method and in addition one sample, WCC-SP1-2, was analyzed for the presence of BTEX utilizing EPA Method 8020. The stockpile samples did not possess detectable concentrations of petroleum hydrocarbons nor did WCC-SP1-2 exhibit detectable concentrations of BTEX.

Since TPH concentrations above the detection limit were not measured in the stockpile soil samples, statistical characterization procedures outlined in the SAM Manual were not applied. Soil stockpile No. 2, placed on, and covered with plastic sheeting, was not sampled and reportedly remains on the site.

A summary of the TPH laboratory results for the stockpile soil samples is presented in Table 1, with BTEX results presented in Table 2. Copies of the laboratory data sheets are presented in Appendix B.

5.0 REVIEW OF LABORATORY TEST RESULTS - EXCAVATION

A total of 23 samples were collected from the excavation. Seven soil samples were collected as confirmation bottom samples and 16 were collected from the sidewalls. The soil samples were submitted to an on-site mobile laboratory for TPH analysis utilizing the California DHS Method. In addition, two samples, one bottom sample and one sidewall sample possessing the highest TPH concentration were subjected to analysis for BTEX using EPA Test Method 8020.

A review of the laboratory results obtained from the soil samples collected from the excavation indicate that soil possessing petroleum hydrocarbons above the detection limit of 10 mg/kg were likely removed from the site.

A summary of the TPH laboratory results for the excavation soil samples is presented in Table 1, with BTEX results presented in Table 2. Copies of the laboratory data sheets are presented in Appendix B.

6.0 SITE GEOLOGY AND HYDROGEOLOGY

Details of the soil conditions encountered at the site, along with an evaluation of groundwater information, is detailed below.

6.1 Geology

The topography of the site is relatively flat with the area paved with asphalt for automobile parking and walkways and the remainder of the area comprised of service buildings and extensive grass cover (a golf course). The ground surface elevation of the site is approximately 380 feet to 385 feet Mean Sea Level. Soils encountered during the performance of the excavation activities consisted of approximately three feet of clayey fine sand underlain by fine to coarse sands to the bottom of the excavation at 12 feet to 14 feet bgs.

6.2 Hydrogeology

A review of the "Comprehensive Water Quality Control Plan for the San Diego Basin 9" indicates that the subject site is located in the El Cajon Hydrographic Area of the Lower San Diego Hydrographic Subunit of the San Diego Hydrologic Unit. The RWQCB designates the groundwater in this area as having beneficial uses for municipal and agricultural, and potential beneficial uses for industrial supply and industrial process supply.

General cleanup levels for soil and groundwater in beneficial use areas have been established by the RWQCB. The cleanup level for soil is generally 100 milligrams per kilogram (mg/kg) of TPH, and for groundwater is 1.0 µg/L of benzene. While these are general guidelines, each case is site specific and other levels may be established by the RWQCB. The Lawrence Livermore National Laboratory Report, issued in late 1995 and subjected to ongoing review, has suggested that cleanup levels should be site specific and that general cleanup levels should be eliminated. This process is dynamic and may have impact on the cleanup levels imposed on this site.

While the San Diego River channel lies approximately one-quarter mile to the south of the former location of the UST, Maxwell did not encounter any groundwater during the performance of the field activities. Furthermore, the collection and analysis of seven soil samples from the bottom of the excavation suggests that groundwater has not been impacted beneath the former location of the UST.

7.0 SUMMARY AND CONCLUSIONS

A. An underground storage tank of 1000 gallon capacity was removed from the subject site on January 26, 1993. Representatives of SAM determined that

an unauthorized release had occurred and opened assessment Case No. T2542/H28485.

B. Approximately 125 cubic yards of soil was excavated at the site for the purpose of assessing the potential extent of petroleum hydrocarbon impact to the soil and mitigating those impacts. A total of 23 soil samples were obtained from the excavation, with an additional three soil samples collected from Soil Stockpile No.1.

C. Detectable TPH concentrations were observed at depths ranging from approximately 10 feet to 11.5 feet bgs. The final shape of the excavation was in the form of an oval, situated with the longest axis in a northwest-southeast direction. Petroleum hydrocarbons were generally detected in the northern portion of the excavation with TPH concentrations ranging from 62 mg/kg to 1900 mg/kg. The soil containing hydrocarbon concentrations above 100 mg/kg was removed and confirmation soil samples were collected. The remaining area of the excavation did not possess detectable TPH concentrations following soil removal.

D. Groundwater was not encountered during the excavation activities. Maxwell personnel advanced a hand auger to approximately 14.5 feet bgs without any groundwater encountered during the two days of field activities.

8.0 RECOMMENDATIONS

A. While a work plan approval letter sent by SAM to Willowbrook Country Club detailed the excavation of additional borings and the collection and analysis of additional soil and groundwater samples, Maxwell recommends that no further assessment activities be required on the site. Changes in regulatory requirements (specifically the SAM Manual) and guidance provided by the Lawrence Livermore National Laboratory report, suggest that more consideration be given to cases on a site-specific basis, and that excessive assessment be avoided.

B. Since groundwater was not encountered at the site and since soil containing TPH concentrations above the regulatory action level were removed and confirmed through soil sampling, it is recommended that a "no further action" letter be issued for the UAR reported for the Willowbrook Country Club site.

C. Soil Stockpile No. 2 (50 cubic yards) should be statistically characterized followed by use or disposal in accordance with regulatory guidelines.

9.0 REPORT LIMITATIONS

This report has been prepared for the use of Mr.Spero Tzathas, representing Willowbrook Country Club and for review by the San Diego Regional Water Quality Control Board and Mr. Dave Berquist of SAM.

The client should recognize that the assessment and mitigation effort including soil excavation and limited soil sampling and laboratory testing described in this report should not be interpreted as a characterization and statistical evaluation of the entire site, but is intended to provide information relative to the effort to assess and mitigate the petroleum hydrocarbon impact to the soil at the site created by the release of petroleum hydrocarbons from the UST formerly located on the site. The assessment and mitigation of petroleum hydrocarbon impacts in the area of the former location of the UST does not preclude the possibility of the presence of petroleum hydrocarbons or hazardous materials in other areas of the site.

The information obtained in assessing and mitigating petroleum hydrocarbon impacts at the site can vary at different times and different locations and the interpolation or extrapolation of such data results in some degree of uncertainty. Additionally, the client should recognize that regulatory agencies possess the final authority relative to site closures and may require the performance of additional services beyond those proposed or performed and described in this report.

Therefore, the conclusions and recommendations presented in this report should only be considered conclusive with respect to the information contained herein. No guarantee of the results presented in this report is implied or intended. The services performed were conducted in accordance with the local standard of care in the geographic region at the time the services were rendered.

TABLE 1. SUMMARY OF LABORATORY TEST RESULTS

SAMPLE IDENTIFICATION	DEPTH (bgs*)	CONCENTRATION (mg/kg)	QUANTIFIED AS
EXCAVATION SAMPLES			
WCC-EXC-1	11.5	<10	
WCC-EXC-2	13.8	<10	
WCC-EXC-3	11.5	<10	
WCC-EXC-4	11.5	110	GASOLINE
WCC-EXC-4A	14.5	<10	
WCC-EXC-5	11.5	<10	
WCC-EXC-6	12.0	<10	
WCC-EXC-7	13.5	<10	
WCC-EXC-8	10.0	1,900	GASOLINE
WCC-EXC-8A	12?	<10	
WCC-EXC-9	10.0	<10	
WCC-EXC-10	10.5	<10	
WCC-EXC-11	10.5	<10	
WCC-EXC-12	10.5	<10	
WCC-EXC-13	10.5	<10	
WCC-EXC-14	8.5	<10	
WCC-EXC-15	8.5	<10	
WCC-EXC-16	8.5	<10	
WCC-EXC-17	8.5	<10	
WCC-EXC-18	10.5	<10	
WCC-EXC-19	10.5	62	DIESEL
WCC-EXC-20	8.5	<10	
WCC-EXC-21	13.5	<10	
SOIL STOCKPILE AND CHARACTERIZATION SAMPLES			
WCC-SP1-1	1.5	<10	
WCC-SP1-2	2.5	<10	
WCC-SP1-3	2.0	<10	

Feet bgs = feet below ground surface
mg/kg = milligrams per kilogram

TABLE 2. SUMMARY OF LABORATORY TEST RESULTS
SOIL SAMPLES
BTEX ANALYSIS (EPA TEST METHOD 8020)

SAMPLE IDENTIFICATION	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	XYLENES (mg/kg)
WCC-EXC-6	<0.05	<0.05	<0.05	<0.15
WCC-EXC-8	0.17	0.057	<0.05	0.19
WCC-SP1-2	<0.05	<0.05	<0.05	<0.15

mg/kg = milligrams per kilogram

MAXWELL
S-CUBED Division

SORRENTO VALLEY OFFIC
3398 Carmel Mountain Road, San Diego, CA 92121-109
P.O. Box 1620, La Jolla, CA 92038-162

August 19, 1993

County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Program
1255 Imperial Avenue
San Diego, CA 92101

Attention: Mr. Dave Berquist

Subject: Workplan for Site Assessment and Mitigation
of Potential Environmental Impacts
Willowbrook Country Club
11905 Riverside Drive
Lakeside, CA 92040
Unauthorized Release T2542/H28485
S-Cubed Project No. 40270-22

Dear Mr. Berquist

In response to the request of Mr. Spero Tzathas, Maxwell Laboratories Inc., S-Cubed Division (S-Cubed) has prepared this workplan for the performance of environmental assessment/mitigation services relating to the Unauthorized Release (UAR) reported for the Willowbrook Country Club located at 11905 Riverside Drive, in Lakeside, California. The apparent source of the release was from an underground storage tank (UST) formerly located on the site. The approximate location of the site is presented on the vicinity map, Figure No. 1.

This workplan presented summarizes S-Cubed's understanding of the circumstances associated with the reported UAR of petroleum hydrocarbons at the site and proposes a scope of work to attempt to assess and mitigate this impact.

Mr. Tzathas intends, through services provided by an environmental consultant, to assess, mitigate, and obtain a regulatory closure of the reported UAR of petroleum hydrocarbons to the soil and groundwater, if encountered, through the performance of the environmental engineering services detailed below. Following the submission of this workplan to the regulatory agencies for

their review, comment, and approval, Mr. Tzathas plans to obtain at least three bids for the performance of the services and proceed with the assessment and mitigation activities at the earliest possible opportunity.

BACKGROUND SUMMARY AND TECHNICAL APPROACH

The subject site is located at 11905 Riverside Drive in Lakeside, California. According to information provided by Mr. Tzathas, Western Pump Inc., the tank removal contractor, removed one 550 gallon UST from the site on January 26, 1993. Mr. Robert Rapista, a specialist with the San Diego County Department of Health Services was present during the UST removal. A review of the "Underground Tank Removal/Closure Report" prepared by Mr. Rapista indicated that "a one inch diameter hole was observed on the bottom of the western portion of the tank". The report also noted that "strong gasoline odors" were present. Additional information contained in the report indicated that the manager of the Willowbrook Country Club stated that the tank had been removed from service on January 1, 1993.

Two soil samples were collected by the tank removal contractor and submitted to Quality Assurance Laboratory of San Diego for analysis. A review of a copy of the preliminary laboratory data indicated that the soil samples contained Total Petroleum Hydrocarbons (TPH) concentrations of 7,200 milligrams/kilogram (mg/kg) and 575 mg/kg quantified as gasoline and diesel fuel, respectively. In response to the results of the laboratory testing, a UAR was reported for the site and the release was assigned UAR Case No. T2542/H28485.

TECHNICAL APPROACH

Assessment of potential hydrocarbon impacts to soil at the site will require an intrusion into the subsurface through excavation of soil, and collection and analysis of soil samples. The pursuit of regulatory closure of the reported UAR will require overexcavation of soil from areas adjacent to the former location of the 550 gallon UST and potentially below the groundwater, should groundwater be encountered.

SCOPE OF SERVICES

The following description of the proposed scope of services has been prepared for the San Diego County Department of Health Services, Environmental Health Services Site Assessment and Mitigation Program (SAMP) and the San Diego office of the Regional Water Quality Control Board. It has been prepared in accordance with Article 11 "Underground Storage Tank Corrective

Action Requirements" of Title 23 of the California Code of Regulations, for the purpose of pursuing regulatory closure of the UAR reported for the subject site, and for the client to solicit bids for the services described.

Task I - Pre-field Activities. These activities will be performed to prepare for the completion of the required field activities.

- Review this proposed workplan with the appropriate representatives of the Department of Health Services (DHS) and the San Diego Regional Water Quality Control Board (RWQCB) prior to the commencement of field activities. This workplan includes a proposed scope of services with a 'Community Health and Safety Plan" provided as Attachment 'A". In accordance with Article 11 "Underground Storage Tank Corrective Action Requirements" of Title 23 of the California Code of Regulations, workplans must be submitted to and approved by a representative of the DHS prior to the commencement of any field activities. This requirement became effective on April 1, 1992. Note that "Interim Remedial Actions", as defined by Article 11, do not require approval of workplans by regulatory representatives prior to the initiation of field activities.

- Prepare a site-specific Health and Safety Plan that will identify potential health and safety hazards anticipated during the performance of the field activities. The plan will be prepared prior to the commencement of field activities and will be reviewed by all field personnel.

- Notify Underground Service Alert as required by law and obtain a "Ticket Number" at least 48 hours prior to commencing with field activities.

- Notify the appropriate regulatory representative of the intended times to perform the field activities.

Task II - Excavation and Soil Sampling Activities. Overexcavation of soil from the former location of the 550-gallon UST will be performed under this task. In an effort to accomplish closure of the UAR reported for the site, cleanup of soil and groundwater impacted with petroleum hydrocarbons at concentrations higher than the cleanup levels established for the site by

regulatory agencies must be completed and documented to the satisfaction of the SAMP specialists. The site has been designated as having existing or potential beneficial uses for groundwater. Under these circumstances, regulatory agencies have generally established a cleanup level for soil of 100 mg/kg for total petroleum hydrocarbons. To accomplish these goals, a contractor will proceed with the removal of hydrocarbon impacted soil from the perimeter of the excavation. Confirmation soil samples will be obtained from the excavation sidewalls and from the bottom of the excavation where physically possible. The activities detailed in Task II are designed to accomplish the assessment/mitigation goals.

- The Excavation Contractor will excavate soil from the former UST location in areas identified by the environmental consultants as suspected of possessing TPH concentrations in excess of the cleanup level established for the site by the regulatory agencies. Soil samples will be collected from the excavation to attempt to obtain indicators of the presence of petroleum hydrocarbons. In addition, vapor headspace surveys will be performed on the soil samples and an OVA will be utilized to attempt to obtain indicators of the presence of petroleum hydrocarbons. Removal of soil from the bottom and sidewalls of the excavation will proceed until representative soil samples collected from these areas, and analyzed for TPH, indicate that the cleanup level (less than 100 mg/kg) has been attained. The spacing of the samples will be approximately four to six feet vertically and horizontally, depending on the soil conditions encountered at the site. A mobile laboratory will be used on site to help guide in the completion of the excavation activities.

  Since it is assumed that the site is located in a beneficial groundwater use area, 100 mg/kg of total petroleum hydrocarbons is assumed to be the cleanup level that will be applied to the soil at the site by the appropriate regulatory agencies.

- Analyze soil samples. Soil samples obtained throughout the performance of the field activities will be subjected to analysis by an on-site California Department of Health Services certified mobile laboratory. The results of the laboratory analysis will be used to guide additional excavation activities and provide analytical confirmation of the possible extent of hydrocarbon impact to the soil. Based on guidelines provided in the SAMP 1993 Site Assessment and Mitigation (SA/M) manual, the environmental consultant will analyze for TPH by the DHS TPH Method; benzene, toluene, xylene, and ethylbenzene (BTXE) by EPA Method 8020; and organic lead by the DHS Method. Based on SAMP protocol and for the purpose of this workplan, S-Cubed assumes that if groundwater is encountered

during the performance of the overexcavation activities, one soil sample will be obtained from the capillary zone and analyzed for TPH (DHS Method), BTXE (EPA Method 8020), and organic lead (DHS Method). The collection and analysis of this soil sample may eliminate the need for additional assessment of the groundwater at the site. Any need to install groundwater monitoring wells and sample the groundwater will be determined following completion of the overexcavation and confirmation soil sampling activities.

- Quality assurance/control procedures will be followed during the excavation and soil sampling activities. Soil samples will be placed in laboratory prepared containers and transported to an on site mobile laboratory for analytical testing. Some of the analytical testing will be performed by the main laboratory facility as mobile laboratories are equipped to perform a limited variety of analytical tests. Chain-of-custody documentation will be provided for the soil samples.

- Guide the segregation of soil removed during the excavation activities. The soil will be segregated according to origin and by estimates of TPH concentrations. The soil will be stockpiled on-site by placing it on, and covering it with, Visqueen in accordance with regulatory protocol. The environmental consultant will statistically characterize the soil stockpile according to DHS protocol and assist the client with disposition.

- Provide health and safety monitoring during the excavation activities.

- The excavation contractor will fill the excavation with stockpiled soil, if appropriate, and clean imported soil as needed, and replace the asphalt at the ground surface.

Task III - Report Preparation. Preparation of a report detailing the results of the field activities and consultation with representatives of regulatory agencies will be provided as detailed in this task.

- Prepare a report summarizing the results of the field activities and provide recommendations for additional environmental services, if required. The report will follow the guidelines presented in the 1993 SA/M manual and will conform to the regulatory requirements for assessing UARs and obtaining site closures.

- Provide consultation with the client and representatives of the regulatory agencies following completion of the field activities. The purpose of the consultation will be to present the results obtained during the performance of the field activities.

Following regulatory approval of this workplan, Mr. Tzathas intends to proceed with the excavation activities during the month of September 1993. The consultant will begin to provided the services indicated above upon regulatory approval of this workplan. Based upon the above-referenced Scope of Services, it is anticipated that the services described in this workplan can be completed within four to six weeks from the start of the field activities.

If you have any questions, or we may be of further service, please contact the undersigned at (619) 453-0060.

Sincerely,

David A. Eminhizer
Project Environmental Scientist

Lisa Stella
Environmental Scientist

Addressee (1 copy)
Corey Walsh, RWQCB (1 copy)
Spero Tzathas, Willowbrook Country Club (1 copy)

HAZARDOUS MATERIALS MANAGEMENT DIVISION
UNDERGROUND TANK REMOVAL/CLOSURE REPORT

FIRE AGENCY PRESENT?
☐ YES ☐ NO
PERMIT NO. _____
DEPT. _____
% L.E.L. _____

ESTABLISHMENT # H28485 PLAN CHECK # AT2606

SITE NAME WILLOW BROOK COUNTRY CLUB PHONE _____

ADDRESS 11905 RIVERSIDE DR. LAKESIDE CITY/ZIP CODE 92040

CONTRACTOR WESTERN PUMP PHONE 696-5777

NUMBER OF TANKS _____ ☒ REMOVAL ☐ CLOSURE IN PLACE

					REMARKS:
TANK EDP NUMBER	T001				(1) TANK WAS HEAVILY CORRODED
U/L TAG NUMBER	UNKNOWN				~ 1 INCH DIAMETER HOLE FOUND
CAPACITY (GALS)	1000				ON WEST BOTTOM END OF TANK
MATERIAL STORED	GASOLINE				TANK STOPPED BEING USED
DECONTAMINATION?	TRIAD MARINE				AT THE END OF THE YEAR PER
MANIFEST AVAILABLE?	#915220936 56 GALS TO DK				MANAGER.
% LEL (CGI READING)	<5%				
DRY ICE/OTHER (AMT)	15 POUNDS				
TANK CONDITION	SEE REMARKS				
BACKFILL SOIL TYPE	MEDIUM COARSE SAND				
BACKFILL CONDITION	SOME DISCOLORATION SLIGHT ODOR				
NATIVE SOIL TYPE	COARSE SAND LOOSE				
NATIVE CONDITION	SLIGHT DISCOLORATION/VERY STRONG GAS ODORS				
EXCAVATION ODORS?	STRONG GASOLINE ODORS NOTED				
STOCKPILE ODORS?	SLIGHT				
PONDED PRODUCT?	NONE NOTED				TO SECURE TANK EXCAVATION
PIPELINE LEAK?	UNKNOWN				MEETING ALL ACTIONS NECESSARY
REINSPECTION REQUIRED?	NO				TO MINIMIZE GAS ODORS FROM
					BEING EXPOSED TO SURROUNDING
					COMMUNITY.

NOTICE: You are hereby notified that on 1/26/93 a Hazardous Materials Specialist conducted an inspection for the closure of ONE hazardous substance underground storage tanks. A summary of the conditions follows:

☒ A determination of this site's status is pending receipt of Laboratory Analyses Results for samples taken this date. Results must be submitted within 30 days. To avoid delays, have the Laboratory send a copy of the results directly to ROBERT RAPISTA (print) of the (HMMD) see address below:

☐ Contamination of the excavation area has been noted by observations made during the tank removal this date. **BEGIN SITE ASSESSMENT PHASE**-(See reverse for details).

☐ **COMPLETE THE SITE SAMPLING WITHIN 5 WORK DAYS OF THIS REMOVAL OR A FULL SITE ASSESSMENT WILL BE REQUIRED.**

Received by Gordon Beckett

Printed Name Gordon Beckett

Phone Number 696-5777

(ESTABLISHMENT COPY)

Robert A. Rapista
Hazardous Materials Specialist
County of San Diego
Department of Health Services
P. O. Box 85261
San Diego, CA 92138-5261
(619) 338-2222

DHS:HM-916 (10/89)

1993-02-10 07:17 619 696 5757 WESTERN PUMP INC 001 P01

MOBILE ONE
LABORATORIES INC.

June 2, 1994

Mr. David Eminhizer
Maxwell, S-Cubed Division
P.O. Box 1620
La Jolla, CA 92038

Dear David:

The following report covers the analysis of twenty-six soil samples from the Willowbrook Country Club site. The samples were analyzed by Mobile One Laboratories in our mobile lab in accordance with the California DHS procedure for Total Petroleum Hydrocarbons (TPH). Three samples were analyzed by EPA Method 8020 for benzene, toluene, ethylbenzene and total xylenes (BTEX). The results are summarized on the following pages.

Gasoline was identified in two and diesel in one of the samples. Benzene, toluene, and xylenes were found in one of the samples analyzed by method 8020. No other fuel hydrocarbons were indicated. All quality control results were within acceptable limits.

Should you have any questions concerning the analysis or require further information, please do not hesitate to call me. Thank you for using Mobile One Labs.

Sincerely,

Rebecca L. Johnson

Rebecca L. Johnson

Enclosure: SQ33RPT-1

19964 ELFIN FOREST LN. • ESCONDIDO, CA 92029 Phone (619) 591-3666 Mobile (619) 980-9233

m BILE ONE
LABORATORIES INC.

REPORT SUMMARY

To: Maxwell, S-Cubed Division, Dave Eminhizer

Project: Willowbrook Country Club, 40292-14

Location: 11905 Riverside Drive, Lakeside, Ca

TOTAL PETROLEUM HYDROCARBONS ANALYSIS
(CA DOHS LUFT Method)

Date Received: April 5 & 6, 1994
Date Extracted/Analyzed: April 5 & 6, 1994
Analyst: J. Halsey

Sample Matrix: soil

FIELD NUMBER	AMOUNT FOUND (mg/kg)	DETECTION LIMIT (mg/kg)	CARBON RANGE
WCC-EXC-1	nd	10	
WCC-EXC-2	nd	10	
WCC-EXC-3	nd	10	
WCC-EXC-4	110 gasoline	10	C_8-C_{24}
WCC-EXC-4A	nd	10	
WCC-EXC-5	nd	10	
WCC-EXC-6	nd	10	

nd = not found above the detection limit

SQ33RPT-1

19964 ELFIN FOREST LN. • ESCONDIOO, CA 92029 Phone (619) 591-3666 Mobile (619) 980-9233

MBILE ONE
LABORATORIES INC.

To: Maxwell, S-Cubed Division, Dave Eminhizer
Project: Willowbrook Country Club, 40292-14

TOTAL PETROLEUM HYDROCARBONS ANALYSIS
(CA DOHS LUFT Method)
Continued

FIELD NUMBER	AMOUNT FOUND (mg/kg)	DETECTION LIMIT (mg/kg)	CARBON RANGE
WCC-EXC-7	nd	10	
WCC-EXC-8	1,900 gasoline	10	C_8-C_{24}
WCC-EXC-8A	nd	10	
WCC-EXC-9	nd	10	
WCC-EXC-10	nd	10	
WCC-EXC-11	nd	10	
WCC-EXC-12	nd	10	
WCC-EXC-13	nd	10	
WCC-EXC-14	nd	10	
WCC-EXC-15	nd	10	
WCC-EXC-16	nd	10	
WCC-EXC-17	nd	10	
WCC-EXC-18	nd	10	
WCC-EXC-19	62 diesel	10	C_{12}-C_{24}

nd = not found above the detection limit

SQ33RPT-1

MOBILE ONE LABORATORIES INC.

To: Maxwell, S-Cubed Division, Dave Eminhizer
Project: Willowbrook Country Club, 40292-14

TOTAL PETROLEUM HYDROCARBONS ANALYSIS
(CA DOHS LUFT Method)
Continued

FIELD NUMBER	AMOUNT FOUND (mg/kg)	DETECTION LIMIT (mg/kg)	CARBON RANGE
WCC-EXC-20	nd	10	
WCC-EXC-21	nd	10	
WCC-SP1-1	nd	10	
WCC-SP1-2	nd	10	
WCC-SP1-3	nd	10	

nd = not found above the detection limit

R Johnson 4-19-94
Reviewed by R. Johnson/ date
SQ33RPT-1

MBILE ONE
LABORATORIES INC.

To: Maxwell, S-Cubed Division, Dave Eminhizer
Project: Willowbrook Country Club, 40292-14

8020 ANALYSIS

Date Received: April 5&6, 1994
Date Extracted/Analyzed: April 11, 1994
Analyst: J. Halsey

Sample Matrix: soil

Compound	Benzene	Toluene	Ethylbenzene	Xylenes
Detection limit (mg/kg)	0.05	0.05	0.05	0.15

FIELD NUMBERS — AMOUNT FOUND (MG/KG)

WCC-EXC-6	nd	nd	nd	nd
WCC-EXC-8	0.17	0.057	nd	0.19
WCC-SP1-2	nd	nd	nd	nd

nd = not found above the detection limit

R Johnson 4-19-94
Reviewed by: R. Johnson/date
SQ33RPT-1

MOBILE ONE
LABORATORIES INC.

To: Maxwell, S-Cubed Division, Dave Eminhizer
Project: Willowbrook Country Club, 40292-14

TPH ANALYSIS - QC Summary

SPIKED RECOVERIES

Date Analyzed: 04/05/94 Sample size: 10 g F.V.: 10 ml
Sample Matrix: soil

Filename -> Compound	M5T0405 Found (ppm)	D5T0405 Found (ppm)	Spike Level (ppm)	Avg. Pct. Rec.	QC limits	Pct. Diff.	QC limits
gasoline	140	145	140	102	(60-130)	3.5	<20

Date Analyzed: 04/06/94 Sample size: 10 g F.V.: 10 ml
Sample Matrix: soil

Filename -> Compound	M2T0406 Found (ppm)	D2T0406 Found (ppm)	Spike Level (ppm)	Avg. Pct. Rec.	QC limits	Pct. Diff.	QC limits
gasoline	155	147	140	106	(60-130)	5.3	<20

Calibration verification was within acceptable limits.

No contamination was found in method blanks at detectable levels.

SQ33RPT-1

MBILE ONE LABORATORIES INC.

To: Maxwell, S-Cubed Division, Dave Eminhizer
Project: Willowbrook Country Club, 40292-14

8020 ANALYSIS - QC Summary

SPIKE RECOVERIES

Date Analyzed: 04/06/94 Sample size: 1 g
Sample Matrix: soil

Filename--> Compound	M480406 Found (ppm)	D480406 Found (ppm)	Spike Level (ppm)	Avg. % Recovery	QC limits	Pct. Diff.	QC limits
Benzene	0.099	0.091	0.100	95	(60-130)	8.4	<20
Toluene	0.088	0.082	0.100	85	(60-130)	7.1	<20
Ethylbenzene	0.091	0.084	0.100	88	(60-130)	8.0	<30
Xylenes	0.182	0.170	0.200	88	(60-130)	6.8	<20

Calibration verification was within acceptable limits.

No contamination was found in method blanks at detectable levels.

SQ33RPT-1

19964 ELFIN FOREST LN. • ESCONDIDO, CA 92029 Phone (619) 591-3666 Mobile (619) 980-9233

SC453

MOBILE ONE LABORATORIES INC.

CHAIN-OF-CUSTODY RECORD

Date 4/5/94 page 1 of 3

Client: S-Cubed ; Dave Emanhizer
Site Address: 11905 Riverside Dr.
Lakeside, CA
Project: Willowbrook Country Club; 40292-164
Sampler (signature): Lisa Stella

Sample No.	Date	Time	Location	TPH	BTEX					No. of containers	Comments
WCC-EXC-1	4/5/94	1029		X						1	Release # 59271-37
WCC-EXC-2		1053		X						1	
WCC-EXC-3		1333		X						1	
WCC-EXC-4		1340		X						1	
WCC-EXC-5		1349		X						1	
WCC-EXC-6		1356		X	X					1	
WCC-EXC-7		1506		X						1	
WCC-EXC-8		1515		X	X					1	
WCC-EXC-9		1525		X						1	
WCC-EXC-10		1534		X						1	

Intact: (Yes) No
Cold: Yes (N/A) - Received on site

10 ← Total No. of containers

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Lisa Stella	Signature: Jason Holley	Signature	Signature	Signature	Signature
Printed Name: S Cubed	Printed Name: Mobile One Labs	Printed Name	Printed Name	Printed Name	Printed Name
Company: 4/5/94 1730	Company: 4/5/94 1730	Company	Company	Company	Company
Date Time	Date Time	Date Time	Date Time	Date Time	Date Time

19964 ELFIN FOREST LANE, ESCONDIDO, CA 92029 PHONE (619) 591-3666

MOBILE ONE LABORATORIES INC.

CHAIN-OF-CUSTODY RECORD

Date 4/5/94 page 2 of 3

Client: S-Cubed
Site Address: 11905 Riverside Dr.
Lakeside, CA
Project: 4092-14 Willowbrook
Sampler (signature): Lisa Stella

Sample No.	Date	Time	Location	Analysis Requested: TPH						No. of containers	Comments
WCC-EXC-11	4/5/94	1539		X						1	
WCC-EXC-12		1548		X						1	
WCC-EXC-13		1556		X						1	
WCC-EXC-4A		1623		X						1	
WCC-EXC-14		1629		X						1	
WCC-EXC-15		1638		X						1	
WCC-EXC-16		1640		X						1	
WCC-EXC-17		1645		X						1	
WCC-EXC-18		1705		X						1	
WCC-EXC-19		1707		X						1	

Intact: (Yes) No
Cold: Yes (N/A) - Received on site

10 ← Total No. of containers

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Lisa Stella	Signature: Tosan Halsey	Signature	Signature	Signature	Signature
Printed Name: S-Cubed	Printed Name: Mobile One Labs	Printed Name	Printed Name	Printed Name	Printed Name
Company: 4/5/94 1730	Company: 4/5/94 1730	Company	Company	Company	Company
Date Time	Date Time	Date Time	Date Time	Date Time	Date Time

MOBILE ONE LABORATORIES INC.

CHAIN-OF-CUSTODY RECORD

Date 4/5/94 page 3 of 3

Client: S-Cubed
Site Address: 11905 Riverside Dr.

Project: WCC 4029A-16
Sampler (signature): Lisa Stella

Analysis Requested

Sample No.	Date	Time	Location	TPH						No. of containers	Comments
WCC-EIC-20	4/5/94	1709		X						1	

Intact: (Yes) No
Cold: Yes (N/A - Received on site)

1 ← Total No. of containers

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Lisa Stella					
Signature	Signature	Signature	Signature	Signature	Signature
Lisa Stella	Jason Hobey				
Printed Name	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
S-Cubed	Mobile One Labs				
Company	Company	Company	Company	Company	Company
4/5/94 1730	4/5/94 1730				
Date Time	Date Time	Date Time	Date Time	Date Time	Date Time

19964 ELFIN FOREST LANE, ESCONDIDO, CA 92029 PHONE (619) 591-3666

505

MOBILE ONE LABORATORIES INC.

CHAIN-OF-CUSTODY RECORD

Date 4/6/94 page 1 of 1

Client: S-Cubed ; Dave Brunkhizer
Site Address: 11905 Riverside Dr.
Lakeside, CA
Project: Willowbrook Country Club, 40292-14
Sampler (signature): Lisa Stella

Sample No.	Date	Time	Location	Analysis Requested: TPH	Analysis Requested: BTEX	Analysis Requested:	Analysis Requested:	Analysis Requested:	Analysis Requested:	No. of containers	Comments
WCC-EXC-0A	4/6/94	0945		X						1	
WCC-EXC-2'	↓	1010		X						1	
WCC-SP1-1		1025		X						1	
WCC-SP1-2		1026		X	X					1	
WCC-SP1-3		1028		X						1	

Intact: (Yes) No
Cold: Yes (N/A) Received on site

5 ← Total No. of containers

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Lisa Stella	Signature: Jason Hobley	Signature	Signature	Signature	Signature
Printed Name: S-Cubed	Printed Name: Mobile One Labs	Printed Name	Printed Name	Printed Name	Printed Name
Company	Company	Company	Company	Company	Company
Date: 4/6/94 Time: 1135	Date: 4/6/94 Time: 1135	Date Time	Date Time	Date Time	Date Time

19964 ELFIN FOREST LANE, ESCONDIDO, CA 92029 PHONE (619) 591-3666

FEB 04 '93 15:59 AT&T FAX 5300

QUALITY ASSURANCE LABORATORY - ANALYSES RESULTS

URGENT: ____
RUSH ____
NORMAL X

COMPANY NAME: Western Ayro LOG #: 1269-930' TO 1270-930'

LOG #	SAMPLE ID	TYPE	TPH	DF		DF		DF		DF		DF		DF		DF		DF
1269-930'	W-9.5'	soil/bar	7200	10X →		C_4	C_{12}											
1270	E-9.0'	"	575 →			C_{10}	C_{23}											
			1/28/93															
	LCS X		108%		100%	diesel												
	SPIKE X		109%		96% ←	partial spike recoveries poor												
	DUPLICATE X RPD		1%		4%	due to the sample they												
	DATE EXTRACTED:		1-28-93		1/28/93	spiked had a high												
	DATE ANALYZED:		1-28-93		1/28/93	% diesel the LCS's												
	UNITS:		mg/kg		mg/kg													
	EXTRACTION METHOD:		3550		3550													
	ANALYSIS METHOD:		8015 mT		DRO ext													
	ANALYST:		[illegible]		CA													
	TEMPLATE DCN#:																	

DF=DILUTION FACTOR

REV: 11/91

EnvirOmega Consultants
16732 Palmero Drive
San Diego, California 92128
(619) 676-0046

RECEIVED
APR 1 11 05 AM '98
ENVIRONMENTAL
HEALTH SERVICES

March 30, 1998

County of San Diego
Department of Environmental Health
Site Assessment and Mitigation Division
P.O. Box 129261
San Diego, California 92112-9261

Attention: Mr. Darryl Fowler

Subject: Transmittal - Record of Conversation
Willowbrook Country Club
11905 Riverside Drive, Lakeside, California
Unauthorized Release No. H28485-001/T2542
EOC Project No. EOC-97-044

Dear Mr. Fowler:

At the request of Mr. Spero Tzathas, representing Willowbrook Country Club (Willowbrook), EnvirOmega Consultants (EOC) performed site assessment services for the subject site located at 11905 Riverside Drive in Lakeside, California.

On May 28, 1997, Mr. Dave Eminhizer of EOC, spoke with Mr. Martin Ortega, Site Assessment and Mitigation Division (SAM) specialist assigned to the site, concerning additional work required to obtain site closure for the Willowbrook site. Mr. Ortega indicated that possible groundwater impact was still an issue since the site is located in a beneficial groundwater area. Mr. Eminhizer suggested, and Mr. Ortega concurred, with the proposal to advance one hydropunch boring downgradient of the former location of the underground storage tank located on the site and collect and analyze a groundwater sample to determine whether petroleum hydrocarbon impact to the groundwater beneath the site has occurred. During this conversation, Mr. Ortega also indicated that Soil Stockpile 2 needed to be statistically characterized prior to obtaining site closure. On July 10, 1997, EOC submitted a work plan to Mr. Ortega proposing a scope of services consistent with the details discussed in the May 28, 1997 telephone conversation.

EOC completed the services and detailed the results in a report entitled "Post-Mitigation Report for Willowbrook Country Club", dated September 3, 1997. Mr. Ortega reviewed the report and contacted EOC during October 1997 and indicated that since no petroleum hydrocarbon impact, including MTBE, was detected in the groundwater sampled at the site, that the site would be processed for closure and that a "no further action letter" would be prepared and sent within the next few weeks. Following the conversation with Mr. Ortega, EOC contacted Mr. Tzathas and informed him that Mr. Ortega had issued a verbal closure for the site.

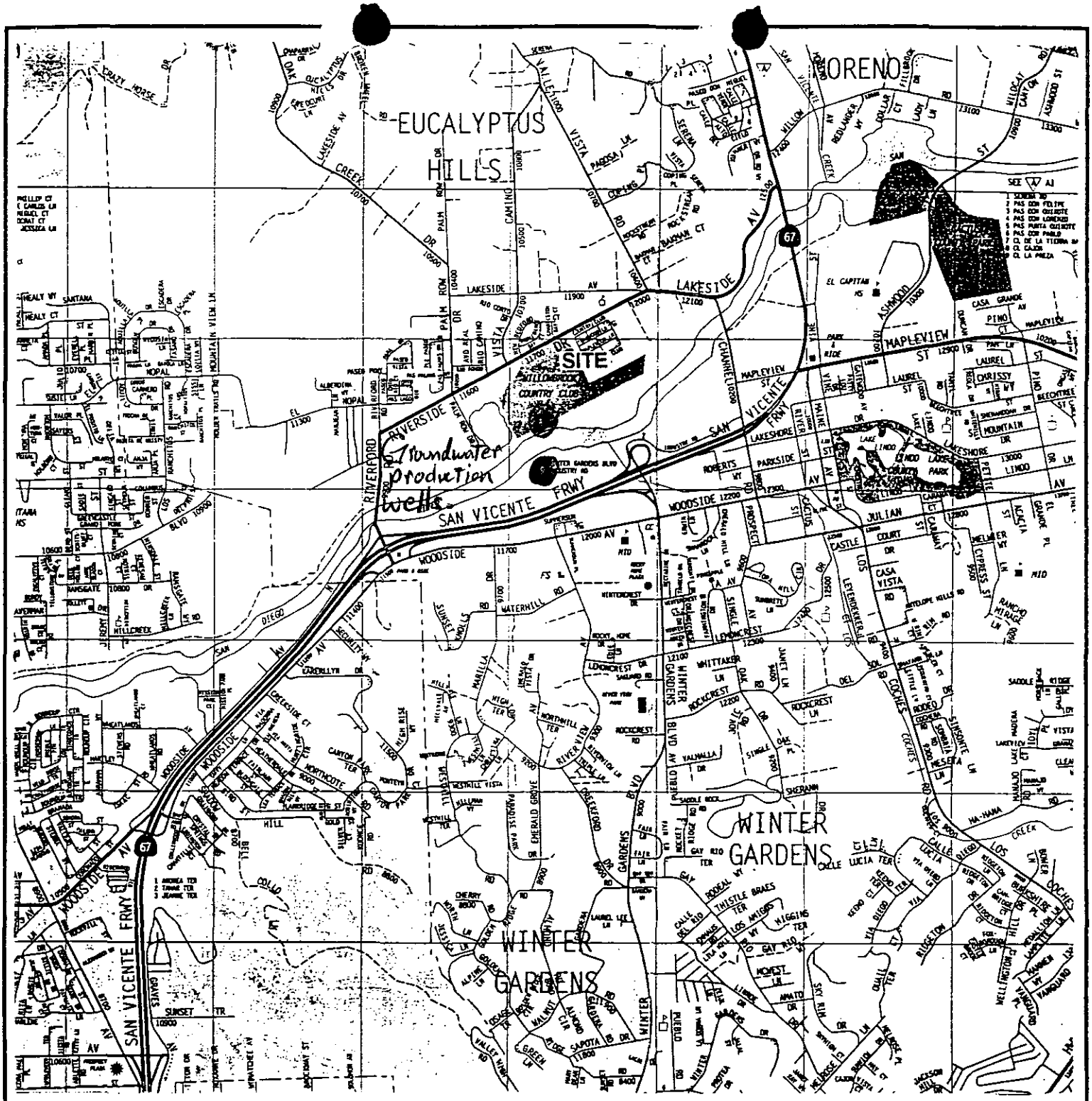
EOC contacted Mr. Ortega during the months that followed the conversation concerning verbal closure of the site, and Mr. Ortega assured Mr. Eminhizer that the site closure summary was being completed and that the "no further action letter" would be sent within a few weeks. Since we had not yet received the letter as of March 25, 1998, and we heard from other sources at SAM that Mr. Ortega was no longer working on assessment cases, we contacted you concerning the status of several of our cases in which Mr. Ortega was the specialist. During our conversation on Wednesday, March 25, 1998, we discussed the issue of the site closure for Willowbrook and you indicated that you were uncertain of the status of the site. We provided some background information on the closure issue and indicated that we had expected to receive a "no further action letter" from SAM months ago.

Please understand that based on the results of our field activities and discussions with Mr. Ortega, EOC considers this site to be closed. On behalf of Mr. Tzathas, EOC respectfully requests the completion of the "case summary" and the issuance of the "no further action" letter as soon as possible. Thanks for your help with this case. If there are any questions, please call me at (619) 676-0046.

Sincerely,

David A. Eminhizer
Environmental Scientist
EnvirOmega Consultants

cc: Mr. Spero Tzathas, Willowbrook Country Club



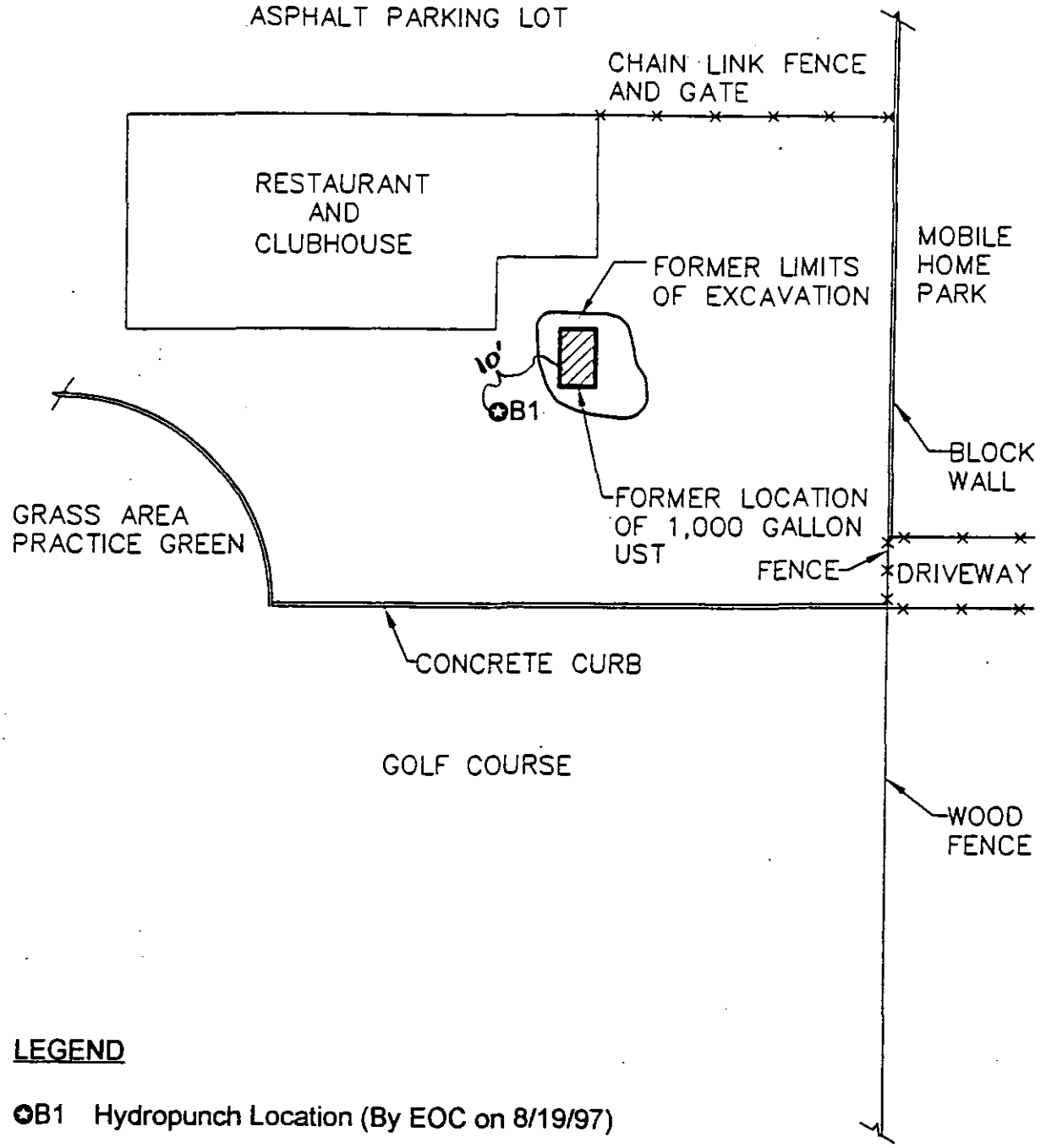
SOURCE: THE THOMAS GUIDE
SAN DIEGO COUNTY
STREET GUIDE AND DIRECTORY
PP. 1231 & 1232
1998 EDITION

EnvirOmega Consultants

VICINITY MAP
FIGURE 1

PROJECT NO. EOC-97-044

WILLOWBROOK COUNTRY CLUB
11905 Riverside Drive
Lakeside, California



LEGEND

B1 Hydropunch Location (By EOC on 8/19/97)

Source: Maxwell Technologies (Formerly S-Cubed) Underground Storage Tank Site Assessment Report

Scale: 1" = 20'

N

EnvirOmega Consultants

SITE PLAN
FIGURE 2

PROJECT NO. EOC-97-044

WILLOWBROOK COUNTRY CLUB
11905 Riverside Drive
Lakeside, California

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH

FOR SAM USE:
Date Received 3/13/95
Submittal Fee Paid 160-
Establishment # H35322-001

CA # 0351765 7

SITE ASSESSMENT AND MITIGATION DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

APPLICATION FOR ASSISTANCE

INFORMATION FOR REVIEW OF SITE ASSESSMENT PROJECTS

(PLEASE READ BOTH SIDES OF THIS FORM CAREFULLY PRIOR TO COMPLETION)

A. Site Name Y Tire Sales Assessors Parcel Number: _____

Site Address 11719 Woodside Avenue, Lakeside, California
Street City Zip Code

B. Property Owner Mr. Guy De Lisa

Mailing Address 750 State Street #224, San Diego, California 92101
Street City Zip Code

Contact Person Mr. Guy De Lisa Telephone (619 234-0008

C. Application Submitted by:

Contact Person Robert S. Johnston Telephone (619 541-0833

Company Name Dames & Moore

Mailing Address 9665 Chesapeake Drive, Suite 201, San Diego, California 92123
Street City Zip Code

D. Brief Project Description Review previous site assessment report prepared by Woodward Clyde Consultants dated October 20, 1994 relating to surficial used oil impacts; review Dames & Moore work plan dated February 17, 1995; review site assessment report prepared by Dames & Moore subsequent to work activities.

03-13-95 0110.1
9979 979 429775 $160.00
CHECK $160.00

I accept the referral conditions on the reverse and agree to pay all costs associated with this request within 30 days of an invoice from Site Assessment and Mitigation Division.

Signature of Applicant 2/22/95 Date

(FOR REGIONAL WATER QUALITY CONTROL BOARD USE ONLY)

The Regional Water Quality Control Board agrees to release this project to SAM for oversight assistance.

Date _____ Authorized By _____

DAMES & MOORE
9665 CHESAPEAKE DRIVE, SUITE 201, SAN DIEGO, CALIFORNIA 92123-1349
(619) 541-0833 FAX: (619) 541-0890

February 22, 1995

RECEIVED
FEB 23 1 38 PM '95
ENVIRONMENTAL HEALTH SERVICES

San Diego County
Department of Environmental Health (DHS)
Site Assessment Mitigation (SAM)
1255 Imperial Avenue
San Diego, California 92101

Attention: Mr. Larry Bodenhamer

Request for Assistance
Y Tire Sales
11719 Woodside Avenue, Lakeside, CA
Project No. 30431-001-131

Dear Mr. Bodenhamer:

Dames & Moore requests County of San Diego Department of Environmental Health assistance relating to review of site assessment activities for this project. The project is located 11719 Woodside Avenue in Lakeside, California.

Pursuant to the requirements in the 1995 Site Assessment Mitigation (SA/M Manual), the following is enclosed.

- A check for $160.00 for two hours of SAM time
- A completed application "request for Assistance Form"
- A work plan dated February 17, 1995
- "Soil Contamination Assessment Y Tire Sales Inc." prepared by Woodward Clyde Consultants dated October 20, 1994

Dames & Moore requests review by SAM officials concerning the proposed work plan at the subject site. If questions arise please contact the undersigned at your convenience.

Very truly yours,

DAMES & MOORE

Robert S. Johnston
Associate

Enclosures

c: Melody Harris, Attorney-at-Law

File

County of San Diego

GARY R. STEPHANY
DIRECTOR

DANIEL J. AVERA
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377
SITE ASSESSMENT AND MITIGATION DIVISION

August 22, 1995

Guy De Lisa
750 State Street #224
San Diego, CA 92101

Dear Mr. De Lisa:

RE: Y TIRE SALES, 11719 WOODSIDE AVENUE, LAKESIDE, CA 92040
APN: 382-220-01 UNAUTHORIZED RELEASE
DEH/SAM FILE: #H35322-001

The site remediation information submitted to this agency by Dames & Moore, summarizing the site characterization and mitigation activities at the above referenced location has been reviewed. With the provision that the information provided to this agency was accurate and representative of existing conditions, it is the position of this office that **no further action is required at this time.**

This information has also been discussed with staff of the Regional Water Quality Control Board (RWQCB). Based on the information submitted and current requirements, the RWQCB concurs with the determination of this agency that no further action is required at this time.

Please be advised that this letter does not relieve you of any liability under the California Health and Safety Code or Water Code for past, present, or future operations at the site. Nor does it relieve you of the responsibility to clean up existing, additional or previously unidentified conditions at the site which cause or threaten to cause pollution or nuisance or otherwise pose a threat to water quality or public health.

Thank you for your efforts in resolving this matter. Please contact Mark Fitzmaurice of the Site Assessment and Mitigation Division, at (619) 338-2456, if you require additional assistance.

Sincerely,

CHUCK PRYATEL, Division Manager
Site Assessment and Mitigation Division

CP:hb

cc: Charles Cheng, Regional Water Quality Control Board
Robert S. Johnston, Dames & Moore

SITE ASSESSMENT CASE CLOSURE SUMMARY

DEH/SAM FILE: H35322-001 T75 DATE: August 22, 1995

RESPONSIBLE PARTY: Guy De Lisa

SITE/FACILITY NAME: Y Tire Sales

SITE/FACILITY ADDRESS: 11719 Woodside Avenue, Lakeside, CA 92040

OFF SITE IMPACTS? NO

BENEFICIAL USE GROUND WATER? YES

GROUND WATER AFFECTED? NO

FULL DELINEATION ACHIEVED? YES

CONCURRENCE WITH RWQCB STAFF: Charles Cheng DATE: July 13, 1995

CONCURRENCE WITH SA/M HYDROGEOLOGIST: Kevin Heaton DATE: July 10, 1995

CONCURRENCE WITH SA/M SUPERVISOR: Larry Bodenhamer DATE: July 6, 1995

DISPOSAL AND REMEDIATION SUMMARY

CAUSE AND TYPE OF RELEASE: Spillage of waste oil from 55 gallon capacity drums.

TYPE OF REMEDIATION USED AT SITE: Excavation of petroleum contaminated soil.

QUANTITY OF SOIL DISPOSED: 40,000 pounds MANIFESTS PROVIDED? YES

DISPOSAL LOCATION: Chemical Waste Management, 35251 Old Skyline Road, Kettleman Hills, CA

CLEANUP LEVELS ESTABLISHED: 100 ppm Total Recoverable Petroleum Hydrocarbons (TRPH)

MAXIMUM CONCENTRATIONS REMAINING ON SITE:

	8015/DEH - TPH	418.1 - TRPH	BTXE
SOIL	ND	<100 ppm TRPH	ND
WATER	NA	NA	NA

	VOLATILE ORG.	SEMIVOLATILE ORG.	HALOGENATED ORG.
SOIL	ND	NA	ND
WATER	NA	NA	NA

	PESTICIDES & PCB'S	TOTAL LEAD	HEAVY METALS
SOIL	NA	ND	ND
WATER	NA	NA	NA

NA = Not Analyzed ND = Not Detected

ADDITIONAL COMMENTS: Waste oil had spilled/leaked onto the ground surface from 55 gallon capacity drums that were stored in the yard alongside of the workshop. Soil contaminated with the oil was removed, and over 20 soil samples were collected and analyzed from the 10 foot by 15 foot excavation that extended to depths of up to 6 feet. Clean imported soil was used to back fill the pit.

H35322-001 Y Tire Sales, Inc.

1994, 2-55 gallon capacity drums of waste oil were stored on dirt lot. The oil drums were removed and the stained soil was excavated, after which the dirt lot paved over with asphalt.

9-26-94, 4 soil samples collected from 4 separate borings had 13 ppm at 15' & 16 ppm TRPH at 15', adjacent to building, and 110 ppm at 8' & 750 ppm TRPH at 6' adjacent to the former drum storage area.

3-13-95, SAM received Application For Assistance and $160.

3-17-95, report for cutting and removing asphalt and excavation of soil to depths of 1 to 6.5'. Samples collected from excavation with spade and hand auger. Excavation down to 6' bg at some points, soil samples up to 750 at 4.2' bg. ND for BTEX and Chlorinates. Stockpiled soil on plastic and covered with same, screening(?) showed 11.7 mg/l lead STLC (non-RCRA hazardous waste). 40,000 pounds (as per telephone conversation with P.M.S.) contaminated soil hauled to Chemical Waste Management in Kettleman Hills, CA.

5-26-95, addendum report.

6-8-95, con. w/ D. Felix. Determined that additional assessment must take place west of YT-3 and south of YT-9 and/or the reason why the consultant believes that soil remaining on site has <100 ppm TRPH.

6-12-95, left tel. message for Robert Johnston of D&M.

6-15-95, left tel. message for Robert Johnston of D&M.

7-6-95, review of addendum report w/D. Felix. Determined that case should be closed.

7-10-95, con. w/K. Heaton, determined that the case is ready for closure.

7-13-95, con. w/C. Cheng of RWQCB. Determined that no further action is required and that the case is ready for closure.

H04518-001
11719 Woodside Ave, Lakeside CA

3/9/95
Bodenhamer spoke to Robert Johnston, Dames and Moore (541-0833). Johnston indicated the case to be very simple, an area where leaking waste oil drums were stored. Johnston indicated previous soil testing for TPH revealed contamination. Johnston indicated BTX&E had not been performed. Bodenhamer explained that lab test for solvents must be done. Johnston said he would perform an 8010 and 8020. Johnston said he would send an addendum to the the package. The add. will include a justification for not doing PCB. Bodenhamer requested photographs of the site.

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH

FOR SAM USE:
Date Received _____
Submittal Fee Paid _____
Establishment # _____

SITE ASSESSMENT AND MITIGATION DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

APPLICATION FOR ASSISTANCE

INFORMATION FOR REVIEW OF SITE ASSESSMENT PROJECTS

(PLEASE READ BOTH SIDES OF THIS FORM CAREFULLY PRIOR TO SUBMITTAL)

A. Site Name: Y Tire Sales — Assessors Parcel Number: 382-220-00

Site Address: 11719 Woodside Avenue, Lakeside, California
Street — City — Zip Code

B. Property Owner: Mr. Guy De Lisa

Mailing Address: 750 State Street #224, San Diego, California 92101
Street — City — Zip Code

Contact Person: Mr. Guy De Lisa — Telephone: (619 234-0008

C. Application Submitted by:

Contact Person: Robert G. Johnston — Telephone: (619 561-0833

Company Name: Dames & Moore

Mailing Address: 9665 Chesapeake Drive, Suite 201, San Diego, California 92123
Street — City — Zip Code

D. Brief Project Description: Review previous site assessment report prepared by Woodward Clyde Consultants dated October 20, 1994 relating to surficial used oil impacts; review Dames & Moore work plan dated February 17, 1995; review site assessment report prepared by Dames & Moore subsequent to work activities.

I accept the referral conditions on the reverse and agree to pay all costs associated with this request within 30 days of an invoice from Site Assessment and Mitigation Division.

Signature of Applicant — Date: 2/22/95

(FOR REGIONAL WATER QUALITY CONTROL BOARD USE ONLY)

The Regional Water Quality Control Board agrees to release this project to SAM for oversight assistance.

Date 3-9-95 Authorized By John P. Anderson

DEH:HM-990 (1/95)

Woodward-Clyde

Engineering & sciences applied to the earth & its environment

October 20, 1994
Project No. 9453115M-0001

Patrick O'Connor, Esq.
Fishbeck, Oberndorfer, Waters & O'Connor
5464 Grossmont Center Drive, Third Floor
La Mesa, CA 91942

SOIL CONTAMINATION ASSESSMENT
Y TIRE SALES INC.
11719 WOODSIDE
LAKESIDE, CALIFORNIA

Dear Mr. O'Connor:

Woodward-Clyde Consultants (WCC) is pleased to provide Fishbeck, Oberndorfer, Waters & O'Connor (FOWO) this report of soil sampling and chemical testing at the Y Tire Sales Inc. (Y Tire) property located at 11719 Woodside in Lakeside, California. Our work was conducted in accordance with our proposal dated September 9, 1994.

PURPOSE

The primary purpose of the soil sampling and chemical testing was to assess the presence of petroleum hydrocarbons in shallow soils beneath the asphalt in the area adjacent to the south side of the building where two drums of reportedly waste oil, used tires and other miscellaneous auto parts were formerly stored. As part of site cleanup, the previous tenant removed the drums and stained soils and then paved the area prior to vacating the site.

SCOPE OF WORK

The scope of work included in our September 9, 1994 proposal included the following:

- Collecting two soil samples immediately beneath the asphalt using a hand auger
- Analyzing the soil samples for total recoverable petroleum hydrocarbons (TRPH)
- Preparing a letter report summarizing the findings

During the field sampling program, Mr. Patrick O'Connor requested that two additional soil samples be collected and tested for total recoverable petroleum hydrocarbons (TRPH). In addition, following review of the TRPH laboratory data, Mr. O'Connor requested that two

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of the soil samples be additionally tested to identify the types of petroleum hydrocarbons detected in the soil samples.

SOIL SAMPLING

Soil sampling was conducted on September 26, 1994 in the area adjacent to the south side of the building. Sampling was conducted using a hand auger. Prior to sampling, Penhall Company cut a 6 inch by 4 inch area of the asphalt at each sample location. The soil samples were then collected from 6 to 15 inches below the asphalt. Soil sampling was conducted in accordance with the County of San Diego Environmental Health Services, Site Assessment and Mitigation (SAM) Division Manual.

Samples B-1 and B-2 were collected approximately 1 foot and 2 feet out, respectively, from the building at a distance of approximately 10 to 15 feet from the former drum storage location along the building where soil staining had been observed. Samples B-3 and B-4 were collected from the area that had been identified as drum storage location based on available information approximately 3 feet out from the building. Soil samples were screened in the field for volatile organic compounds using an organic vapor analyzer (OVA).

LABORATORY ANALYSIS AND RESULTS

The four soil samples were submitted to Analytical Technologies, Inc. (ATI) in San Diego for laboratory analysis for TRPH by EPA Method 418.1. The results of laboratory analysis are shown in Table 1. Based on the results of the TRPH analysis, two samples (Sample No. B-1 and B-3) were additionally analyzed using modified EPA Method 8015 to identify the type of petroleum hydrocarbon detected in these soil samples. Copies of laboratory reports and chain-of-custody forms are attached to this letter.

As indicated in Table 1, TRPH were detected in the former drum storage areas with 750 parts per million (ppm) TRPH at location B-3 and 110 ppm at location B-1. The samples containing 750 ppm (B-3) and 16 ppm (B-1) TRPH were additionally tested using modified EPA method 8015 quantified using gasoline, diesel fuel, and 30W motor oil standards. Sample B-3 contained 820 ppm total petroleum hydrocarbons (TPH) quantified as 30W motor oil and 120 ppm TPH quantified as diesel. Sample B-1 contained 37 ppm quantified as 30W motor oil and non-detectable (<5 ppm) levels of TPH quantified as diesel fuel. Gasoline was not detected in the two soil samples analyzed by modified EPA Method 8015.

CONCLUSIONS

TRPH were detected in the four soil samples tested at concentrations ranging from 13 ppm to 750 ppm. The maximum detected concentrations of TRPH were present near the former drum storage area. Based on the laboratory testing, the detected petroleum hydrocarbons fall within the carbon range of hydrocarbons that are present in diesel fuel (carbon range C_{14} to C_{24+}) and 30W motor oil (C_{25}-C_{36}).

The site is located in the Santee Hydrologic Subarea of San Diego Hydrologic Unit which has been designated by the California Regional Water Quality Control Board (RWQCB) as having groundwater suitable for beneficial uses. Therefore, cleanup levels for soils in the vicinity of the site may be as low as 100 ppm. Assuming that 100 ppm is applicable to the site, remediation of soil with TRPH exceeding 100 ppm may be necessary at the site.

The above data indicate that petroleum-hydrocarbon-impacted soils are present in the former drum storage area to a depth of approximately 15 inches below the asphalt. Soil sampling at depths greater than 15 inches is necessary to assess the vertical extent of contamination.

UNCERTAINTY AND LIMITATIONS

Geology and geochemistry are inexact sciences, and investigative data commonly contain uncertainties. The behavior of petroleum hydrocarbons and other contaminants in soil and groundwater are complex phenomena. Our judgements and conclusions are based on the analytical data presented in this report and our experiences on other similar projects. The available data do not preclude the presence of materials at other locations on the subject site which presently, or in the future, may be considered hazardous. We performed our services in accordance with professional standards for contamination assessment investigations; no guarantees are either expressed or implied.

If you have any questions, please do not hesitate to contact me.

Very truly yours,

WOODWARD-CLYDE CONSULTANTS

Mehdi Miremadi
Project Manager

MM/sll

TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS
Y TIRE PROPERTY

Concentrations reported in mg/kg (ppm)

Sample ID	Sample Location	Sample Depth (inches below asphalt)	TRPH	TPH
B-1	adjacent to building	15	16	37/ND
B-2	adjacent to building	15	13	NA
B-3	former drum storage location	6	750	820/120
B-4	former drum storage location	8	110	NA

Notes:

TRPH: Total Recoverable Petroleum Hydrocarbons by EPA Method 418.1.
TPH: Total Petroleum Hydrocarbons by modified EPA Method 8015.
ND: Not detected
NA: Not analyzed
820/120: Quantified as 30W motor oil/diesel fuel

1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108
PH: (619) 294-9400

Woodward-Clyde

FAX: (619) 293-7920

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Transmitted By:

Name MEHDI MIREMADI Date 10-20-94

Number of Pages (including cover sheet) 5

Please Deliver To:

Name Patrick O'Connor

Company Fischbeck, Obersdorfer, Waters, O'Connor

Fax No. 464-6471 Office PH: _____

Subject ~~Y-Tire~~ Project No. _____

Remarks:

enclosed is a copy of the Y-Tire sampling report. Hard copy is in the mail. Please call if you have any questions.

We are transmitting from Fax No. (619) 293-7920.
If you do not receive all pages or if the transmission is not legible, please contact the sender at your earliest convenience.

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DAMES & MOORE
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(619) 541-0833 FAX: (619) 541-0890

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ENVIRONMENT,
HEALTH SERVICES

June 29, 1995

San Diego County of Environmental Health (DEH)
Site Assessment and Mitigation Division (SAM)
1255 Imperial Avenue
San Diego, California 92101

Attention: Mr. Mark Fitzmaurice

Y Tire Sales
11719 Woodside Avenue
Lakeside, California
Consultation Letter
D&M Job No. 30431-001-131

Dear Mr. Fitzmaurice:

In accordance with your verbal request, Dames & Moore has prepared this additional letter to address the comments by the County of San Diego Site Assessment Mitigation Division (SAM) concerning Dames & Moore's letter dated May 26, 1995. This previous letter was submitted at the request of Mr. Fitzmaurice to provide additional information on the location of the Woodward Clyde boreholes, the location of waste oil drums and other debris, and the rationale for the deeper excavations in certain areas of the excavation.

Pursuant to a recent telephone request, SAM is desirous of additional information concerning confirmation sampling or evaluation west of Sample No. YT-3 and south of Sample No. YT-9.

A review of the previously submitted report entitled "Limited Soil Sampling Report for Y Tire Sales," dated May 2, 1995, submitted to the County of San Diego SAM for review, indicates that Sample No. YT-3 was obtained at a depth of 4.2 feet and yielded a concentration for 750 mg/kg utilizing EPA Test Method 418.1 for Total Recoverable

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SDO/006/B26

Petroleum Hydrocarbons (TRPH). In addition, Sample YT-9 obtained at a depth of approximately 2 to 2-1/2 feet yielded a concentration for 760 mg/kg TRPH.

Due to the sporadic source (waste oil drums), Dames & Moore utilize both olfactory and visual observations during the excavation activities. Although samples were not obtained immediately south of YT-9, olfactory and visual observations indicate that the edge of the excavation did not contain indicators suggestive of TRPH impacts. Such indicators are typically manifested by olfactory parameters and by soil discoloration. This consistent pattern was observed during the previous portions of the field excavation.

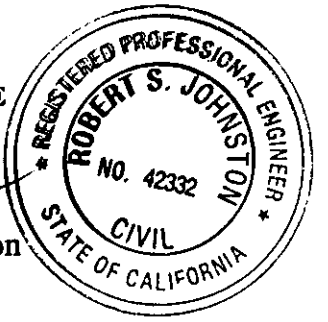
A similar case occurred for Sample No. YT-3. Over-excavation also occurred in this area to a depth of approximately 6 feet below the ground surface (bgs) where soil samples (vertically) and field indicators (laterally) indicated that TRPH impacted soils had been removed from the excavation.

It should be recognized that Dames & Moore obtained over 20 soil samples from a relatively small excavation (10 foot x 15 foot). The density of samples obtained and the results further confirm the above postulation.

We would be pleased to discuss this case further if the need arises. If you have any questions, please contact the undersigned at your convenience.

Very truly yours,

DAMES & MOORE



Robert S. Johnston
Associate

RSJ:jas
30431-001-131
SDO/006/B26

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HEALTH SERVICES

May 26, 1995

San Diego County
Department of Environmental Health (DHE)
Site Assessment Mitigation (SAM)
1255 Imperial Avenue
San Diego, California 92101

Attention: Mr. Mark Fitzmaurice

Y Tire Sales
11719 Woodside Avenue, Lakeside, California
Consultation Letter
D&M Job No. 30431-001-131

Dear Mr. Fitzmaurice:

In accordance with your request, Dames & Moore has prepared this supplementary consultation letter to provide additional information concerning the subject site. Dames & Moore previously submitted a report entitled "Limited Soil Sampling Report for Y Tire Sales," dated May 2, 1995 to the County of San Diego SAM for review.

Pursuant to your telephone request, Dames & Moore has obtained additional information from the owner of the site regarding the following items:

- ***Woodward-Clyde Bore Hole Locations***

  The Woodward-Clyde Consultants Report dated October 20, 1994 indicates that four bore holes were excavated to depths of approximately 18-inches below the existing ground surface. The approximate location of the bore hole locations was not included in the Woodward-Clyde report. However, the owner of the facility, Mr. Guy De Lisa, measured the locations of the bore holes; the bore holes are plotted on the attached Site Plan (Figure 2).

- ***Location of Waste Oil Drums and Other Debris***

  The approximate location of the three waste oil drums observed in attached pictures are also shown on the Site Plan. In addition, numerous abandoned wheels are shown on the Site Plan. It should be recognized that the locations of these items are predicated solely on the pictures provided for our use. Additionally, the pictures exhibit discoloration along the walls of the building in the waste oil storage area.

- ***Rationale for Deeper Excavations***

  The Work Plan proposed the overall excavation of the waste oil storage area to a depth of approximately 24 inches. However, the excavation was deepened in areas due to the field observations and results of laboratory tests. The attached Site Plan (Figure 2) identifies dashed areas where deeper excavations were performed based on observations during the sampling activities and upon the results of the analytical laboratory tests.

- ***Sample Selections at Bottom of Excavation***

  Conversations with Mr. Larry Bodenhamer of the County of San Diego SAM indicated samples obtained from the bottom of the proposed excavation (approximately 24 inches) be analyzed for the presence of solvents (EPA Test Method 8010) and volatile aromatics (EPA Test Method 8020). The rationale presented by Mr. Bodenhamer focused on the migration of solvents (possibly present in the waste oil) in advance of the waste oil migration (as measured by EPA Test Method 418.1) due to the lower viscosity and higher solubility of the possible solvents postulated to be present in waste oil.

We hope this information meets with your approval; we look forward to discussing this case with you at your earliest convenience to evaluate the procedures for obtaining a closure letter.

If you have any questions, please contact the undersigned at your convenience.

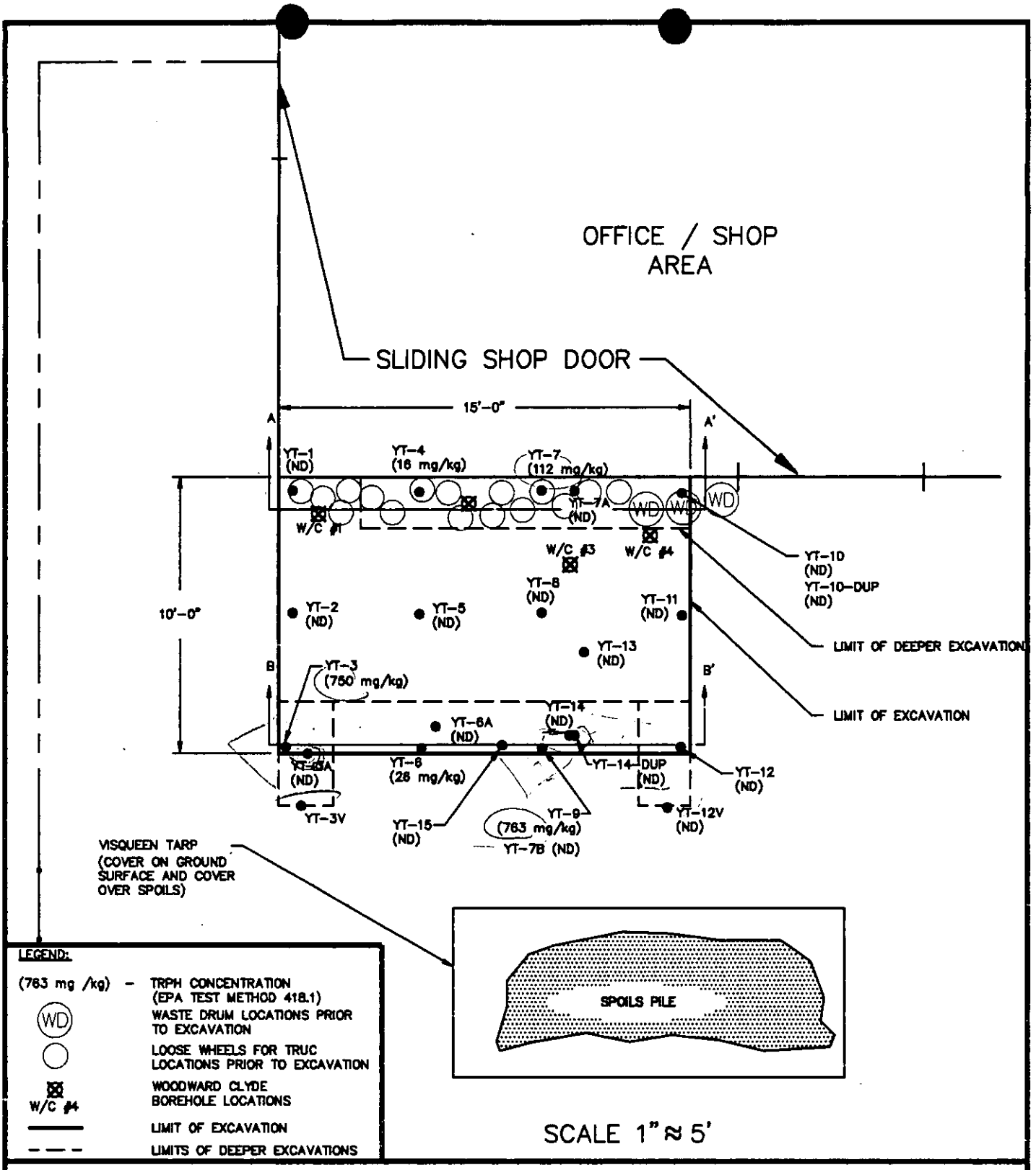
Very truly yours,

DAMES & MOORE

Robert S. Johnston
Associate

Attachments: Site Plan (Figure 2) and Photographs

c: Melody Harris, Attorney-at-Law
401 West "A" Street, Suite 2100
San Diego, California 92101



SITE PLAN
Y TIRE FACILITY
LEASED PROPERTY
LAKESIDE, CALIFORNIA
PREPARED FOR
D&M Job No. 30431-001-131

DAMES & MOORE
FIGURE 2



Photograph 1



Photograph 2

H35322-001

DAMES & MOORE
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(619) 541-0833 FAX: (619) 541-0890

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ENVIRONMENTAL
HEALTH SERVICES

May 2, 1995

Mr. Guy De Lisa
750 State Street, #224
San Diego, California 92101

Limited Soil Sampling Activities
Y Tire Sales, Inc.
11719 Woodside Avenue
Lakeside, California
For Mr. Guy De Lisa
D&M Job No. 30431-001-131

Dear Mr. De Lisa:

Pursuant to the request of Mr. Guy De Lisa, Dames & Moore has performed limited soil sampling and excavation observation activities at the subject site. The site is located at 11719 Woodside Avenue in Lakeside, California.

The accompanying report summarizes the results of the field activities and the analytical testing performed. The report also summarizes the removal of the impacted soils offsite by the generator, Mr. Felix Dupuy of Y Tire Sales.

As requested by Ms. Melody Harris in a telephone conversation on April 26, 1995, a copy of this report is also being submitted to the County of San Diego, Site Assessment Mitigation Division (SAM), to the attention of Mr. Larry Bodenhamer.

If you have any questions concerning the contents of this report, please contact the undersigned at your convenience.

Very truly yours,

DAMES & MOORE

Robert S. Johnston
RCE 42332
Associate

Enclosure: 2 copies report

c: Melody Harris, Attorney at Law
Larry Bodenhamer, County of San Diego SAM

DEH.
RECVD May 2, 1995 LEG

H35322-001

REPORT
LIMITED SOIL SAMPLING ACTIVITIES
Y TIRE SALES, INC.
11719 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA
FOR MR. GUY DE LISA

DAMES & MOORE

Job No. 30431-001-131
May 2, 1995

REPORT
LIMITED SOIL SAMPLING ACTIVITIES
Y TIRE SALES, INC.
11719 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA
FOR MR. GUY DE LISA

Job No. 30431-001-131
May 2, 1995

Prepared by:

DAMES & MOORE

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TABLE

1	Summary of Analytical Test Results

FIGURES

1	Vicinity Map
2	Site Plan
3	Cross-Sections A-A' and B-B'

APPENDICES

A	WWC Report, dated October 20, 1994
B	Dames & Moore Work Plan/Health and Safety Plan
C	Laboratory Results
D	Hazardous Waste Manifests

1.0 INTRODUCTION

This report presents the results of the limited soil sampling and excavation observation activities conducted at the subject site. The site is located at 11719 Woodside Avenue in Lakeside, California. The approximate location of the site is outlined on the Site Plan (Figure 1).

1.1 BACKGROUND

Mr. Robert Johnston of Dames & Moore accompanied Ms. Melody Harris, Attorney-at-Law, during a site visit on Friday, December 2, 1994. The site visit indicated that the property is occupied by a garage-type structure formerly utilized by Y Tire Sales, Inc. (Y Tire). Mr. Guy De Lisa, property owner, was also present on site and indicated the area previously sampled by Woodward-Clyde Consultants (WWC), as outlined in the letter report dated October 20, 1994. Four patched boreholes were observed during the site visit. A copy of the WWC report is presented in Appendix A.

A review of the above-referenced WWC report indicates that four hand-auger borings were excavated adjacent to the garage structure and in the vicinity of the former waste oil drum storage area. The hand-augers were excavated to depths of approximately 16 inches below the top of the asphalt and yielded concentrations of Total Recoverable Petroleum Hydrocarbons (TRPH) utilizing EPA Test Method 418.1 ranging from 16 mg/kg to 750 mg/kg. In addition, Total Petroleum Hydrocarbons (TPH) using EPA Test Method 8015, were also measured in two of the borings with concentrations ranging from below detection limits to 820 mg/kg. The above report indicates that the TPH measured are characteristic of diesel fuels (carbon range C14 to C24) and 30 weight motor oil (carbon range C25 to C36). Additionally, the report indicates mitigation of the surface soils is likely; the California Regional Water Quality Control Board (RWQCB) has established the basin as having potential beneficial groundwater uses with tentative mitigation levels of 100 mg/kg in subsurface soils. The vertical extent of TRPH/TPH impacts had not been defined as of the date of the above report.

1.2 PURPOSE AND SCOPE

Based on the above information, the purpose of the environmental engineering services was to obtain additional information on the vertical and areal extent of TPH/TRPH impacts and to observe the excavation activities. The scope of services is outlined below:

- Prepared a Health and Safety Plan. A health and safety plan was prepared to outline the use of personal protective equipment (PPE) for Dames & Moore employees during the field activities. A copy of the plan is presented in Appendix B.

- Prepared a Work Plan. A work plan was prepared and submitted to the County of San Diego Site Assessment and Mitigation (SAM) Group outlining the proposed field activities.

- Prepared an Application for SAM Assistance form. The application for SAM Assistance Form was prepared to initiate the selection of a case worker at the County. The costs involve the submittal of a check for $160 (2 hours of a SAM case worker) to start the initial project review.

- Retained, as the client's agent, a subcontractor to initially excavate backhoe trenches in the vicinity of the drum storage area to attempt to identify the vertical and areal extent of impacted soils with TRPH/TPH in excess of 100 mg/kg.

- Performed observations during the field activities. A representative of Dames & Moore observed the excavation activities and collected soil samples for subsequent analysis.

- Retained a mobile laboratory to perform laboratory testing. A total of 17 samples were submitted to the mobile laboratory for TRPH analyses; two samples were submitted for volatile aromatics analyses utilizing EPA Test Method 8020, and one sample was submitted for purgable hydrocarbons analyses utilizing EPA Test Method 8010.

- Observed the contractor backfilling the excavations and placing asphalt.

2.0 PRE-FIELD ACTIVITIES

Pre-field activities were performed by representatives of Dames & Moore to provide planning and support for the proposed field activities. A summary of the pre-field activities are outlined below:

2.1 WORK PLAN

A work plan was prepared by Dames & Moore representatives and submitted to the County of San Diego SAM on February 22, 1995. A copy of the work plan is presented in Appendix B. Mr. Robert Johnston of Dames & Moore contacted Mr. Larry Bodenhamer of SAM to obtain approval of the work plan. Mr. Bodenhamer requested an additional sample be obtained at the bottom of the excavation and analyzed for the presence of purgable hydrocarbons utilizing EPA Test Method 8010.

2.2 HEALTH AND SAFETY PLAN

The Health and Safety Plan was prepared by representatives of Dames & Moore to provide guidelines for use of personal protective equipment (PPE) during the proposed field activities. The Plan was prepared and reviewed by a Dames & Moore Certified Industrial Hygienist. A copy of the Health and Safety Plan is also presented in Appendix B.

2.3 UNDERGROUND SERVICE ALERT

A representative of Dames & Moore contacted Underground Service Alert (USA) on March 16, 1995. The USA services number of 42542 was obtained for the project.

3.0 FIELD ACTIVITIES AND RESULTS

3.1 EXCAVATION ACTIVITIES

The excavation activities were conducted on March 17, 1995 by Ace Excavation of El Cajon of California. Ace Excavation initially saw-cut the area to be excavated and removed the asphalt concrete. The area was excavated to a depth of 12 to 18 inches and soil samples

obtained from the bottom of the excavation. The soil samples were submitted to the on-site mobil laboratory (TEG) by a representative of Dames & Moore.

which ones? does not make sense.

Based upon the results of the samples, additional excavation was warranted in the eastern portion of the excavation. Limited debris, including some gravel, was observed in the excavation. These materials were excavated and were placed on the spoils pile as outlined in Figure 2.

3.2 SAMPLING ACTIVITIES

Sampling activities were conducted by a representative of Dames & Moore during the remedial excavation operations. The sampling activities were conducted by utilizing a pre-cleaned stainless steel spade and/or four inch diameter stainless steel hand-auger, obtaining the samples for analysis by the on-site mobile laboratory. The spade/hand auger was precleaned using an alconox solution with a double tap water use rinse. Due to the results of sampling and visual observations, areas near the building and near the edge of the excavation, were re-excavated to depths of approximately 2 to 6-1/2 feet below the existing ground surface.

The approximate location of soil samples obtained at the bottom of the excavation are shown on Figure 2. Cross-section depicting the location of the soil samples obtained are presented as Figure 3.

The results of laboratory tests performed are outlined in Table 1. The results indicate that three soil samples (Soil Sample YT-7, YT-9, and YT-3) yielded concentrations in excess of 100 milligrams/kilograms of TRPH utilizing EPA Test Method 418.1. In addition, due to the concentrations encountered in along the southern excavation side-wall sample, YT-13 and YT-14 was also analyzed for the presence of volatile aromatics utilizing EPA Test Method 8020. The results of the aromatic analysis yielded concentrations less than the analytical test methods.

Southern Excavation?

Due to the results obtained from YT-7, YT-3, and YT-9, additional excavation activities were performed along the building edge and along the southern edge of the excavation. Additional samples obtained in the vicinity of YT-3 and YT-7 yielded concentrations below analytical detection methods (Soil Samples YT-3A, YT-3V and YT-7). The area representative of YT-9 was over-excavated with peripheral sampling conducted (YT-6A,

YT-15, and YT-14) to further confirm that the area excavated in the vicinity of YT-9 was isolated. Soil Sample YT-7B was also obtained below YT-9 at a depth of 3.9 feet; the results indicated concentrations of TRPH below detection limits as outlined by EPA Test Method 418.1.

The analytical results are summarized on Table 1 with copies of the laboratory reports presented in Appendix C.

3.3 DISPOSAL OF EXCAVATED MATERIALS

The excavated materials were stockpiled on visqueen and covered with visqueen in the location shown on the Site Plan (Figure 2). The generator, Y Tire Sales, Inc., requested Falcon Disposal Services, Inc./PMS Transportation for a screening profile from the materials excavated. The screening profile indicated that concentrations of lead exceeded the California Code of Regulations (CCR), Title 22, Soluble Threshold Limit Concentration (STLC). The lead concentration measure was 11.7 mg/l, which is in excess of the 5.0 mg/l threshold. The materials were subsequently classified as a non-RCRA hazardous waste and transported offsite by Falcon Disposal Services (under the direction of Y Tire Sales, Inc.) on April 7, 1995. Copies of the analytical screening results and the Uniform Hazardous Waste Manifests are presented in Appendix D.

4.0 FINDINGS AND CONCLUSIONS

1. A review of the Woodward-Clyde Consultants report dated October 20, 1994 indicates that releases from storage of waste oil at the Y Tire Sales property resulted in surficial impacts to the soil behind the existing garage structure. The impacts measured ranged from 13 to 750 mg/kg utilizing EPA Test Method 418.1.

2. A work plan was submitted to the County of San Diego SAM to perform limited soil sampling/excavation observations in this area. Mr. Roberts S. Johnston of Dames & Moore confirmed approval of the work plan with Mr. Larry Bodenhamer of SAM. The approval was predicated on the analysis of additional soil samples from the bottom of the excavation for purgable hydrocarbons utilizing EPA Test Method 8010 and for volatile aromatics utilizing EPA Test Method 8020.

3. The limited excavation activities were performed on March 17, 1995. The excavation activities originally were proposed for 1-1/2 to 2 feet in depth, however, the results of the TRPH tests and visual observations required additional excavation along the building and along the southern excavation edge.

4. The results of soil samples analyzed for the presence for TRPH obtained at the limits of the excavation indicated concentrations of less than 100 mg/kg.

5. The results of the soil samples obtained and analyzed for the presence of purgable hydrocarbons halocarbons, utilizing EPA Test Method 8010, and volatile aromatics, utilizing EPA Test Method 8020 indicated concentrations in the soil samples analyzed of less than the analytical detection limits.

6. The materials excavated were screened and were demonstrated by Y Tire Sales, Inc. to contain concentrations of lead that rendered the materials hazardous in accordance with CCR Title 22. The presence of lead is typically associated with waste oil impacts; although lead was not a target analyte in the samples analyzed at the limits of the excavation, the fate and transport of lead is influenced by the presence of TRPH (waste oil) and is not expected to be present at the limits of the excavation without the presence of waste oil. As demonstrated above, soil samples obtained from the limits of the excavation did not contain concentrations above 100 mg/kg of TRPH. 4T3, 4T7 ?

7. The material excavated was transported to the Kettleman Hills Hazardous Waste Management Facility under the direction of the generator, Y Tire Sales.

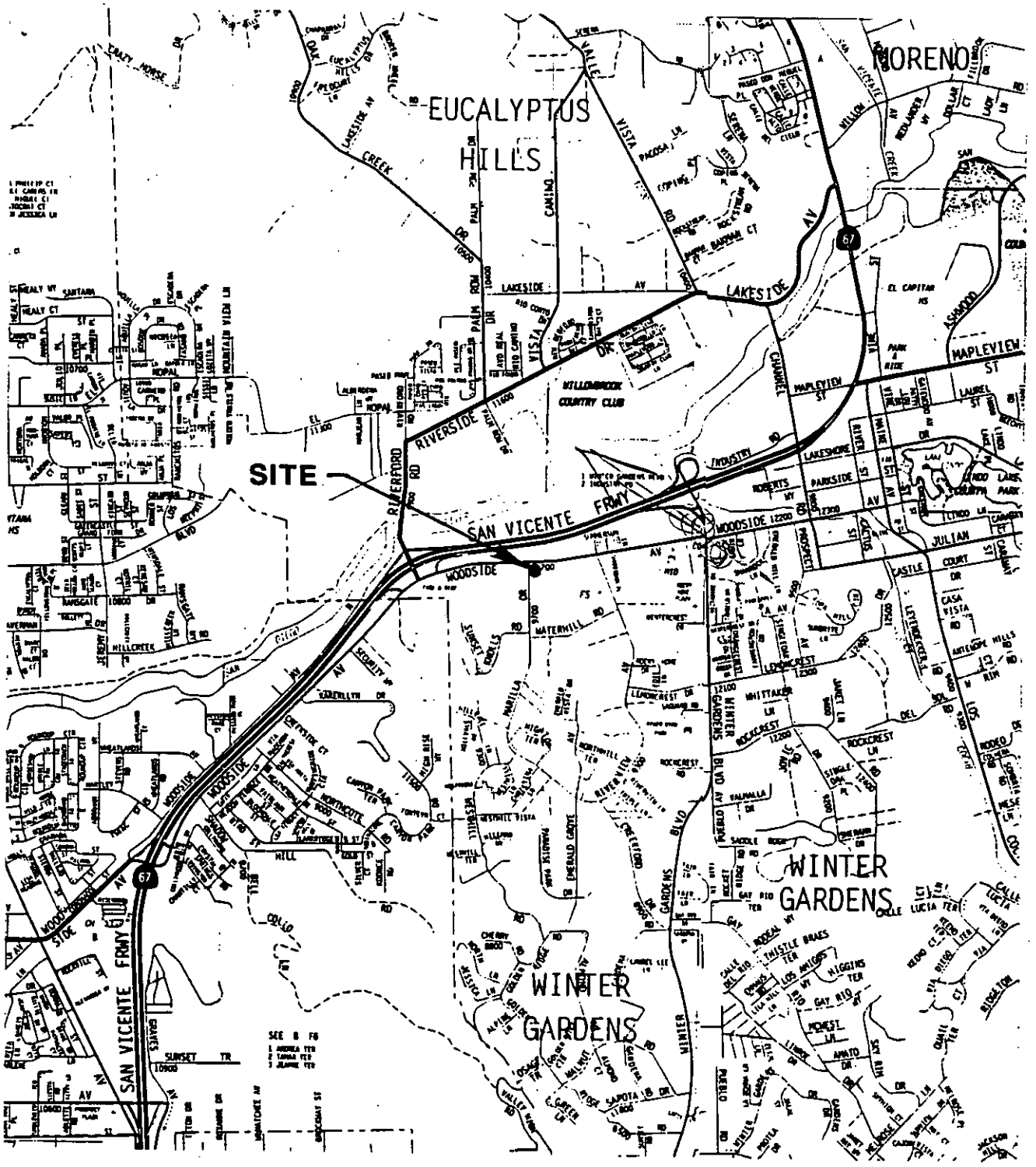
8. Based on the above information, it is requested that the County of San Diego SAM review the report and issue an opinion letter concerning the necessity of further action relating to the previous referenced waste oil release on the property.

TABLE 1

SUMMARY OF ANALYTICAL TEST RESULTS

Total Recoverable Petroleum Hydrocarbons
EPA Test Method 418.1

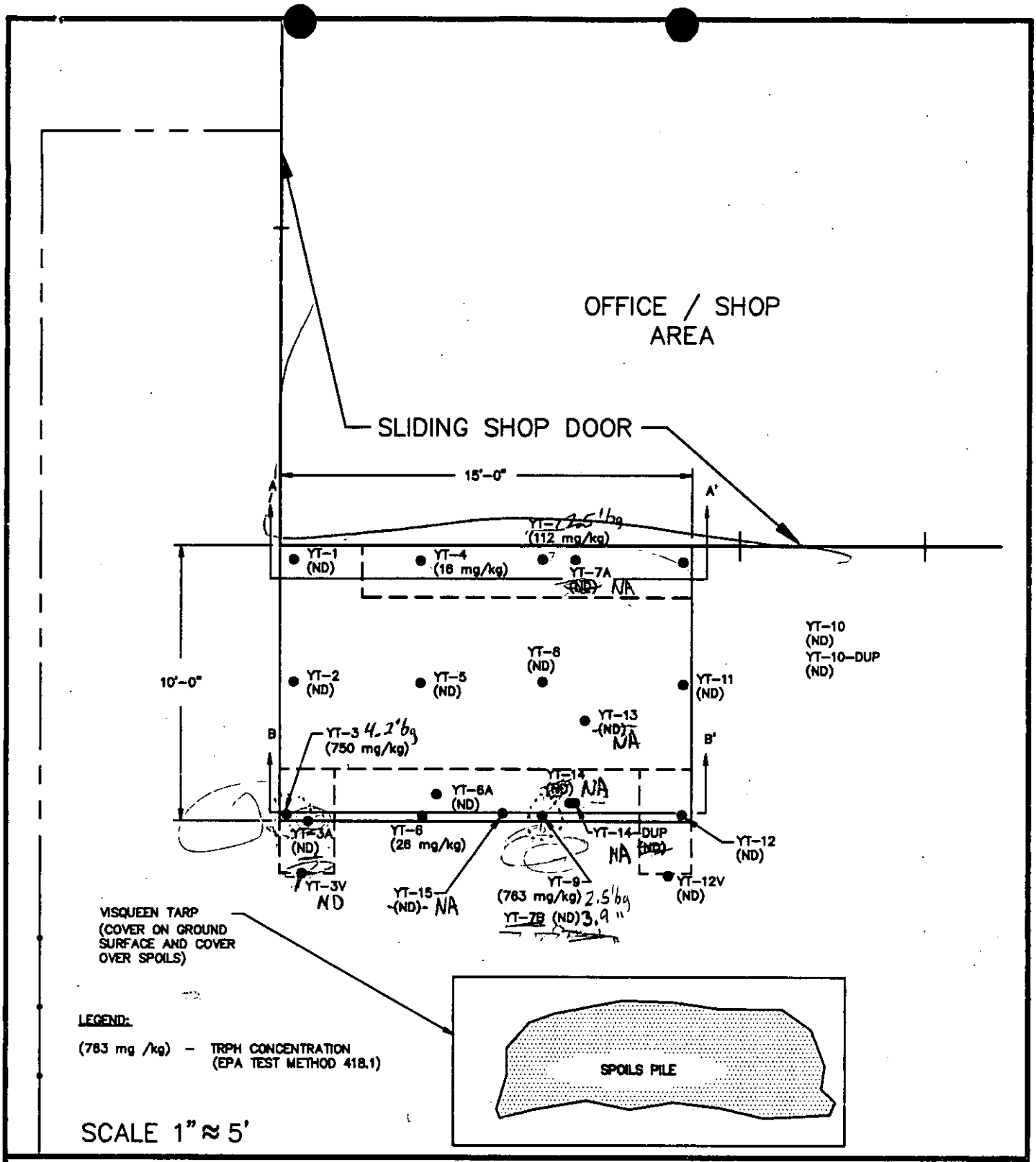
Sample Number	Depth (feet)	TRPH Concentrations (mg/kg)
YT-1	2.1	< 10
YT-2	2.5	< 10
YT-3	4.2	750
YT-3 A	6.0	< 10
YT-3 V	2.0	< 10
YT-4	2.1	16
YT-5	2.5	< 10
YT-6	2.5	26
YT-6 A	2.5	< 10
YT-7	2.5	112
YT-7 A	3.0	NA
YT-7 B	3.9	< 10
YT-8	2.5	< 10
YT-9	2.5	763
YT-10	3.0	< 10
YT-10 *dup*	3.0	< 10
YT-11	2.2	< 10
YT-12	4.0	< 10
YT-12 V	2.0	< 10
YT-13	1.0	NA
YT-14	2.5	NA
YT-14 *dup*	2.5	NA
YT-15	2.0 - 2.5	NA



REFERENCE: The Thomas Bros. Guide, 1994 pgs. 1231, and 1232, "reproduced with the permission granted by Thomas Bros. Maps. This map is copyrighted by Thomas Bros. Maps. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without permission."

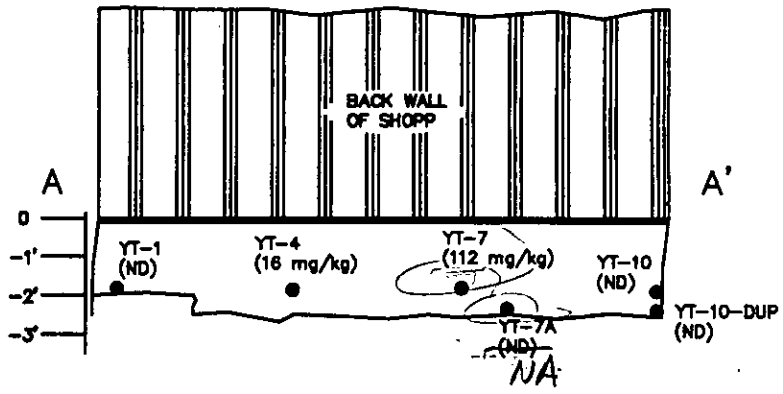
VICINITY MAP
Y TIRE FACILITY
LEASED PROPERTY
LAKESIDE, CALIFORNIA
PREPARED FOR
D&M Job No. 30431-001-131

DAMES & MOORE
FIGURE 1

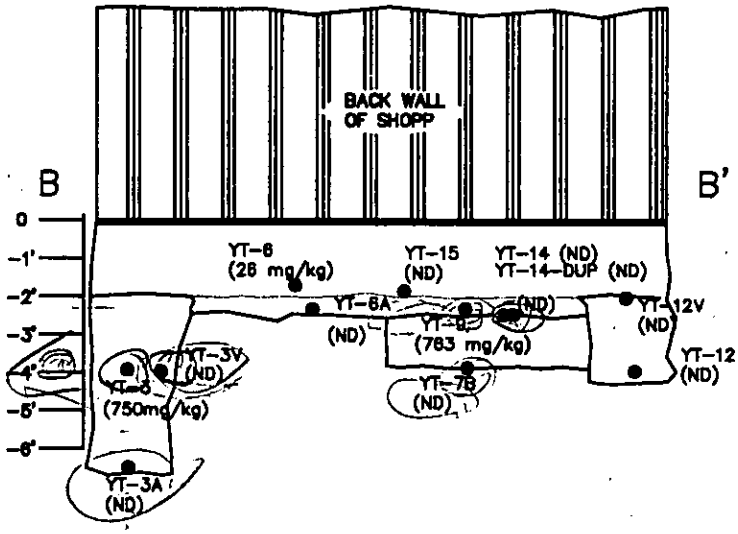


SITE PLAN
Y TIRE FACILITY
LEASED PROPERTY
LAKESIDE, CALIFORNIA
PREPARED FOR
D&M Job No. 30431-001-131

DAMES & MOORE
FIGURE 2



CROSS-SECTION A - A'



CROSS-SECTION B - B'

LEGEND:

(763 mg /kg) - TRPH CONCENTRATION (EPA TEST METHOD 418.1)

SCALE 1" ≈ 5'

N

CROSS-SECTIONS
A - A' AND B - B'
Y TIRE FACILITY
LEASED PROPERTY
LAKESIDE, CALIFORNIA
PREPARED FOR
D&M Job No. 30431-001-131

DAMES & MOORE
FIGURE 3

EXHIBIT B

October 20, 1994
Project No. 9453115M-0001

Patrick O'Connor, Esq.
Fishbeck, Oberndorfer, Waters & O'Connor
5464 Grossmont Center Drive, Third Floor
La Mesa, CA 91942

SOIL CONTAMINATION ASSESSMENT
Y TIRE SALES INC.
11719 WOODSIDE
LAKESIDE, CALIFORNIA

Dear Mr. O'Connor:

Woodward-Clyde Consultants (WCC) is pleased to provide Fishbeck, Oberndorfer, Waters & O'Connor (FOWO) this report of soil sampling and chemical testing at the Y Tire Sales Inc. (Y Tire) property located at 11719 Woodside in Lakeside, California. Our work was conducted in accordance with our proposal dated September 9, 1994.

PURPOSE

The primary purpose of the soil sampling and chemical testing was to assess the presence of petroleum hydrocarbons in shallow soils beneath the asphalt in the area adjacent to the south side of the building where two drums of reportedly waste oil, used tires and other miscellaneous auto parts were formerly stored. As part of site cleanup, the previous tenant removed the drums and stained soils and then paved the area prior to vacating the site.

SCOPE OF WORK

The scope of work included in our September 9, 1994 proposal included the following:

- Collecting two soil samples immediately beneath the asphalt using a hand auger
- Analyzing the soil samples for total recoverable petroleum hydrocarbons (TRPH)
- Preparing a letter report summarizing the findings

During the field sampling program, Mr. Patrick O'Connor requested that two additional soil samples be collected and tested for total recoverable petroleum hydrocarbons (TRPH). In addition, following review of the TRPH laboratory data, Mr. O'Connor requested that two

of the soil samples be additionally tested to identify the types of petroleum hydrocarbons detected in the soil samples.

SOIL SAMPLING

Soil sampling was conducted on September 26, 1994 in the area adjacent to the south side of the building. Sampling was conducted using a hand auger. Prior to sampling, Penhall Company cut a 6 inch by 4 inch area of the asphalt at each sample location. The soil samples were then collected from 6 to 15 inches below the asphalt. Soil sampling was conducted in accordance with the County of San Diego Environmental Health Services, Site Assessment and Mitigation (SAM) Division Manual.

Samples B-1 and B-2 were collected approximately 1 foot and 2 feet out, respectively, from the building at a distance of approximately 10 to 15 feet from the former drum storage location along the building where soil staining had been observed. Samples B-3 and B-4 were collected from the area that had been identified as drum storage location based on available information approximately 3 feet out from the building. Soil samples were screened in the field for volatile organic compounds using an organic vapor analyzer (OVA).

LABORATORY ANALYSIS AND RESULTS

The four soil samples were submitted to Analytical Technologies, Inc. (ATI) in San Diego for laboratory analysis for TRPH by EPA Method 418.1. The results of laboratory analysis are shown in Table 1. Based on the results of the TRPH analysis, two samples (Sample No. B-1 and B-3) were additionally analyzed using modified EPA Method 8015 to identify the type of petroleum hydrocarbon detected in these soil samples. Copies of laboratory reports and chain-of-custody forms are attached to this letter.

As indicated in Table 1, TRPH were detected in the former drum storage areas with 750 parts per million (ppm) TRPH at location B-3 and 110 ppm at location B-1. The samples containing 750 ppm (B-3) and 16 ppm (B-1) TRPH were additionally tested using modified EPA method 8015 quantified using gasoline, diesel fuel, and 30W motor oil standards. Sample B-3 contained 820 ppm total petroleum hydrocarbons (TPH) quantified as 30W motor oil and 120 ppm TPH quantified as diesel. Sample B-1 contained 37 ppm quantified as 30W motor oil and non-detectable (<5 ppm) levels of TPH quantified as diesel fuel. Gasoline was not detected in the two soil samples analyzed by modified EPA Method 8015.

CONCLUSIONS

TRPH were detected in the four soil samples tested at concentrations ranging from 13 ppm to 750 ppm. The maximum detected concentrations of TRPH were present near the former drum storage area. Based on the laboratory testing, the detected petroleum hydrocarbons fall within the carbon range of hydrocarbons that are present in diesel fuel (carbon range C_{14} to C_{24+}) and 30W motor oil (C_{25}-C_{36}).

The site is located in the Santee Hydrologic Subarea of San Diego Hydrologic Unit which has been designated by the California Regional Water Quality Control Board (RWQCB) as having groundwater suitable for beneficial uses. Therefore, cleanup levels for soils in the vicinity of the site may be as low as 100 ppm. Assuming that 100 ppm is applicable to the site, remediation of soil with TRPH exceeding 100 ppm may be necessary at the site.

The above data indicate that petroleum-hydrocarbon-impacted soils are present in the former drum storage area to a depth of approximately 15 inches below the asphalt. Soil sampling at depths greater than 15 inches is necessary to assess the vertical extent of contamination.

UNCERTAINTY AND LIMITATIONS

Geology and geochemistry are inexact sciences, and investigative data commonly contain uncertainties. The behavior of petroleum hydrocarbons and other contaminants in soil and groundwater are complex phenomena. Our judgements and conclusions are based on the analytical data presented in this report and our experiences on other similar projects. The available data do not preclude the presence of materials at other locations on the subject site which presently, or in the future, may be considered hazardous. We performed our services in accordance with professional standards for contamination assessment investigations; no guarantees are either expressed or implied.

If you have any questions, please do not hesitate to contact me.

Very truly yours,

WOODWARD-CLYDE CONSULTANTS

Mehdi Miremadi
Project Manager

MM/sll

TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS
Y TIRE PROPERTY

Concentrations reported in mg/kg (ppm)

Sample ID	Sample Location	Sample Depth (inches below asphalt)	TRPH	TPH
B-1	adjacent to building	15	16	37/ND
B-2	adjacent to building	15	13	NA
B-3	former drum storage location	6	750	820/120
B-4	former drum storage location	8	110	NA

Notes:

TRPH: Total Recoverable Petroleum Hydrocarbons by EPA Method 418.1.
TPH: Total Petroleum Hydrocarbons by modified EPA Method 8015.
ND: Not detected
NA: Not analyzed
820/120: Quantified as 30W motor oil/diesel fuel

February 22, 1995

San Diego County
Department of Environmental Health (DHS)
Site Assessment Mitigation (SAM)
1255 Imperial Avenue
San Diego, California 92101

Attention: Mr. Larry Bodenhamer

Work Plan
Environmental Sampling Activities
Y Tire Sales, Inc.
11719 Woodside Avenue, Lakeside, California
Project No. 30431-001-131

Dear Mr. Bodenhamer:

Dames & Moore is pleased to present this work plan to perform environmental sampling activities at the above site. The site is located at 11719 Woodside Avenue in Lakeside, California.

BACKGROUND

Mr. Robert Johnston of Dames & Moore accompanied Ms. Melody Harris, Attorney-at-Law, during a site visit on Friday, December 2, 1994. The site visit indicates that the property is occupied by a garage-type structure formerly utilized by Y Tire Sales, Inc. (Y Tire). Mr. Guy De Lisa was also present on site and indicated the area previously sampled by Woodward-Clyde Consultants as outlined in their letter report dated October 20, 1994. Four patched boreholes were visible during the site visit.

A review of the above-referenced Woodward-Clyde report indicates that four hand auger borings were excavated adjacent to the garage structure and in the vicinity of the former waste oil drum storage area. The hand augers were excavated to depths of approximately 16 inches below the top of the asphalt and yielded concentrations of total recoverable petroleum hydrocarbons (TRPH) utilizing EPA Test Method 418.1 of 16 mg/kg to 750 mg/kg. In addition, total petroleum hydrocarbons (TPH) measured using EPA Test Method

8015 were also measured in two of the borings with concentrations ranging from below detection limits to 820 mg/kg. The above report indicates that the TPH measured are characteristic of the range of diesel fuels (carbon range C14 to C24) and 30 weight motor oil (carbon range C25 to C36). Additionally, the report indicates mitigation of the surface soils is likely; the California Regional Water Quality Control Board has set the area as having potential beneficial uses with tentative mitigation levels of 100 mg/kg in subsurface soils. The vertical extent of TRPH/TPH impacts had not been established as of the date of the above report.

PURPOSE AND SCOPE

Based on the above information, the purpose of the proposed environmental engineering services is to provide additional information on the vertical and areal extent of TPH/TRPH impacts. The scope of services is outlined below:

- Prepare a Health and Safety Plan. A health and safety plan will be prepared to outline the use of personal protective equipment (PPE) for Dames & Moore employees during the field activities.

- Retain, as the client's agent, a subcontractor to initially excavate backhoe trenches in the vicinity of the drum storage area to attempt to identify the vertical and areal extent of impacted soils with TRPH/TPH in excess of 100 mg/kg.

- Retain, as the client's agent, a subcontractor to perform remedial excavation activities. It is anticipated that the materials excavated would be placed on visqueen and covered with visqueen pending further characterization. It is also anticipated that the total amount excavated will be less than 15 cubic yards.

- Perform observations during the field activities. A representative of Dames & Moore will observe the excavation activities and collect soil samples for subsequent analysis;

- Retain a laboratory to perform TRPH analysis. For the purposes of this proposal, a total of five samples will be submitted to a laboratory for testing;
- Retain, as the owner's agent, a contractor to backfill the excavations and surface with asphalt;
- Prepare a limited letter report summarizing the results of the field activities and the analytical laboratory tests.

ESTIMATED SCHEDULE

It is anticipated that Dames & Moore will initiate the field activities during the last week of February 1995 with the final report ready for issue the second week of March 1995.

If you have any questions regarding the contents of this work plan, please contact the undersigned at your convenience.

Very truly yours,

DAMES & MOORE, INC.

Robert S. Johnston, RCE
Associate

c: Melody Harris, Attorney-at-Law

RSJ:rts
30341-001-131
SDO/002/B26

HEALTH AND SAFETY PLAN
FOR
ENVIRONMENTAL SAMPLING ACTIVITIES
FORMER Y TIRE SALES SITE
LAKESIDE, CALIFORNIA

YTIRES.S19

Job No.: 30431-001-131
Preparer: S.C. Gulbrandsen, CIH
Date: March 1995

OFFICE MEMORANDUM SACRAMENTO

ACTION **INFORMATION**

TO: Robert Johnston - SDO

FROM: Susan Gulbrandsen - SBA

DATE: March 14, 1995 **Reply Required By:** March 16, 1995

SUBJECT: Site Safety Plan Documentation

Attached is the Site Safety Plan (SSP) that you requested for the Y Tires Sales project. Please have the Project Manager and the Principal-In-Charge sign the approval page and return a copy of the signed page to Pam Baldridge (SAC) PRIOR TO THE START of field operations (fax is acceptable). Also, please insert a copy of the hospital route map at Attachment B.

It is essential that the key Dames & Moore site operations personnel review this plan prior to the start of work. If there are any problems or questions regarding the SSP or its implementation, I should be contacted immediately for prompt resolution of the issue.

At the completion of the field work, send copies of completed Plan Acceptance Form (Attachment A) and Site Safety Briefing Form to Pam Baldridge. If the field portion of the project lasts more than two weeks, submit Tailgate copies every two weeks. In addition, copies of all field logs that pertain to health and safety activities, such as instrument calibration and readings, record of PPE used, and other related issues should be submitted according to this time table.

If this job is canceled or delayed, please notify Pam to alleviate our need to badger you for this paperwork.

Please contact me if you have any questions.

YTIRES.S19

HEALTH AND SAFETY OFFICE USE ONLY

START DATE	APPROVAL RECEIVED	ACCEPTANCE/SSB/LOG FORM RECEIVED (COMBINATION FORM)	DOCUMENTATION COMPLETED

SITE HEALTH AND SAFETY PLAN
EXCAVATION AND SAMPLING ACTIVITIES

The use of this HSP is limited to projects at sites that are not regulated by the OSHA HAZWOPER Standard-8 CCR 5192. Projects covered under this HSP include the oversight of excavation activities, and the collection of soil samples for analysis. This plan has been developed for Dames & Moore personnel; it is not intended for subcontractor or client use.

Dames & Moore personnel on this project must meet the training requirements of 8 CCR 5192 (e) and be participating in a medical surveillance program as per 8 CCR 5192(f). Eating, drinking and smoking will only be allowed in designated areas of the support zone.

This plan is valid only for the specific project identified in the following project description. The Project Manager and Site Safety Officer are responsible for implementation of this plan which includes the site safety briefing. Field activities are limited to providing general oversight in accordance with the workplan, and obtaining soil samples for laboratory analysis.

PROJECT DESCRIPTION

Project No. 30431-001-131 Field Dates 3/16/95

Client Mr. Guy De Lisa

Job Location 11719 Woodside Ave., Lakeside, CA

SITE HISTORY

The site is a former tire changing shop. Drums of waste oil were previously stored on site. An investigation of soils at the site by a previous consultant yielded shallow soil concentrations of TRPH from 16 mg/kg to 750 mg/kg. In addition, TPH was measured from non-detect to 820 mg/kg and was characteristic of diesel fuels and 30 weight motor oil. According to the consultant's report, migration of contamination in the surface soil is likely.

SCOPE OF WORK

The purpose of the project is to provide additional information regarding the vertical and areal extent of TPH/TRPH impacts at the site. A backhoe will be used to initially excavate trenches in the vicinity of the former drum storage area to attempt to identify soils that have more than 100 mg/kg TRPH/TPH. Remedial excavation activities may also be performed. If remediation is performed, it is anticipated that the total volume of soil will be less than 15 cubic yards.

RESPONSIBLE PERSONNEL	Name	Phone
Project Manager	Robert Johnston	(619) 541-0833
Site Manager	John Piorkowski	(619) 541-0833
Site Safety Officer	John Piorkowski	(619) 541-0833

PLAN PREPARER Susan Gulbrandsen, CIH Date March 14, 1995

EMERGENCY/CONTINGENCY INFORMATION

Hospital/Clinic Valley Medical Center Phone No. (619) 440-1122

Hospital Address 1688 E. Main St. El Cajon, CA

Paramedic 911 Fire Dept. 911

Police Dept. 911

EMERGENCY/CONTINGENCY PLAN

Coordinate evacuation procedures with the drilling contractor and remain a safe distance from the emergency. Perform First Aid/CPR as warranted by the situation. Do not move personnel with suspected neck or back injuries. Report all injuries to the supervisor (see Attachments). Note: the hospital route map is located in the Attachments.

CHEMICAL HAZARDS

Chemical Name	OSHA PEL	Concentration Present Soil	Water	Health Hazards/ Target Organs	Symptoms Of Overexposure
Diesel	None			Skin Irritant & Central Nervous System Depressant	Headache, Nausea, Dizziness, Incoordination & Vomiting
Benzene	1 ppm			Eye Irritant & Central Nervous System Depressant	Headache, Nausea, Tremors & Fatigue
Ethyl Benzene	100 ppm			Eye, Mucous Membrane & Skin Irritant	Irritation of eyes, Headache & Dermatitis
Toluene	100 ppm			Eye Irritant & Central Nervous System Depressant	Headache, Nausea, Dizziness & Fatigue
Xylene	100 ppm			Eye, Nose, Throat & Skin Irritant, Central Nervous System Depressant	Headache, Nausea & Fatigue
Used Motor Oil	None			Skin Irritant & Gastrointestinal Irritation	Nausea, Vomiting & Diarrhea

PHYSICAL HAZARDS

Physical hazards are inherently present during excavation and soil sampling activities. Common physical hazards include mechanical hazards; noise exposure associated with the operation of heavy equipment; slip-trip-fall hazards associated with the field environment; hazards associated with weather conditions; musculoskeletal injury resulting from lifting tasks; nuisance dust associated with excavation activities; and explosion hazards from underground pipes or lines that may be encountered during the excavation process. The typical physical hazards anticipated to be present on the site and the methods for preventing injury due to these hazards are described below.

Heavy Equipment - Operation of heavy equipment during site activities presents potential physical hazards to personnel. During all site activities, personal protective equipment (PPE) such as steel-toed shoes, safety glasses or goggles, and hard hats should be worn whenever such equipment is present, and personnel should at all times be aware of the location and operation of heavy equipment, and take precautions to avoid getting in the way of its operation.

Noise - The primary noise hazard at this site is from the excavation equipment. Whenever feasible, noise levels, identified as exceeding 85 decibels, will be reduced by means of personal protective equipment. Ear plugs and/or muffs will be worn at all times when D&M personnel are within 25 feet of operating equipment. Hearing protection will also be worn in the vicinity of generators, concrete cutters, and any other high noise emitting equipment.

Slip-Trip-Fall Hazards - Slip-trip fall hazards are common at excavation sites due to open holes; muddy, slippery or unstable surfaces; and equipment on the ground. While it is difficult to eliminate all slip-trip-fall hazards, risk of injury will be minimized by implementing safe work practices, utilizing proper footwear, and keeping the work area free of obstructions.

Lifting Hazards - Field operations often require the performance of laborious tasks. All employees must implement proper lifting procedures, such as keeping the load close to the body, and using leg muscles instead of back muscles to perform lifting tasks. Additionally, employees will not attempt to lift large, heavy, or awkwardly shaped objects without assistance.

Weather - Weather conditions are an important consideration in planning and conducting site operations. Extremely hot or cold weather can cause physical discomfort, loss of efficiency and personal injury. Of particular importance at work sites is heat stress, often resulting from the use of impermeable protective clothing, which decreases the body's natural cooling processes.

Lightning may accompany storms, creating an electrocution hazard during outdoor operations. To eliminate this hazard, weather conditions will be monitored and work suspended during electrical storms.

The following potential weather hazard exists at the site:

_✓_ Heat Stress (see Attachment - Information Sheet)

___ Cold Stress (see Attachment - Information Sheet)

Fire/Explosion - A potential exists at the site for an explosion or fire due to an ignition of explosive or flammable materials. Explosions and fires not only pose the obvious hazard of intense energy/heat, open flame, and smoke inhalation, they may also cause the release of toxic chemicals into the environment. Although the fire and explosion risk is considered minimal, Dames & Moore personnel will protect against the hazard by implementing the following safety procedures:

- All potential ignition sources will be kept away from an explosive or flammable environment;

- Non-sparking, explosion-proof equipment will be used when necessary; and

- Fire extinguisher(s) will be provided at appropriate locations.

In the event fire or explosion becomes a threat, all personnel will be evacuated to a predetermined evacuation area until the hazardous situation is properly controlled or eliminated.

Underground Utilities - All proximal underground utility locations must be located by either Dames & Moore or the contractor prior to the commencement of excavation activities. The deactivation of utilities should be certified by the proper utility company personnel.

Overhead Hazards - Overhead power lines pose a danger of shock or electrocution if the power line is contacted or severed during site operations. Prior to conducting work in areas where overhead lines could be impacted, the appropriate utility company will be notified, and information will be obtained regarding the line voltage and the minimum separation distance required for work in this area.

Dust - High winds and excavation activities can result in airborne hazards. If excavation operations generate sustained visible dust, the excavation contractor should apply a water mist to the site to reduce dust generation.

MONITORING EQUIPMENT

The following monitoring equipment will be used during invasive activities:

___ Organic Vapor Analyzer	_✓_ Microtip w/lamp 10.6 eV
_✓_ Hnu w/lamp 10.6 eV	___ Organic Vapor Monitor w/lamp ___ eV
___ Explosimeter	___ Draeger Tube (Type)_____

(✓) The monitoring equipment must be calibrated in accordance with the manufacturer's instructions or guidelines found in the Attachments. In addition, the results of daily instrument calibrations shall be logged in the field log book, or on the Daily Instrument Calibration Check Sheet found in the Attachments.

ACTION LEVELS

Action levels and response criteria are presented below. Initial monitoring is conducted on a regular basis (every 10 minutes) in the work area. All readings are to be recorded in the field log book.

Analyzer Reading*	Location	Time Period	Action
< 15 ppm	Work area/spoils	----------	Continue periodic monitoring.
> 15 ppm	Work area/spoils	> 1 minute	Monitor OBZ; don protective clothing.
< 15 ppm	OBZ	----------	No respirators required.
> 15 ppm	OBZ	> 1 minute	Half-face respirators with organic vapor cartridges; establish decon.
> 75 ppm	OBZ	> 1 minute	Full-face respirators with organic vapor cartridges.
> 150 ppm OR > 300 ppm	OBZ OBZ	> 1 minute instantaneous	Stop work; move upwind while vapors dissipate. If elevated levels remain, evacuate upwind and notify RHSC or PM.

(OBZ - Operator's Breathing Zone)

SITE CONTROL

Work area barricades will be used to prevent access by unauthorized persons. Yellow caution tape and/or sawhorse-type barricades can be used for this purpose.

DECONTAMINATION PROCEDURES

Wash hands thoroughly before eating; clean-up and wash hands and face when work activities are completed. Formal decontamination procedures are required if the analyzer reading exceeds 15 ppm (see Attachments).

HEALTH AND SAFETY EQUIPMENT R = Required A = As Needed

R Hard Hat	R Eye Protection (Type) Safety glasses w/ side shields
R Hearing Protection	A Gloves (Type) Nitrile
R Steel-toed Boots	A Chemical-resistant steel-toed Boots
___ Orange Safety Vest	A Respirator (Type) Half- or full-face
A Tyvek Coveralls	A Cartridges (Type) organic vapor or organic vapor-HEPA
___ Poly-coated Tyvek	R Fire Extinguisher
R First Aid Kit	R Other Infection Control Kit

HAZARD COMMUNICATION (MSDSs)

✓ TSP/Alconox	___ Hexane
✓ Isobutylene	___ Other

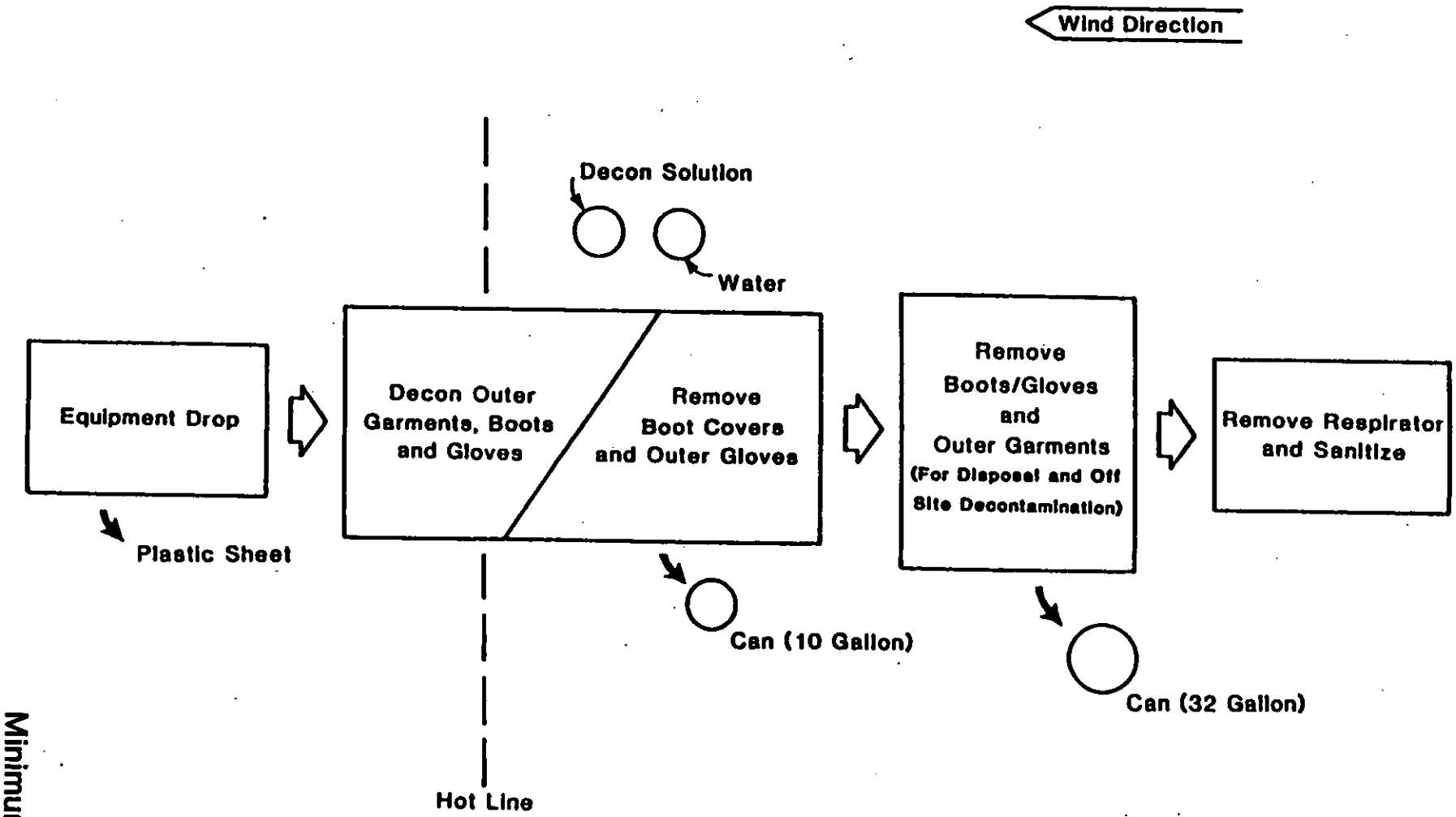
(✓) See the information sheet found in the Attachments.

INJURY AND ILLNESS PREVENTION PROGRAM

The purpose of this program is to provide and maintain a safe and healthful work environment and to reduce the incidence of work place injuries and illnesses (see Attachments). The SSO is responsible for implementing the Program during site activities.

ATTACHMENTS

SAFETY PLAN COMPLIANCE AGREEMENT, BRIEFING FORM, AIR MONITORING LOG AND CALIBRATION CHECK SHEET
HOSPITAL ROUTE MAP
ACCIDENT REPORT FORM
PERSONNEL DECONTAMINATION STATION LAYOUT
HEAT STRESS GUIDANCE
INSTRUMENT OPERATING INSTRUCTIONS
MATERIAL SAFETY DATA SHEETS
INJURY AND ILLNESS PREVENTION PROGRAM



Minimum Layout of Personnel Decontamination Station

Dames & Moore

ACCIDENT/EXPOSURE REPORT

EMPLOYEE NAME_____ DATE OF BIRTH _____

HOME ADDRESS_____ PHONE NO._____

SEX: MALE____ FEMALE____ JOB TITLE_____ SOCIAL SECURITY NO._____

OFFICE NO._____ OFFICE LOCATION_____ DATE OF HIRE _____

HOURS USUALLY WORKED: HOURS PER DAY_____ HOURS PER WEEK_____ TOTAL HOURS WEEKLY_____

WHERE DID ACCIDENT OR EXPOSURE OCCUR? (INCLUDE ADDRESS)_____

_____

COUNTY_____ ON EMPLOYER'S PREMISES? YES_____ NO_____

WHAT WAS EMPLOYEE DOING WHEN INJURED? (BE SPECIFIC)_____

_____

HOW DID THE ACCIDENT OR EXPOSURE OCCUR? (DESCRIBE FULLY)_____

_____

_____

_____

WHAT STEPS COULD BE TAKEN TO PREVENT SUCH AN OCCURRENCE?_____

_____

_____

OBJECT OR SUBSTANCE THAT DIRECTLY INJURED EMPLOYEE_____

_____

DESCRIBE THE INJURY OR ILLNESS_____ PART OF BODY AFFECTED_____

NAME AND ADDRESS OF PHYSICIAN_____

IF HOSPITALIZED, NAME AND ADDRESS OF HOSPITAL_____

DATE OF INJURY/ILLNESS_____ TIME OF DAY_____ LOSS OF ONE OR MORE DAY OF WORK? YES/NO_____

IF YES-DATE LAST WORKED_____

HAS EMPLOYEE RETURNED TO WORK?_____ IF YES-DATE RETURNED_____ DID EMPLOYEE DIE?_____ IF YES-DATE_____

COMPLETED BY (PRINT)_____ SIGNATURE_____

TITLE_____ DATE_____

An accident/exposure report must be completed by the supervisor or site safety officer immediately upon learning of the incident. The completed report must be immediately transmitted to the office administrative manager and the Division Health and Safety Manager.

HEAT STRESS MONITORING AND CONTROL

Signs, Symptoms and First Aid

Heat rash (prickly heat) may result from continuous exposure to heat or humid air. It appears as red papules (elevated skin lesion), usually in areas where the clothing is restrictive, and gives rise to a prickly sensation, particularly as sweating increases. It occurs in skin that is persistently wetted by unevaporated sweat. The papules may become infected unless treated.

First Aid for Heat Rash - to prevent heat rash: shower after work, dry off thoroughly, and put on clean, dry underwear and clothes. Try to stay in a cool place after work. If, in spite of this, you develop heat rash, see your physician.

Heat Cramps are caused by heavy sweating with inadequate electrolyte replacement. Signs and symptoms include:

- muscle spasms
- pain in the hands, feet and abdomen

First Aid for Heat Cramps - leave the work area, and rest in a cool, shaded place. Drink one or two glasses of electrolyte replacement drink, and try to gently massage the cramped muscle. Once the spasms disappear, you may return to work; taking adequate breaks and drinking electrolyte replacement drink should prevent the cramps from returning.

Heat exhaustion occurs from increased stress on various body organs including inadequate blood circulation due to cardiovascular insufficiency or dehydration. Signs and symptoms include:

- pale, cool, moist skin
- heavy sweating
- dizziness
- nausea
- fainting

The key here is that the victim is still sweating, so the cooling system is still working; it's just under severe stress. The body core temperature should still be near normal. It is important to recognize and treat these symptoms as soon as possible, as the transition from heat exhaustion to the very hazardous heat stroke can be quite rapid.

First Aid for Heat Exhaustion - leave the work area immediately, go through decon and remove all chemical protective clothing. Rest in a cool, shaded place and open your clothing to allow air circulation; lay flat except when taking fluids. Drink plenty of cooled electrolyte replacement drinks. Your work is over for the day; do not attempt to return. Medical assistance should be summoned.

Heat stroke is the most serious form of heat stress. Temperature regulation fails and the body temperature rises to critical levels. Immediate action must be taken to cool the body before serious injury and death occur. Competent medical help must be obtained. Signs and symptoms are:

- o red, hot, usually dry skin
- o lack of or reduced perspiration
- o nausea
- o dizziness and confusion
- o strong, rapid pulse
- o coma

First Aid for Heat Stroke - THIS IS A MEDICAL EMERGENCY! SUMMON MEDICAL ASSISTANCE IMMEDIATELY! Remove the victim from the work area, perform a gross decon, and remove all PPE. Have the victim lie down in a cool, shady area. Attempt to bring the victim's temperature down by increasing air movement (electric fan) or placing wetted sheets or towels on them. Place an ice bag on the victim's head. The victim must not be sent home or left unattended without a physician's specific order.

Heat Stress Prevention

The best approach to avoiding heat-related illnesses is through preventative heat stress management. The site manager and site safety officer are responsible for implementing this program.

Rest areas - a relatively cool, shaded area must be provided for breaks when ambient temperatures exceed 70°F and workers are wearing chemical protective clothing (including uncoated Tyvek®), or if temperatures exceed 85°F and workers are wearing "Level D" coveralls or work clothes. A car or van is an oven, not a rest area. The rest area should be *located in the support zone adjacent to the contamination reduction zone*, situated so that part of it is in the decon area so workers can take breaks without going through full decon. If shade is not available, build some: use a plastic "dining canopy", which can be obtained at sporting goods stores. This same type of canopy can be set up to shade personnel performing hand augering in hot weather.

Liquids - encourage employees to drink cool electrolyte replacement drinks, such as Gatorade, Squench or Quik-kick (drink), frequently. Plain water is ok, but replacement drinks are preferred. OSHA prohibits a "community cup"; use paper cups. Have workers drink 16 ounces of drink before beginning work, such as in the morning and after lunch. At each break, workers should take 8-16 ounces of drink. Don't wait until you are thirsty to drink.

Discourage the use of alcohol during non-working hours, and discourage the intake of coffee during work hours, as these make heat stress control more difficult.

Acclimatization - this is the process by which your body "gets used to" hot work environments. This is achieved by slowly increasing workloads. Start at 50 percent capacity on day one, and increase by 10 percent per day; on day six, you'll be at 100 percent. You don't loose acclimatization over a

weekend, but it'll start to decrease after three to four days. If you don't do hot work for a week, it is gone. You don't have to do full shift hot work to achieve or retain acclimatization; a minimum of 100 minutes of continuous hot work exposure per day is adequate.

Auxiliary Cooling - auxiliary cooling is usually obtained by providing workers with a specially-designed vest, which is worn under the protective clothing, but over any underclothing. These vests typically provide cooling via one of two methods: the use of ice or other frozen media, or the use of a vortex cooler. Each method has its advantages and disadvantages.

The frozen media vest requires a means for freezing the media, and the media (usually water or "blue ice") will melt, requiring replacement. It is reported that frozen media vest usually cool only areas immediately adjacent to the media itself.

The vortex cooler tends to cool more uniformly. Instead of frozen media, this vest uses the expansion of compressed air to cool the wearer. The drawback is the compressed air requirement, but this is negated when the wearer is already using an airline respirator supplied by a compressor. A vortex cooler should not be supplied from air cylinders, as this will draw down the cylinders rapidly.

Auxiliary cooling should be considered when the following conditions exist:

- Ambient temperature over 80°F
- Workers wearing impermeable garments (PE Tyvek®, Saranex, Chemrel, etc.)
- It is desirable to have long workshifts with minimum interruption

When the above conditions exist, and work is performed in direct sunlight, auxiliary cooling is mandatory.

Heat Stress Monitoring

For field operations that are part of ongoing site work activities in hot weather, the following procedures shall be used to monitor the body's physiological response to heat, and to monitor the work cycle of each site worker. There are two phases to this monitoring: initial work/rest cycle determination, and physiological monitoring. The initial work/rest cycle is used to estimate how long the first work shifts of the day should be. Heart rate monitoring of each worker will establish the length of the successive work periods. This monitoring should commence when ambient (not adjusted) temperatures exceed:

- 70°F for personnel wearing chemical protective clothing, including Tyvek® coveralls
- 85°F for personnel wearing normal work clothes

DETERMINATION OF THE INITIAL WORK/REST CYCLES

Measure the air temperature with a standard thermometer with the bulb shielded from radiant heat; this yields T (actual). Estimate the fraction of sunshine by judging what percent time the sun is not shielded by clouds that are thick enough to produce a shadow. 100 percent sunshine - no cloud cover = 1.0; 50 percent sunshine - 50 percent cloud cover = 0.5; 0 percent sunshine - full cloud cover = 0.0.

Plug these variables into the following equation to determine the adjusted temperature:

T (adjusted) = T (actual) + (13 x fraction sunshine)

Use the chart below to determine the length of the first work shift. At the first break, initiate the heart rate monitoring as described in the next section.

INITIAL WORK/MONITORING CYCLES

ADJUSTED TEMPERATURE	NORMAL WORK CLOTHES	PROTECTIVE CLOTHING
90°F (32.2°C) or above	After each 45 minutes of work	After each 15 minutes of work
87.5°-90°F (30.8°-32.2°C)	After each 60 minutes of work	After each 30 minutes of work
82.5°-87.5°F (28.1°-30.8°)	After each 90 minutes of work	After each 60 minutes of work
77.5°-82.5°F (25.3°-28.1°C)	After each 120 minutes of work	After each 90 minutes of work
72.5°-77.5°F (22.5°-25.3°C)	After each 150 minutes of work	After each 120 minutes of work

Heart Rate Monitoring

Heart rate (HR) should be measured by radial pulse for 30 seconds as early as possible in the resting period, preferably immediately after decon has been completed. The HR at the beginning of the rest period should not exceed 110 beats/minute. If the HR is higher, the next work period should be shortened by 33 percent, while the length of the rest period stays the same. If the pulse rate still exceeds 110 beats/minute at the beginning of the next rest period, the following work period should be further shortened by 33 percent, while the length of the rest period stays the same.

HNu PID Operating Instructions

1. Before attaching the probe, check the function switch on the control panel to make sure it is in the off position.

2. Attach the probe by plugging in the 12-pin plug to the inter face on the readout module.

3. Turn the six-position function switch to the battery check position. The needle on the meter should read within or above the green battery arc on the scale. If not, recharge the batter. If the red indicator comes on, the battery should be recharged.

4. Turn the function switch to any range setting. Look into the end of the probe briefly to see if the lamp is on. If it is on, it will give a purple glow. Do not stare into the probe for any length of time as UV light can damage your eyes. The instrument is now ready for operation.

5. To zero the instrument, turn the function switch to the standby position and rotate the zero potentiometer until the meter reads zero. Clockwise rotation of the span pot produces a downscale deflection, while counterclockwise rotation yields an upscale deflection. Note: No zero gas is needed since this is an electronic zero adjustment. If the span adjustment setting is changed after the zero is set, the zero should be rechecked (and adjusted, if necessary). Wait 15 to 20 seconds to ensure that the zero is stable. If necessary, readjust zero.

6. Turn function switch to the 0-20 position (or to scale to accommodate calibration gas).

7. For calibration of the instrument from the pressurized container, connect the valve (provided with the calibration kit) to the pressurized container of calibration, and convert the valve via Tygon tubing directly to the 8" extension to the photoionization probe. Crack the valve of the pressurized container until a slight flow is indicated on the gauge. The instrument draws in the volume of sample required for detection, and the flow in the rotameter indicates an excess of sample. Now adjust the span pot so that the instrument is reading the exact value of the calibration gas. (If the instrument span setting is changed, the instrument should be turned back to the standby position and the electronic zero should be readjusted, if necessary).

8. Place probe in the atmosphere to be monitored. If the needle moves to the upper limit of the scale, change the function switch to the next position.

CALIBRATION PROCEDURES FOR PHOTOVAC MICROTIP HL-200

MicroTIP must be calibrated in order to display concentration in units equivalent to ppm. First a supply of Zero Gas, which contains no ionizable gases or vapors, is used to set MicroTIP's zero point. Then, Span Gas, containing a known concentration of an ionizable gas or vapor, is used to set the sensitivity.

Usually clean outdoor air will be suitable as Zero Gas. If there is any doubt, use a commercial source of Zero Grade Gas and a second sampling bag. A supply of Span Gas of the desired compound and concentration must be obtained for calibration. Observe proper handling techniques for all gases.

Isobutylene at 100 ppm in air will be used as the Span Gas. To calibrate the instrument use the Calibration Kit (Photovac Part No. 390033) as follows:

1. Connect the supplied regulator to the Span Gas cylinder. Hand tighten the fittings.
2. Open the valve on the gas bag by turning the valve stem fully counterclockwise.
3. Attach the gas bag adapter nut to the regulator. Hand tighten the fittings.
4. Turn the regulator knob counterclockwise about half a turn to start the flow of gas.
5. Fill the gas bag about half full and then close the regulator fully clockwise to turn off the flow of gas.
6. Disconnect the bag from the adapter and empty it. Flush the bag a few times with the Span Gas and then fill it.
7. Close the gas bag by turning the valve clockwise.
8. Press SETUP and select the desired Cal Memory with the arrow keys and press ENTER. Press EXIT to leave Setup.
9. Press CAL and expose MicroTIP to Zero Gas. Press ENTER and MicroTIP sets its zero point.
10. MicroTIP then asks for the Span Gas concentration. Enter the known Span Gas concentration and then connect the Span Gas bag adapter to the inlet.
11. Press ENTER and MicroTIP sets its sensitivity.
12. When MicroTIP's display reverts to normal, MicroTIP is calibrated and ready for use. Remove the Span Gas bag from the inlet.

The instrument should be calibrated once a day.

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Material Safety Data Sheets Collection:

Sheet No. 43
Trisodium Phosphate

Issued: 11/78 Revision: 11/89

Section 1. Material Identification

Trisodium Phosphate Description: Trisodium phosphate crystallizes from water as trisodium phosphate dodecahydrate ($Na_3PO_4 \cdot 12H_2O$) and can exist as several hydrate forms, and as anhydrous salt, depending on processing. Prepared by combining proper proportions of phosphoric acid and soda ash to form disodium phosphate, then adding caustic soda. Used in softening water, tanning leather, manufacturing paper, clarifying sugar; in detergent mixtures, photographic developers, food additives, buffers, emulsifiers, dietary supplements, boiler water compounds, and industrial cleaners.
Other Designations: TSP; trisodium orthophosphate; sodium phosphate, tribasic; tertiary sodium phosphate; trisodium phosphate dodecahydrate ($Na_3PO_4 \cdot 12H_2O$), CAS No. 10101-89-0; Na_3PO_4; CAS No. 7601-54-9.
Manufacturer: Contact your supplier or distributor. Consult the latest *Chemicalweek Buyers' Guide* (Genium ref. 73)

R 1
I 2
S 2
K 1

Genium



HMIS
H 1
F 0
R 2
PPG*
* Sec. 8

Section 2. Ingredients and Occupational Exposure Limits

Trisodium phosphate, ca 100%

OSHA PEL	ACGIH TLV, 1989-90	NIOSH REL, 1987	Toxicity Data†
8-hr TWA: 5 mg/kg of respirable dust*	None established	None established	Rabbit, intravenous, LD_{Lo}: 1580 mg/kg

* Under OSHA inert dust limits, assume that airborne particulates not otherwise controlled are limited to a maximum of 5 mg/kg of respirable dust; however, this level may be inadequate to prevent irritation with this material.
† See NIOSH, *RTECS* (TC9490000) for additional data with references to mutagenic effects.

Section 3. Physical Data

Boiling Point: -11 H_2O at 212 °F (100 °C) (decomposes)
Melting Point: 163.9 to 170.1 °F (73.3 to 76.7 °C)
Molecular Weight: 163.94 g/mol
Specific Gravity (H_2O = 1 at 39 °F (4 °C)): 1.62 at 68 °F (20 °C)

Water Solubility: (°F/°C)	(g/100 g)
32/0	1.5
59/15	28.3
158/70	157.0

Appearance and Odor: White or colorless crystalline solid (also as powder flake, granules); no odor.

Section 4. Fire and Explosion Data

Flash Point: Noncombustible	Autoignition Temperature: Noncombustible	LEL: None reported	UEL: None reported

Extinguishing Media: Use what is appropriate to the surrounding fire since this material is noncombustible.
Unusual Fire or Explosion Hazards: In a fire situation at high temperature, phosphates can emit highly toxic phosphorus oxides (PO_x) fumes.
Special Fire-fighting Procedures: Wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in the pressure-demand or positive-pressure mode.

Section 5. Reactivity Data

Stability/Polymerization: Trisodium phosphate is stable at room temperature in closed containers. Hazardous polymerization cannot occur.
Chemical Incompatibilities: This strong caustic material reacts violently with water and strong acids to generate heat.
Conditions to Avoid: Never heat to decomposition.
Hazardous Products of Decomposition: Thermal oxidative decomposition of trisodium phosphate can produce highly toxic fumes of phosphorus oxides (PO_x) and sodium oxide (Na_2O).

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Section 6. Health Hazard Data

Carcinogenicity: Neither the NTP, IARC, nor OSHA lists trisodium phosphate as a carcinogen.
Summary of Risks: Inhaling this alkaline material's dust or mist irritates the respiratory tract. Aqueous, highly alkaline solutions may also produce caustic burns.
Medical Conditions Aggravated by Long-Term Exposure: Permanent tissue damage to the skin and eyes.
Target Organs: Skin, digestive tract.
Primary Entry: Inhalation and ingestion. Its alkaline nature irritates and may injure the digestive tract. To use as a food additive requires reducing its alkalinity.
Acute Effects: Tissue irritation upon contact with skin and eyes.
Chronic Effects: Prolonged or repeated eye and skin contact causes irritation. Injury to the esophagus from scarring may occur. Alkali exposures may necessitate irrigation for extended duration.
FIRST AID
Eyes: Flush immediately, including under the eyelids, gently but thoroughly with flooding amounts of running water for at least 15 min.
Skin: After rinsing affected area with flooding amounts of water, wash it with soap and water.
Inhalation: Remove exposed person to fresh air and support breathing as needed.
Ingestion: Never give anything by mouth to an unconscious or convulsing person. If ingested, have that conscious person drink 1 to 2 glasses of water or milk to dilute; then give fruit juice or diluted vinegar to drink. *Never induce vomiting* unless instructed by a physician to do so.
After first aid, get appropriate in-plant, paramedic, or community medical attention and support.

Section 7. Spill, Leak, and Disposal Procedures

Spill/Leak: Cleanup personnel should wear the necessary personal protective equipment to prevent skin or eye contact and dust inhalation. For liquid (solution) spills, cover the material with an inert solid absorbent (vermiculite or dry sand) and scoop into an appropriate container (with secure lid) for disposal in accordance with existing regulations. Dike with inert absorbent material, as needed, to contain and limit spill area. Sweep, vacuum, or scoop the spilled solid, avoiding dust generation, into a suitable disposal container (with secure lid). Flush residues to drain with plenty of water.
Disposal: Scrap material can be used for neutralizing acid wastes or buried in an approved landfill. If regulations permit, you may flush *small* amounts to drain with large excess of water. Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.
OSHA Designations
Air Contaminant (29 CFR 1910.1000, Subpart Z): Not listed
EPA Designations
RCRA Hazardous Waste (40 CFR 261.33): Not listed
Listed as CERCLA Hazardous Substance* (40 CFR 302.4), Reportable Quantity (RQ): 5000 lb (2270 kg) [* per Clean Water Act, Sec. 311(b)(4)]
SARA Extremely Hazardous Substance (40 CFR 355): Not listed
SARA Toxic Chemical (40 CFR 372.65): Not listed

Section 8. Special Protection Data

Goggles: Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Chemical safety glasses with side shields are recommended for handling this material.
Respirator: Wear a NIOSH-approved respirator if necessary. Follow OSHA respirator regulations (29 CFR 1910.134). For emergency or nonroutine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA.
Warning: Air-purifying respirators do *not* protect workers in oxygen-deficient atmospheres.
Other: Wear impervious gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact.
Ventilation: Provide general and local explosion-proof ventilation systems to maintain airborne concentrations below the OSHA PEL standard (Sec. 2). If dusty conditions occur, local exhaust ventilation is preferred since it prevents contaminant dispersion into the work area by eliminating it at its source (Genium ref. 103).
Safety Stations: Make available in the work area emergency eyewash stations, safety/quick-drench showers, and washing facilities.
Contaminated Equipment: Never wear contact lenses in the work area: soft lenses may absorb, and all lenses concentrate, irritants. Launder contaminated clothing before wearing again. Remove this material from your shoes and equipment.
Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9. Special Precautions and Comments

Storage Requirements: Store this material in tightly sealed containers away from acidic materials in a clean, dry, ventilated area. Prevent physical damage to containers.
Engineering Controls: Avoid dust inhalation, body contact, contact with acidic materials, and heating to decomposition. Note that anhydrous trisodium phosphate and lower hydrates are more alkaline than $Na_3PO_4 \cdot 12H_2O$ *on a weight basis.*

Transportation Data (49 CFR 172.101, .102): Not listed

MSDS Collection **References:** 1, 2, 4-7, 12, 15, 80, 81, 82, 109
Prepared by: MJ Allison, BS; **Industrial Hygiene Review:** DJ Wilson, CIH; **Medical Review:** Warren Silverman, MD M6

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Material Safety Data Sheet

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GENIUM PUBLISHING CORP.

No. 674

ISOBUTYLENE

Issued: November 1988

SECTION 1. MATERIAL IDENTIFICATION

Material Name: ISOBUTYLENE

Description (Origin/Uses): Obtained from refinery steams by absorption on 65% sulfuric acid (H_2SO_4) at 59°F (15°C). Used primarily to produce diisobutylene, trimers, butyl rubber, and other polymers; also used to produce antioxidants for foods, plastics, and packaging food supplements.

Other Designations: Isobutene; 2-Methylpropene; *gamma*-Butylene; $CH_2=C(CH_3)_2$; CAS No. 0115-11-7

Manufacturer: Contact your supplier or distributor. Consult the latest edition of the *Chemicalweek Buyers' Guide* (Genium ref. 73) for a list of suppliers.



NFPA

HMIS

H 1	R 1
F 4	I 1
R 0	S 1
PPG*	K 4
*See sect. 8	

SECTION 2. INGREDIENTS AND HAZARDS

	%	EXPOSURE LIMITS
Isobutylene, CAS No. 0115-11-57	Ca 100	**OSHA PEL** None Established **ACGIH TLV, 1988-89** None Established **NIOSH REL** None Established **Toxicity Data*** Rat, Inhalation, LC_{50}: 620 g/m³ (4 Hrs) Mouse, Inhalation, LC_{50}: 415 g/m³ (2 Hrs)

*Monitor NIOSH, *RTECS* (UD0890000), for additional data.

SECTION 3. PHYSICAL DATA

Boiling Point: -19.6°F (-6.9°C)
Melting Point: -220°F (-140°C)
Vapor Density (Air = 1): 1.9
Specific Gravity (H_2O = 1): Ca 0.6
Molecular Weight: 56 Grams/Mole
Solubility in Water (%): Insoluble*
% Volatile by Volume: 100

Appearance and Odor: A colorless, extremely flammable gas; odor not listed.

*Isobutylene is very soluble in alcohol, ether, and sulfuric acid.

SECTION 4. FIRE AND EXPLOSION DATA

Flash Point*	Autoignition Temperature: 869°F (465°C)	LEL: 1.8% v/v	UEL: 9.6% v/v

Extinguishing Media: Isobutylene gas is an extremely flammable gas that has a substantial explosive air-gas range. For isobutylene fires, the recommended fire-fighting technique is to stop the flow of gas instead of extinguishing the fire. If the flames are extinguished and the isobutylene gas continues to escape or leak, an explosive air-gas mixture can form quickly and ignite without warning. A resulting explosion could cause greater damage than that which would be caused by allowing the fire to burn itself out. If the fire must be extinguished to allow safe access to shutoff valves, recommended extinguishing agents include CO_2 and dry chemical. **Unusual Fire or Explosion Hazards:** In many cases, the preferred strategy is to allow the flames to continue to burn and to cool the surroundings with water spray to prevent ignition of nearby combustibles. Isobutylene gas is heavier than air and can collect in low-lying, confined spaces. Potentially explosive air-gas mixtures are especially likely to build up in such an area, so enter it with extreme caution whether or not it is presently involved in a fire. Possible sources of ignition must not be brought into any area suspected of containing substantial concentrations of isobutylene gas. **Special Fire-fighting Procedures:** Wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in the pressure-demand or positive-pressure mode.

* Sax (Genium ref. 6) reports a flash point of -105°F (-76°C) for isobutylene.

SECTION 5. REACTIVITY DATA

Stability/Polymerization: Isobutylene is stable in closed, pressurized containers during routine operations at room temperature. Hazardous polymerization cannot occur. **Chemical Incompatibilities:** Isobutylene can react dangerously with strong oxidizing materials. **Conditions to Avoid:** Prevent exposing isobutylene to any source of ignition such as an open flame, sparks, lighted tobacco products, or steam lines. **Hazardous Products of Decomposition:** Isobutylene fires can produce toxic gases such as carbon monoxide (CO) or lower-molecular-weight hydrocarbons. **Comments:** The extreme flammability of isobutylene means that any reactions involving this material, including nonhazardous ones, must be performed carefully in order to prevent fires and/or explosions.

SECTION 6. HEALTH HAZARD INFORMATION

Carcinogenicity: Isobutylene is not listed as a carcinogen by the NTP, IARC, or OSHA.
Summary of Risks: Isobutylene is a simple asphyxiant. As such it will not cause significant physiological responses, but it can displace the minimum required atmospheric oxygen level. Significant displacement by isobutylene results in an oxygen-deficient atmosphere with no adequate warning properties. Asphyxiation fatalities can occur especially in confined, low-lying, poorly ventilated spaces because isobuty-

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SECTION 6. HEALTH HAZARD INFORMATION, cont.

lene gas is almost twice as dense as air itself (see sect. 3). **Medical Conditions Aggravated by Long-Term Exposure:** None reported. **Target Organs:** None reported. **Primary Entry:** Inhalation. **Acute Effects:** Initial symptoms of the effects of simple asphyxiant gases are rapid respiration and air hunger, diminished mental alertness, and impaired muscular coordination. Continuing lack of oxygen causes faulty judgment, depression of all sensations, rapid fatigue, and emotional instability. As the asphyxia continues, nausea; vomiting; prostration; loss of consciousness; and, finally, convulsions; deep coma; and death can occur. **Chronic Effects:** None reported. **FIRST AID: Inhalation.** Would-be rescuers need to be concerned about their own safety when entering confined, poorly ventilated, oxygen-deficient areas. Self-contained breathing equipment must be readily available for rescuers. Station standby workers outside the immediate area so that they can summon additional help if it is needed. Remove the exposed person to fresh air; restore and/or support his or her breathing as needed. Have qualified medical personnel administer oxygen as required. **Comments:** The extreme flammability of isobutylene gas warrants special attention even during rescue operations. Rescue personnel must not smoke. All emergency lamps and floodlights that must be lowered into enclosed areas for rescue operations must be explosion proof. Obtain this equipment before any emergency occurs and make it accessible to emergency-response personnel. **Get medical help (in plant, paramedic, community) for all exposures.** Seek prompt medical assistance for further treatment, observation, and support after first aid.

SECTION 7. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill/Leak: *Treat any isobutylene gas leak as an emergency.* If the leaking gas has not yet ignited, use water spray to direct flammable gas-air mixtures away from sources of ignition. Extinguish all sources of ignition as quickly as possible; however, if the leaking gas is burning, do not attempt to extinguish the flames until the source of the isobutylene gas is located and sealed. Otherwise, flammable isobutylene gas-air mixtures can explode without warning and cause widespread damage that might not have occurred if the original fire had been allowed to burn itself out. If it is necessary to extinguish isobutylene flames in order to gain access to a shutoff valve, use dry chemical or carbon dioxide as extinguishing agents. **Waste Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow Federal, state, and local regulations.

OSHA Designations

Air Contaminant (29 CFR 1910.1000 Subpart Z): Not Listed

EPA Designations (40 CFR 302.4): Not Listed

SECTION 8. SPECIAL PROTECTION INFORMATION

Respirator: Follow OSHA respirator regulations (29 CFR 1910.134). For emergency or nonroutine operations (leaks or cleaning reactor vessels and storage tanks), wear an SCBA. **Warning:** Air-purifying respirators will *not* protect workers in oxygen-deficient atmospheres, which lack warning properties; to work in them safely requires that an SCBA be worn. **Ventilation:** Install and operate general and local maximum, explosion-proof ventilation systems powerful enough to maintain airborne levels of this material below the lower explosive limit cited in section 4. Local exhaust ventilation is preferred because it prevents dispersion of the contaminant into the general work area by eliminating it at its source. Consult the latest edition of Genium reference 103 for detailed recommendations. **Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work areas. **Contaminated Equipment:** Contact lenses pose a special hazard; soft lenses may absorb irritants, and all lenses concentrate them. Do *not* wear contact lenses in any work area. **Comments:** Practice good personal hygiene; always wash thoroughly after using this material and before eating, drinking, smoking, using the toilet, or applying cosmetics. Keep it off your clothing and equipment. Avoid transferring it from your hands to your mouth while eating, drinking, or smoking. Do *not* eat, drink, or smoke in any work area. Do not inhale isobutylene vapor.

SECTION 9. SPECIAL PRECAUTIONS AND COMMENTS

Storage/Segregation: Store isobutylene in closed, pressurized containers in a cool, dry, well-ventilated area away from sources of ignition, combustible materials, and strong oxidizers. Protect containers from physical damage. **Engineering Controls:** Make sure all engineering systems (production, transportation) are of maximum explosion-proof design. Electrically ground and bond all containers, pipelines, etc., used in shipping, transferring, reacting, production, and sampling operations to prevent static sparks. **Comments:** Isobutylene is an extremely explosive and flammable gas. It must not be exposed to any possible source of ignition in work or storage areas.

Transportation Data (49 CFR 172.101-2)

DOT Shipping Name: Liquefied Petroleum Gas
DOT Hazard Class: Flammable Gas
ID No. UN1055
DOT Label: Flammable Gas
DOT Packaging Requirements: 49 CFR 173.304, .314, .315
DOT Packaging Exceptions: 49 CFR 173.306

IMO Shipping Name: Isobutylene
IMO Hazard Class: 2.1
IMO Label: Flammable Gas

References: 1, 6, 84-94, 116, 117, 120, 122.

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Prepared by PJ Igoe, BS

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Medical Review: W Silverman, MD

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INJURY AND ILLNESS PREVENTION PROGRAM

In California, all locations must implement an Injury and Illness Prevention Program (IIPP) as a result of legislation popularly known as SB 198. Field operations, such as those covered in this health and safety plan, are also covered by the IIPP. The purpose of this document is to provide a summary of the elements of Dames & Moore's IIPP and guidance concerning aspects of the IIPP that all field personnel should be aware. Complete details of the IIPP are found in the Firmwide Health and Safety Manual at Procedure HS 330.

The IIPP requires California employers to develop programs that address the minimum elements of the regulation. Dames & Moore has implemented the following steps to comply with the regulatory requirements and provide a safe and healthful working environment for its employees:

- The Western Division Health and Safety Manager (WDSHM) is responsible for the overall implementation of the IIPP. The WDHSM is John Danby, CIH, in the Sacramento office. The Managing-Principal-In-Charge (MPIC) or Group Leader (GL) will be responsibility for the IIPP at their location.

- To ensure that employees comply with safe and healthy work practices, increasing disciplinary actions will be utilized for employees who engage in unsafe or unhealthy work practices. Written acknowledgement will also be placed in the employee's personnel file for those persons who make a significant contribution toward workplace safety. Health and safety compliance will be evaluated during each employee's annual performance review.

- Information regarding health and safety matters will be communicated to employees on health and safety matters through the establishment of employee-employer health and safety committees at all California office locations that have at least five employees; and distribution of copies of the IIPP to California employees. Employees are encouraged to report suspected workplace hazards to their supervisor, the WDHSM, or Office 165 personnel. However, any employee may make such notification anonymously; forms for this purpose are located at the IIPP bulletin board at each office. NO EMPLOYEE WILL BE RETALIATED AGAINST FOR REPORTING HAZARDS OF FOR MAKING SUGGESTIONS RELATED TO SAFETY.

- Workplace hazards will be identified by reviewing applicable regulations and consensus standards for comparison to Dames & Moore operations. For activities such as hazardous-substance related field work, potential hazards are evaluated during the preparation of the site-specific health and safety plan. Periodic audits will also be conducted during field activities by members of the health and safety staff in accordance with Procedure HS 280. Office facility and project file audits will also be conducted.

- Workplace injuries and illnesses will be appropriately investigated. All injuries or illnesses that are known or suspected to result from workplace activities must be reported for proper recordkeeping. Certain injuries or illnesses may require formal investigation. The Accident Report Form included in this Plan at Attachment C is to be completed for injuries or illnesses arising from site activities in this Plan. A complete discussion of injury and illness reporting is found at Procedure HS 210.

- Prevention of unsafe or unhealthy conditions can usually be achieved by proper training, advanced planning, and resolution of issues by responsible management or a health and safety professional. Such prevention will be a primary method used by Dames & Moore to minimize or abate hazards. At any site, any employee may contact a member of the Health and Safety staff (Office 165) if he or she is concerned that a health and safety problem may exist. The WDHSM is the primary contact. The Site Safety Officer or Project Manager may stop operations at any time if it is believed that an unsafe or unhealthy condition may be developing.

- Each employee will receive health and safety training appropriate to their job function. Several training classifications are used for this purpose; all employees will be classified for training purposes.

March 27, 1995

Mr. John Piorkowski
Dames & Moore
9665 Chesapeake Drive
Suite 201
San Diego, CA 92123

SUBJECT: DATA REPORT - 11719 WOODSIDE AVENUE, LAKESIDE, CA - DAMES & MOORE PROJECT #30431 001 131

TEG Project #950317LD

Mr. Piorkowski:

Please find enclosed a data report for the above referenced project. All samples were analyzed on-site in TEG's DOHS certified mobile laboratories (CERT #1746 & #1317).

Project Summary

The following analyses were conducted:

- 17 soils for total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1
- 2 soils for volatile aromatic hydrocarbons (BTEX) by EPA Method 8020
- 1 soil for volatile halogenated hydrocarbons by EPA Method 8010

Samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfilled quality control criteria. No data qualifiers (flags) apply to any of the reported data.

TEG appreciates the opportunity to provide analytical services to Dames & Moore on this project. If you have any questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Blayne Hartman

Dr. Blayne Hartman

432 NORTH CEDROS AVENUE • SOLANA BEACH, CA 92075 • 619-793-0401 • FAX 619-793-0404

DAMES & MOORE PROJECT #30431 001 131
11719 Woodside Avenue
Lakeside, CA

TEG Project #950317LD

TRPH (EPA Method 418.1) & BTEX (EPA Method 8020) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TRPH (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZ (mg/kg)	XYLENES (mg/kg)
METHOD BLANK	03/17/95	ND	ND	ND	ND	ND
YT-2	03/17/95	ND	--	--	--	--
YT-5	03/17/95	ND	--	--	--	--
YT-8	03/17/95	ND	--	--	--	--
YT-11	03/17/95	ND	--	--	--	--
YT-1	03/17/95	ND	--	--	--	--
YT-4	03/17/95	16	--	--	--	--
YT-7	03/17/95	112	--	--	--	--
YT-13	03/17/95	--	ND	ND	ND	ND
YT-14	03/17/95	--	ND	ND	ND	ND
YT-14 DUP	03/17/95	--	ND	ND	ND	ND
YT-6	03/17/95	26	--	--	--	--
YT-10	03/17/95	ND	--	--	--	--
YT-10 DUP	03/17/95	ND	--	--	--	--
YT-6A	03/17/95	ND	--	--	--	--
YT-9	03/17/95	763	--	--	--	--
YT-12	03/17/95	ND	--	--	--	--
YT-12 V	03/17/95	ND	--	--	--	--
YT-3	03/17/95	750	--	--	--	--
YT-3V	03/17/95	ND	--	--	--	--
YT-7B	03/17/95	ND	--	--	--	--
YT-3A	03/17/95	ND	--	--	--	--
DETECTION LIMITS		10	0.050	0.050	0.050	0.050

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

QA/QC DATA - MATRIX SPIKE ANALYSIS

Spiked Conc.	03/17/95	500	1.000	1.000	1.000	3.000
Measured Conc.		561	0.822	0.893	0.914	2.896
% Recovery		112.2%	82.2%	89.3%	91.4%	96.5%
Spiked Conc.	03/17/95	500	1.000	1.000	1.000	3.000
Measured Conc.		584	0.846	0.855	0.894	2.711
% Recovery		116.8%	84.6%	85.5%	89.4%	90.4%
RPD		4.0%	2.9%	4.3%	2.2%	6.6%

ACCEPTABLE RECOVERY LIMITS: 65% TO 135%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)

ANALYSES PERFORMED BY: MS. WINA SEISS

DATA REVIEWED BY: DR. BLAYNE HARTMAN

Blayne Hartman
4-4-95

LAB ID: LAZY DAZE - CERT #1746

CALIBRATION STANDARD REPORT

INITIAL CALIBRATION DATE: 12/05/94
DAILY CALIBRATION DATE : 03/17/95

COMPOUND	DETECTOR	INITIAL	%RSD	AREA	DAILY	%DIFF	AREA	CLOSING	%DIFF
BENZENE	PID	80.31	3.2%	213	71.00	11.6%	218	72.67	9.5%
TOLUENE	PID	76.84	7.2%	212	70.67	8.0%	189	63.00	18.0%
ETHYLBENZENE	PID	65.72	4.6%	198	66.00	0.4%	179	59.67	9.2%
m&p-XYLENES	PID	77.65	14.2%	477	79.50	2.4%	469	78.17	0.7%
o-XYLENES	PID	62.98	12.9%	178	59.33	5.8%	165	55.00	12.7%

INITIAL CALIBRATION DATE: 12/05/94
DAILY CALIBRATION DATE : 03/17/95

COMPOUND	DETECTOR	INITIAL	R Squared	ABSORBANCE	DAILY	%DIFF	ABSORBANCE	CLOSING	%DIFF
TRPH	IR	1.56E-03	0.9981	0.845	1.69E-03	8.2%	0.802	1.60E-03	2.7%

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD)

ANALYSIS DATE : 03/17/95 SAMPLE ID : YT-2 TEG #950317LD

COMPOUND	SPK CONC (mg/Kg)	MS CONC (mg/Kg)	% REC MS	MSD CONC (mg/Kg)	% REC MSD	RPD	ACP RPD	ACP %MS
TRPH	500	561	112.2%	584	116.8%	4.0%	15%	65% - 135%
BENZENE	1.000	0.822	82.2%	0.846	84.6%	2.9%	15%	65% - 135%
TOLUENE	1.000	0.893	89.3%	0.855	85.5%	4.3%	15%	65% - 135%
ETHYLBENZENE	1.000	0.914	91.4%	0.894	89.4%	2.2%	15%	65% - 135%
TOTAL XYLENES	3.000	2.896	96.5%	2.711	90.4%	6.6%	15%	65% - 135%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)

ANALYSES PERFORMED BY: MS. WINA SEISS

DATA REVIEWED BY: DR. BLAYNE HARTMAN

Blayne Hartman
4-4-95

DAMES & MOORE PROJECT #30431 001 131
11719 Woodside Avenue
Lakeside, CA

TEG Project #950317LD

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8010/8020) ANALYSES OF SOILS

	BLANK	YT-15 ND	YT-15 DUP
DATE RECEIVED	03/17/95	03/17/95	03/17/95
DATE EXTRACTED	03/17/95	03/17/95	03/17/95
DATE ANALYZED	03/17/95	03/17/95	03/17/95
FREON 12	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd
FREON 11	nd	nd	nd
1,1 DiCHLORO ETHENE	nd	nd	nd
METHYLENE CHLORIDE	nd	nd	nd
1,2 Trans DiCHLORO ETHENE	nd	nd	nd
1,1 DiCHLORO ETHANE	nd	nd	nd
CHLOROFORM	nd	nd	nd
1,2 Cis DiCHLORO ETHENE	nd	nd	nd
1,1,1 TriCHLORO ETHANE	nd	nd	nd
CARBON TetraCHLORIDE	nd	nd	nd
1,2 DiCHLORO ETHANE	nd	nd	nd
TriCHLORO ETHENE	nd	nd	nd
1,2 DiCHLORO PROPANE	nd	nd	nd
BROMO DiCHLORO METHANE	nd	nd	nd
Cis DiCHLORO PROPENE	nd	nd	nd
Trans DiCHLORO PROPENE	nd	nd	nd
1,1,2 TriCHLORO ETHANE	nd	nd	nd
TetraCHLORO ETHENE	nd	nd	nd
TetraCHLORO ETHANE	nd	nd	nd
SURROGATE RECOVERY (%)	136.4%	95.4%	97.4%

ND INDICATES NOT DETECTED AT DETECTION LIMIT OF 0.050 MG/KG FOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: DR. BLAYNE HARTMAN & MR. WES ROBB
DATA REVIEWED BY: DR. BLAYNE HARTMAN

Blayne Hartman
4-4-95

DAMES & MOORE PROJECT #30431 001 131
11719 Woodside Avenue
Lakeside, CA

TEG Project #950317LD

QA/QC DATA SUMMARY - EPA Method 8010/8020 ANALYSES - 03/20/95

	MATRIX SPIKE			MATRIX SPIKE DUPLICATE			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Recovery (%)	RPD
1,1 DiCHLORO ETHENE	10.00	11.81	118.1%	10.00	10.49	104.9%	11.8%
1,2 Trans DiCHLORO ETHENE	10.00	11.43	114.3%	10.00	10.41	104.1%	9.3%
1,2 Cis DiCHLORO ETHENE	10.00	11.26	112.6%	10.00	10.26	102.6%	9.3%
TriCHLORO ETHENE	10.00	11.09	110.9%	10.00	10.12	101.2%	9.1%
TetraCHLORO ETHENE	10.00	11.13	111.3%	10.00	10.19	101.9%	8.8%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1667)
ANALYSES PERFORMED BY: DR. BLAYNE HARTMAN & MR. WES ROBB
DATA REVIEWED BY: DR. BLAYNE HARTMAN

Blayne Hartman
4-4-95

ANALYTICAL PROCEDURES

The following text gives a brief summary of the analytical procedures used. Detailed descriptions are available upon request.

SAMPLE PREPARATION

Waters

Waters are prepared for TPH analysis (gasoline and diesel) and aromatic hydrocarbon analysis (BTEX) by either liquid-liquid extraction with freon 113 using a modified EPA Method 3510 or by purge & trap using EPA method 5030. For volatile chlorinated hydrocarbons, water samples are prepared by purge & trap following EPA Method 5030.

Soils

Soil samples are extracted with methanol for volatile chlorinated hydrocarbon compounds (EPA 8010) and with freon 113 for volatile aromatic hydrocarbon compounds (EPA 8020) and fuel compounds (DOHS approved EPA 8015m) by liquid-solid extraction using a modified EPA method 3550.

GAS CHROMATOGRAPHY

Volatile Chlorinated Hydrocarbons

Water samples and soil extracts are purged in a Tekmar LSC-2000 purge & trap, and backflushed into a Shimadzu 14A gas chromatograph equipped with megabore capillary columns and photoionization detector (PID) and Hall electrolytic detectors following EPA Methods 601/8010 and 602/8020.

Volatile Aromatic Hydrocarbons (BTEX) & Total Fuel Hydrocarbons (TPH)

An aliquot of the soil extract is injected on-column into a Shimadzu gas chromatograph equipped with megabore capillary columns, photoionization (PID) and flame ionization detectors (FID).

TOTAL RECOVERABLE HYDROCARBONS

Extracts are scrubbed with silica gel and measured on a BUCK 404 Infrared Analyzer following EPA 418.1 protocols.

DATA ACQUISITION & PROCESSING

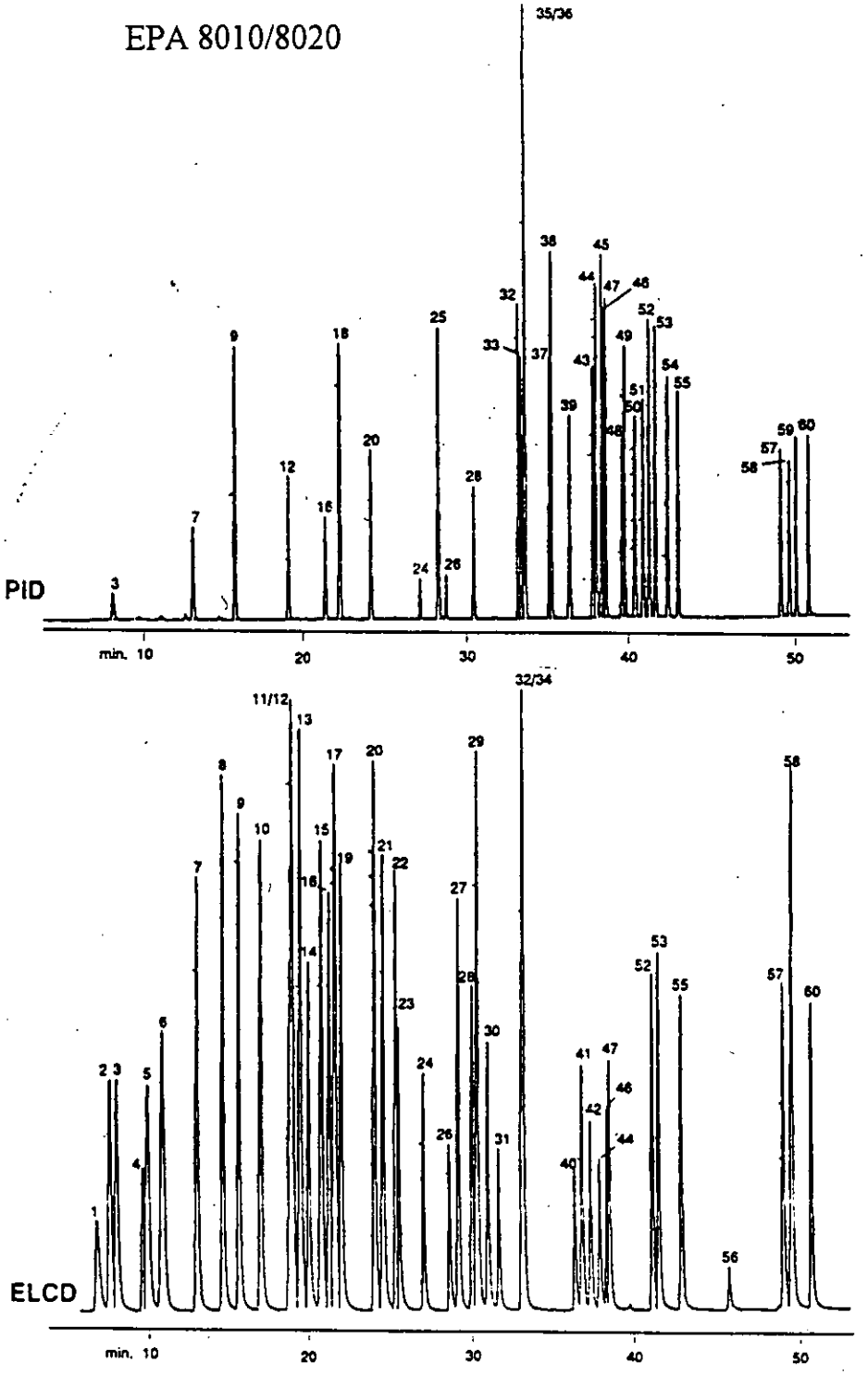
Data from the gas chromatographs are acquired by Peaksimple computer data acquisition system. Separate chromatograms are printed for each detector. The resulting chromatograms are inspected at the end of each run and the data entered into a spreadsheet for on-site processing and evaluation.

teg

HALOGENATED & AROMATIC VOLATILE HYDROCARBONS

EPA 8010/8020

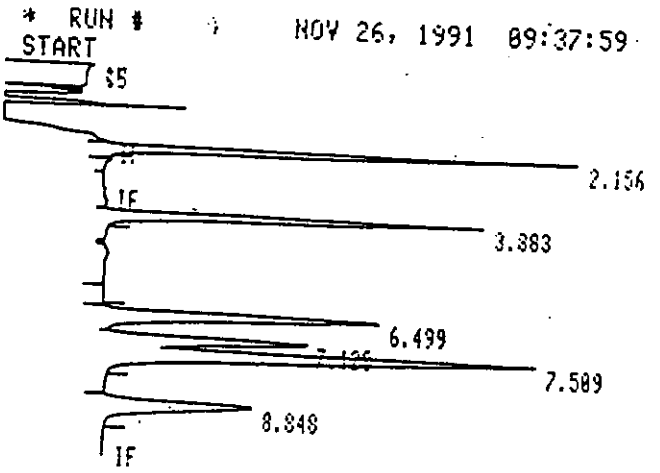
1	dichlorodifluoromethane
2	chloromethane
3	vinyl chloride
4	bromomethane
5	chloroethane
6	trichlorofluoromethane
7	1,1-dichloroethene
8	methylene chloride
9	trans-1,2-dichloroethene
10	1,1-dichloroethane
11	2,2-dichloropropane
12	cis-1,2-dichloroethene
13	chloroform
14	bromochloromethane
15	1,1,1-trichloroethane
16	1,1-dichloropropene
17	carbon tetrachloride
18	benzene
19	1,2-dichloroethane
20	trichloroethene
21	1,2-dichloropropane
22	bromodichloromethane
23	dibromomethane
24	cis-1,3-dichloropropene
25	toluene
26	trans-1,3-dichloropropene
27	1,1,2-trichloroethane
28	tetrachloroethene
29	1,3-dichloropropane
30	dibromochloromethane
31	1,2-dibromoethane
32	chlorobenzene
33	ethyl benzene
34	1,1,1,2-tetrachloroethane
35	*m*-xylene
36	*p*-xylene
37	*o*-xylene
38	styrene
39	isopropyl benzene
40	bromoform
41	1,1,2,2-tetrachloroethane
42	1,2,3-trichloropropane
43	n-propyl benzene
44	bromobenzene
45	1,3,5-trimethylbenzene
46	2-chlorotoluene
47	4-chlorotoluene
48	tert-butylbenzene
49	1,2,4-trimethylbenzene
50	sec-butylbenzene
51	*p*-isopropyltoluene
52	1,3-dichlorobenzene
53	1,4-dichlorobenzene
54	n-butylbenzene
55	1,2-dichlorobenzene
56	1,2-dibromo-3-chloropropane
57	1,2,4-trichlorobenzene
58	hexachlorobutadiene
59	naphthalene
60	1,2,3-trichlorobenzene



Transglobal Environmental Geochemistry

432 N. Cedros Ave., Solana Beach, CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

VOLATILE AROMATIC HYDROCARBONS (EPA 602/8020)



TIMETABLE STOP

Closing signal file M:SIGNAL .BNC

RUN# 4 NOV 26, 1991 09:37:59

SIGNAL FILE: M:SIGNAL.BNC

EPA8020M

ESTD

RT	TYPE	AREA	WIDTH	HEIGHT
2.156	BB	413165	.894	73440
3.883	PB	366094	.137	44456
6.499	BB	387750	.200	32291
7.128	BB	208464	.178	19467
7.509	BB	545349	.200	45373
8.848	BB	278847	.265	17522

RT	CAL#	PPM SOIL	NAME
2.156	1R	1.195	BENZENE
3.883	2R	1.221	TOLUENE
6.499	3R	1.201	CHLOROBENZ
7.128	4R	1.232	ETHYLBENZ
7.509	5R	2.342	M&P XYLENE
8.848	6R	1.250	O XYLENE

TOTAL AREA=2199569
MUL FACTOR=1.0030E+00

432 N. Cedros Ave., Solana Beach CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

Transglobal Environmental Geochemistry

teg TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY

CHAIN-OF-CUSTODY RECORD

P.O. #: _____

CLIENT: 30431.001 131 / Dames & Moore

ADDRESS: _____

PHONE: _____ FAX: _____

CLIENT PROJECT #: _____ PROJECT MANAGER: _____

DATE: 3-17-95 PAGE 01 OF 01

TEG PROJECT #: 950317LO

LOCATION: 1119 Woodside, Lafayette

COLLECTOR: _____ DATE OF COLLECTION: 3/17/95

YT6A / YT7B Sample Number	1139 3/17 Depth	1243 Time	C Sample Type	Container Type	ANALYSES: VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi VOCs 625/8270	TPH (8015)	TPH 8015 (gasoline)	TPH 8015 (diesel)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	8010 5ml	FIELD NOTES	Total Number Of Containers	Laboratory Number
YT-15	2'	9:19	Hand	4oz JAR														X			1	
YT-2 ✓	2.5'	9:26	"	"			X														1	
YT-5	2.5'	9:31	"	"			X														1	
YT-8	2.5'	1:46	"	"			X														1	
YT-11	2.2'	9:53	"	"			X														1	
YT-1 ✓	2.1'	10:01	"	"																	1	
YT-4		10:13																			1	
YT-7	2.5'	10:25	"	"																	1	
YT-13	2.5'	10:41	"	"	X																1	
YT-14	2.5'	10:48	"	"	X																1	
YT-7A	2.0'	11:00	"	"			X														1	
YT-10	3'	11:18																			1	
YT-6	2.5'	11:27					X														1	
YT-9	2.5'	11:37	"	"			X														1	
YT-12	4'	11:50	"	"			X														1	
YT-3	4.2'	12:05					X														1	
YT3V	2'	12:15																			1	
YT7V	2'	11:55					X														1	

RELINQUISHED BY: (Signature) DATE/TIME: 3/17/95 1200 RECEIVED BY: (Signature) DATE/TIME: 3/17/95 1200

RELINQUISHED BY: (Signature) DATE/TIME: RECEIVED BY: (Signature) DATE/TIME:

SAMPLE DISPOSAL INSTRUCTIONS

☑ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS	21
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	NA
RECEIVED GOOD COND./COLD	GC
NOTES:	

LABORATORY NOTES: /

GT01279 and Front of Page 1

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No. CAC000103448 — Manifest Document No. 90717971

2 Page 1 of — Information in the shaded areas is not required by Federal law.

3 Generator's Name and Mailing Address
Y-TIRE SALES, INC.
11719 WOODSIDE AVE., LAKESIDE, CA 92040

4 Generator's Phone: ( ) 213-223-1391

A State Manifest Document Number: 90717971

B State Generator's ID: NA993695999

5 Transporter 1 Company Name: FALCON DISPOSAL SERVICES, INC. — 6 US EPA ID Number: CAD000000000

C State Transporter's ID

D Transporter's Phone: 310-603-0500

7 Transporter 2 Company Name: P.M.S. TRANSPORTATION — 8 US EPA ID Number: CAL000148544

E State Transporter's ID: 146779

F Transporter's Phone: 909-371-0417

9 Designated Facility Name and Site Address
Chemical Waste Management
35251 OLD SKYLINE ROAD
KETTLEMAN HILLS, CA 93239 — 10 US EPA ID Number: CAT080064611

G State Facility's ID: CAT080064611

H Facility's Phone: 209-386-9711

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. NON-RCRA HAZARDOUS WASTE SOLID NON-RCRA HAZARDOUS WASTE SOLID	001	DM	420	LBS	State EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J Additional Descriptions for Materials Listed Above

Bottle should be BQ5349 per Steve Lebow 4/7/95 — K. Handling Codes for Wastes Listed Above: a. 03 b. c. d.

11 a. PROFILE #BQ5349 (CATALYST)

15 Special Handling Instructions and Additional Information

WEAR PROPER PROTECTIVE EQUIPMENT (24 HOUR EMERGENCY CONTACT 213-223-1391)

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 governmental 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: Shelly Russell for Y-Tire — Signature: Shelly Russell for Y-Tire — Month Day Year: 04 07 95

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: CHUCK WILEY — Signature — Month Day Year: 04 07 95

19 Discrepancy Indication Space
#14 - Blank - OP 4/7/95 - Received w/ Shelly Russell 4/10/95 RC

20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name: Jim Sook — Signature — Month Day Year: 04 07 95

Do Not Write Below This Line

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

White TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To P.O. Box 3000 Sacramento, CA 95812

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

90717971

STERLING

Analytical Laboratory

Greenfield Environmental
2531 E. 67th Street
Long Beach, CA 90805

ATTN: Bob Kenyon

April 3, 1995

JOB NO.: 0694036.00
FOLDER NO.: 2977

Page 1 of 1

LABORATORY REPORT

Samples: Three (3) soil samples from Y-Tire, 1941 Marianna Street, Los Angeles, CA, collected on 03/24/95 and received on 03/27/95. Additional analysis requested 03/30/95. 3-Day Rush Analysis.

Sample ID	STLC Lead (6010A) mg/L
Y-Tire	11.7
Reporting Limit	0.003
Date Analyzed	04/03/95

Reviewed by

Approved by

G2977a.rep

2860 Walnut Avenue
Long Beach, CA 90806-1834

(800) 366-9324 • (310) 595-9324
(310) 595-6709 FAX

APR 03 '95 02:24PM SCS LABORATORY

STERLING

Analytical Laboratory

Greenfield Environmental
2531 E. 67th Street
Long Beach, CA 90805

ATTN: Bob Kenyon

March 28, 1995

JOB NO.: 0694036.00
FOLDER NO.: 2977

LABORATORY REPORT

Samples: Three (3) soil samples from Y-Tire, 1941 Marianna Street, Los Angeles, CA, collected on 03/24/95 and received on 03/27/95. 24-Hour Rush Analysis (CAM Metals only).

Sample ID	TOX (9020) mg/Kg
Y-Tire	*
Reporting Limit	
Date Analyzed	

* To follow.

CAM Metals - See attached sheet.

Reviewed by

Approved by

G2977.rep

2860 Walnut Avenue
Long Beach, CA 90806-1834

(800) 366-9324 • (310) 595-9324
(310) 595-6709 FAX

STERLING
Analytical Laboratory

Addendum Report, CAM Metals
Page 2 of 2

Sample I.D.: Y-Tire
Date Received: 03/27/95
Date Analyzed: 03/28/95
Matrix: Soil
Project: 0694036
File #: G2977.rep

Compound	EPA Number	Result mg/kg (ppm)	R.L
Antimony	6010A	2.7	2.5
Arsenic	6010A	3.2	0.5
Barium	6010A	123	1.0
Beryllium	6010A	ND	1.0
Cadmium	6010A	0.9	0.5
Chromium	6010A	23.1	1.0
Cobalt	6010A	7.4	1.0
Copper	6010A	31.4	1.0
Lead	6010A	255	0.5 ← CTLC NEEDS
Mercury	7471	ND	0.2
Molybdenum	6010A	1.4	1.0
Nickel	6010A	8.1	1.0
Selenium	6010A	3.1	0.5
Silver	6010A	1.7	1.0
Thallium	6010A	ND	2.5
Vanadium	6010A	59.5 -ok	2.5
Zinc	6010A	56.5 -ok	2.5

ND = Not Detected
R.L. = Reporting Limit

STERLING

Analytical Laboratory

Greenfield Environmental
2531 E. 67th Street
Long Beach, CA 90805

ATTN: Bob Kenyon

March 28, 1995

JOB NO.: 0694036.00
FOLDER NO.: 2977

LABORATORY REPORT

Samples: Three (3) soil samples from Y-Tire, 1941 Marianna Street, Los Angeles, CA, collected on 03/24/95 and received on 03/27/95. 24-Hour Rush Analysis (CAM Metals only).

Sample ID	TOX (9020) mg/Kg
Y-Tire	*
Reporting Limit	
Date Analyzed	

* To follow.

CAM Metals - See attached sheet.

Reviewed by	Approved by

2860 Walnut Avenue
Long Beach, CA 90806-1834

(800) 366-9324 • (310) 595-9324
(310) 595-6709 FAX

DAMES & MOORE
9665 CHESAPEAKE DRIVE, SUITE 201, SAN DIEGO, CALIFORNIA 92123-1349
(619) 541-0833 FAX: (619) 541-0890

February 22, 1995

San Diego County
Department of Environmental Health (DHS)
Site Assessment Mitigation (SAM)
1255 Imperial Avenue
San Diego, California 92101

Attention: Mr. Larry Bodenhamer

Work Plan
Environmental Sampling Activities
Y Tire Sales, Inc.
11719 Woodside Avenue, Lakeside, California
Project No. 30431-001-131

Dear Mr. Bodenhamer:

Dames & Moore is pleased to present this work plan to perform environmental sampling activities at the above site. The site is located at 11719 Woodside Avenue in Lakeside, California.

BACKGROUND

Mr. Robert Johnston of Dames & Moore accompanied Ms. Melody Harris, Attorney-at-Law, during a site visit on Friday, December 2, 1994. The site visit indicates that the property is occupied by a garage-type structure formerly utilized by Y Tire Sales, Inc. (Y Tire). Mr. Guy De Lisa was also present on site and indicated the area previously sampled by Woodward-Clyde Consultants as outlined in their letter report dated October 20, 1994. Four patched boreholes were visible during the site visit.

A review of the above-referenced Woodward-Clyde report indicates that four hand auger borings were excavated adjacent to the garage structure and in the vicinity of the former waste oil drum storage area. The hand augers were excavated to depths of approximately 16 inches below the top of the asphalt and yielded concentrations of total recoverable petroleum hydrocarbons (TRPH) utilizing EPA Test Method 418.1 of 16 mg/kg to 750 mg/kg. In addition, total petroleum hydrocarbons (TPH) measured using EPA Test Method

RSJ:rts
30341-001-131
SDO/002/B26

8015 were also measured in two of the borings with concentrations ranging from below detection limits to 820 mg/kg. The above report indicates that the TPH measured are characteristic of the range of diesel fuels (carbon range C14 to C24) and 30 weight motor oil (carbon range C25 to C36). Additionally, the report indicates mitigation of the surface soils is likely; the California Regional Water Quality Control Board has set the area as having potential beneficial uses with tentative mitigation levels of 100 mg/kg in subsurface soils. The vertical extent of TRPH/TPH impacts had not been established as of the date of the above report.

PURPOSE AND SCOPE

Based on the above information, the purpose of the proposed environmental engineering services is to provide additional information on the vertical and areal extent of TPH/TRPH impacts. The scope of services is outlined below:

- Prepare a Health and Safety Plan. A health and safety plan will be prepared to outline the use of personal protective equipment (PPE) for Dames & Moore employees during the field activities.

- Retain, as the client's agent, a subcontractor to initially excavate backhoe trenches in the vicinity of the drum storage area to attempt to identify the vertical and areal extent of impacted soils with TRPH/TPH in excess of 100 mg/kg.

- Retain, as the client's agent, a subcontractor to perform remedial excavation activities. It is anticipated that the materials excavated would be placed on visqueen and covered with visqueen pending further characterization. It is also anticipated that the total amount excavated will be less than 15 cubic yards.

- Perform observations during the field activities. A representative of Dames & Moore will observe the excavation activities and collect soil samples for subsequent analysis;

- Retain a laboratory to perform TRPH analysis. For the purposes of this proposal, a total of five samples will be submitted to a laboratory for testing;
- Retain, as the owner's agent, a contractor to backfill the excavations and surface with asphalt;
- Prepare a limited letter report summarizing the results of the field activities and the analytical laboratory tests.

ESTIMATED SCHEDULE

It is anticipated that Dames & Moore will initiate the field activities during the last week of February 1995 with the final report ready for issue the second week of March 1995.

If you have any questions regarding the contents of this work plan, please contact the undersigned at your convenience.

Very truly yours,

DAMES & MOORE, INC.

Robert S. Johnston, RCE
Associate

c: Melody Harris, Attorney-at-Law

RSJ:rts
30341-001-131
SDO/002/B26

LAND AND WATER QUALITY DIVISION

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT

ESTABLISHMENT NO. 204246 PLAN CHECK NO. AT 5118

SITE NAME Silver Sage Props. PHONE

SITE ADDRESS 11719 Woodside CITY Lake Side ZIP 92040

CONTRACTOR SOLARIS PHONE

Number of tanks to be removed (1) 2 3 4 5 6 7 8

Decontamination by E-T-R

Manifest No. 23414555

Tank rinsate/(amount & destination) 120 G - Dome Rd AZ

FIRE AGENCY PRESENT YES (NO)

Dept. Co. Fire

Permit No. by Removal Ind.

Inspector S. Rowland

Tank ID No.	T1				REMARKS
Capacity	750				Maintain Area Secure
Tank Construction	Sw-Steel				
Materials stored	Unk				
% L.E.L.	0				
Dry ice/other (amt.)	#30				
Tank condition	Holes				
Backfill soil type	Silty Sand				Post Tank Removal Approved
Backfill condition	Good				
Native soil type	Silty Sand				
Native condition	Odors				
Excavation odors?	N				
Stockpile odors?	N				
Water present?	N				
Ponded product?	N				
Piping removed?	n/a				

REINSPECTION REQUIRED YES (NO) If yes, explain

NOTICE: You are hereby notified that on 11/23/04, an Environmental Health Specialist conducted an inspection for the closure of (1) hazardous substance underground storage tank(s). A summary of the conditions follows:

☐ An unauthorized release of a hazardous substance has been observed by the Environmental Health Specialist. You are hereby required to initiate **Corrective Action** measures (See Page 4 for details).

☑ A determination of this site's status is pending the Site Assessment and Mitigation (SAM) Program's receipt and review of analytical results for the samples taken from the tank and/or piping closure site. A laboratory report must be submitted to SAM within 30 days. Please request that the laboratory send a copy of the analytical report directly to Coen Hoffat at the address provided below.

The SAM Program has completed its review of the analytical results for samples collected at the tank closure site and has determined the following: SAM # 435322-002

☐ TANK CLOSURE COMPLETE - NO FURTHER ACTION REQUIRED

☒ INITIATE CORRECTIVE ACTION MEASURES (See enclosed information)

Reviewed by: ENVIRONMENTAL Date Reviewed: 11/30/04 Supervisor (initial): MV

RECEIVED BY David Nelsen

PRINTED NAME DAVID Nelsen

PHONE NUMBER

Environmental Health Specialist
SAM - P.O. Box 129261
San Diego, CA 92112-9261
(619) 338-2222

DISTRIBUTION: WHITE-RETURN TO SAM
YELLOW-BUSINESS RETAINS

ype(s) of hazardous substance(s) released (mark all that apply):

☐ Gasoline ☐ Diesel ☐ Waste Oil ☐ Other _____

Is hazardous material ponded? ☐ Yes* ☐ No Estimated amount? _____

Estimated depth to groundwater below this site: 30 + feet Beneficial use? ☑ Yes ☐ No

907.12 - MUN.

SOIL CONDITIONS (Odors, Staining, Volume): H19562 (1 mile east @ 28' BGS)

Describe backfill and its condition: _____

- Also, No GW in on-site borings @ 20' BGS

Describe native soil and its condition: Silty Sand - Methane / Mineral spirits-like odor. Mineral stains

How was hazardous substance released? Tank.

Tank condition (holes, corrosion, wrapping, seams, evidence or overfill) Holes @ both ends (see photo & diagram).

Estimated length of piping removed? n/a feet Date tanks last used? Unk.

Nearby water wells or surface waters? ☑ Yes* ☐ None noted

*Describe SD River ~ 1000' North

Any known sensitive receptors, i.e., underground vaults, utilities or basements nearby? ☑ Yes* ☐ None noted

*Describe ① School east of property (Approx ~100')

COMMENTS: ② Supply well at school

③ Four state sources ~500' North (Down Gradient) of property.

TPH of Area below the tank not fully assessed. That, combined with 3 sensitive receptors above requires a core be opened



Tank in the ground

Silver Sage 11719 Woodside Ave 204246
11/23/04 Ewan Moffat AT 5118

Points North.



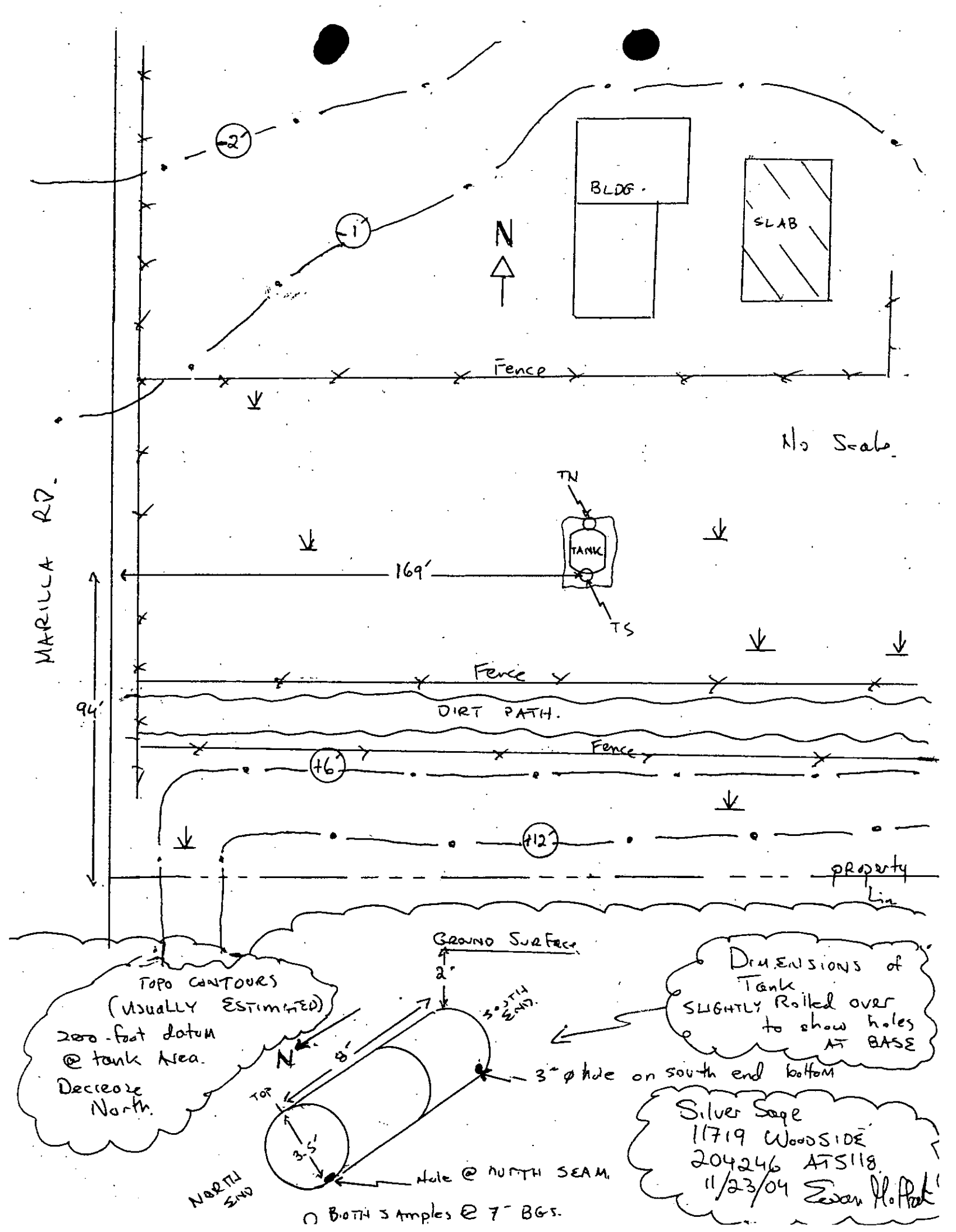
3" hole south end @ base

Hole north seam, base.

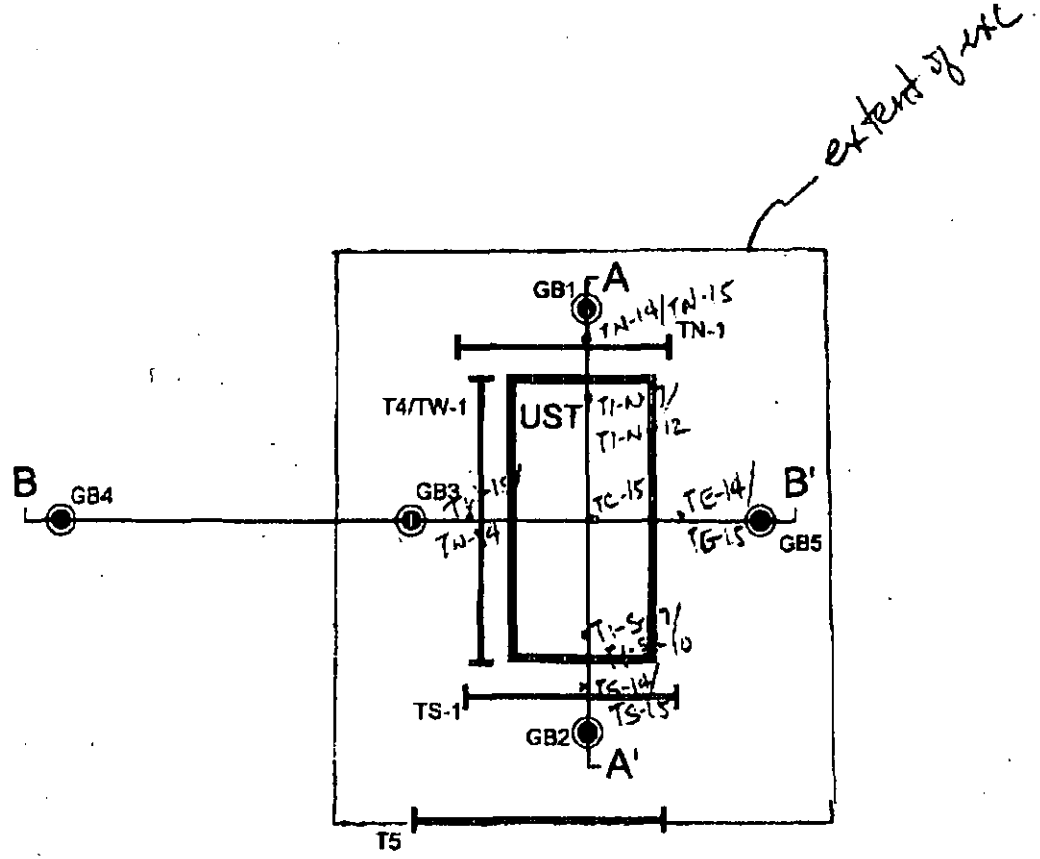


Excavation.

Overview of area.


-2'
-1'
BLDG.
SLAB
N
Fence
No Scale
MARILLA RD.
TN
TANK
169'
TS
Fence
94'
DIRT PATH.
Fence
+6'
+12'
property Line
TOPO CONTOURS (USUALLY ESTIMATED)
200-foot datum @ tank Area.
Decrease North.
Ground Surface
2'
SOUTH END
N
8'
TOP
3-5'
NORTH END
3" ø hole on south end bottom
Hole @ NORTH SEAM.
○ Both samples @ 7' BGS.
DIMENSIONS of Tank SLIGHTLY Rolled over to show holes AT BASE
Silver Sage
11719 Woodside
204246 AT5118
11/23/04 Evan McPeek

11719-11749 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA



N

APPROX. SCALE: 1" = 5'

GEOCON LEGEND

UST ..... UNDERGROUND STORAGE TANK

GB1 ..... APPROX. LOCATION OF SOIL BORING

TN-1 ..... APPROX. LOCATION OF TRENCH

A A' ..... APPROX. LOCATION OF CROSS-SECTION

DETAIL VIEW - UST

GEOCON
CONSULTANTS, INC.
ENVIRONMENTAL ■ GEOTECHNICAL ■ MATERIALS
6970 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121 - 2974
PHONE (858) 558-6100 - FAX (858) 558-6437

PROJECT NO. 09429 - 06 - 01
FIGURE 4
DATE

MicaelaDrawings\Environmental\09429-06-01(Woodside Ave.)\Existing UST

11/30/2004 10:07 858-558-6437 GEOCON CONSULTANTS PAGE 02/10

2004 OCT 19 PM 3:35

PERMIT APPLICATION
PART I
GENERAL PROJECT INFORMATION

HAZARDOUS MATERIALS UNDERGROUND STORAGE TANK FACILITY

2042A6

OFFICE USE ONLY
PERMIT #: H35322
PLAN CK#: HU-AT 5118
DATE RECEIVED: 10/19/04
FEE PAID: $625
PLAN APPROVAL: 11/4/04
HYDRO UNIT:
BENEF. USE:

ORIGINAL

A. SITE NAME: 11719 Woodside

SITE ADDRESS: 11719 Woodside Ave. City Lakeside Zip 92040

B. PROPERTY OWNER:

Assessor's Parcel No. 382-220-01-00

Company Silver Sage Properties, LLC Contact Mr. Jim Hunter

Mailing Address 1670 La Force Road City Alpine State CA Zip 91909

Phone ( ) (619) 507-6200

24-Hour Emergency Contact same as above Phone ( ) same as above

C. TANK OPERATOR:

Company Same as above Contact

Mailing Address City Zip

Phone ( )

24-Hour Emergency Contact Phone ( )

D. CONTRACTOR PERFORMING WORK:

Primary Contractor Soclaris Contracting Contact Sonny Rosenal

Mailing Address 7437 Lowell Ct. City La Mesa Zip 91941

Phone ( ) (619) 465-3438

State Contractor's License "A" 793838

Hazardous Substances Certificate 793838

Worker's Compensation Insurance Company State Fund Ins

E. APPLICATION SUBMITTAL, PLAN APPROVAL, PERMIT ISSUANCE, AND REQUIRED INSPECTIONS

Submit one (1) original and two (2) copies of this application package, including plan drawings, with the required fee to the Department of Environmental Health (DEH), Hazardous Materials Division, 1255 Imperial Avenue, Third Floor, San Diego, CA 92101; or mail to P.O. Box 129261, San Diego, CA 92112-9261. **Checks should be made payable to the County of San Diego.**

A permit will be issued by DEH upon review and approval of the application and plans. The required fees must be submitted with the application package. Information in addition to that presented in the application package may be needed in order to obtain final approval. No work is to begin on the proposed project until a permit has been issued. The required inspections cannot be scheduled until a permit is issued.

Once the permit has been issued, it is the responsibility of the permittee to notify DEH at least two (2) working days in advance to schedule each required inspection.

Construction stages at which inspections are required are indicated in each subpart of this application form (i.e., Part II, III, IV, & V). If you need additional information, please call the Underground Storage Plan Check Desk at (619) 237-8451.

**** Office Use Only ****
Unified Program Facility Permit #_____
Plan Check #
DEH Inspector

WORKPLAN FOR POST-TANK REMOVAL INVESTIGATION

Complete this Workplan only if you intend to utilize a backhoe to investigate the extent of hydrocarbon contamination within 72 hours of the removal of an underground storage tank (UST). This site investigation work must be implemented in accordance with the DEH-SAM Manual and under the direction of an appropriately Registered Geologist (RG), Certified Engineering Geologist (CEG) or Registered Civil Engineer (RCE). A complete site assessment report, signed by the above referenced registered professional, must be submitted to DEH within 60 days of the date of the field investigation. This workplan must be signed by the above referenced registered professional.

1. Establishment Name/Address

   11719 Woodside Avenue

   Lakeside, California 92040

2. Contractor, Contact & Phone No.

   Soclaris Contracting, Sonny Rosenal, (619) 465-3438

   Environmental Consultant, Contact & Phone No.

   Geocon Consultants, Inc., Ron Kofron or Bob Owoc, (619) 558-6100

   Registered Professional (defined above) & Phone No.

   Ronald J. Kofron, CEG, (619) 558-6100

3. Describe how the backhoe will be utilized to conduct the site investigation (ie. potholing, trenching, etc.) and estimate the maximum quantity of soil to be excavated.

   Assessment and soil sampling will be conducted by trenching and potholing beyond the limits of the tank cavity using a backhoe or excavator. A maximum of 75 cubic yards of soil will be excavated under this workplan.

4. Describe the soil sample collection methods and laboratory to be used (reference Section 5.III of the SAM Manual). Soil analysis must be performed by a California DTSC Certified Laboratory.

Soil samples will be collected as the excavation proceeds from the bucket of the backhoe using a hand trowel. Laboratory will be H & P Mobile Geochemistry in Solana Beach, California.

PER SAM MANUAL 2004

BTEX, OXYGENATES AND NAPHTHALENE

5. Attach a site drawing (to scale) which includes at a minimum: site structures, subsurface utility lines and fuel lines, UST(s) location, site investigation area, stockpiled soil area, prevailing wind direction, adjacent street and property uses, surface water and wells.

Refer to Figures 1 and 2. No structures, active underground utilities, surface water, or wells are located within 50 feet of the excavation area.

6. Describe methods to monitor and control hydrocarbon vapor emissions at the excavation site.

A combustible gas indicator (CGI) or a photoionization detection (PID) will be used to monitor air at the excavation area.

7. Describe the procedures for the management of excavated soil, i.e. soil, segregation, engineering controls for the stockpile soil (reference Section 7.VI of the SAM Manual), soil characterization, on-site soil management, off-site disposal, on-site treatment, etc. Describe the Best Management Practices (BMPs) to be used in the event of rainfall to control erosion from stockpiled soil.

Excavated soil will be placed on and covered with plastic. If soil containing hydrocarbons is excavated, the soil will be transported to an offsite recycling facility.

8. A Public Notification Program must be implemented prior to commencing the site investigation. Attach a copy of the public notice and provide a written description of the program (reference Section 4.IV of the SAM Manual). Identify the targeted population and the method of public notice distribution.

Public notice will be posted on the existing perimeter fence of the construction site. Pedestrians and bystanders are the only targeted population.

Sample of Public Notice and Proposition 65 Notice attached.

Please Note:

- The investigation trench or excavation must be logged under the direction of a RG, CEG or RCE and include a complete description of the subsurface soil and/or rock.
- All contaminated soil should either be removed from the site or be treated on-site (with agency approval) within 45 days of site excavation.
- The site excavation must be secured with fencing, site security and other methods as required to ensure public safety. DEH recommends backfilling the excavation site for safety reasons within 72 hours of the post-tank removal investigation.

Prepared by:

Ronald J. Kofron, CEG Geocon Consultants, Inc. 10/18/04

(Name, print or type) (Company) (Signature) (date)

Approved by Tank/Property Owner:

Oct 18 2004

Woodside Avenue Investors, LLC by James W. Hunter

(Name, print or type) (Signature) (date)

Approved by DEH, SAM Program:

MIKE VORHOFF 11-1-04

(Name, print or type) (Signature) (date)

EM

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2088
1-800-253-9933
www.sdcdeh.org

April 27, 2006

Mr. Jim Hunter
Woodside Avenue Investors, LLC
1670 La Force Rd.
Alpine, CA 91901

Dear Mr. Hunter

UNDERGROUND STORAGE TANK (UST) CASE H35322-002
FORMER WOODSIDE MOTORS
11719 WOODSIDE AVE., LAKESIDE, CA 92040

This letter confirms the completion of a site investigation and corrective action for the underground storage tank formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank is greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release at the site is required.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code. Please contact Ewan Moffat at (619) 338-2212 if you have questions regarding this matter.

Sincerely,

for GARY W. ERBECK, Director
Department of Environmental Health
Site Assessment and Mitigation Program

GWE:EM:kd

Enclosure

cc: John Odermatt, Regional Water Quality Control Board
Ron Duff, SWRCB, UST Cleanup Fund Program
Jay Dablow, ERM

WP/H35322-002-406

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

DATE: May 2, 2006

Agency Name: COUNTY OF SAN DIEGO, ENVIRONMENTAL HEALTH, SAM	Address: P.O. BOX 129261
City/State/Zip: SAN DIEGO, CA 92112-9261	Phone: (619) 338-2222 FAX: (619) 338-2377
Responsible Staff Person: EWAN MOFFAT	Title: ENVIRONMENTAL HEALTH SPECIALIST

II. CASE INFORMATION

Site Facility Name: LAKESIDE MOTORS

Site Facility Address: 11719 WOODSIDE AV, LAKESIDE, CA 92040

RB LUSTIS Case No:	Local Case No: H35322-002	LOP Case No: N/A
URF Filing Date: 11/30/2004	SWEEPS No: N/A	

Responsible Parties	Address	Phone Number
WOODSIDE INVESTORS LLC C/O MR. JIM HUNTER	1670 LA FORCE RD ALPINE CA 91909	507-6200

Tank No.	Size in Gal.	Contents	Status	Date
1	750	UNKNOWN	REMOVED	11/23/04

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause Release: SUBSTANCE RELEASED FROM UST	Substance Released: DIESEL

Site Characterization complete: YES	Date Approved By Oversight Agency: 8/15/2005	
Monitoring Wells Installed? YES	Number: 4	Proper Screened Interval? NO*
Highest GW Depth B.G. Surface: 21.77'	Lowest Depth: 24.18'	Flow Direction: NORTH

Most Sensitive Current Use: EXISTING BENEFICIAL GROUNDWATER USE: MUN, AGR, IND, PROC
EXISTING BENEFICIAL SURFACE WATER USE: IND, REC1, REC2 AND POTENTIAL: MUN

Are Drinking Water Wells Affected? NO	Aquifer Name: 907.12-SANTEE HYDROLOGIC SUB AREA
Is Surface Water Affected? NO	Nearest SW name: SAN DIEGO RIVER 1/4 MILE NORTH

Off-Site Beneficial Use Impacts (addresses/locations): NA

Report(s) on file? YES	Where is Report(s) Filed? COUNTY OF SAN DIEGO, ENVIRONMENTAL HEALTH

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal)	Date
TANK(S)	1	RECYCLED / PACIFIC COAST SAN DIEGO CA	11/23/2004
SOIL	268 TONS	RECYCLED / CANDELARIA, ANZA CA	3/17/2005

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued) H35322-002

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS	MAXIMUM	REMAINING
SOIL		
Gasoline	< 10 mg/kg	< 10 mg/kg
Diesel	= 5400 mg/kg	= 310 mg/kg
TPH Extended	< 25 mg/kg	< 25 mg/kg
Benzene	< 0.005 mg/kg	< 0.005 mg/kg
Toluene	< 0.005 mg/kg	< 0.005 mg/kg
Ethyl benzene	< 0.005 mg/kg	< 0.005 mg/kg
Xylene (individual isomers or total)	< 0.015 mg/kg	< 0.015 mg/kg
Methyl-tert-butyl ether (MTBE)	< 0.005 mg/kg	< 0.005 mg/kg
tert-Butyl Alcohol (TBA)	< 0.025 mg/kg	< 0.025 mg/kg
WATER		
Gasoline	< 50 ug/l	< 100 ug/l
Diesel	< 500 ug/l	< 50 ug/l
Benzene	< 0.5 ug/l	< 0.5 ug/l
Toluene	< 1 ug/l	< 1 ug/l
Ethyl benzene	< 1 ug/l	< 1 ug/l
Xylene (individual isomers or total)	< 1 ug/l	< 1 ug/l
Methyl-tert-butyl ether (MTBE)	< 1 ug/l	< 1 ug/l
tert-Butyl Alcohol (TBA)	< 10 ug/l	< 10 ug/l

Comments:

During the removal of the 750 gal. tank samples revealed elevated levels of TPH. A post tank removal workplan was submitted for the removal of up to 75 cubic yards of soil; however, a total of 268 cubic yards of soil was removed. Four monitoring wells were installed and two groundwater sampling events revealed that there was no evidence of groundwater contamination from this tank.

The consultant estimates that one cubic yard of contaminated soil over 100 ppm TPH remains on site and thus there are no impacts to human health or groundwater.

Other than excavation, no other form of cleanup has occurred on site.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? YES

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? YES

Does corrective action protect public health for current land use? YES

Case oversight completed based upon the following site use: RESIDENTIAL

Site Management Requirements:
ANY CONTAMINATED SOIL EXCAVATED AS PART OF SUBSURFACE CONSTRUCTION WORK MUST BE MANAGED IN ACCORDANCE WITH THE LEGAL REQUIREMENTS AT THAT TIME.

Should corrective action be reviewed if land use changes? YES

Monitoring Wells Decommissioned: NO	Number Decommissioned: 0	Number Retained: 4

List Actions Taken: NONE

List Enforcement Actions Rescinded: NONE

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: TONY SAWYER	Title: HYDROGEOLOGIST
Signature:	Date: 4-26-06

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

VI. RWQCB NOTIFICATION H35322-002

Date Submitted to RB:	RB Response: NA - SOILS ONLY	
RWQCB Staff Name: NA	Title:	Date:

VII. ADDITIONAL COMMENTS, DATA, ETC.

A permit has been issued for the destruction of the existing monitoring wells on-site. The permit number is LMON 103890.

* Wells were screened from 25' - 35' bgs even though groundwater is 21'-24' bgs. Per 4/21/06 document which the consultant indicates that the boring log information clearly indicates no liquid phase hydrocarbons could be there.

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.

EM

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
619-338-2222/FAX 619-336-2315/1-800-253-9933
www.sdcounty.ca.gov/deh/lwq

RICHARD HAAS
ASSISTANT DIRECTOR

NOTICE OF RESPONSIBILITY

December 2, 2004

Mr. Jim Hunter
Woodside (Silver Sage) Investors, LLC
1670 La Force Rd.
Alpine, CA 91909

Dear Mr. Hunter:

UNAUTHORIZED RELEASE #H35322-002
SILVER SAGE PROPERTIES
11719 WOODSIDE AVE., LAKESIDE, CA 92040

The County of San Diego, Department of Environmental Health, Site Assessment and Mitigation Program (SAM), has been notified of an Unauthorized Release of hazardous substances from the underground storage tank system (UST) at the location referenced above. You are hereby notified that pursuant to Section 25297.1 of the California Health and Safety Code, the above site has been placed in the Local Oversight Program. The above-named individual or entity has been identified as the party responsible for investigation and cleanup of the above site.

Title 23 of the California Code of Regulations requires the responsible party to implement initial corrective action measures upon the discovery of an Unauthorized Release from a UST system. Enclosed for your information is a listing of initial corrective action measures and applicable notification requirements.

The responsible party must complete and submit the enclosed UST Unauthorized Release Report (Form No. HSC-05) to SAM within five (5) working days. SAM will determine subsequent corrective action requirements after evaluation of the Unauthorized Release Report. You will be notified of additional corrective action requirements in writing by SAM. When corrective action has been successfully completed, SAM will issue a case closure letter.

Section 25297.15 of the Health and Safety Code requires the primary or active responsible party to notify all current record owners of fee title of the above-referenced property before SAM considers proposals for cleanup, considers a proposal for site closure, or issues a site closure letter. It is the responsibility of the above-named party to submit a letter to this agency within 20 calendar days of receipt of this notice, which identifies all current record owners of fee title. It is also the responsibility of the above-named party to certify to SAM that the required notifications have been made at the time a cleanup or site closure proposal is made, or before SAM makes a determination that no further action is required. If property ownership changes, the primary responsible party must notify SAM of the change within 20 calendar days of being informed of the change.

The State Underground Storage Tank Cleanup Fund can provide reimbursement to eligible responsible parties for corrective action costs and third party liability costs. For more information on the UST Cleanup Fund, please contact the State Water Resources Control Board at 1-800-813-3863.

Any action or inaction by this agency, associated with corrective action or responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/inaction. To obtain petition procedures, please FAX your request to the State Water Resources Control Board at (916) 341-5808 or telephone (916) 341-5851.

The County of San Diego, Department of Environmental Health, is currently the agency responsible for the oversight of this case. Section 25299.37(c)(7) of the Health and Safety Code allows a responsible party to request that a different oversight agency be named. Contact the State Water Resources Control Board for additional information.

If you have any questions concerning this Notice, please contact the undersigned at (619) 338-2212, or the Division of Clean Water Programs, State Water Resources Control Board, P.O. Box 944212, Sacramento, CA 94244-2120.

Sincerely,

EWAN MOFFAT, Project Manager
Site Assessment and Mitigation Program

EM:kd

Enclosure(s)

CERTIFIED/RRR

cc: Jenniffer Jorden, State Water Resources Control Board
RWQCB, Underground Storage Tank Program

CORRECTIVE ACTION MEASURES

TANK OWNER/OPERATOR RESPONSIBILITIES

Initial Corrective Action Measures

- Maintain the Unauthorized Release site in a manner that does not create public health, safety and environmental hazards.
- Remove as much of the hazardous substance from the underground tank system as is necessary to prevent further release to the environment.
- Investigate the Unauthorized Release and prevent further migration of the released substance into the environment.
- Remedy hazards posed by contaminated soils that are exposed or excavated as a result of release confirmation, site investigation, or abatement activities.
- Follow the corrective action procedures, guidelines, and engineering controls described in the County of San Diego Site Assessment and Mitigation Manual.

Notification and Reporting Responsibilities

- Notify the local Fire Department and SAM immediately whenever a fire hazard or explosion hazard is present.
- Submit an Underground Storage Tank Unauthorized Release Report (Form No. HSC-05) to SAM within five (5) working days.
- Comply with subsequent SAM orders for written reporting and corrective actions.

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
619-338-2222/FAX 619-338-2315/1-800-253-9933
www.sdcounty.ca.gov/deh/lwq

RICHARD HAAS
ASSISTANT DIRECTOR

October 12, 2005

Mr. Jim Hunter
Woodside (Silver Sage) Investors, LLC
1670 La Force Rd.
Alpine, CA 91909

Dear Mr. Hunter:

UNAUTHORIZED RELEASE H35322-002
SILVER SAGE PROPERTIES
11719 WOODSIDE AVE., LAKESIDE, CA 92040

I have reviewed the *Groundwater Investigation Report* submitted by ERM on September 8, 2005. The report requests closure based on the ND readings obtained from the single sampling event of the four monitoring wells on July 2005. Based on the need for seasonal fluctuations, another round of samples will be required six months from the date of the original samples (January 2006). ***If the January 2006 sample results are all non-detect, like the samples taken July 2005, site closure can be granted*** providing that the additional criteria are met:

- Discussion regarding all contamination sources that were observed at the site.
- A calculation of cubic yards of soil over 100 mg/kg TPH in the area of B3 (MW3).
- Field Monitoring Data sheets will need to be submitted for July 2005 sampling event and ultimately for the January 2006 event.

If you have any questions, please call me at (619) 338-2212.

Sincerely,

EWAN MOFFAT, Project Manager
Site Assessment and Mitigation Program

EM:kd

cc: Jay Dablow, ERM

WP/H35322-002-1005

MEETING SIGN-IN SHEET

DATE: 9/29/05 SUBJECT: Lakeside

NAME	AGENCY REPRESENTING	PHONE NUMBER
Ewan Moffat	DEH	338-2212
Suzanne Varco	Oppr & Varco LLP	231-5858
Jim Hunter	Woodside Ave Trustee	619 504-6200
BRAD TUCK		619-300-9444
Tony V. Sawyer	DEH / SAM	338-2289
- 2 more sampling event (~ Jan 2006) req'd.		
- Need to discuss Misc. Containers noted in photos.		
- ERM needs to discuss 350 gpm TPH & CB3.		
- Closure possible with all of the above taken cared of.		

MEETING SIGN-IN SHEET

DATE: 6/1/05 SUBJECT: Silver Surge H39322 ②

NAME	AGENCY REPRESENTING	PHONE NUMBER
Ewan Moffat	DEH	338-2212
Jay Deblow	ERM	714-430-1476
Suzanne Varco	Opper & Varco LLP	619-231-5858
Tony V. Sawyer	DEH-SAM	338-2289
Colin P. Young	ERM	619-574-0620
Need 4 MWs	Ground water data Recommended	

DHS:HM-9048 (1/90)

EM

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
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www.sdcounty.ca.gov/deh/lwq

RICHARD HAAS
ASSISTANT DIRECTOR

PAST DUE NOTICE

April 21, 2005

Mr. Jim Hunter
Woodside (Silver Sage) Investors, LLC
1670 La Force Rd.
Alpine, CA 91909

Dear Mr. Hunter:

UNAUTHORIZED RELEASE H35322-002
SILVER SAGE PROPERTIES
11719 WOODSIDE AVE., LAKESIDE, CA 92040

A review of the SAM files indicates that the site assessment investigation at this site is **PAST DUE**. As reflected by the file, it is apparent that the release of petroleum hydrocarbons has not been adequately investigated.

On December 2, 2004, you were mailed a Notice of Responsibility advising you to submit a Unauthorized Release Report (URF, Form No. HSC-05) before submitting a workplan for site assessment at this site. More than four (4) months have passed since that time and no URF or reports have yet been submitted to this office. You are currently in violation of State regulations that govern site assessment activities related to Underground Storage Tanks. The California Code of Regulations, Title 23, Division 3, Chapter 16, Section 2724 states that the responsible party shall conduct investigations of the unauthorized release at the release site with approval from DEH prior to each phase of the assessment and cleanup.

Please be advised that failure to perform the necessary work or performing work without DEH approval may result in loss of eligibility for reimbursement by the State Underground Storage Tank Cleanup Fund.

Please feel free to contact me at (619) 338-2212 if you have any questions. I will be happy to assist you in any way possible.

Sincerely,

David Fehl for EM

EWAN MOFFAT, Environmental Health Specialist
Site Assessment and Mitigation Program

EM:kd

CERTIFIED/RRR

WP\H35322-002-405PD

Moffat, Ewan

From: Jay.Dablow@erm.com
Sent: Thursday, March 09, 2006 8:31 AM
To: Moffat, Ewan
Cc: colin.young@erm.com
Subject: RE: Woodside update.

Ewan - In the vicinity of boring B-3 there was no visual evidence of staining or odors during the drilling. The sample collected at 5 feet bgs had a laboratory result of 310 mg/kg with a corresponding PID reading of 334 ppm. The soils between the 5 foot sample an the next sample at 10 feet bgs consisted of silt and silty sand that was dry, dense with no evidence of odor or staining. The PID reading at 10 feet was zero. These observations are consistent with Geocon's observations in backhoe trenches within the area where no TPH was detected in soils deeper than 2 feet bgs. Using a conservative assumption that the soil in the immediate vicinity of the boring from 2 feet bgs to 10 feet had similar concentrations to the sample at 5 feet, the amount of soil exceeding 100 mg/kg is less than 1 cu yd.

Jay Dablow
ERM
3 Hutton Centre, Suite 600
Santa Ana, CA 92707
(714) 430-1476 ext. 2024
(714) 606-9110 (cell)
(714) 436-2940 (fax)
jay.dablow@erm.com
www.erm.com

"Moffat, Ewan"
<Ewan.Moffat@sdcounty.ca.gov>

03/03/2006 05:52 PM

To: <Jay.Dablow@erm.com>
cc:
Subject: RE: Woodside update.

Jay,

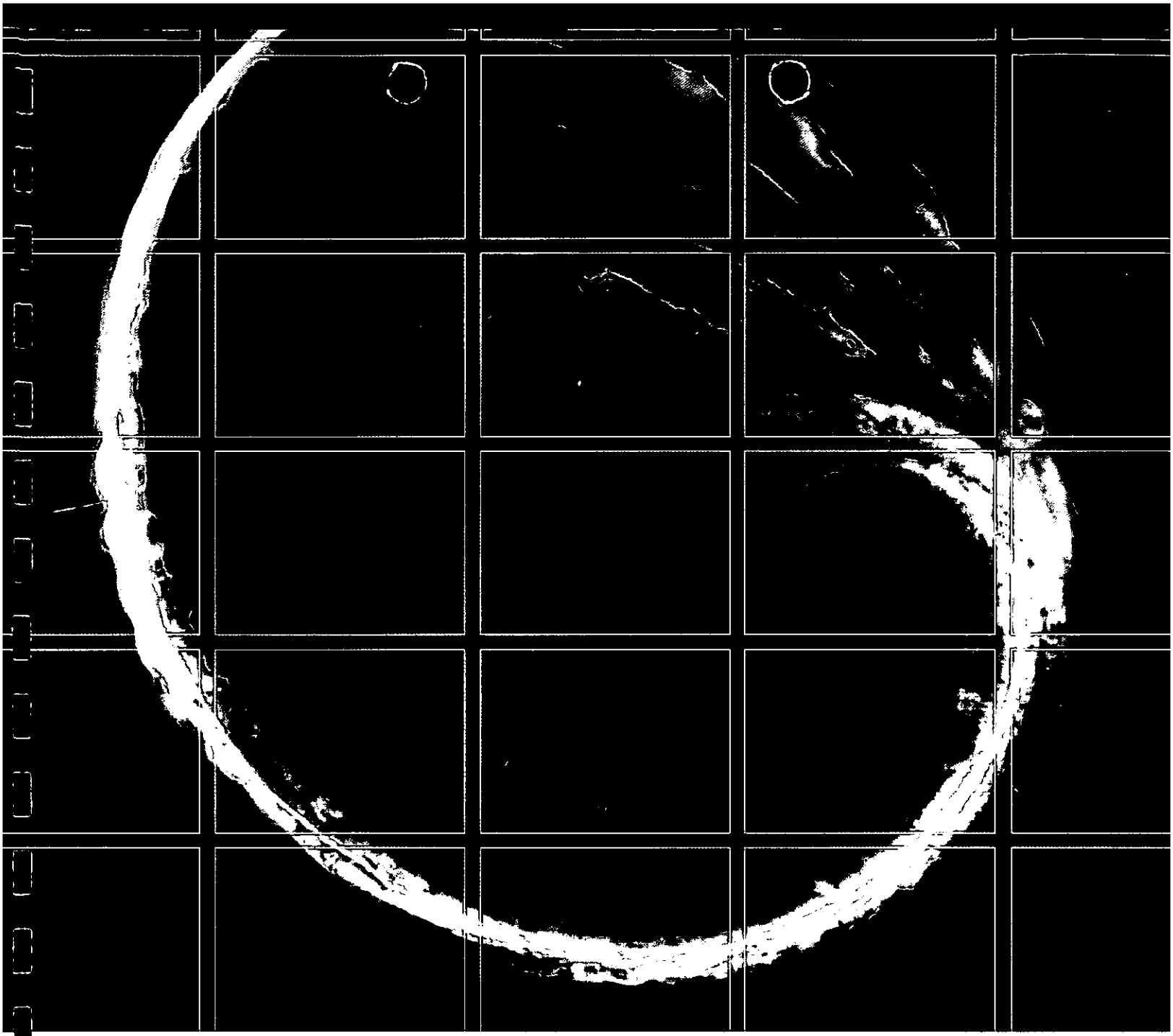
In reference to the LOP case. Did you ever calculate the soil > 100 ppm TPH left in place for that boring? If so let me know what it is; if you already submitted it just let me know where I could find it.

In addition, a permit to destroy the four MWs will be needed prior to LOP closure. The actual destruction need not take place until after the closure (in fact I recommend that); we will just need to have the permit application completed (Call Marisue 338-2339).

I got the Geotracker info for October; remember to have the later reports uploaded so that we can check off the Geotracker requirement for closure.

Ewan

-----Original Message-----
From: Jay.Dablow@erm.com [mailto:Jay.Dablow@erm.com]



Groundwater Investigation Report

Woodside Avenue Investors, LLC

August 2005

www.erm.com

Delivering sustainable solutions in a more competitive world

ERM

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HAILROCH

ERM's San Diego Office
2251 San Diego Avenue, Suite B208
San Diego, California 92110
www.erm.com

Woodside Avenue Investors, LLC

Groundwater Investigation Report

August 2005

11719-11749 Woodside Avenue,
Lakeside, San Diego County, California

Colin Young, CIH
Principal-in-Charge

John F. Dablow III, C.E.G.
Technical Director

Environmental Resources Management
2251 San Diego Avenue, Suite B208
San Diego, California 92110
(619) 574-0620

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1.0 *INTRODUCTION*

Woodside Avenue Investors, LLC and PDIT Investment, LLC (collectively, the "Client") retained ERM-West, Inc. (ERM) to conduct a groundwater investigation at 11719-11749 Woodside Avenue, Lakeside, San Diego County, California (the "Site") (see Figure 1). This investigation involved the installation, sampling and analysis of four groundwater monitoring wells to determine the groundwater conditions in the vicinity of an excavation resulting from removal of diesel-impacted soil associated with a former underground storage tank (UST) at the Site.

The Site consists of a rectangular parcel of land occupying approximately 4 acres in a mixed commercial and residential area. The Site is currently razed, but formerly contained a sheet-steel commercial building, five single-family residences, a concrete slab, and various asphalt-paved areas. The Client plans to develop the Site for residential purposes. The Site, identified by San Diego County Assessor's Parcel Number (APN) 382-220-01, is located on the southeastern corner of Woodside Avenue and Marilla Drive in the community of Lakeside, San Diego County, California (Figure 1).

1.1 *HYDROGEOLOGY*

There were no California Department of Water Resources (CDWR) wells located on the Site or its adjacent properties (CDWR, 2003). Based on general knowledge of the local hydrogeology in the area, groundwater beneath the Site was estimated to be between 25 and 35 feet bgs and is presumed to flow generally in a westerly direction, but may also have a component of flow in a northwesterly direction toward the San Diego River located 300 yards away. Groundwater depth and flow direction beneath the Site may vary due to the influence of pumping at nearby water supply wells.

ERM reviewed records for nearby properties maintained by the State Water Resources Control Board's online GeoTracker database to estimate groundwater depth and flow direction at the Site. A Texaco service station, approximately 0.55 miles east of the Site, located on the northwest corner of Woodside Avenue and Wintergardens Boulevard, was the closest property identified with groundwater monitoring wells. Groundwater occurs at the Texaco site at a depth ranging from 25 to 32 feet bgs and flows approximately north at a groundwater gradient of 0.0146 feet/foot.

2.0 *GOALS & OBJECTIVES*

The primary objectives of the groundwater investigation were to:

1. Determine the site specific groundwater conditions in the vicinity of the underground storage tank excavation, including:
   - Depth to the groundwater surface; and
   - Local groundwater gradient
2. Determine whether there were any impacts to the groundwater quality as the direct result of operation of the underground diesel fuel storage tank at the Site.

3.0 SCOPE OF WORK

The scope of work for the groundwater investigation is described below.

3.1 PRE-MOBILIZATION AND MOBILIZATION

Prior to initiating the site work, the following tasks were completed:

- Prepared a Health and Safety Plan (HASP) for field operations;
- Obtained well permits for each of the four groundwater monitoring wells;
- Conducted a utility survey of the area where groundwater monitoring wells were installed;
- Cleared and marked locations for groundwater well installation; and,
- Conducted a tailgate kick off meeting to familiarize all field personnel with the requirements of the HASP and the well installation and sampling procedures.

3.2 SOIL BORING AND SAMPLING

3.2.1 *Field Methods and Protocols*

The soil sampling work associated with the groundwater monitoring well installation was performed utilizing the methods and protocols described below.

3.2.1.1 *Subsurface Utility Clearance*

Prior to initiating soil-sampling activities, a subsurface utility clearance program was conducted. ERM reviewed utility maps to identify underground structures and lines within the area and contacted Underground Service Alert to locate underground utilities in the proposed drilling areas. The drilling area was marked on the ground surface with white paint and the area was surveyed with geophysical equipment. The report of the geophysical survey is included in Appendix C.

3.2.1.2 *Soil Sampling and Preservation*

A drill rig equipped with hollow-stem auger equipment was utilized to collect soil samples. Soil samples were collected at 5-foot intervals from each of the four borings. The samples were collected using a California-modified, split-barrel soil sampler inside the hollow-stem augers (lined with 6-inch brass tubes). The soil recovered at each sampling interval was visually examined and classified according to the Unified Soil Classification System. A borehole log was completed during sampling to record the vertical variations in lithology, relative moisture content, odor, color, and texture. The boring logs are presented in Appendix A.

A field photoionization detector (PID) was used to screen soil samples for potential volatile constituents. Soil samples were sealed with Teflon sheets, capped, and properly labeled (including the time, date, location, project number, sampler name, sample depth, and a unique sample identification number). The samples were placed in self-sealing plastic bags and temporarily stored on site in an ice-filled cooler at 4 degrees Celsius.

Chain-of-custody protocols (as outlined in Section 9.2.2.7, Chapter 9 of SW846 Update III) were followed for all soil and groundwater samples selected for laboratory analysis. The Chain-of-Custody Form accompanied the samples from the sampling locality to the laboratory, providing a continuous record of possession prior to analysis. Soil samples were sent to Calscience Environmental Laboratories, Inc., a California-certified laboratory. The samples were analyzed for TPH-diesel, TPH-gasoline, and MtBE using United States Environmental Protection Agency (USEPA) Methods 8015B and 8260B, respectively.

3.3 *GROUNDWATER MONITORING WELL INSTALLATION*

This task included the installation of four monitoring wells in each of the four soil borings. The location of the wells was determined using an inside - out strategy starting near the downgradient margin of the source zone (excavated diesel fuel tank). One well was located immediately downgradient of the tank excavation (north side). One well was located on a line of sight from the tank excavation to the Riverview Water District water supply wells. Two additional wells were installed downgradient of the excavation for purposes of defining the gradient at the site. The wells are shown on the Site Plan, Figure 2.

All downhole well materials were decontaminated before use. The four new groundwater wells were constructed of 4-inch diameter, Schedule 40 PVC casing with 0.020-inch machine-slotted screen and No. 3 sand filter pack. The wells were completed at grade, fitted with a locking cap and enclosed within a traffic-rated well vault with a bolted cover.

Dulin and Boynton, a licensed, State of California contractor surveyed each well for horizontal location (1.0 foot tolerance) and vertical elevations in feet above mean sea level (0.01 foot tolerance) control relative to State Plane Coordinate System. The results of the site survey are summarized in Table 1.

The new wells were developed by a combination of bailing, surging, and pumping to remove accumulated sediments. Water quality parameters including pH, temperature, conductivity, and turbidity, were monitored at regular intervals during development. Development was continued until stabilization of measured water parameters (values within 0.1 pH unit, 10 percent specific conductivity, and 1°Centigrade (C) between consecutive measurements) was achieved. The monitoring well conditions are detailed in Table 2.

3.4 *GROUNDWATER SAMPLING*

Data objectives, sampling procedures, and instrumentation used for monitoring groundwater conditions are described below.

3.4.1 *Groundwater Data Objectives*

A sampling program was conducted to collect and analyze groundwater samples from the groundwater monitoring wells. These samples were collected for laboratory analysis of contaminant concentrations.

3.4.2 *Groundwater Sampling Procedures*

Groundwater samples were collected from the groundwater monitoring wells to provide data that were representative of groundwater conditions in the vicinity of the excavation. Prior to groundwater sample collection, groundwater-monitoring wells were purged with a peristaltic pump. The tubing for the peristaltic pump consisted of Tygon.

Calibrated equipment including a pH/Eh/conductivity/turbidity meter/thermometer unit (Orion Model # 250A and Horiba Water Checker, Model # U-10) and a dissolved oxygen meter C/SI Model # 57DO were used to monitor groundwater parameters during the low flow purging

procedure until parameters had stabilized. Purged water was stored in drums on site. These drums were properly labeled with the drum contents, date, and appropriate hazard identification labels.

Water samples were collected from the sampling pump and placed in VOA vials, capped with Teflon™ septa lids and taken immediately to the on site mobile laboratory for testing using USEPA Method 8260B. The samples were labeled and chain-of-custody forms were completed as described above in Section 3.2.1.2. The mobile laboratory, certified by the State Department of Health Services, Environmental Laboratory Accreditation Program, was provided by H&P Mobile Geochemistry, to run the United States Environmental Protection Agency (USEPA) Method 8260B analyses on site. The USEPA Method 8015B for diesel was run in the H&P fixed laboratory. The samples collected for diesel analyses were placed on ice in an ice chest and transported to H&P, a State-certified analytical laboratory within 24 hours of collection under the chain of custody procedures discussed previously.

3.5 *MANAGEMENT OF WASTE STREAMS*

All investigation-derived waste materials were collected and stored on site in a designated location, in properly labeled drums or bulk containers, pending laboratory profiling and proper disposal.

4.0 *RESULTS*

4.1 Soil Sampling

During the installation of soil borings B-1 through B-4, PID readings of soil gas concentrations were collected as described in Section 3.2.1.2. Elevated PID readings (> 200 ppm) were encountered in B-3 at 5 feet bgs and in B-4 at 5 and 10 feet bgs. Additional soil samples were collected at these depths to evaluate the possible presence of impacted soils. Low concentrations of TPH as diesel (310 mg/kg and 10 mg/kg) were detected in B-3 at 5 feet bgs and B-4 at 10 feet bgs. These concentrations are at or slightly above the reporting limits. A single detection of the VOC ethanol was found in the sample from B-4 at 10 feet bgs. The concentration of 350 mg/kg is slightly elevated over the reporting limit of 250 mg/kg. All other soil samples were nondetectable for TPH as diesel, TPH as gasoline and VOCs including MTBE. The soil analytical testing results are summarized in Table 3. The details of the soil sampling laboratory analyses are presented in Appendix B. A QA/QC evaluation of the data indicated that no data required qualification or rejection. The details of the QA/QC evaluation are presented in Appendix C.

4.2 Groundwater Sampling

Following well development and purging, groundwater samples were collected from monitoring wells MW-1 through MW-4 in accordance with the procedures described in Section 3.4.2. No detectable concentrations of TPH as diesel, TPH as gasoline or VOCs including MTBE, were found in any of the samples or duplicates. The results of the groundwater sampling analyses are summarized in Table 4. The details of the laboratory testing are presented in Appendix B.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The results of the work conducted at the Site are summarized below.

- The analysis of soil samples collected from the groundwater monitoring well soil borings indicated that concentrations above the laboratory detection limits for gasoline and MTBE were not found.
- One volatile organic compound, ethanol, was detected in the shallow soil sample from B-4 at 10 feet at a concentration of 350 mg/kg.
- Two shallow soil samples from borings B-3 and B-4 had low concentrations, 310 mg/kg and 10 mg/kg, respectively of TPH as diesel.
- The groundwater gradient at the site is generally toward the north as shown on the Site Plan Map, Figure 2.
- The analysis of groundwater samples and duplicates collected from the groundwater monitoring wells indicated that concentrations above the laboratory detection limits for TPH diesel, TPH gasoline and VOCs, in particular MTBE were not found.
- Although low concentrations of TPH diesel were found in the shallow soils around the concrete slab associated with the former sheet steel commercial building, no impacts to groundwater were detected.
- No impacts from gasoline related compounds were found in the site groundwater.

Based on the absence of any groundwater impacts at the site, there appears to be no environmental concerns that pose a risk to groundwater, human health, or the environment at the site. Since the only potential source of groundwater impact, the UST impacted soils have been removed, ERM requests that DEH, as the local agency, issue a letter of closure with a recommendation for *No Further Action* related to the TPHd release to soil in the former UST area.

Figures

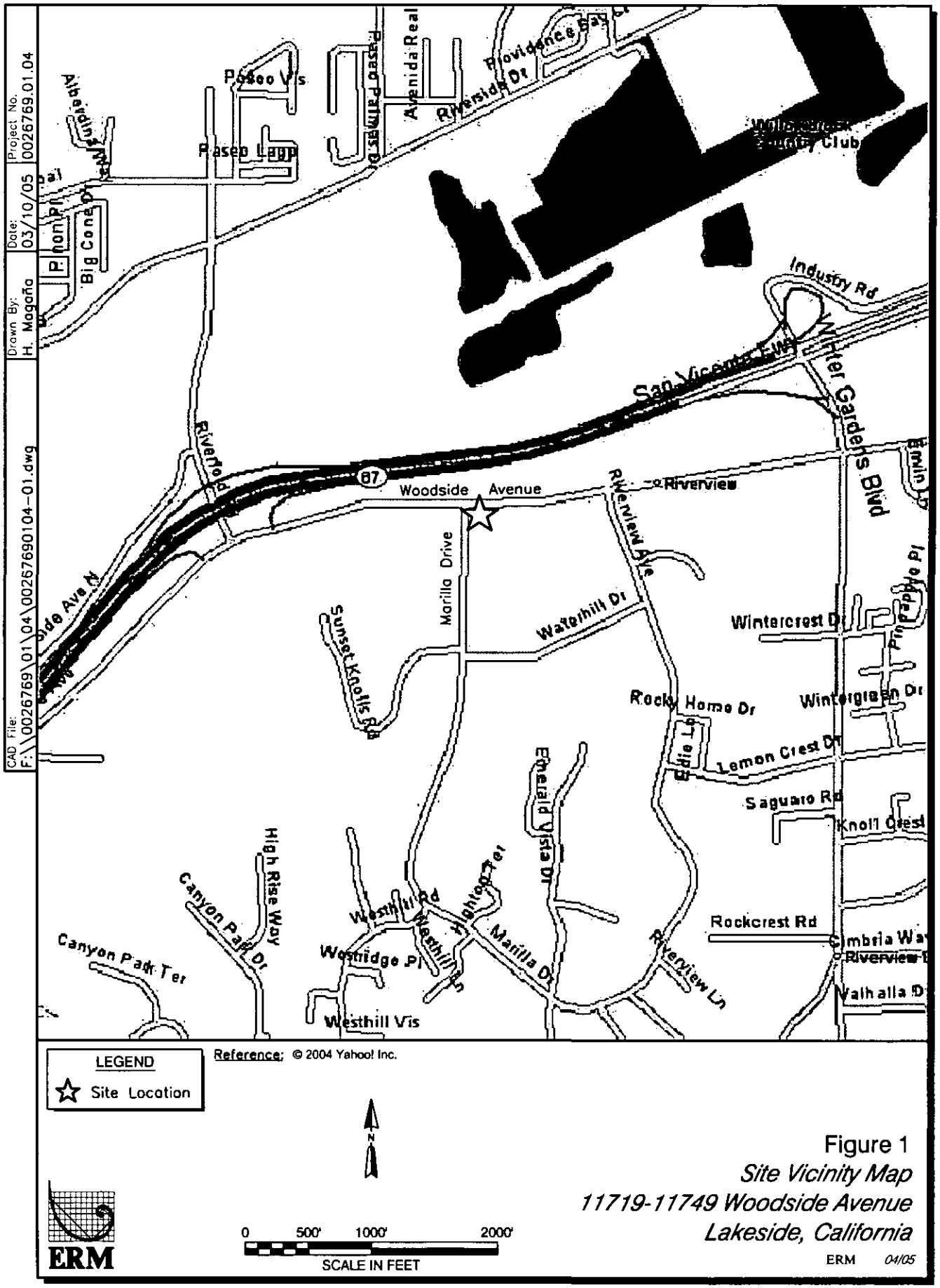


Figure 1
Site Vicinity Map
11719-11749 Woodside Avenue
Lakeside, California
ERM 04/05

Undeveloped

Woodside Avenue

Gate

Former Vacant Residences

Former Concrete Slab

MW-3 (361.7)

MW-1 (362.0)

MW-2 (362.1)

MW-4 (363.1)

Gate

Gravel Mound

Marilla Drive

N

LEGEND

MW-3 (363.1) Monitoring Well Showing Actual Location

Groundwater Flow Direction

Former Concrete Slab

Property Line

0 20' 40' 80'

SCALE IN FEET

ERM

CAD File: F:\0026769\02\04\00267690204-05.dwg

Drawn By: H. Magaña

Date: 08/19/05

Project No. 0026769.02.04

Residential Development

Figure 2

Site Plan Map

11719-11749 Woodside Avenue

Lakeside, California

ERM 08/05

Tables

Table 1 *Site Survey Results*
11719-11749 Woodside Avenue
Lakeside, California

WELL	ELEV	DESC	NORTH	EAST
MW-1	383.81	4" PVC (N)	1891275.0	6349673.5
MW-1	384.05	RIM		
MW-1	384.0	GROUND		
MW-2	384.57	4" PVC (N)	1891226.5	6349731.6
MW-2	384.94	RIM		
MW-2	384.8	GROUND		
MW-3	385.65	4" PVC (N)	1891302.1	6349772.5
MW-3	385.84	RIM		
MW-3	385.8	GROUND		
MW-4	385.17	4" PVC (N)	1891229.1	6349795.7
MW-4	385.46	RIM		
MW-4	385.3	GROUND		

Benchmark:

Vertical Datum NAVD88

San Diego County BM #151WCCS3 station is located in the Lakeside area. Set 3/4"x18" pipe with epoxy and 2" diameter disk stamped San Diego County surveyor 2002 151W CCS3 station is located in the center of ac street Paradise Park Drive w'ly of address #9107, 30' ne'ly of power pole P477145.

2002 Elev. = 653.08 Feet NAVD88

Horizontal Datum NAD83

NGS PID Stations AH7481 AND AJ1899 EPOCH Date 2000.35

Table 2 *Soil Sampling Analytical Results*
11719-11749 Woodside Avenue
Lakeside, California

Boring ID	Depth of Sample (feet bgs)	Collection Date	TPH as Diesel (8015B)	TPH as Gasoline (8015B)	Methyl-t-Butyl Ether (MTBE) (8260B)	Ethanol (8260B)
B-1	20	7/21/2005	ND	ND	ND	ND
B-1	25	7/21/2005	ND	ND	ND	ND
B-2	20	7/21/2005	ND	ND	ND	ND
B-2	25	7/21/2005	ND	ND	ND	ND
B-3	5	7/21/2005	310	ND	ND	ND
B-3	20	7/21/2005	ND	ND	ND	ND
B-3	25	7/21/2005	ND	ND	ND	ND
B-4	5	7/22/2005	ND	ND	ND	ND
B-4	10	7/22/2005	10	ND	ND	350
B-4	21	7/22/2005	ND	ND	ND	ND
B-4	24	7/22/2005	ND	ND	ND	ND

Notes:
amsl = above mean sea level
bgs = below ground surface
BTOC = Below Top of Casing

T69
2325
Gage Av.

Table 3 ***Monitoring Well Construction Details***
11719-11749 Woodside Avenue
Lakeside, California

Monitoring Well ID	Date Installation Completed	Approximate Date Development Completed	Monitoring Well/Borehole Diameter (inches)	Total Depth drilled (feet bgs)	Top of Casing Elevation (feet amsl)	Ground Level Elevation (feet amsl)	Screen Interval (feet bgs)	Blank Interval (feet bgs)	Filter Pack Placement Interval (feet bgs)	Filter Pack Seal Interval (feet bgs)
MW-1	7/21/2005	8/1/2005	4	40	383.81	384.0	25-35	0-25	24.5 - 35	21.5 - 24.5
MW-2	7/21/2005	8/1/2005	4	35	384.57	384.8	25-35	0-25	24.5 - 35	21.5 - 24.5
MW-3	7/21/2005	8/1/2005	4	35	385.65	385.8	25-35	0-25	24.5 - 35	21.5 - 24.5
MW-4	7/22/2005	8/1/2005	4	35	385.17	385.3	25-35	0-25	24.5 - 35	21.5 - 24.5

Notes:
amsl = above mean sea level
bgs = below ground surface
BTOC = Below Top of Casing

Table 4 *Groundwater Monitoring Results*
11719-11749 Woodside Avenue
Lakeside, California

Monitoring Well ID	Date Installation Completed	TPH as Diesel (8015B)	TPH as Gasoline (8015B)	Methyl-t-Butyl Ether (MTBE) (8260B)
MW-1	8/10/2005	ND	ND	ND
MW-2	8/10/2005	ND	ND	ND
MW-3	8/10/2005	ND	ND	ND
MW-4	8/10/2005	ND	ND	ND
MW-4 Dup	8/10/2005	ND	ND	ND

Appendix A

Boring Logs

Drawn By: H. Magoña

CAD File: F:\0026769\02\04\0026769204-01.dwg

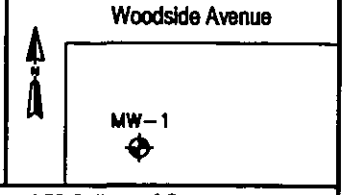
Environmental Resources Management
3 Hutton Centre, Suite 600
Santa Ana, CA 92707
714-430-1476 fax: 714-436-2940

Log of Borehole B-1

Project Name:	
Project Number: 0026769.02.04	
Location: Lakeside, California	
Date Started: 7/21/05	Date Borehole Completed: 7/21/05
Logged by: Lucas, RG	
Borehole Diam.: 10 in.	Date Well Completed: 7/21/05
Reviewed by: Jay Dablow	
Drilling Company: WDC	
Driller (Crew): Poul, Ed, and Juan	
Drilling Method/Equipment: Hollow Stem / CME 85	
Disposition of Soil Cuttings: 55-Gallon Drums	
Sampling Method: CA Mod. Split Spoon	
Hammer Weight: 140 lbs	Drop Height: 30 inch
Ground Elevation:	TOC Elevation:
Easting:	Northing:
Borehole Total Depth: 39 feet	Well Total Depth: 35 feet
DTW (initial): 29 feet	DTW (static): 23.29 feet

Well ID: MW-1
Well Diameter: 4 inch
Casing Mtrl: PVC, Sch 40
Screen Type: 0.020 inch
Filter Pack Size: No. 3 Sand
Vault Type:
Lock No.:

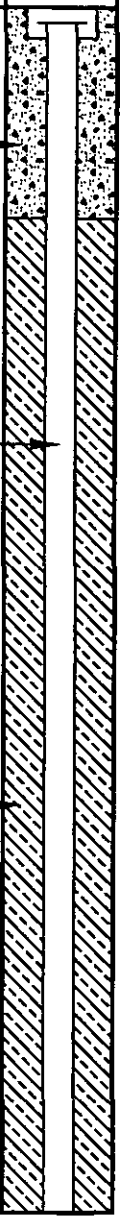
Sketch Map:



Notes: 10 Bags of #3, 2 Bags of Bentonite, and 50 Gallons of Grout

Depth (feet)	Samples: Time	Samples: Blow Counts	Samples: Sample Interval	Samples: Sample ID	OVA Reading (ppm) [PID]	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]
10	0940	16 20 30	■		115	ML	SANDY silt, dark brown, moist, hard fine to medium grain, trace of fine gravel, no odor, no staining.
15	0950	17 25 40	■		22.1	ML	CLAY silt, dark brown/light brown, moist, hard, medium grained, trace of fine gravel, no odor, no staining, mocacious.
20	0955						

Graphic Log / Well Construction Details



Drawn By: H. Magaña

CAD File: F:\0026769\02\04\00267690204-01.dwg

Environmental Resources M[redacted]ement
3 Hutton Centre, Suite 600
Santa Ana, CA 92707
ERM 714-430-1476 fax: 714-436-2940

Log of Boreho[redacted]B-1 (cont'd)

Project Name:

Project Number: 0026769.02.04

Location: Lakeside, California

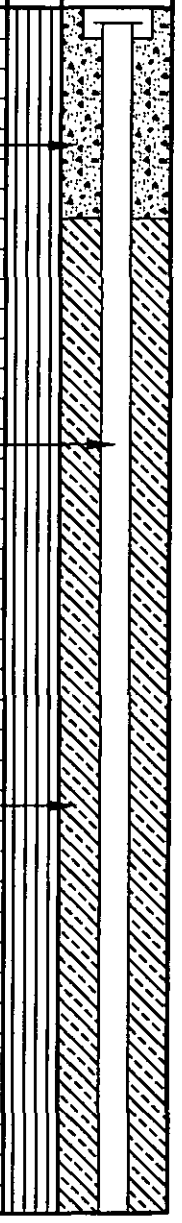
Depth (feet)	Samples: Time	Samples: Blow Counts	Samples: Sample Interval	Samples: Sample ID	OVA Reading (ppm) [PID]	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]	Graphic Log / Well Construction Details
		20	■		10.4		SILTY sand, dark brown, moist, hard, medium grained, trace clay, no plasticity,	Bentonite grout
21		21	■				trace of fine gravel, no odor, no staining, poorly graded.	
		24	■					
22								4" SC 40 PVC Blank
23								Bentonite chips
24								
25	1003				6.1			
		20	■				SILTY sand, brown, moist, hard, medium grained, trace clay, no odor, no staining,	
26		30	■				poorly graded.	
		35	■					
27								
28								4" SC 40 PVC 0.020" screen
29								
30	1009							
		13	■				SILTY SAND, brown, saturated, hard, fine to medium grained, trace clay, no odor,	
31		23	■				no staining, poorly graded.	
		38	■					
32								
33								No. 3 Sand
34								
35								
36								
37								
38								
39							Total depth of borehole = 39 feet.	
40								
41								
42								
43								
44								
45								
46								
47								

Drawn By: H. Magaño

CAD File: F:\0026769\02\04\00267690204-02.dwg

Environmental Resources Management 3 Hutton Centre, Suite 600 Santa Ana, CA 92707 714-430-1476 fax: 714-436-2940	**Log of Borehole MW-2**
	Project Name:
	Project Number: 0026769.02.04
	Location: Lakeside, California
Date Started: 7/21/05 / Date Borehole Completed: 7/21/05	Logged by: Lucas, RG
Borehole Diam.: 10 in. / Date Well Completed:	Reviewed by: Jay Dablow
Drilling Company: WDC	Well ID: MW-2 / Sketch Map:
Driller (Crew): Poul, Ed, and Juan	Well Diameter: 4 inch
Drilling Method/Equipment: Hollow Stem / CME 85	Casing Mtrl: PVC, Sch 40
Disposition of Soil Cuttings: 55-Gallon Drums	Screen Type: 0.020 inch
Sampling Method: CA Mod. Split Spoon	Filter Pack Size: No. 3 Sand
Hammer Weight: 140 lbs / Drop Height: 30 inch	Vault Type:
Ground Elevation: / TOC Elevation:	Lock No.:
Easting: / Northing:	Notes:
Borehole Total Depth: 35 feet / Well Total Depth: 35 feet	
DTW (initial): 29 feet / DTW (static): 22.57 feet	

Depth (feet)	Samples: Time	Samples: Blow Counts	Samples: Sample Interval	Samples: Sample ID	OVA Reading (ppm) [PID]	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]	Graphic Log	Well Construction Details
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20	1325				23.8	ML	SILT with sand, brown, fine grained, hard, moist, no odor, no staining, mocacious.		



Drawn By: H. Magaña

CAD File: F:\0026769\02\04\00267690204--02.dwg

Environmental Resources Management
3 Hutton Centre, Suite 600
Santa Ana, CA 92707
714-430-1476 fax: 714-436-2940

ERM

Log of Borehole B-2 (cont'd)

Project Name:

Project Number: 0026769.02.04

Location: Lakeside, California

Depth (feet)	Samples: Time	Samples: Blow Counts	Samples: Sample Interval	Samples: Sample ID	OVA Reading (ppm) [PID]	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]	Graphic Log	Well Construction Details
		7		XX					
21		14							
		21							
22									
23									
24									
25	1340	19			0.0	ML	SILT with sand, dark brown, (red brown?), dry, moist, hard, no odor, no staining,		
26		17					mocacious trace of clay, no plasticity.		
		36							
27									
28									
29	1352	13							
30		19							
		30							
31									
32									
33									
34									
35							Total depth of borehole = 35 feet.		
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									

Graphic Log / Well Construction Details:

- Bentonite grout
- 4" SC 40 PVC Blank
- Bentonite chips
- 4" SC 40 PVC 0.020" screen
- No. 3 Sand

Drawn By: H. Magaña

CAD File: F:\0026769\02\04\0026769204-03.dwg

Environmental Resources Management
3 Hutton Centre, Suite 600
Santa Ana, CA 92707
714-430-1476 fax: 714-436-2940

Log of Borehole B-3

Project Name:	
Project Number: 0026769.02.04	
Location: Lakeside, California	
Date Started: 7/21/05	Date Borehole Completed: 7/21/05
Logged by: Lucas, RG	
Borehole Diam.: 10 inch	Date Well Completed: 7/21/05
Reviewed by: Jay Dablow	
Drilling Company: WDC	
Driller (Crew): Poul, Ed, and Juan	
Drilling Method/Equipment: Hollow Stem / CME 85	
Disposition of Soil Cuttings: 55-Gallon Drums	
Sampling Method: CA Mod. Split Spoon	
Hammer Weight: 140 lbs	Drop Height: 30 inch
Ground Elevation:	TOC Elevation:
Easting:	Northing:
Borehole Total Depth: 36.5 feet	Well Total Depth: 35 feet
DTW (initial): 29.5 feet	DTW (static): 25.57 feet

Well ID:
Well Diameter:
Casing Mtrl:
Screen Type:
Filter Pack Size:
Vault Type:
Lock No.:

Sketch Map:

Notes:

Depth (feet)	Samples: Time	Samples: Blow Counts	Samples: Sample Interval	Samples: Sample ID	OVA Reading (ppm) [PID]	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]	Graphic Log	Well Construction Details
1									
2									
3									
4									
5	1555	18	■		334	ML	SILT with gravel, light brown, red, fine to coarse grained, hard, dry, no odor,		
6		26	■				no staining, slightly mocacious.		
		29	■						
7									
8									
9									
10	1600	20	■		0.0	SM	SILTY sand, fine grained, light brown, red, very sence, dry, no odor, no staining,		
11		28	■				trace fine gravel.		
		40	■						
12									
13									
14									
15	1607	16	■		12.1	ML	SILT with sand, fine grained, dark brown, hard, moist, no odor, no staining.		
16		23	■						
		33	■						
17									
18									
19									
20									

Drawn By: H. Magaña

CAD File: F:\0026769\02\04\00267690204-03.dwg

ERM

Environmental Resources Management
3 Hutton Centre, Suite 600
Santa Ana, CA 92707
714-430-1476 fax: 714-436-2940

Log of Borehole B-3 (cont'd)

Project Name:

Project Number: 0026769.02.04

Location: Lakeside, California

Depth (feet)	Samples: Time	Samples: Blow Counts	Samples: Sample Interval	Samples: Sample ID	OVA Reading (ppm) [PID]	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]	Graphic Log	Well Construction Details
	1612	22	■		12.9	ML	SILT with sand, fine grained, brown, moist, hard, no odor, no staining,		
21		24	■				slight mocacious.		
		26	■						
22									
23									
24									
25	1620	19	■		0.0	ML	SILT with sand, fine to medium grained, dark brown, hard, no odor, no staining,		
		29	■				slight mocacious.		
26		43	■						
27									
28									
29									
30	1626	13	■		12.1	ML	SILT with sand, fine to medium grained, dark brown, wet, hard, no odor,		
		17	■				no staining.		
31		30	■						
32									
33									
34									
35	1635	10	■				SILT with sand, fine to medium grained, dark brown, dry, wet, hard, no odor,		
		20	■				no staining.		
36		23	■						
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									

Drawn By: H. Magaña

CAD File: F:\0026769\02\04\00267690204-04.dwg

Environmental Resources Ma[illegible]ement 3 Hutton Centre, Suite 600 Santa Ana, CA 92707 714-430-1476 fax: 714-436-2940	**Log of Borehol[illegible]-4**
	Project Name:
	Project Number: 0026769.02.04
	Location: Lakeside, California
Date Started: 7/22/05 / Date Borehole Completed: 7/22/05	Logged by: Lucas, RG
Borehole Diam.: 10 inch / Date Well Completed: 7/22/05	Reviewed by: Jay Dablow
Drilling Company: WDC	Well ID: / Sketch Map:
Driller (Crew): Poul, Ed, and Juan	Well Diameter:
Drilling Method/Equipment: Hollow Stem / CME 85	Casing Mtrl:
Disposition of Soil Cuttings: 55-Gallon Drums	Screen Type:
Sampling Method: CA Mod. Split Spoon	Filter Pack Size:
Hammer Weight: 140 lbs / Drop Height: 30 inch	Vault Type:
Ground Elevation: / TOC Elevation:	Lock No.:
Easting: / Northing:	Notes:
Borehole Total Depth: 33 feet / Well Total Depth: 33 feet	
DTW (initial): 27 feet / DTW (static): 23.40 feet	

Depth (feet)	Samples: Time	Samples: Blow Counts	Samples: Sample Interval	Samples: Sample ID	OVA Reading (ppm) [PID]	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]	Graphic Log	Well Construction Details
0									
1									
2									
3									
4									
5	0805	17			3807	ML	SILT with trace of fine to medium sand, light brown, dry, hard, no odor,		
		20					no staining, with som roots.		
6		28							
7									
8									
9									
10	0815	18			2089	ML	SILT with fine grained sand, light brown/brown, dry, hard, no odor, no staining,		
		28					with roots and other organic matters.		
11		26							
12									
13	0845	12							
		24							
14		30							
15					19.7				
						ML	SILT with trace of sand, fine grained, brown, moist, hard, no odor, no staining,		
16							light mocacious, with some organic matters/roots.		
17									
18	0850								
19									
20									

Drawn By: H. Magaña

CAD File: F:\0026769\02\04\00267690204-04.dwg

Environmental Resources Management
3 Hutton Centre, Suite 600
Santa Ana, CA 92707
714-430-1476 fax: 714-436-2940

Log of Borehole [redacted]-4 (cont'd)

Project Name:

Project Number: 0026769.02.04

Location: Lakeside, California

Depth (feet)	Samples: Time	Samples: Blow Counts	Samples: Sample Interval	Samples: Sample ID	OVA Reading (ppm) [PID]	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]	Graphic Log	Well Construction Details
21	0900	15	■		33.5	ML	SILT with trace of sand, fine grained, grown, moist, hard, no odor, no staining,		
		21	■				trace of organic matter/roots.		
22		32	■						
23									
24	0930				12.1	ML	SILT with trace of fine sand, dark brown/gray, moist, hard, no odor, no staining,		
25			■				trace of organic matter/roots.		
26									
27									
28	0920		■						
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									

Appendix B

Laboratory Reports, QA/QC Report, and Chain Of Custody Forms

Calscience
Environmental
Laboratories, Inc.

August 01, 2005

Jay Dablow
ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Subject: **Calscience Work Order No.:** **05-07-1317**
Client Reference: **Lakeside / 0026769**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 7/22/2005 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Virendra Patel
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST		Date Received:	07/22/05
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 3550B
		Method:	DHS LUFT

Project: Lakeside / 0026769

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-1-20	**05-07-1317-3**	**07/21/05**	**Solid**	**07/25/05**	**07/25/05**	**050725B05**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	106	62-152			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-1-25	**05-07-1317-4**	**07/21/05**	**Solid**	**07/25/05**	**07/25/05**	**050725B05**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	106	62-152			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-2-20	**05-07-1317-6**	**07/21/05**	**Solid**	**07/25/05**	**07/25/05**	**050725B05**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	104	62-152			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-2-25	**05-07-1317-7**	**07/21/05**	**Solid**	**07/25/05**	**07/25/05**	**050725B05**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	103	62-152			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 07/22/05
Work Order No: 05-07-1317
Preparation: EPA 3550B
Method: DHS LUFT

Project: Lakeside / 0026769

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-3-5	05-07-1317-9	07/21/05	Solid	07/25/05	07/26/05	050725B05

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	310	10	2		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	113	62-152			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-3-20	05-07-1317-12	07/21/05	Solid	07/25/05	07/25/05	050725B05

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	97	62-152			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-3-25	05-07-1317-13	07/21/05	Solid	07/25/05	07/25/05	050725B05

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	102	62-152			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-4-5	05-07-1317-16	07/22/05	Solid	07/25/05	07/26/05	050725B05

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	101	62-152			

RL - Reporting Limit, DF - Dilution Factor, Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 07/22/05
Work Order No: 05-07-1317
Preparation: EPA 3550B
Method: DHS LUFT

Project: Lakeside / 0026769

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-4-10	**05-07-1317-17**	**07/22/05**	**Solid**	**07/25/05**	**07/26/05**	**050725B05**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	10	5	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	107	62-152	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-4-21	**05-07-1317-20**	**07/22/05**	**Solid**	**07/25/05**	**07/26/05**	**050725B05**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	104	62-152	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-4-24	**05-07-1317-21**	**07/22/05**	**Solid**	**07/25/05**	**07/26/05**	**050725B05**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	101	62-152	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**098-03-002-4,679**	**N/A**	**Solid**	**07/25/05**	**07/25/05**	**050725B05**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	99	62-152	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST		Date Received:	07/22/05
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	DHS LUFT

Project: Lakeside / 0026769

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-1-20	**05-07-1317-3**	**07/21/05**	**Solid**	**07/25/05**	**07/26/05**	**050725B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	84	39-129			

B-1-25	**05-07-1317-4**	**07/21/05**	**Solid**	**07/26/05**	**07/27/05**	**050726B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	85	39-129			

B-2-20	**05-07-1317-6**	**07/21/05**	**Solid**	**07/26/05**	**07/27/05**	**050726B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	89	39-129			

B-2-25	**05-07-1317-7**	**07/21/05**	**Solid**	**07/26/05**	**07/27/05**	**050726B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	89	39-129			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST		Date Received:	07/22/05
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	DHS LUFT

Project: Lakeside / 0026769

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-3-5	**05-07-1317-9**	**07/21/05**	**Solid**	**07/26/05**	**07/27/05**	**050726B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	86	39-129	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-3-20	**05-07-1317-12**	**07/21/05**	**Solid**	**07/26/05**	**07/27/05**	**050726B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	88	39-129	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-3-25	**05-07-1317-13**	**07/21/05**	**Solid**	**07/26/05**	**07/27/05**	**050726B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	88	39-129	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-4-5	**05-07-1317-16**	**07/22/05**	**Solid**	**07/26/05**	**07/27/05**	**050726B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	83	39-129	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST	Date Received:	07/22/05
3 Hutton Centre Dr., Suite 600	Work Order No:	05-07-1317
Santa Ana, CA 92707-8751	Preparation:	EPA 5030B
	Method:	DHS LUFT

Project: Lakeside / 0026769

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-4-10	**05-07-1317-17**	**07/22/05**	**Solid**	**07/26/05**	**07/27/05**	**050726B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	89	39-129			

B-4-21	**05-07-1317-20**	**07/22/05**	**Solid**	**07/26/05**	**07/27/05**	**050726B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	90	39-129			

B-4-24	**05-07-1317-21**	**07/22/05**	**Solid**	**07/26/05**	**07/27/05**	**050726B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	76	39-129			

Method Blank	**098-03-008-5,690**	**N/A**	**Solid**	**07/25/05**	**07/26/05**	**050725B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	89	39-129			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST		Date Received:	07/22/05
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	DHS LUFT

Project: Lakeside / 0026769

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**098-03-008-5,692**	**N/A**	**Solid**	**07/26/05**	**07/26/05**	**050726B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	83	39-129	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST	Date Received:	07/22/05
3 Hutton Centre Dr., Suite 600	Work Order No:	05-07-1317
Santa Ana, CA 92707-8751	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/kg

Project: Lakeside / 0026769

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-1-20	05-07-1317-3	07/21/05	Solid	07/26/05	07/26/05	050726L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		p/m-Xylene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		o-Xylene	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
t-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
2,2-Dichloropropane	ND	5.0	1		Ethanol	ND	250	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	73-139		1,2-Dichloroethane-d4	101	73-145	
Toluene-d8	100	90-108		1,4-Bromofluorobenzene	96	71-113	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST		Date Received:	07/22/05
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg

Project: Lakeside / 0026769

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-1-25	05-07-1317-4	07/21/05	Solid	07/26/05	07/26/05	050726L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		p/m-Xylene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		o-Xylene	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
t-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
2,2-Dichloropropane	ND	5.0	1		Ethanol	ND	250	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	73-139		1,2-Dichloroethane-d4	100	73-145	
Toluene-d8	100	90-108		1,4-Bromofluorobenzene	97	71-113	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST		Date Received:	07/22/05
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: Lakeside / 0026769			Page 3 of 13

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-2-20	05-07-1317-6	07/21/05	Solid	07/26/05	07/26/05	050726L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		p/m-Xylene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		o-Xylene	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
t-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
2,2-Dichloropropane	ND	5.0	1		Ethanol	ND	250	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	73-139		1,2-Dichloroethane-d4	101	73-145	
Toluene-d8	99	90-108		1,4-Bromofluorobenzene	93	71-113	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST		Date Received:	07/22/05
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: Lakeside / 0026769			Page 4 of 13

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-2-25	05-07-1317-7	07/21/05	Solid	07/26/05	07/26/05	050726L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		p/m-Xylene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		o-Xylene	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
t-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
2,2-Dichloropropane	ND	5.0	1		Ethanol	ND	250	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	73-139		1,2-Dichloroethane-d4	98	73-145	
Toluene-d8	100	90-108		1,4-Bromofluorobenzene	96	71-113	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST		Date Received:	07/22/05
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: Lakeside / 0026769			Page 5 of 13

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-3-5	05-07-1317-9	07/21/05	Solid	07/26/05	07/26/05	050726L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		p/m-Xylene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		o-Xylene	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
t-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
2,2-Dichloropropane	ND	5.0	1		Ethanol	ND	250	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	73-139		1,2-Dichloroethane-d4	100	73-145	
Toluene-d8	98	90-108		1,4-Bromofluorobenzene	94	71-113	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST		Date Received:	07/22/05
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg

Project: Lakeside / 0026769 — Page 6 of 13

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-3-20	05-07-1317-12	07/21/05	Solid	07/27/05	07/27/05	050727L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		p/m-Xylene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		o-Xylene	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
t-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
2,2-Dichloropropane	ND	5.0	1		Ethanol	ND	250	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	73-139		1,2-Dichloroethane-d4	104	73-145	
Toluene-d8	100	90-108		1,4-Bromofluorobenzene	95	71-113	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST	Date Received:	07/22/05
3 Hutton Centre Dr., Suite 600	Work Order No:	05-07-1317
Santa Ana, CA 92707-8751	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/kg

Project: Lakeside / 0026769

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-3-25	05-07-1317-13	07/21/05	Solid	07/27/05	07/27/05	050727L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		p/m-Xylene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		o-Xylene	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
t-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
2,2-Dichloropropane	ND	5.0	1		Ethanol	ND	250	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	73-139		1,2-Dichloroethane-d4	103	73-145	
Toluene-d8	98	90-108		1,4-Bromofluorobenzene	95	71-113	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST		Date Received:	07/22/05
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: Lakeside / 0026769			Page 8 of 13

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-4-5	05-07-1317-16	07/22/05	Solid	07/27/05	07/27/05	050727L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		p/m-Xylene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		o-Xylene	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
t-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
2,2-Dichloropropane	ND	5.0	1		Ethanol	ND	250	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	73-139		1,2-Dichloroethane-d4	105	73-145	
Toluene-d8	100	90-108		1,4-Bromofluorobenzene	94	71-113	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST		Date Received:	07/22/05
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: Lakeside / 0026769			Page 9 of 13

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-4-10	05-07-1317-17	07/22/05	Solid	07/27/05	07/27/05	050727L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		p/m-Xylene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		o-Xylene	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
t-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
2,2-Dichloropropane	ND	5.0	1		Ethanol	350	250	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	107	73-139		1,2-Dichloroethane-d4	105	73-145	
Toluene-d8	101	90-108		1,4-Bromofluorobenzene	94	71-113	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST	Date Received:	07/22/05
3 Hutton Centre Dr., Suite 600	Work Order No:	05-07-1317
Santa Ana, CA 92707-8751	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/kg

Project: Lakeside / 0026769 — Page 10 of 13

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-4-21	05-07-1317-20	07/22/05	Solid	07/27/05	07/27/05	050727L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		p/m-Xylene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		o-Xylene	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
t-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
2,2-Dichloropropane	ND	5.0	1		Ethanol	ND	250	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	73-139		1,2-Dichloroethane-d4	107	73-145	
Toluene-d8	100	90-108		1,4-Bromofluorobenzene	95	71-113	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST		Date Received:	07/22/05
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: Lakeside / 0026769			Page 11 of 13

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B-4-24	05-07-1317-21	07/22/05	Solid	07/27/05	07/27/05	050727L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		p/m-Xylene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		o-Xylene	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
t-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
2,2-Dichloropropane	ND	5.0	1		Ethanol	ND	250	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	73-139		1,2-Dichloroethane-d4	103	73-145	
Toluene-d8	99	90-108		1,4-Bromofluorobenzene	94	71-113	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST		Date Received:	07/22/05
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: Lakeside / 0026769			Page 12 of 13

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-005-10,877**	**N/A**	**Solid**	**07/26/05**	**07/26/05**	**050726L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		p/m-Xylene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		o-Xylene	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
t-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
2,2-Dichloropropane	ND	5.0	1		Ethanol	ND	250	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	73-139		1,2-Dichloroethane-d4	98	73-145	
Toluene-d8	99	90-108		1,4-Bromofluorobenzene	96	71-113	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST		Date Received:	07/22/05
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: Lakeside / 0026769			Page 13 of 13

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-005-10,881**	**N/A**	**Solid**	**07/27/05**	**07/27/05**	**050727L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	5.0	1	
Benzene	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromobenzene	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		2-Hexanone	ND	50	1	
Bromodichloromethane	ND	5.0	1		Isopropylbenzene	ND	5.0	1	
Bromoform	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
Bromomethane	ND	25	1		Methylene Chloride	ND	50	1	
2-Butanone	ND	50	1		4-Methyl-2-Pentanone	ND	50	1	
n-Butylbenzene	ND	5.0	1		Naphthalene	ND	50	1	
sec-Butylbenzene	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
tert-Butylbenzene	ND	5.0	1		Styrene	ND	5.0	1	
Carbon Disulfide	ND	50	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Carbon Tetrachloride	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Tetrachloroethene	ND	5.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	5.0	1	
Chloroform	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Chloromethane	ND	25	1		1,2,4-Trichlorobenzene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		1,1,1-Trichloroethane	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromochloromethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		Trichloroethene	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,3-Dichlorobenzene	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		Vinyl Acetate	ND	50	1	
Dichlorodifluoromethane	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
1,1-Dichloroethane	ND	5.0	1		p/m-Xylene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		o-Xylene	ND	5.0	1	
1,1-Dichloroethene	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
t-1,2-Dichloroethene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
1,2-Dichloropropane	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
1,3-Dichloropropane	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
2,2-Dichloropropane	ND	5.0	1		Ethanol	ND	250	1	
1,1-Dichloropropene	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	73-139		1,2-Dichloroethane-d4	103	73-145	
Toluene-d8	99	90-108		1,4-Bromofluorobenzene	95	71-113	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 07/22/05
Work Order No: 05-07-1317
Preparation: EPA 3550B
Method: DHS LUFT

Project Lakeside / 0026769

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-2-20	Solid	GC 2	07/25/05	07/25/05	050725S05

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	124	111	71-125	12	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ERM-WEST		Date Received:	07/22/05
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	DHS LUFT

Project Lakeside / 0026769

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
05-07-1322-1	Solid	GC 1	07/25/05	07/26/05	050725S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	70	80	66-108	12	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ERM-WEST		Date Received:	07/22/05
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	DHS LUFT

Project Lakeside / 0026769

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
05-07-1435-1	**Solid**	**GC 1**	**07/26/05**	**07/26/05**	**050726S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	84	83	66-108	2	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ERM-WEST		Date Received:	07/22/05
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project Lakeside / 0026769

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
05-07-1359-22	**Solid**	**GC/MS EE**	**07/26/05**	**07/26/05**	**050726S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	102	79-115	0	0-13	
Carbon Tetrachloride	77	78	55-139	1	0-15	
Chlorobenzene	100	101	79-115	1	0-17	
1,2-Dichlorobenzene	100	101	63-123	1	0-23	
1,1-Dichloroethene	104	103	69-123	1	0-16	
Toluene	102	101	79-115	1	0-15	
Trichloroethene	102	101	66-144	1	0-14	
Vinyl Chloride	106	105	60-126	1	0-14	
Methyl-t-Butyl Ether (MTBE)	89	88	68-128	1	0-14	
Tert-Butyl Alcohol (TBA)	63	65	44-134	3	0-37	
Diisopropyl Ether (DIPE)	93	92	75-123	1	0-12	
Ethyl-t-Butyl Ether (ETBE)	88	87	75-117	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	89	88	79-115	1	0-12	
Ethanol	86	90	42-138	5	0-28	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 07/22/05
Work Order No: 05-07-1317
Preparation: EPA 5030B
Method: EPA 8260B

Project Lakeside / 0026769

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-3-25	**Solid**	**GC/MS EE**	**07/27/05**	**07/27/05**	**050727S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	106	104	79-115	2	0-13	
Carbon Tetrachloride	83	82	55-139	1	0-15	
Chlorobenzene	106	103	79-115	3	0-17	
1,2-Dichlorobenzene	105	102	63-123	3	0-23	
1,1-Dichloroethene	112	109	69-123	3	0-16	
Toluene	105	102	79-115	3	0-15	
Trichloroethene	107	104	66-144	3	0-14	
Vinyl Chloride	113	111	60-126	1	0-14	
Methyl-t-Butyl Ether (MTBE)	92	92	68-128	1	0-14	
Tert-Butyl Alcohol (TBA)	62	63	44-134	2	0-37	
Diisopropyl Ether (DIPE)	99	97	75-123	2	0-12	
Ethyl-t-Butyl Ether (ETBE)	90	91	75-117	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	89	89	79-115	1	0-12	
Ethanol	81	81	42-138	1	0-28	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ERM-WEST		Date Received:	N/A
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 3550B
		Method:	DHS LUFT

Project: Lakeside / 0026769

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
098-03-002-4,679	Solid	GC 2	07/25/05	07/25/05	050725B05

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	118	119	71-119	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ERM-WEST		Date Received:	N/A
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	DHS LUFT

Project: Lakeside / 0026769

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
098-03-008-5,690	Solid	GC 1	07/25/05	07/26/05	050725B02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	105	105	70-118	0	0-28	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ERM-WEST		Date Received:	N/A
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	DHS LUFT

Project: Lakeside / 0026769

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
098-03-008-5,692	Solid	GC 1	07/26/05	07/26/05	050726B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	99	101	70-118	2	0-28	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ERM-WEST		Date Received:	N/A
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project: Lakeside / 0026769

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-10,877	Solid	GC/MS EE	07/26/05	07/26/05	050726L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	102	84-114	1	0-7	
Carbon Tetrachloride	77	79	66-132	3	0-12	
Chlorobenzene	103	102	87-111	0	0-7	
1,2-Dichlorobenzene	103	103	79-115	0	0-8	
1,1-Dichloroethene	104	105	73-121	1	0-12	
Toluene	103	101	78-114	2	0-7	
Trichloroethene	104	102	84-114	2	0-8	
Vinyl Chloride	105	107	63-129	1	0-15	
Methyl-t-Butyl Ether (MTBE)	90	91	77-125	2	0-11	
Tert-Butyl Alcohol (TBA)	68	70	47-137	3	0-27	
Diisopropyl Ether (DIPE)	93	94	76-130	1	0-8	
Ethyl-t-Butyl Ether (ETBE)	88	89	76-124	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	90	89	82-118	0	0-11	
Ethanol	87	93	59-131	6	0-21	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST		Date Received:	N/A
3 Hutton Centre Dr., Suite 600		Work Order No:	05-07-1317
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project: Lakeside / 0026769

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-10,881	Solid	GC/MS EE	07/27/05	07/27/05	050727L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	103	84-114	1	0-7	
Carbon Tetrachloride	82	81	66-132	1	0-12	
Chlorobenzene	106	104	87-111	2	0-7	
1,2-Dichlorobenzene	108	105	79-115	3	0-8	
1,1-Dichloroethene	107	106	73-121	1	0-12	
Toluene	104	104	78-114	0	0-7	
Trichloroethene	104	105	84-114	1	0-8	
Vinyl Chloride	109	107	63-129	1	0-15	
Methyl-t-Butyl Ether (MTBE)	91	90	77-125	1	0-11	
Tert-Butyl Alcohol (TBA)	68	67	47-137	2	0-27	
Diisopropyl Ether (DIPE)	98	95	76-130	2	0-8	
Ethyl-t-Butyl Ether (ETBE)	90	89	76-124	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	89	91	82-118	1	0-11	
Ethanol	90	83	59-131	8	0-21	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 05-07-1317

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Virendra Patel

From: Lucas.BGiachetti@erm.com
Sent: Monday, July 25, 2005 11:55 AM
To: Virendra Patel
Subject: RE: Samples Analysis for Lakeside, CA

Virendra,

#20 #21

My apologies. Those two samples should read B-4-21 and B-4-24.

Thanks.

Lucas Barroso-Giachetti, E.I.T.
Scientist
ERM
3 Hutton Centre, Suite 600
Santa Ana, California 92707
(714) 430.1476 ext. 2031
(714) 436.2940 (fax)
(310) 430.5853 (cell)
lucas.bgiachetti@erm.com
www.erm.com

"Virendra Patel" <VPatel@calscience.com>

07/25/2005 11:50 AM

To: <Lucas.BGiachetti@erm.com>
cc: <Jay.Dablow@erm.com>
Subject: RE: Samples Analysis for Lakeside, CA

Lucas,

The COC's provided do not have listed samples:

B-4-20 and B-4-25?

Please advise at your earliest convenience.

Thanks!

Virendra

-----Original Message-----
From: Lucas.BGiachetti@erm.com [mailto:Lucas.BGiachetti@erm.com]
Sent: Monday, July 25, 2005 11:43 AM
To: Virendra Patel
Cc: Jay.Dablow@erm.com

Subject: Samples Analysis for Lakeside, CA

Virendra,

It's a pleasure meeting you and thank you for your help. Please go forward with analysis of the following samples delivered on Friday 7/22/05 for project # 0026769 as defined in the CoC:

- B-1-20 – #3
- B-1-25 – #4
- B-2-20 – #6
- B-2-25 – #7
- B-3-5 – #9
- B-3-20 – #12
- B-3-25 – #13
- B-4-5 – #16
- B-4-10 – #17
- B-4-~~20~~ 21 – #20
- B-4-~~25~~ 24 – #21

Normal turnaround time is fine for these samples and I understand that this timeframe will begin today. If you have any questions or comments, feel free to contact me at the numbers listed below.

Thanks,

Lucas Barroso-Giachetti, E.I.T.
Scientist
ERM
3 Hutton Centre, Suite 600
Santa Ana, California 92707
(714) 430.1476 ext. 2031
(714) 436.2940 (fax)
(310) 430.5853 (cell)
lucas.bgiachetti@erm.com
www.erm.com

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CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 7/22/05

Page 1 of 3

LABORATORY CLIENT: ERM

ADDRESS: 3 Hutton Centre, Suite 600

CITY: Santa Ana STATE: CA ZIP: 92707

TEL: (714) 480-1476 FAX: (714) -436-2940 E-MAIL:

CLIENT PROJECT NAME / NUMBER: LAKESIDE / 0026769

PROJECT CONTACT: Jay Dablow

SAMPLER(S): (SIGNATURE)

COELT LOG CODE

P.O. NO.:

LAB USE ONLY: 07-1317

COOLER RECEIPT TEMP = °C

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS:
Please hold until notification from J. Dablow

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G) 8015 CA	TPH (D) or	BTEX / MTBE (8260B) or	OXYGENATES (8260B)	VOCs (8260B)	5035 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B) / 747	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)				
1	B-1-10		7/21/05	0940	SOIL	6X	X	X	X	X	X												
2	B-1-15			0950																			
3	B-1-20			0955																			
4	B-1-25			1003																			
5	B-1-30			1009																			
6	B-2-20			1325																			
7	B-2-25			1340																			
8	B-2-29			1352																			
9	B-3-5			1555																			
10	B-3-10		↓	1600	↓	↓	↓	↓	↓	↓	↓												

Relinquished by: (Signature)	Received by: (Signature)	Date: 7/22/05	Time: 1545
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received for Laboratory by: (Signature)	Date: 7/22/05	Time: 1545

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Q&Q Graphic 714-898-9702

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7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 7/22/05

LABORATORY CLIENT: ERM		CLIENT PROJECT NAME / NUMBER: LAKESIDE / 0026769	P.O. NO.:
ADDRESS: 3 Hutton Centre / Suite 600		PROJECT CONTACT: Jay Dablow	LAB USE ONLY 07-1312
CITY: Santa Ana	STATE: CA ZIP: 92707	SAMPLER(S): (SIGNATURE)	COELT LOG CODE
TEL: (714) 430-1476	FAX: (714) 436-2940	E-MAIL:	COOLER RECEIPT TEMP = °C

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS:
Please hold until notification from J. Dablow

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G) SOIL-MA	TPH (D) or	BTEX / MTBE (8260B) or	OXYGENATES (8260B)	VOCs (8260B)	5035 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B) / 747	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)				
11	B-3-15		7/21/05	1607	SOIL	1	+	+	+	+	+												
12	B-3-20			1612																			
13	B-3-25			1620																			
14	B-3-30			1626																			
15	B-3-35			1635																			
16	B-4-5		7/22/05	0805																			
17	B-4-10			0815																			
18	B-4-15			0845																			
19	B-4-18			0850																			
20	B-4-21			0900	V		V																

Relinquished by: (Signature)	Received by: (Signature)	Date: 7/22/05	Time: 1545
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
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7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 7/22/05

Page 3 of 3

LABORATORY CLIENT: ERM		CLIENT PROJECT NAME / NUMBER: Lakeside 0026769	P.O. NO.:
ADDRESS: 3 Hutton Centre, Ste. 600		PROJECT CONTACT: Jay Dablow	LAB USE ONLY: 01 17 13 12
CITY: South Orange STATE: CA ZIP: 92707		SAMPLER(S): (SIGNATURE)	COELT LOG CODE
TEL: (714) 430-1475	FAX: (714) 436-2940 E-MAIL:		COOLER RECEIPT TEMP: °C

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐ _____

SPECIAL INSTRUCTIONS: Please hold until notification from Jay Dablow

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or 8015m	BTEX/MTBE (8021B) or (8260B)	OXYGENATES (8260B)	VOCs (8260B)	5035 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B)	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)				
01	B-4-24		7/22/05	0903	SOIL	1	X	X	X	X	X												
02	B-4-27		↓	0920	↓	↓	X	X	X	X	X												

Relinquished by: (Signature)	Received by: (Signature)	Date: 7/22/05	Time: 1545
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received for Laboratory by: (Signature)	Date: 7/22/05	Time: 1545

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11/20/03 Revision

QAQ Graphic (714) 898-9702

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 05 - 07 - 1317

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: ERM DATE: 7/27/05

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.
_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
3.7 °C IR thermometer.
_____ Ambient temperature.

Initial: HT

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Applicable (N/A): ✓

Initial: HT

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: HT

COMMENTS:

MOBILE GEO CHEMISTRY

H&P

15 August 2005

Mr. Jay Dablow
ERM-West, Inc.
3 Hutton Centre, Suite 600
Santa Ana, CA 92707

RE: ER081005-L6

Enclosed are the results of analyses for samples received by the laboratory on 10-Aug-05 . If you have any questions concerning this report, please feel free to contact me.

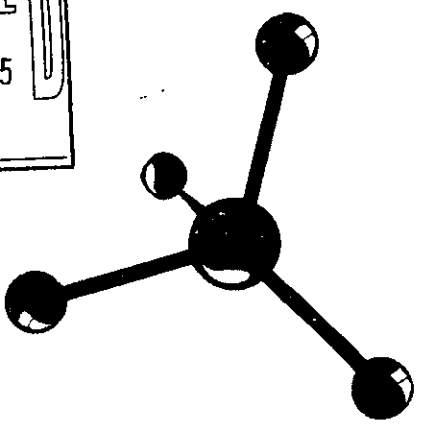
Sincerely,

Rebecca L Johnson for

Tamara Davis
Laboratory Director

H&P Mobile Geochemistry operates under CA Environmental Lab Accreditation Program Numbers 1317, 1561, 1667, 1745, 1746, 1839, 2088, 2278, 2530 2543, 2579 and 2595.

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AUG 16 2005
By



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MOBILE GEOCHEMISTRY

H&P

ERM-West, Inc.	Project: ER081005-L6	
3 Hutton Centre, Suite 600	Project Number: 0026769.02.03, 11719 Woodside Ave	Reported:
Santa Ana CA, 92707	Project Manager: Mr. Jay Dablow	15-Aug-05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	6508008-01	Water	10-Aug-05	10-Aug-05
MW-2	6508008-02	Water	10-Aug-05	10-Aug-05
MW-3	6508008-03	Water	10-Aug-05	10-Aug-05
MW-4	6508008-04	Water	10-Aug-05	10-Aug-05
MW-4 Dup	6508008-05	Water	10-Aug-05	10-Aug-05

MOBILE GEOCHEMISTRY

H&P

ERM-West, Inc.	Project: ER081005-L6	
3 Hutton Centre, Suite 600	Project Number: 0026769.02.03, 11719 Woodside Ave	Reported:
Santa Ana CA, 92707	Project Manager: Mr. Jay Dablow	15-Aug-05

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-1 (6508008-01) Water Sampled: 10-Aug-05 Received: 10-Aug-05									
Methyl tert-butyl ether	ND	1.0	ug/l	0.05	6H51001	10-Aug-05	10-Aug-05	EPA 8260B	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.5	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
Ethylbenzene	ND	0.5	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.5	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*		*75-125*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*		*62-139*		"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*75-125*		"	"	"	
MW-2 (6508008-02) Water Sampled: 10-Aug-05 Received: 10-Aug-05									
Methyl tert-butyl ether	ND	1.0	ug/l	0.05	6H51001	10-Aug-05	10-Aug-05	EPA 8260B	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.5	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
Ethylbenzene	ND	0.5	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.5	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*		*75-125*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*		*62-139*		"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*75-125*		"	"	"	

MOBILE GEOCHEMISTRY
H&P

ERM-West, Inc.	Project: ER081005-L6	
3 Hutton Centre, Suite 600	Project Number: 0026769.02.03, 11719 Woodside Ave	Reported:
Santa Ana CA, 92707	Project Manager: Mr. Jay Dablow	15-Aug-05

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-3 (6508008-03) Water Sampled: 10-Aug-05 Received: 10-Aug-05									
Methyl tert-butyl ether	ND	1.0	ug/l	0.05	6H51001	10-Aug-05	10-Aug-05	EPA 8260B	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.5	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
Ethylbenzene	ND	0.5	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.5	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*		*75-125*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*		*62-139*		"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*75-125*		"	"	"	
MW-4 (6508008-04) Water Sampled: 10-Aug-05 Received: 10-Aug-05									
Methyl tert-butyl ether	ND	1.0	ug/l	0.05	6H51001	10-Aug-05	10-Aug-05	EPA 8260B	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.5	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
Ethylbenzene	ND	0.5	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.5	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*		*75-125*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*		*62-139*		"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*		*75-125*		"	"	"	

MOBILE GEOCHEMISTRY

H&P

ERM-West, Inc.	Project: ER081005-L6	
3 Hutton Centre, Suite 600	Project Number: 0026769.02.03, 11719 Woodside Ave	Reported:
Santa Ana CA, 92707	Project Manager: Mr. Jay Dablow	15-Aug-05

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-4 Dup (6508008-05) Water	**Sampled: 10-Aug-05**	**Received: 10-Aug-05**							
Methyl tert-butyl ether	ND	1.0	ug/l	0.05	6H51001	10-Aug-05	10-Aug-05	EPA 8260B	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.5	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
Ethylbenzene	ND	0.5	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.5	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*		*62-139*	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY

H&P

ERM-West, Inc.	Project: ER081005-L6	
3 Hutton Centre, Suite 600	Project Number: 0026769.02.03, 11719 Woodside Ave	Reported:
Santa Ana CA, 92707	Project Manager: Mr. Jay Dablow	15-Aug-05

TPH by MS

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-1 (6508008-01) Water Sampled: 10-Aug-05 Received: 10-Aug-05									
Gasoline (C5-C11)	ND	50.0	ug/l	0.05	6H51001	10-Aug-05	10-Aug-05	DHS LUFT/8260B	
MW-2 (6508008-02) Water Sampled: 10-Aug-05 Received: 10-Aug-05									
Gasoline (C5-C11)	ND	50.0	ug/l	0.05	6H51001	10-Aug-05	10-Aug-05	DHS LUFT/8260B	
MW-3 (6508008-03) Water Sampled: 10-Aug-05 Received: 10-Aug-05									
Gasoline (C5-C11)	ND	50.0	ug/l	0.05	6H51001	10-Aug-05	10-Aug-05	DHS LUFT/8260B	
MW-4 (6508008-04) Water Sampled: 10-Aug-05 Received: 10-Aug-05									
Gasoline (C5-C11)	ND	50.0	ug/l	0.05	6H51001	10-Aug-05	10-Aug-05	DHS LUFT/8260B	
MW-4 Dup (6508008-05) Water Sampled: 10-Aug-05 Received: 10-Aug-05									
Gasoline (C5-C11)	ND	50.0	ug/l	0.05	6H51001	10-Aug-05	10-Aug-05	DHS LUFT/8260B	

MOBILE GEOCHEMISTRY

H&P

ERM-West, Inc.	Project: ER081005-L6	
3 Hutton Centre, Suite 600	Project Number: 0026769.02.03, 11719 Woodside Ave	Reported:
Santa Ana CA, 92707	Project Manager: Mr. Jay Dablow	15-Aug-05

TPH by GC FID

H&P Mobile Geochemistry Lab L3

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW-1 (6508008-01) Water Sampled: 10-Aug-05 Received: 10-Aug-05									
Diesel (C12-C24)	ND	500	ug/l	1	3H51101	11-Aug-05	11-Aug-05	DHS LUFT/8015M	
MW-2 (6508008-02) Water Sampled: 10-Aug-05 Received: 10-Aug-05									
Diesel (C12-C24)	ND	500	ug/l	1	3H51101	11-Aug-05	11-Aug-05	DHS LUFT/8015M	
MW-3 (6508008-03) Water Sampled: 10-Aug-05 Received: 10-Aug-05									
Diesel (C12-C24)	ND	500	ug/l	1	3H51101	11-Aug-05	11-Aug-05	DHS LUFT/8015M	
MW-4 (6508008-04) Water Sampled: 10-Aug-05 Received: 10-Aug-05									
Diesel (C12-C24)	ND	500	ug/l	1	3H51101	11-Aug-05	11-Aug-05	DHS LUFT/8015M	
MW-4 Dup (6508008-05) Water Sampled: 10-Aug-05 Received: 10-Aug-05									
Diesel (C12-C24)	ND	500	ug/l	1	3H51101	11-Aug-05	11-Aug-05	DHS LUFT/8015M	

MOBILE GEOCHEMISTRY

H&P

ERM-West, Inc.	Project: ER081005-L6	
3 Hutton Centre, Suite 600	Project Number: 0026769.02.03, 11719 Woodside Ave	Reported:
Santa Ana CA, 92707	Project Manager: Mr. Jay Dablow	15-Aug-05

Volatile Organic Compounds by EPA Method 8260B - Quality Control

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6H51001 - EPA 5030										
Blank (6H51001-BLK1)				Prepared & Analyzed: 10-Aug-05						
Methyl tert-butyl ether	ND	1.0	ug/l							
Di-isopropyl ether	ND	1.0	"							
Ethyl tert-butyl ether	ND	1.0	"							
Tert-amyl methyl ether	ND	1.0	"							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.500	"							
Tert-butyl alcohol	ND	5.0	"							
Naphthalene	ND	1.0	"							
Surrogate: Dibromofluoromethane	*2.67*		"	*2.50*		*107*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.61*		"	*2.50*		*104*	*62-139*			
Surrogate: Toluene-d8	*2.63*		"	*2.50*		*105*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.71*		"	*2.50*		*108*	*75-125*			
Matrix Spike (6H51001-MS1)		Source: 6508008-01		Prepared & Analyzed: 10-Aug-05						
Benzene	2.79	0.500	ug/l	2.50	ND	112	75-125			
Toluene	2.60	0.500	"	2.50	ND	104	74-125			
Surrogate: Dibromofluoromethane	*2.66*		"	*2.50*		*106*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.60*		"	*2.50*		*104*	*75-125*			
Surrogate: Toluene-d8	*2.73*		"	*2.50*		*109*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.63*		"	*2.50*		*105*	*75-125*			
Matrix Spike Dup (6H51001-MSD1)		Source: 6508008-01		Prepared & Analyzed: 10-Aug-05						
Benzene	2.72	0.500	ug/l	2.50	ND	109	75-125	2.54	20	
Toluene	2.51	0.500	"	2.50	ND	100	74-125	3.52	20	
Surrogate: Dibromofluoromethane	*2.66*		"	*2.50*		*106*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.56*		"	*2.50*		*102*	*75-125*			

MOBILE GEOCHEMISTRY

H&P

ERM-West, Inc.	Project: ER081005-L6	
3 Hutton Centre, Suite 600	Project Number: 0026769.02.03, 11719 Woodside Ave	Reported:
Santa Ana CA, 92707	Project Manager: Mr. Jay Dablow	15-Aug-05

Volatile Organic Compounds by EPA Method 8260B - Quality Control

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6H51001 - EPA 5030										
Matrix Spike Dup (6H51001-MSD1)	**Source: 6508008-01**		Prepared & Analyzed: 10-Aug-05							
Surrogate: Toluene-d8	*2.62*		*ug/l*	*2.50*		*105*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.65*		*"*	*2.50*		*106*	*75-125*			

MOBILE GEOCHEMISTRY

H&P

ERM-West, Inc.	Project: ER081005-L6	
3 Hutton Centre, Suite 600	Project Number: 0026769.02.03, 11719 Woodside Ave	Reported:
Santa Ana CA, 92707	Project Manager: Mr. Jay Dablow	15-Aug-05

TPH by MS - Quality Control

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6H51001 - EPA 5030										
Blank (6H51001-BLK1)				Prepared & Analyzed: 10-Aug-05						
Gasoline (C5-C11)	ND	50	ug/l							

MOBILE GEOCHEMISTRY

H&P

ERM-West, Inc.	Project: ER081005-L6	
3 Hutton Centre, Suite 600	Project Number: 0026769.02.03, 11719 Woodside Ave	Reported:
Santa Ana CA, 92707	Project Manager: Mr. Jay Dablow	15-Aug-05

TPH by GC FID - Quality Control

H&P Mobile Geochemistry Lab L3

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3H51101 - LUFT-DHS										
Blank (3H51101-BLK1)				Prepared & Analyzed: 11-Aug-05						
Diesel (C12-C24)	ND	500	ug/l							
Matrix Spike (3H51101-MS1)		Source: 6508008-01		Prepared & Analyzed: 11-Aug-05						
Diesel (C12-C24)	2380	500	ug/l	2510	ND	94.8	75-125			
Matrix Spike Dup (3H51101-MSD1)		Source: 6508008-01		Prepared & Analyzed: 11-Aug-05						
Diesel (C12-C24)	2400	500	ug/l	2510	ND	95.6	75-125	0.837	30	

MOBILE GEOCHEMISTRY

H&P

ERM-West, Inc.	Project: ER081005-L6	
3 Hutton Centre, Suite 600	Project Number: 0026769.02.03, 11719 Woodside Ave	Reported:
Santa Ana CA, 92707	Project Manager: Mr. Jay Dablow	15-Aug-05

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

6508008

Date: 8-10-05

H&P Project # ER081005-L6

Outside Lab:

Client: ERM

Address: 3 Hutton Centre, Suite 600

Santa Ana ~~South Coast Metro~~, CA. 92707

Phone: 714 430-1476 Fax: 714 436-2940

Collector: Neil Coy

Client Project # 0026769.02.03

Location: Vacant Lot, 11719 Woodside Ave, Lakeside

Turn around time: on-site / 24 hr

Page: 1 Of 1

Project Manager Jay Dablow

Global ID: EDF: Yes / No

H20 8260 ~~btex~~/oxy/napth/TPH-g + Diesel 8015 (24 hr TAT)

Sample Receipt

Intact: ☒ Yes ☐ No

Seal Intact: ☐ Yes ☐ No ☒ N/A

Cold: ☐ Yes ☐ No

N/A (Received on Site)

	Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates + napth	8260B: Oxygenates	8260B: VOC's	8260B: VOC's and Oxygenates	Methane	Fixed Gases	Total # of containers
01	MW-1			0800	8/10	H2O	VOA/500 mL	X					X						7
02	MW-2			0851	8/10			X					X						7
03	MW-3			09:42	8/10			X					X						7
04	MW-4			10:55	8/10			X					X						7
05	MW-4 Dup			10:59	8/10			X					X						7

Relinquished by: (Signature)	(company) ERM	Received by: (Signature)	(company) H&P	Date: 8-10-05 Time: 12 00
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

6508008

Date: 8-10-05

H&P Project # ER081005-L6

Outside Lab:

Client: ERM

Address: 3 Hutton Centre, Suite 600

Santa ~~South Coast Metro~~, CA. 92707

Phone: 714 430-1476 Fax: 714 436-2940

Collector: Neil Coy

Client Project # 0026769.02.03

Location: Vacant Lot, 11719 Woodside Ave, Lakeside

Page: 1 Of 1

Project Manager Jay Dablow

Turn around time: on-site / 24 hr

Global ID: EDF: Yes / No

H2O 8260 btex /ox / naph / TPH-g + Diesel 8015 (24 hr TAT)

Sample Receipt

Intact: ☒ Yes ☐ No

Seal Intact: ☐ Yes ☐ No ☒ N/A

Cold: ☐ Yes ☐ No

N/A (Received on Site)

	Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates + naph	8260B: Oxygenates	8260B: VOC's	8260B: VOC's and Oxygenates	Methane	Fixed Gases					Total # of containers
01	MW-1			0800	8/10	H_2O	voa/500 mL	X					X										7
02	MW-2			0851	8/10			X					X										7
03	MW-3			09:42	8/10			X					X										7
04	MW-4			10:55	8/10			X					X										7
05	MW-4 Dup			10:59	8/10			X					X										7

Relinquished by: (Signature)	(company) EMI	Received by: (Signature)	(company) H&P	Date: 8-10-05 Time: 12 00
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

Memorandum

Environmental
Resources
Management

1777 Botelho Drive
Suite 260
Walnut Creek, CA 94596
(925) 946-0455
(925) 946-9968 (fax)

To: Jay Dablow

From: Jackie Luta

Date: 12 August 2005

Subject: Data Review of Lakeside Samples Collected 21-22 July 2005

Project Number: 0026769.02.02

Data Package: Calscience Data Package 05-07-1317

The quality of the data was assessed and any necessary qualifiers were applied following the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* October 1999.

HOLDING TIME AND PRESERVATION EVALUATION

The samples were prepared and analyzed within the method prescribed time period from the date of collection. The sample shipments were received at the laboratory within the method prescribed temperature preservation requirements. None of the data were qualified based on holding time or temperature preservation exceedances.

BLANK EVALUATION

The method blank sample results were nondetected for each of the target analytes. No data were qualified based on blank results.

BLANK SPIKE EVALUATION

The laboratory control sample (LCS) recoveries were within the laboratory's limits of acceptance. The LCS recoveries indicate acceptable laboratory accuracy and precision.

MATRIX SPIKE EVALUATION

The matrix spike (MS)/matrix spike duplicate (MSD) recoveries were within the laboratory's limits of acceptance The MS/MSD recoveries indicate acceptable laboratory accuracy and precision and minimal matrix interference.

SURROGATE SPIKE EVALUATION

The surrogate recoveries were within acceptable limits. No qualifications to the data were made. The surrogate recoveries indicate minimal matrix interference in the samples.

OVERALL ASSESSMENT

No data required qualification or rejection. All of the data can be used for decision-making purposes. The quality of the data generated during this investigation is acceptable for the preparation of technically defensible documents.

Appendix C

Geophysical Investigation Report

SubSurface Surveys & Associates, Inc.
An Applied Geophysical Company

215 S. Hwy 101, Suite 203
Solana Beach, CA 92075

Office: (858) 481-8949
Fax (858) 481-8998

August 3, 2005

Environmental Resources Management
3 Hutton Center
Suite 600
Santa Ana, California 92707

Project/Invoice Number 05-280

Attn: Britt Howard

Re: Geophysical Investigation, Borehole Clearance, 11719 Woodside Avenue, Lakeside, California

This report is to present the results of our geophysical survey carried out over portions of property located at 11719 Woodside Avenue, in Lakeside, California (Fig. 1) on July 15, 2005. Purpose of the survey was to locate and identify, insofar as possible, piping, conduit, and other buried features that exist near the immediate vicinity of 4 proposed borehole locations.

A combination of electromagnetic induction, EM, magnetometry, and ground penetrating radar, GPR, were applied to the search. A utility locator with line tracing capabilities was also brought to the field and used where risers exist onto which a signal could be impressed and traced.

Multiple methods were utilized because each instrument senses different material properties of the ground and buried objects. At any given site the situation, geologic and cultural, may be such that one or more of the instruments may record excessive "noise", the ground may not provide sufficient contrasts, or there may be overlapping anomalies, for a given instrument to be effective. Summarily stated, there are generally instrumental limits and interpretational impediments.

Survey Design – A field map of the survey area detailing the locations of the four proposed boreholes was faxed to Subsurface Surveys prior to the survey. On the day of the geophysical survey, the crew was then charged with the responsibility to place the locations of the four proposed borehole based off of the faxed map in areas that included numerous above-ground cultural objects that could potentially cause interference with the instruments should a formal rectilinear grid for data collection be established. In situations such as this, where cultural objects limit the use of a formal rectilinear grid, the best use of time is achieved by systematically free-traversing with the instruments while monitoring them continuously to determine which responses are significant and due to true subsurface targets, and which are due to above-ground features and must be ignored. The line tracer and GPR were traversed systematically over the area along the eight lines of the standard search pattern (Fig. 2), wherein, there are two sets of three parallel lines, mutually orthogonal, and two diagonals, all centered on the marked drill location. Adjacent parallel lines are approximately 5 feet apart, and each line is approximately 20 feet long, access permitting. Other traverses were taken, access permitting, for detailing and confirmation where anomalous conditions were found. Multiple GPR profiles were also collected throughout the area and in specific areas for confirmation where other instruments detected anomalies.

Sub Surface Surveys

SITE LOCATION MAP

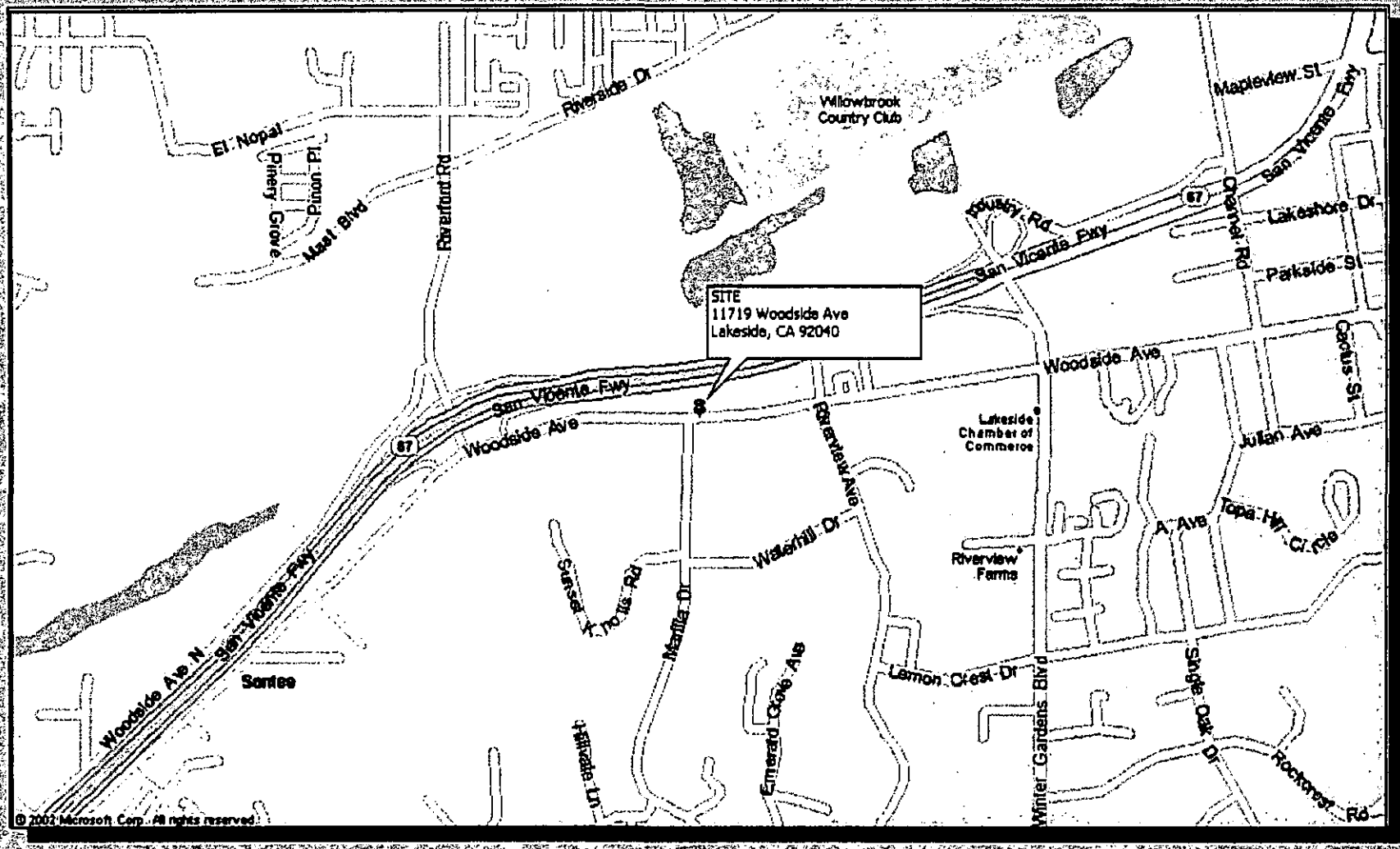


FIGURE 1

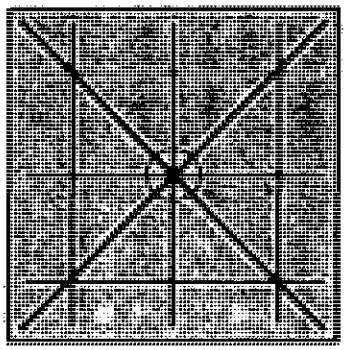


Figure 2: Standard search pattern around borehole

Hard copy of the EM data was not acquired, that is, discrete readings on the nodes of a grid were not recorded that could be put into a contoured map format. Rather, the instruments' meters were read continuously during traverses to detect excursions of the readouts that might have meaning in terms of buried objects. The lack of hard copy for EM data sets does not degrade the quality of the surveys in any way. Hard copy merely provides a basis for report documentation of these geophysical fields, if such documentation is needed.

A Geonic's model EM61, and a Fischer M-Scope, was used for the EM sampling. A Sensors & Software Noggin Ground Penetrating Radar unit produced the radar images. The magnetic gradiometer was a Schonstedt GA-52, and a Metrotech 9890 utility locator rounded out the tools applied.

Brief Description of the Geophysical Methods Applied – The M-Scope device energizes the ground by producing an alternating primary magnetic field with AC current in a transmitting coil. If conducting materials are within the area of influence of the primary field, AC eddy currents are induced to flow in the conductors. A receiving coil senses the secondary magnetic field produced by these eddy currents, and outputs the response as anomalous conditions. The strength of the secondary field is a function of the conductivity of the object, say a pipe, tank or cluster of drums, its size, and its depth and position relative to the instrument's two coils. Conductive objects, to a depth of approximately 7 feet below ground surface (bgs) for the M-Scope are sensed. The device is also somewhat focused; that is, it is more sensitive to conductors below the instrument than they are to conductors off to the side.

The EM61 instrument is a high resolution, time-domain device for detecting buried conductive objects. It consists of a powerful transmitter that generates a pulsed primary magnetic field when its coils are energized, which induces eddy currents in nearby conductive objects. The decay of the eddy currents, following the input pulse, is measured by the coils, which in turn serve as receiver coils. The decay rate is measured for two coils, mounted concentrically, one above the other. By making the measurements at a relatively long time interval (measured in milliseconds) after termination of the primary pulse, the response is nearly independent of the electrical conductivity of the ground. Thus, the instrument is a super-sensitive metal detector. Due to its unique coil arrangement, the response curve is a single well-defined positive peak directly over a buried conductive object. This facilitates quick and accurate location of targets.

The magnetic gradiometer has two flux gate magnetic fixed sensors that are passed closely to and over the ground. When not in close proximity to a magnetic object, that is, only in the earth's field, the instrument emits a sound signal at a low frequency. When the instrument passes over a buried iron or steel object, so that locally there is a high magnetic gradient, the frequency of the emitted sound increases. The frequency is a function of the gradient between the two sensors.

The line locator is used to passively detect energized high voltage electric lines and electrical conduit (50-60 Hz), VLF signals (14-22 kHz), as well as to actively trace other utilities. Where risers are present, the utility locator transmitter can be connected directly to the object, and a signal (9.8-82 kHz) is sent traveling along the conductor, pipe, conduit, etc. In the absence of a riser, the transmitter can be used to impress an input signal on the utility by induction. In either case, the receiver unit is tuned to the input signal, and is used to actively trace the signal along the pipe's surface projection.

The GPR instrument beams energy into the ground from its transducer/antenna, in the form of electromagnetic waves. A portion of this energy is reflected back to the antenna at a boundary in the subsurface across which there is an electrical contrast. The instrument produces a continuous record of the reflected energy as the antenna is traversed across the ground surface. The greater the electrical contrast, the higher the amplitude of the returned energy. The radar wave travels at a velocity unique to the material properties of the ground being investigated, and when these velocities are known, the two-way travel times can be converted to depth. The depth of penetration and image resolution produced are a function of ground electrical conductivity and dielectric constant.

Interpretation and Conclusions - The interpretation took place in real time as the survey progressed, and accordingly, the findings of our investigation were marked on the ground cover at the site. The intent of this document is to demonstrate the procedure, and report the findings of the work.

The EM instruments were effective at locating and delineating metallic objects and utilities over the search areas. GPR was especially useful at detecting both metallic and non-metallic lines and utilities. According to principles of physics, radar penetration is a function of soil conductivity and dielectric constant. At this site, local conditions reduced radar penetration due to the nature of the soil and materials covering the survey areas. This resulted in radar penetration down to approximately 2.5 feet bgs.

Piping and utilities detected during the survey were marked with spray chalk on the ground cover at the site (pink for unknown). Once all detectable utilities and anomalies were accounted for, the proposed boreholes were marked in paint with a pink circle and yellow "SSS" (Figures 3-6). Scattered debris including portions of broken steel conduit was observed throughout the surveyed property. Buried conduits were detected within the vicinity of three of the four proposed borehole locations, however, it does not appear that any of these detected conduits should interfere with future drilling activities. Finally, all detected utilities in the survey areas were marked out and it was left up to the client to determine if the boreholes should be relocated.

Subsurface Survey's professional personnel are trained and experienced and have completed thousands of projects since the companies inception in 1988. It is our policy to work diligently to bring this training and experience to bear to acquire quality data sets, which in turn, can provide clues useful in formulating our interpretations. Still, non-uniqueness of interpretations, methodological limitations, and non-target interferences are prevailing problems. Subsurface Surveys makes no guarantee either expressed or implied regarding the accuracy of the interpretations presented. And, in no event will Subsurface Surveys be liable for any direct, indirect, special, incidental, or consequential damages resulting from interpretations and opinions presented herewith.

All data acquired in these surveys are in confidential file in this office, and are available for review by your staff, or by us at your request, at any time. We appreciate the opportunity to participate in this project. Please call, if there are questions.

Sub Surface Surveys

BOREHOLE PHOTOGRAPHS

11719 Woodside Avenue
Lakeside, California

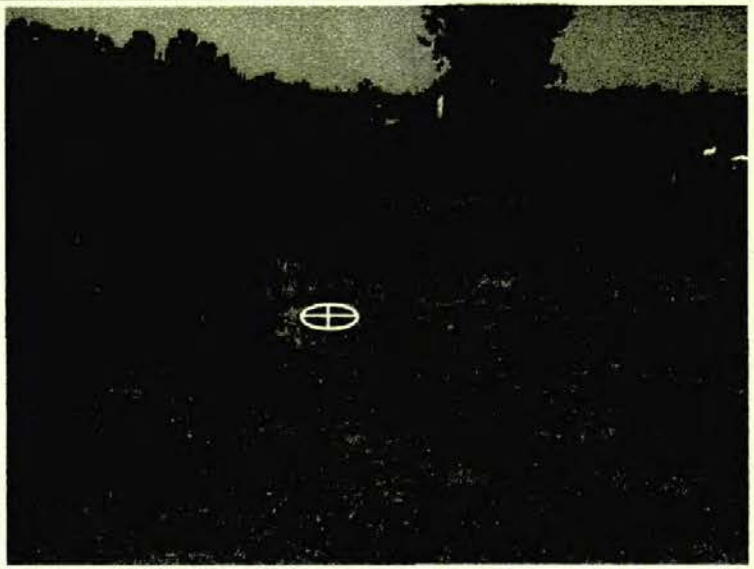


Figure 3



Figure 4

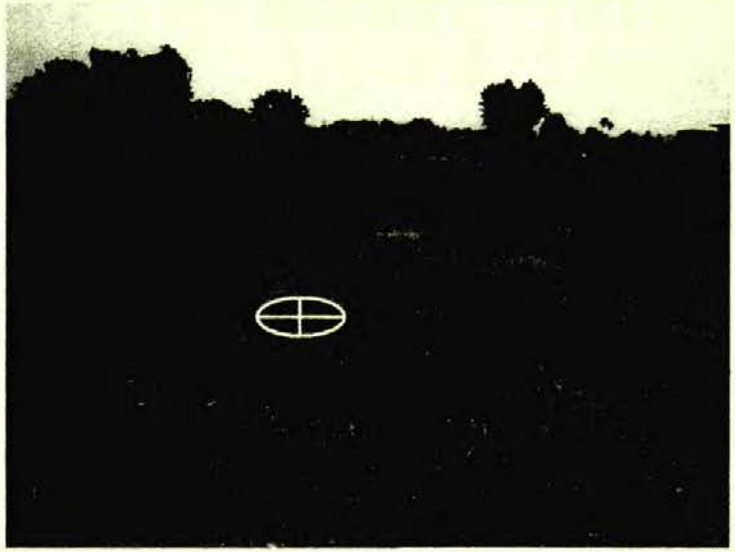


Figure 5

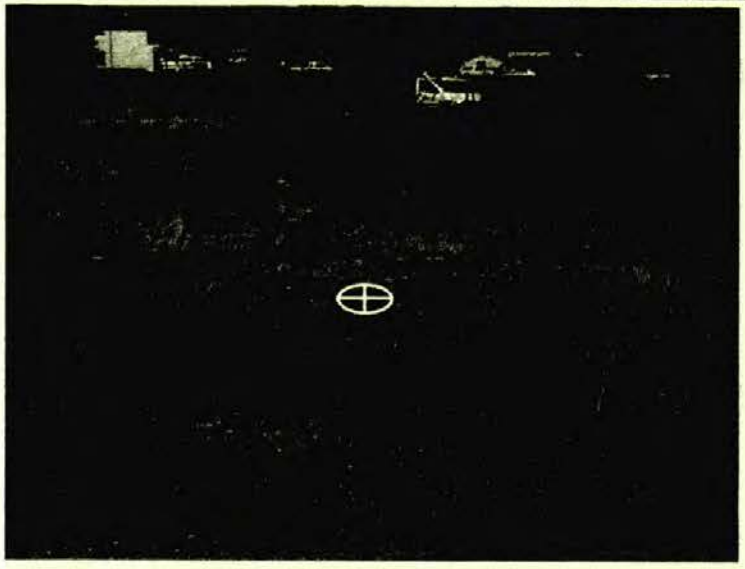


Figure 6

Ryan T. Merkey
Project Geophysicist

Gary W. Crosby, PhD, GP# 960
Senior Geophysicist

Appendix D

San Diego County DEH Well Permits

PERMIT #LMON103272
A.P.N. #382-220-01-00
EST #H35322-002

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: LAKESIDE MOTORS

SITE ADDRESS: 11719 WOODSIDE AVENUE, LAKESIDE, CA 92040

PERMIT FOR: **INSTALL 4 GROUNDWATER MONITORING WELLS**

PERMIT APPROVAL DATE: JULY 19, 2005

PERMIT EXPIRES ON: NOVEMBER 16, 2005

RESPONSIBLE PARTY: WOODSIDE AVENUE INVESTORS, LLC

PERMIT CONDITIONS:

1. Wells must have a **minimum 3-foot concrete surface seal**. The surface seal shall consist of concrete able to withstand the maximum anticipated load without cracking or deteriorating. The concrete should meet Class A specifications of a minimum 4000-pound compressive strength.

2. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, II. E- 4. (**http://www.sdcounty.ca.gov/deh/lwq/sam/manual_guidelines.html**). In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.

3. Within 60 days of completing work, submit a well construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

4. This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at 338-2339.

NOTE: **This permit does not constitute approval of a work plan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Work plans are required for all unauthorized release investigations in San Diego County.**

APPROVED BY: Mike Lun for CAROL SPANGENBERG DATE: 07/20/2005
CAROL SPANGENBERG

NOTIFIED: by v mag 7/19/05

DEH:SAM-9075 (3/05)

Faxed copy

PERMIT APPLICATION
GROUNDWATER
AND VADOSE MONITORING WELLS
AND EXPLORATORY OR TEST BORINGS

OFFICE USE ONLY
PERMIT LMON # 103272
SAM CASE Y/N # _____
DATE RECEIVED: _____
FEE PAID: _____
CHECK # _____

A. RESPONSIBLE PARTY Woodside Avenue Investors, LLC — Phone (619) 507-6200 x
(The person, persons, or company responsible for the construction, maintenance, and destruction of the proposed borings and/or wells.)
Mailing Address 1670 La Force Road — City Alpine — State CA — Zip 91909-
Contact Person Mr. Jim Hunter or Mr. Brad Tuck — Phone 619-507-6200 — Ext. _____
Fax _____

B. SITE ASSESSMENT PROJECT NUMBER – IF APPLICABLE # 0026769

C. CONSULTING FIRM ERM-West, Inc.
Mailing Address 3 Hutton Centre Drive — City Santa Ana — State CA — Zip 92707-
Registered Professional John F. Dablow III, C.E.G. — Registration # 1032 — (PG)
Contact Person Britt Howard — Phone 714-430-1476 — Ext. 2030 — Fax 436-2940

D. DRILLING COMPANY WDC Exploration — C57# 283326 Exp. 6/30/06
Contact Name Jeff O'Connor
Mailing Address 5566 Arrow Highway — City Montclair — State CA — Zip 91763-
Phone 1-800-974-2769 — Fax 909-931-4017

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☒ Groundwater	4
☐ Vadose	___
☐ Boring	___
☐ Other	___

NUMBER OF WELLS TO BE DESTROYED

☐	___

MATERIALS TO BE USED

CASING
Not Applicable ____
Type PVC
Gauge Schedule 40
Diameter 4"
Well Screen Size 0.020
Filter Pack No. 3 Sand

SEAL/BORING BACKFILL
☐ Neat Cement
☒ Cement & Bentonite
☐ Sand-Cement
☒ Bentonite
☐ Other
Borehole diameter 10"

Drilling Method
☒ Auger ☐ Air Rotary
☐ Mud Rotary ☐ Other
☐ Percussion

PROPOSED CONSTRUCTION
Estimated groundwater depth: 25 ft.
Estimated depth of boring ____ ft.

Concrete surface seal	0 to 3
Annular seal	3 to 16
Bentonite transition seal	16 to 18
Filter Pack	18 to 35
Perforation	20 to 35

NOTE:
Attach a well construction diagram for wells with multiple completions

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER'S SIGNATURE Jeffrey P. O'Connor — DATE 7/12/05

Within 60 days of completion, I will furnish the Monitoring Well Desk with a complete and accurate well/boring log. I will certify the design and construction or destruction was in accordance with the permit application.

PG/RCE SIGNATURE J F Dablow — DATE 7/13/05

CERTIFIED ENGINEERING GEOLOGIST JOHN F. DABLOW III No. 1032 STATE OF CALIFORNIA

JUL. 12. 2005 4:17PM ERM WEST NO. 145 P. 2

F. SITE INFORMATION

1. **ASSESSOR'S PARCEL NUMBER** 382-220-01-00
   Site Name 11719 Woodside
   Site Address 11719 Woodside Avenue City Lakeside Zip 92040-

   PROPERTY OWNER Woodside Avenue Investors, LLC.
   Phone (619) 507-6200 Ext. Fax _____
   Mailing Address 1670 La Force Road City Alpine State CA Zip 91909-

   NUMBER OF WELLS 4- **TYPE OF WELLS** Ground Water Monitor

2. **ASSESSOR'S PARCEL NUMBER** _____
   Site Name _____
   Site Address _____ City _____ Zip _____

   PROPERTY OWNER _____
   Phone _____ Ext. _____ Fax _____
   Mailing Address _____ City _____ State __ Zip _____

   NUMBER OF WELLS _____ **TYPE OF WELLS** _____

3. **ASSESSOR'S PARCEL NUMBER** _____
   Site Name _____
   Site Address _____ City _____ Zip _____

   PROPERTY OWNER _____
   Phone _____ Ext. _____ Fax _____
   Mailing Address _____ City _____ State __ Zip _____

   NUMBER OF WELLS _____ **TYPE OF WELLS** _____

4. **ASSESSOR'S PARCEL NUMBER** _____
   Site Name _____
   Site Address _____ City _____ Zip _____

   PROPERTY OWNER _____
   Phone _____ Ext. _____ Fax _____
   Mailing Address _____ City _____ State __ Zip _____

   NUMBER OF WELLS _____ **TYPE OF WELLS** _____

Permit Fees In Effect for July 1, 2005 - June 30, 2006

G. FEES (in effect beginning July 1, 2005, through June 30, 2006)

The County Board of Supervisors authorized a *one-time 10% credit* to be applied to the Department of Environmental Health customers. This credit is being provided to qualified fee-based programs that have contributed to the cost reduction/cost containment/cost avoidance efforts initiated by the Department. This is a *one-time fee adjustment* and is applicable to fees and permits due and/or obtained during the period of July 1, 2005 through June 30, 2006. The 10% is not applicable to enforcement fees or fees relating to non-compliance of permit regulations.

ACTIVITY	FEE SCHEDULE FEE -- ONE-TIME FISCAL YEAR 10% CREDIT	AMOUNT
Permit for Well Installations Only (Groundwater Monitoring Wells, Vadose, Vapor Extraction Wells)	$185.00 for the first monitoring well $185.00 – 10% <$18.50> =	1 x $166.50 $_____
Permit for Well Maintenance Inspection (Valid for three years)	$100.00 for first well maintenance inspection $100.00 – 10% <$10.00> =	1 x $ 90.00 $_____
Each Additional New Well	$160.00 for each additional well installation $160.00 – 10% <$16.00> = $ 30.00 for each additional well maintenance inspection $ 30.00 – 10% <$ 3.00> =	_____ x $144.00 $_____ _____ x $ 27.00 $_____
Permit for Borings Only *(CPT's, Hydropunch, Geoprobes,* Temporary Well Points, etc.)	$185.00 for the first boring $185.00 – 10% <$18.50> = $ 50.00 for each additional boring $ 50.00 – 10% <$ 5.00> =	1 x $166.50 $_____ _____ x $ 45.00 $_____
Permit for Well Destructions Only	$185.00 for the first destruction $185.00 – 10% <$18.50> = $120.00 for each additional destruction $120.00 – 10% <$12.00> =	1 x $166.50 $_____ _____ x $108.00 $_____
Permit for any Combination of Well Installations, Borings, & Destructions *(except UST backfill permit)* **Permit for any Combination of Well Installations, Borings, & Destructions** *(except UST backfill permit)*	The first activity will be $185.00. $185.00 – 10% <$18.50> = Additional activities will be as follows: $160.00 for each additional well $160.00 – 10% <$16.00> = $100.00 for first well maintenance inspection $100.00 – 10% <$10.00> = $ 30.00 for each additional well maintenance inspection $ 30.00 – 10% <$ 3.00> = $ 50.00 for each additional boring $ 50.00 – 10% <$ 5.00> = $120.00 for each well destruction $120.00 – 10% <$12.00> =	1 x $166.50 $_____ _____ x $144.00 $_____ 1 x $ 90.00$_____ _____ x $ 27.00 $_____ _____ x $ 45.00 $_____ _____ x $108.00 $_____
	TOTAL COST OF PERMIT	$ _____

Permit for Underground Storage Tank Monitoring System in Backfill *(i.e. Enhanced Leak Detection)*	(Flat Fee) **$320.00 – 10% <$32.00> =**	**$288.00**

H. QUESTIONNAIRE: Please answer all applicable questions completely. For well destructions, complete only #1 below and submit any required supportive documentation.

1. If wells are to be destroyed, provide a description of method of destruction _____

2. What is the purpose of the well/boring investigation?

   ☒ a. Part of an ongoing site assessment case in which DEH or another government regulator is the lead agency.

   ☐ b. Part of a Phase I investigation for property ownership transfer or: _____

   ☐ c. Geotechnical investigation for proposed construction, land stabilization or:

   ☐ d. Other: _____

3. What procedures will be used to prevent the well/boring from providing an avenue to contamination during construction? All downhole well materials will be decontaminated before use. Monitoring wells will be constructed with a minimum 2 foot bentonite seal above the screen and sandpack and bentonite cement seal above the bentonite. The wells will be completed at grade with, fitted with a locking water-tight cap and enclosed within a traffic rated well vault with a bolted cover.

4. What field procedures will be utilized to determine if contamination exists? A field PID will be used to screen soil samples. Soil samples will be visually inspected for contamination. Also, any odor will be noted on the boring log.

5. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving? A field PID will be used to screen soil samples. Samples will be collected every 5 feet per the workplan.

6. What constituents will be monitored and tested (Include EPA Laboratory Test Methods to be used)? Soil Samples will be collected at 5-foot intervals in each of the four borings and analyzed for VOCs including MtBE by EPA method 8260 and TPH-diesel by EPA Method 8015 modified. After the monitoring wells have been installed and developed, ground water samples will be collected and alnalyzed for TPH-gasoline and TPH-diesel by EPA method 8015, and VOCs by EPA method 8260. Monitoring well samples will be collected on a quarterly basis.

7. How will samples be transported and preserved? Labeled samples will be placed on ice in an ice chest for transport and documented on a chain-of -custody form.

8. What sampling methods will be used? Soil samples will be collected using a California-modified, split-barrel soil sampler inside the hollow-stem augers (lined with 6" brass sleeves). Monitoring well purging and sample collection will be performed using a clean disposable bailer or a peristalic pump with disposable Tygon tubing.

9. Are you proposing a variation from the methods and/or procedures presented in the requirements for the construction or destruction of Vadose and Groundwater Monitoring Wells (Current SAM Manual Requirements)? If yes, specify these variations and include a well construction diagram and all required supporting documentation. Refer to the SAM Manual Appendix B for monitoring well guidelines (http://www/sdcounty.ca.gov/deh/lwq/sam/monitoring_well.html). :No.

10. Are you proposing a variation in drilling and destruction of soil borings from the methods and/or procedures specified in the current SAM manual? If yes, specify these variations and include a destruction diagram. No.

11. What procedures will be used to ensure that the drilling equipment will introduce no contamination? Use decontaminated equipment.

12. What methods will be used to clean sampling equipment? Steam Cleaning with Liquinox and Fresh Water Rinse

13. What cleaning method will be used to clean casing and screen prior to installation? No cleaning required. Pre-cleaned materials will be used.

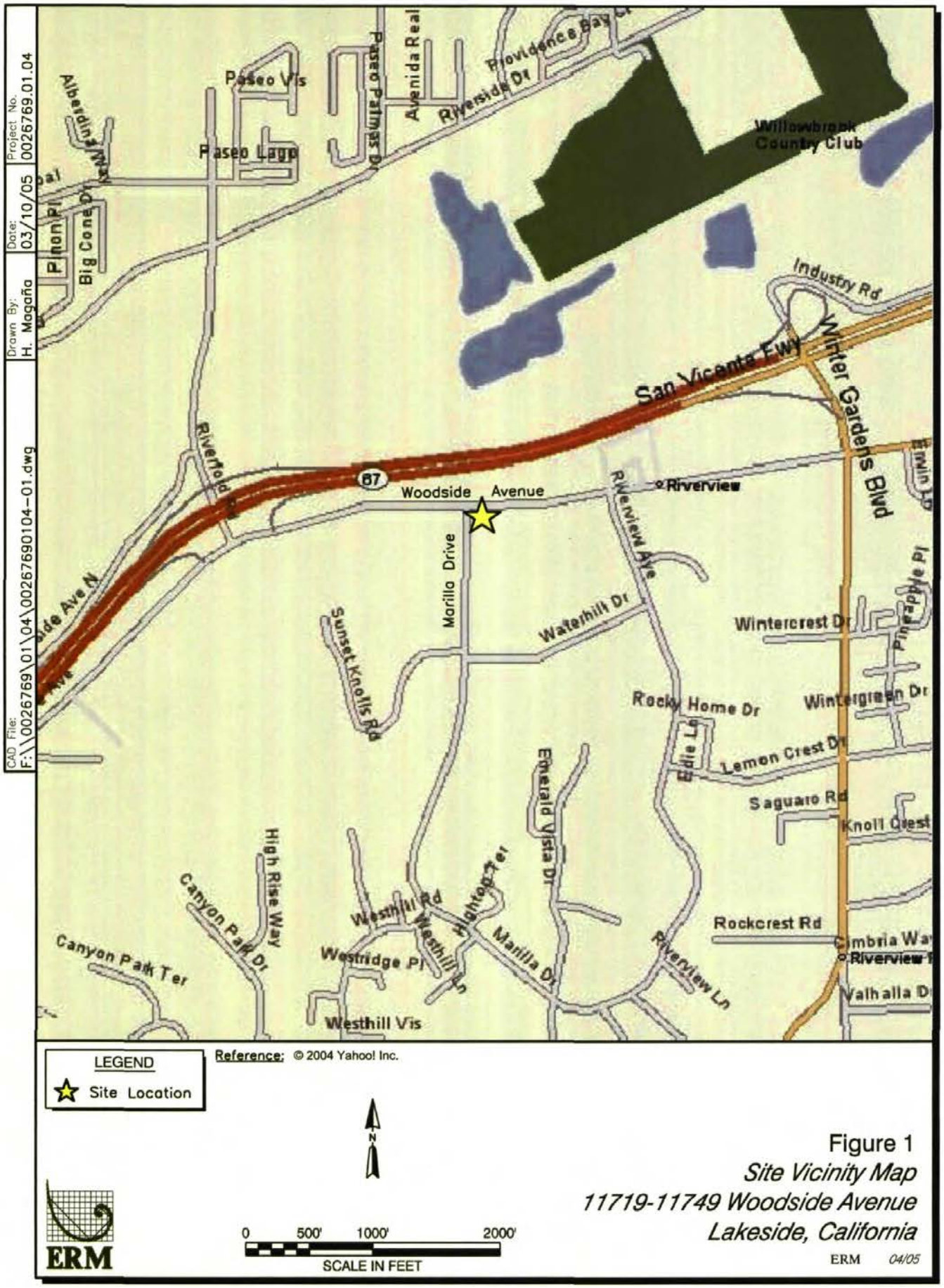


Figure 1
Site Vicinity Map
11719-11749 Woodside Avenue
Lakeside, California

ERM 04/05

Undeveloped

Woodside Avenue

Gate

Former Vacant Residences

Former Concrete Slab

Marilla Drive

Gate

(TPHd: 36 ppm) UP-2-19'

UP-4-18' (TPH: ND)

UP-9-19.5' (TPH: ND)

(TPH: ND) UP-8-17'

UP-1-17' (TPHd: 5,400 ppm)

UP-6-18' (TPH: ND)

(TPHd: 12 ppm) UP-7-18'

(TPH: ND) UP-3-19'

UP-5-18' (TPH: ND)

Gravel Mound

N

LEGEND

Approximate Location of Underground Storage Tank Excavation

Chain-Link Fence

ND = Result Not Detected Above Laboratory Detection Limit

UP = UST Pit

TPHd = Total Petroleum Hydrocarbons, as Diesel

0 20' 40' 80'

SCALE IN FEET

ERM

Figure 2

Site Plan Map

11719-11749 Woodside Avenue

Lakeside, California

ERM 04/05

CAD File: F:\0026769\01\04\0026769104-02.dwg

Residential Development

Drawn By: H. Magaña

Date: 03/10/05

Project No. 0026769.01.04

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
619-338-2222/FAX 619-338-2315/1-800-253-9933
www.sdcounty.ca.gov/deh/lwq

RICHARD HAAS
ASSISTANT DIRECTOR

PROPERTY OWNER RESPONSIBILITY ACKNOWLEDGEMENT

Proposed locations for subsurface work:

Property Address:

11719 Woodside Ave.
Lakeside 92040

Assessor's Parcel Number (APN):

382-220-01-00

I, Jim Hunter, owner of the property/properties listed above, give my permission to ERM West, Inc. (consulting company, contractor) to conduct the following work at the locations stated above.

☒ Install 4 monitoring wells ☐ Destroy _____ monitoring wells ☐ Drill _____ soil borings

The person who causes to have a monitoring well installed or an existing well destroyed on this property is defined as the *Responsible Party*. San Diego County Code, Section 67.424, states that: "Monitoring wells shall be maintained to meet construction or destruction standards. If a monitoring well does not meet construction or destruction standards, the *Responsible Party* must repair, reconstruct or destroy the monitoring well so it meets the standards. The property owner, if different than the *Responsible Party*, must take the necessary actions to repair, reconstruct or destroy the monitoring well so it meets the standards if the *Responsible Party* does not complete the necessary actions."

A soil boring is used specifically to sample soil and, because there are construction and destruction standards, is included in the definition of a monitoring well even though no maintenance is required. These standards are outlined in the County of San Diego Site Assessment and Mitigation (SAM) Manual and the State of California Well Standards Bulletin 74-90.

I understand that John Dablow III (registered professional) of ERM West. Inc (consulting company) and an authorized signer for WDC Exploration & Wells (drilling company) have submitted a signed application to the Department of Environmental Health in which they have agreed to complete the above-stated work according the requirements of the current SAM Manual, all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

I also understand that if either the registered professional and/or the licensed drilling company should fail in their responsibilities as defined in San Diego County Code, Section 67.424, I, as the property owner, must take the necessary actions to repair, reconstruct or destroy the monitoring well so it meets the standards if the Responsible Party does not complete the necessary actions.

The scope of work covered by this Acknowledgement will expire one year from the date of the property owner's signature below. If an extension of time beyond one year is required to complete the proposed drilling activities or additional work is proposed, a new Property Owner Responsibility Agreement will be required.

Property Owner Signature: _____ Date: 7/14/2005

Print Name: Jim Hunter Title: _____

Company: ~~Silver Sage Properties~~, LLC
Woodside Avenue Investors

Mailing Address: ~~457 Glencrest Drive Solana Beach, CA 92075~~
1670 LA FORCE ROAD, ALPINE, CA 91909

RECEIVED
2005 JUN 28 PM 5:45
D. E. H.
MAILROOM

Environmental
Resources
Management

3 Hutton Centre
Suite 600
Santa Ana, CA 92707
(714) 430-1476
(714) 436-2940 (fax)

ERM

27 June 2005

VIA ELECTRONIC MAIL
VIA U.S. MAIL

Mr. Ewan Moffat
County of San Diego
Department of Environmental Health
1255 Imperial Avenue
P.O. Box 129261
San Diego, California 92112-9261

Subject: Groundwater Investigation Work Plan
11719-11749 Woodside Avenue
Lakeside, San Diego County, California

Dear Mr. Moffat:

ERM-West, Inc. (ERM) is submitting this Groundwater Investigation Work Plan (Work Plan) to the County of San Diego Department of Environmental Health (DEH) on the behalf of Woodside Avenue Investors, LLC (Woodside). The work described in this Work Plan is undertaken at the request of the DEH to delineate the groundwater conditions below Woodside's property at 11719-11749 Woodside Avenue in Lakeside, California (Site), in the vicinity of the recently removed underground diesel-fuel storage tank.

The fieldwork will consist of drilling four soil borings and converting each of the soil borings to permanent groundwater monitoring wells. The monitoring wells will be developed and groundwater samples will be collected. The soil and groundwater samples will be transported to a California-certified laboratory for analysis by EPA Methods 8015B and 8260B. The details of the procedures for the fieldwork and laboratory analysis are included in the attached Work Plan.

If you have any questions or comments concerning the Work Plan please contact Mr. Jay Dablow at (714) 430-1476 or Mr. Colin Young at (619) 574-0620.

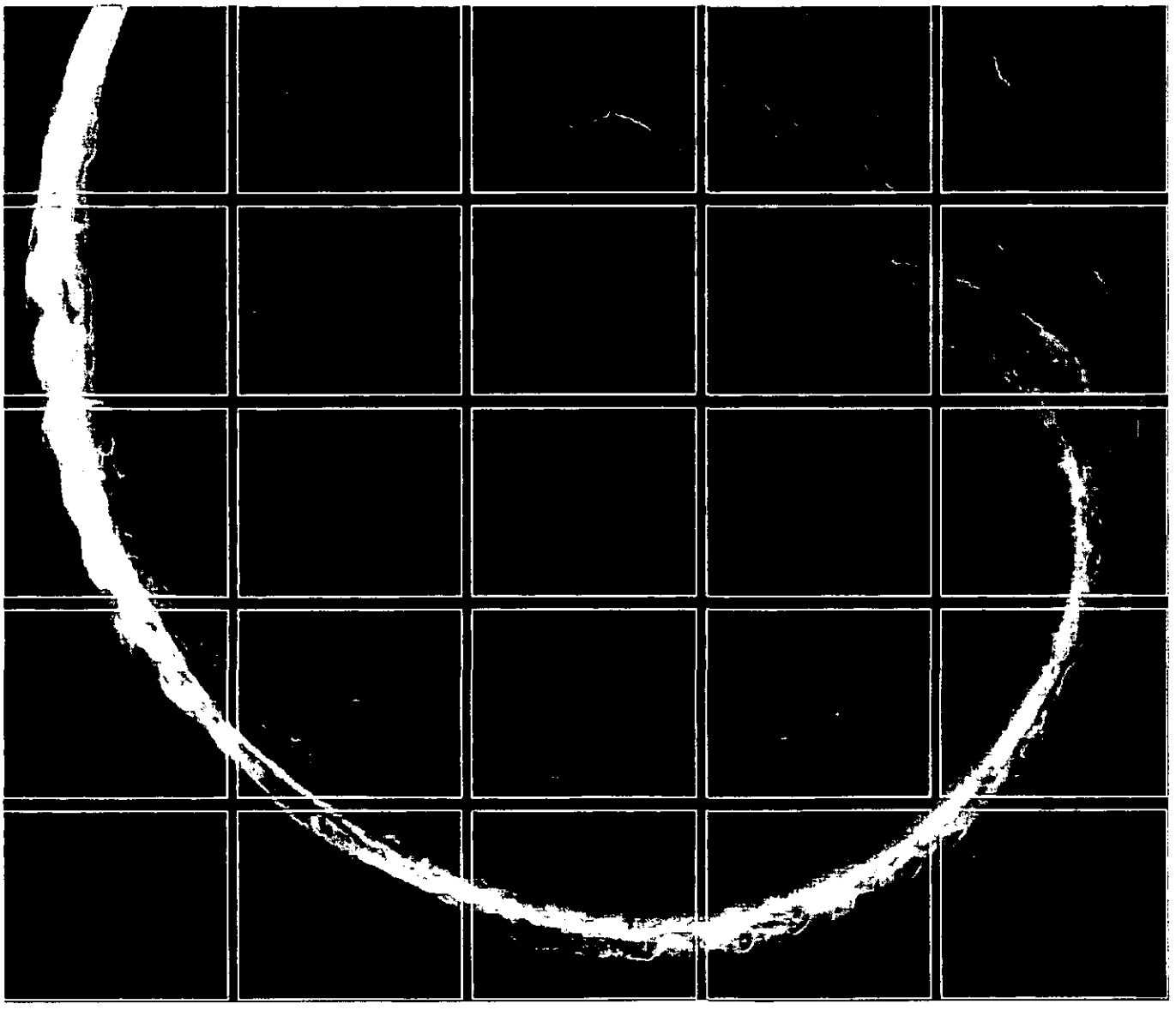
Sincerely,

Colin P. Young, CIH
Principal-in-Charge

Jay Dablow, C.E.G. #1032
Technical Director

Enclosure – Groundwater Investigation Work Plan

cc: Mr. Bradley J. Tuck



Groundwater Investigation Work Plan

Woodside Avenue Investors, LLC

June 2005

www.erm.com

ERM's Santa Ana Office
3 Hutton Centre, Suite 600
Santa Ana, California 92707
www.erm.com

Woodside Avenue Investors, LLC

Groundwater Investigation Work Plan

June 2005

11719-11749 Woodside Avenue
Lakeside, California

Colin P. Young, CIH
Principal-in-Charge

Jay Dablow, C.E.G. #1032
Technical Director

Environmental Resources Management
3 Hutton Centre, Suite 600
Santa Ana, California 92707
(714) 430-1476

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1.0 INTRODUCTION

The Site consists of a rectangular parcel of land occupying approximately 4 acres in a mixed commercial and residential area. The Site is currently razed, but formerly contained a sheet-steel commercial building, five single-family residences, a concrete slab, and various asphalt-paved areas. The Client plans to develop the Site for residential purposes. The Site, identified by San Diego County Assessor's Parcel Number (APN) 382-220-01, is located on the southeastern corner of Woodside Avenue and Marilla Drive in the community of Lakeside, San Diego County, California (Figure 1).

1.1 SITE INVESTIGATION HISTORY

In early 2004, Geocon conducted a preliminary Environmental Site Assessment (ESA) at the Site and determined that a UST was situated in the southwest quadrant of the Site. A subsurface ESA was conducted to evaluate the UST and other areas of potential concern identified during the preliminary ESA. The subsurface ESA included a geophysical subsurface utility-structure survey, and the collection of soil samples for laboratory analysis from four trenches and five soil borings. The soil borings were advanced near the UST. Soil samples collected from the trenches and soil borings advanced near the UST contained total petroleum hydrocarbons as gasoline (TPHg), as diesel (TPHd), and as motor oil (TPHm) at concentrations up to 2,300 milligrams per kilograms (mg/kg), 5,200 mg/kg, and 470 mg/kg, respectively. TPHd was primarily detected in soil samples from the trenches (which were excavated immediately adjacent to the UST). Based on these data, the soil impacted by TPHd appeared to be immediately below, and adjacent to, the UST, but did not appear to extend out laterally farther than 5 feet.

ERM was contracted to complete the soil excavation begun by Geocon. The soil excavation and disposal was initiated at the Site on 2 March 2005. An estimated 268 tons of soil containing both diesel fuel impacted and clean soil were stockpiled, loaded on end-dump trucks, and transported off-Site to the Candelaria Environmental Company (Candelaria), an approved soil recycling facility located in Anza, California. The approximate location of the soil excavation is shown on Figure 2. Excavation proceeded until soil containing significant TPHd concentrations had been adequately removed. Visual observations and confirmation samples that were collected and submitted to an on-Site

laboratory during the excavation process were used to evaluate the progress of soil removal.

1.2 *HYDROGEOLOGY*

There are no California Department of Water Resources (CDWR) wells located on the Site or its adjacent properties (CDWR, 2003). Based on general knowledge of the local hydrogeology in the area, groundwater beneath the Site was estimated to be between 25 and 35 feet bgs and is presumed to flow generally in a westerly direction, but may also have a component of flow in a northwesterly direction toward the San Diego River located 300 yards away. Groundwater depth and flow direction beneath the Site may vary due to the influence of pumping at nearby water supply wells.

ERM reviewed records for nearby properties maintained by the State Water Resources Control Board's online Geotracker database to estimate groundwater depth and flow direction at the Site. A Texaco service station, approximately 0.55 miles east of the Site, located on the northwest corner of Woodside Avenue and Wintergardens Boulevard, was the closest property identified with groundwater monitoring wells. Groundwater occurs at the Texaco site at a depth ranging from 25 to 32 feet bgs and flows approximately north at a groundwater gradient of 0.0146 feet/foot.

2.0 GOALS & OBJECTIVES

The primary objectives of the groundwater investigation are to:

1. Determine the site specific groundwater conditions in the vicinity of the underground storage tank excavation, including:
   a. Depth to the groundwater surface; and
   b. Local groundwater gradient
2. Determine whether there are any impacts to the groundwater quality as the direct result of operation of the underground diesel fuel storage tank at the Site.

3.0 SCOPE OF WORK

The scope of work for the groundwater investigation is described below.

3.1 PRE-MOBILIZATION AND MOBILIZATION

It is anticipated that pre-mobilization and site mobilization tasks will include the following:

- Prepare a Health and Safety Plan (HASP) for field operations;
- Obtain well permits for each of the four proposed groundwater monitoring wells;
- Conduct a utility survey of areas where groundwater monitoring wells will be installed;
- Clear and mark locations for groundwater well installation; and,
- Conduct a tailgate kick off meeting to familiarize all field personnel of the requirements of the HASP and the well installation and sampling procedures.

3.2 SOIL BORING AND SAMPLING

3.2.1 *Field Methods and Protocols*

The soil sampling work associated with the groundwater monitoring well installation will be performed utilizing the methods and protocols described below.

3.2.1.1 *Subsurface Utility Clearance*

Prior to initiating soil sampling activities, a subsurface utility clearance program will be conducted. ERM will review utility maps and site-specific information to identify underground structures and lines within each area. ERM will also contact Underground Service Alert (per the required clearance procedures), who will notify, verify, and locate all underground utilities in the proposed drilling areas. The drilling areas will be marked on the ground surface with white paint. As a final step, each area will be surveyed for the presence of subsurface utilities with

geophysical equipment, such as: ground penetrating radar, metal detectors, and electromagnetic devices.

3.2.1.2 *Soil Sampling and Preservation*

A drill rig equipped hollow-stem auger equipment will be utilized to collect soil samples. Soil samples will be collected at 5-foot intervals from each of the four borings. In the vicinity of the capillary fringe (approximately 25 to 30 feet bgs), samples may be collected at 1 to 2 foot intervals to evaluate the conditions encountered in the vicinity of the groundwater surface. The samples will be collected using a California-modified, split-barrel soil sampler inside the hollow-stem augers (lined with 6-inch brass tubes). The soil recovered at each sampling interval will be visually examined and classified according to the Unified Soil Classification System. A borehole log will be completed during sampling to record the vertical variations in lithology, relative moisture content, odor, color, and texture.

A field photoionization detector (PID) will be used to screen soil samples for potential volatile constituents. Soil samples will be sealed with Teflon sheets, capped, and properly labeled (including the time, date, location, project number, sampler name, sample depth, and a unique sample identification number). The samples will be placed in self-sealing plastic bags and temporarily stored on site in an ice-filled cooler at 4 degrees Celsius.

Chain-of-custody protocols (as outlined in Section 9.2.2.7, Chapter 9 of SW846 Update III) will be followed for all soil and groundwater samples selected for laboratory analysis. The Chain-of-Custody Form will accompany the samples from the sampling locality to the laboratory, providing a continuous record of possession prior to analysis.

A laboratory-certified by the State Department of Health Services, Environmental Laboratory Accreditation Program will be subcontracted for each analytical testing method to be used. Samples will be analyzed for volatile compounds, including methyl tert butyl ether (MtBE) using EPA Methods 8260B and TPH-diesel using EPA Method 8015B. The results will be used to establish the baseline soil conditions.

Chemical concentrations will be reported for constituents identified above maximum detection limits. Otherwise, the constituent will be indicated as trace and an estimated concentration will be provided. Appropriate corrective actions will be taken for any laboratory contamination or matrix

interference issues, and the corrective actions will be reported in support of analytical results.

A licensed, State of California contractor will survey the sampling locations for horizontal (1.0 foot tolerance) and vertical (0.1 foot tolerance) control relative to State Plane Coordinate System.

3.3 *GROUNDWATER MONITORING WELL INSTALLATION*

This task will include the installation of four monitoring wells in each of the four soil borings. The location of the wells was determined using an inside - out strategy starting near the downgradient margin of the source zone (excavated diesel fuel tank). One well will be located immediately downgradient of the tank excavation (north side). One well will be located on a line of sight from the tank excavation to the Riverview Water District water supply wells. Two additional wells will be installed downgradient of the excavation for purposes of defining the gradient at the site. The wells are shown on the Site Plan, Figure 2.

All downhole well materials will be decontaminated before use. The four new groundwater wells will be constructed of 4-inch diameter, Schedule 40 PVC casing with 0.020-inch machine-slotted screen and No. 3 sand filter pack. The wells will be completed at grade, fitted with a locking cap and enclosed within a traffic-rated well vault with a bolted cover. Following installation, the wells will be surveyed by a State-licensed land surveyor. Survey data will include horizontal coordinates in the California State Plane system and elevations in feet above mean sea level, to the nearest 0.01 feet.

A minimum of 72 hours after installation, the new wells will be developed by a combination of bailing, surging, and pumping to remove accumulated sediments. Water quality parameters including pH, temperature, conductivity, and turbidity, will be monitored at regular intervals during development. Development will be considered complete following removal of a minimum of ten casing volumes of water and stabilization of measured water parameters (values within 0.1 pH unit, 10 percent specific conductivity, and 1°Centigrade (C) between consecutive measurements).

3.4 *GROUNDWATER SAMPLING*

Data objectives, sampling procedures, and instrumentation to be used for monitoring groundwater conditions is described below.

3.4.1 *Groundwater Data Objectives*

A sampling program will be conducted to collect and analyze groundwater samples collected from the groundwater monitoring wells. These samples will be collected for laboratory analysis of contaminant concentrations.

3.4.2 *Groundwater Sampling Procedures*

Groundwater samples will be collected from the groundwater monitoring wells to provide data that will be a representation of local groundwater conditions. Prior to groundwater sample collection, groundwater monitoring wells will be purged with either a bailer or a peristaltic pump. If a peristaltic pump is used, the tubing will be constructed of Tygon. Bailers will be constructed of Teflon, steel, polyethylene, or PVC. An overview description of the tasks for sampling groundwater monitoring wells during the project includes:

- Prepare all tools, materials, and appropriate laboratory-prepared sample containers prior to sampling.
- Calibrate the pH/Eh/conductivity/turbidity meter/thermometer unit (Orion Model # 250A and Horiba Water Checker, Model # U-10, or equivalent) and dissolved oxygen meter C/SI Model # 57DO or equivalent).
- Obtain a depth to water measurement (ORS Interface Probe Q, or equivalent) then determine the volume of water in each well.
- Using a decontaminated pump or bailer, purge groundwater monitoring wells to the extent necessary to provide acceptable stability of field-measured parameters such as pH, Eh, conductivity, temperature, and turbidity. Purged water will be stored in drums on site. These drums will be properly labeled with the drum contents, date, and any appropriate hazard identification labels. Record values of all field-measured parameters on field data forms prepared for the remediation project.
- Obtain water from the sampling pump or using a clean polyethylene, steel, PVC or Teflon bailer and monofilament line. Collect water samples for contaminant analyses of semi-volatile organic compounds

(SVOCs), including PAHs, in one quart (~ 1 liter) amber glass jars. Water samples collected for VOC analyses will be collected in VOA vials, capped with Teflon™ septa lids.

- Label sample containers and complete the chain-of-custody.
- Properly preserve and transport the samples. Samples will be placed on ice in an ice chest for transport. Groundwater samples will be transported to a State-certified analytical laboratory within 24 hours of collection.
- Log sample information on field data forms prepared for the remediation project.

3.5 *LABORATORY ANALYSES*

In addition to field measurements, groundwater samples will be collected from monitoring wells for analysis at an off site laboratory. Groundwater samples for off-site laboratory analysis will be collected on a quarterly basis. Groundwater samples will be transported to a California-certified hazardous waste laboratory for chemical analysis for:

- Volatile organic compounds (VOC) using EPA methods 8260, and
- TPH-gas and TPH-diesel using EPA method 8015 modified

3.6 *CHAIN-OF-CUSTODY PROCEDURES*

The samples will be documented through a chain-of-custody form. In addition to this form, the project field geologist or field engineer will maintain a field logbook. The information to be kept in the log includes, but is not limited to, the following:

- Site name
- Sampling dates/times
- Sample numbers
- Sample types
- Analyses to be performed
- Field observations
- Names of all personnel present
- Record of field activities

3.7 *CERTIFIED LABORATORY*

An independent California-certified analytical laboratory will be utilized for all laboratory analyses. Laboratory personnel will log all incoming samples and identify personnel assigned responsibility for the chain-of-custody procedures.

Calibration procedures for laboratory equipment will be followed as specified by the test methodology. Data quality will be assessed throughout the project by sample spikes to evaluate possible interference's and laboratory repeatability, and to establish levels of detection.

3.8 *MANAGEMENT OF WASTE STREAMS*

All investigation-derived waste materials will be collected and stored on site in a designated location, in properly labeled drums or bulk containers, pending laboratory profiling and proper disposal. Waste manifests will be prepared for proper transport and disposal/recycling. Appropriate strategies for handling, storage, and disposal of these materials will be implemented, and are discussed below.

3.8.1 *Soils and Drill Cuttings*

Waste soils and drill cuttings will be containerized for each boring location, then transported to a local temporary storage area. Waste soils will be first screened using an organic vapor analyzer (OVA). Materials suspected of containing VOC constituents would be segregated from materials that are believed to be clean. Representative soil samples will be collected and analyzed for the presence of VOCs using EPA Method 8260 and 8270. If concentrations of constituents of concern exceed screening levels set forth as part of the Toxicity Characteristic Leaching Procedure (TCLP) and/or California Code of Regulations (CCR) Title 26, the waste will be handled as a hazardous material, manifested, and transported to a permitted disposal facility.

3.8.2 *Well Development Wastewater*

Well development liquids from wells will be containerized for each well, then transported to a local temporary storage area. The Client will coordinate final disposition of well development wastewater.

3.9 *DATA EVALUATION AND REPORT PREPARATION*

Following completion of the field activities, ERM will review and evaluate field observations and analytical data. A complete report of the findings will then be prepared and submitted to DEH for review and approval. The report when completed will:

- Provide an executive summary of the major aspects of the site;
- Summarize field investigation activities and methods used, including any deviations from this Workplan; and
- Present all field data and analytical results generated from soil and groundwater sampling, including tabulated summaries, boring and well construction logs, and laboratory data reports.

4.0 SCHEDULE

Key milestones for groundwater investigation in 2005 are presented as follows:

- June 27 – Work Plan submitted to DEH;
- July 11 – DEH approves Work Plan;
- July/August – Conduct field work and complete analytical testing;
- August 31 - Submit final report.

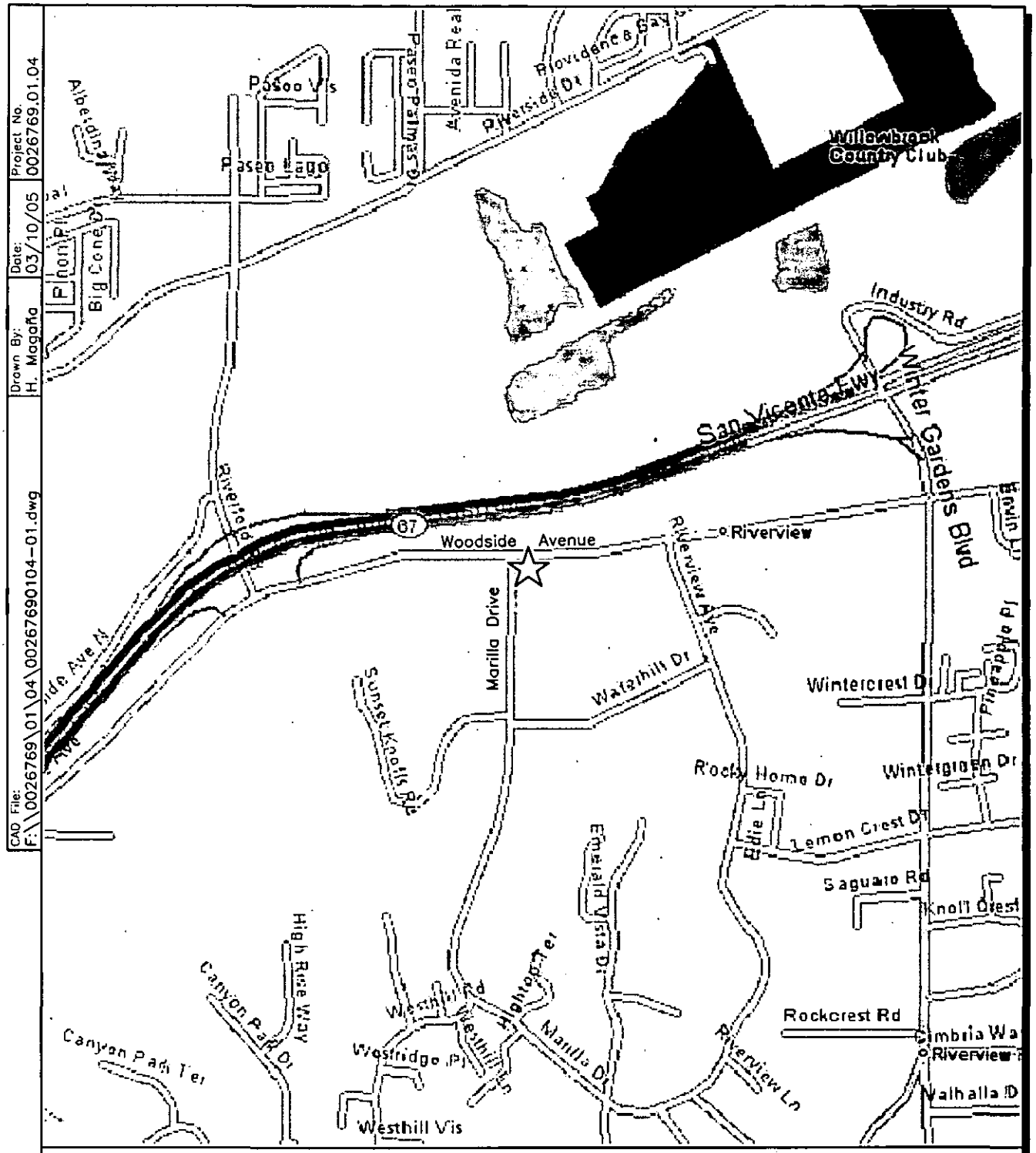


Figure 1
Site Vicinity Map
11719-11749 Woodside Avenue
Lakeside, California
ERM 04/05

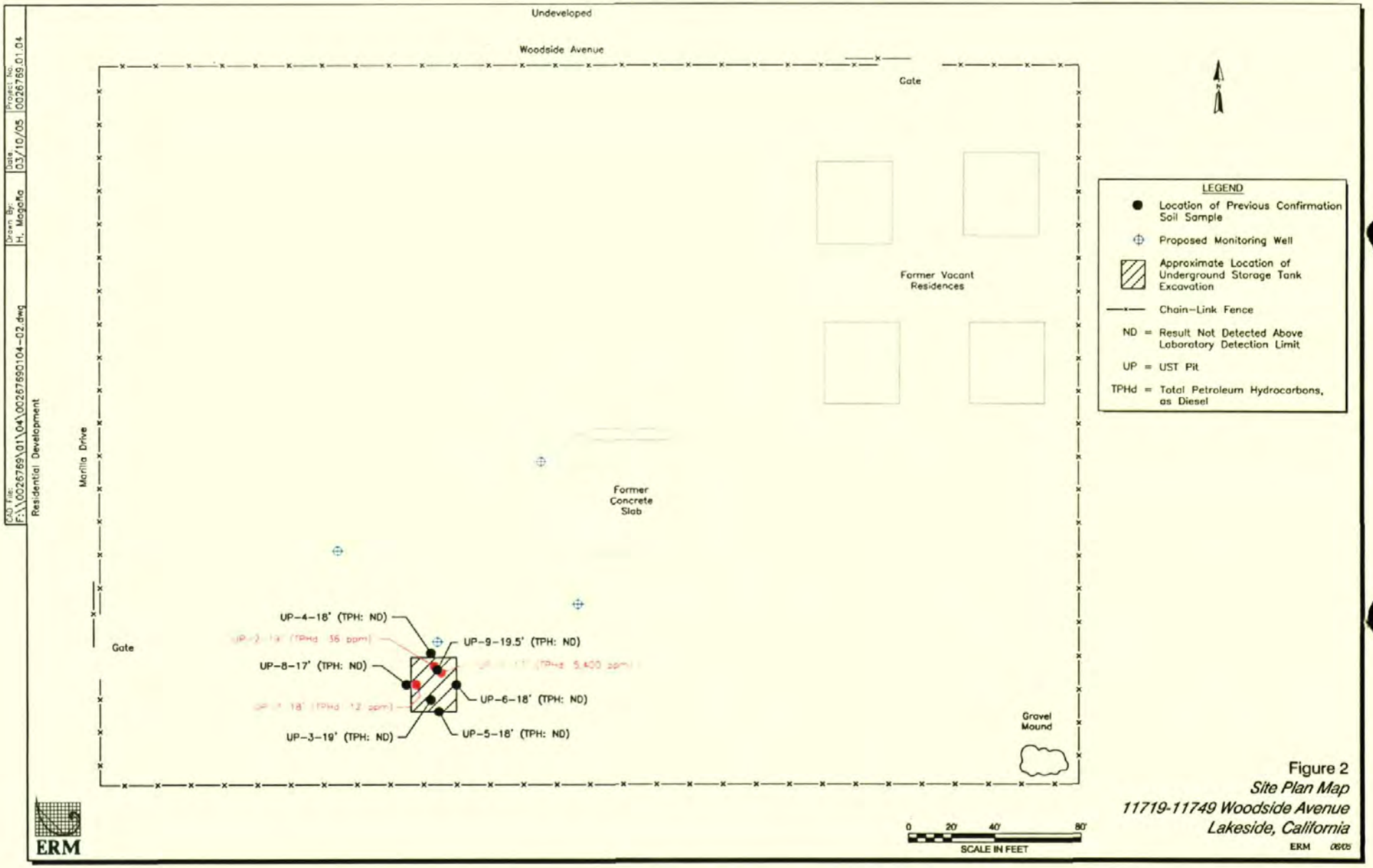


Figure 2
Site Plan Map
11719-11749 Woodside Avenue
Lakeside, California
ERM 0605

Environmental
Resources
Management

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Santa Ana, CA 92707
(714) 430-1476
(714) 436-2940 (fax)

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13 April 2005

VIA FEDERAL EXPRESS

Mr. Robert Rapista
County of San Diego
Department of Environmental Health
Underground Storage Tank Program
1255 Imperial Avenue, 3rd Floor
San Diego, California 92101

Subject: Transmittal of Report
UST Excavation Closure Report
11719-11749 Woodside Avenue,
Lakeside, San Diego County, California

Dear Mr. Rapista:

ERM-West, Inc. (ERM) is submitting this Underground Storage Tank (UST) Excavation Closure Report (Report) on the behalf of Woodside Avenue Investors, LLC. The activities described in the Report were conducted by ERM to complete the work initiated by Geocon Consultants, Inc. under the *Workplan for Post-Tank Removal Investigation.* The work was supervised by Mr. Jay Dablow (C.E.G. 1032) and Ms. Dina Kourda (C.E.G. 2281).

The fieldwork consisted of excavation, transportation, and landfill disposal of diesel fuel-impacted soil. As described in the attached Report, impacted soils were excavated by a large track-mounted excavator. An onsite mobile laboratory was used to provide the confirmation soil sample analysis. All visually (and easily discernable) impacted soil was removed from the UST excavation to a depth of approximately 19 feet below ground surface, stockpiled, analyzed for diesel fuel impacts, and transported to a soil recycling facility. Non-detectable concentrations of petroleum hydrocarbons in confirmation samples from the four sidewalls and the bottom (two samples were analyzed from the north and south end) were used to demonstrate that soil removal was completed. The details of the

Based on a review of local groundwater conditions at sites with similar physiographic characteristics within 0.55 miles of the site, the highly dense nature of the clayey sandy soils observed in the bottom and sides of the excavation, and the lack of any indication of capillary conditions in the excavation, it is ERM's opinion that the diesel-impacted soils have been fully excavated and that groundwater is unlikely to have been impacted at the site. Therefore, we request that the site be closed and that a *no further action* letter be issued for the site. If you have any questions or comments concerning the UST Excavation Closure Report, please contact either Ms. Dina Kourda or Mr. Jay Dablow at (714) 430-1476.

Sincerely,

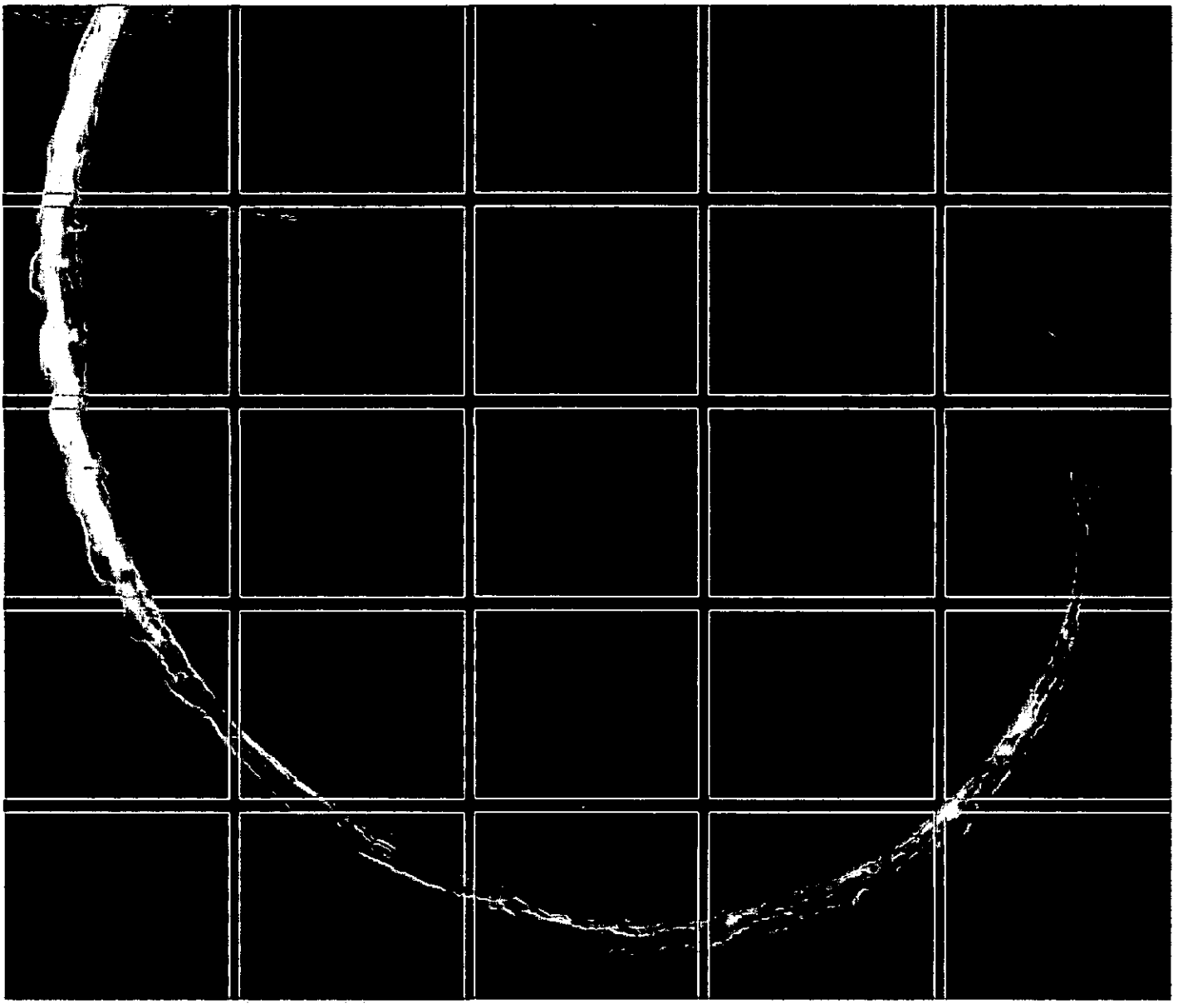
Dina Kourda, C.E.G. #2281
Project Manager

Colin P. Young, CIH
Principal-in-Charge

Jay Dablow, C.E.G. #1032
Technical Director

Attachment - UST Excavation Closure Report

cc: Mr. Bradley J. Tuck



UST Excavation Closure Report

Woodside Avenue Investors, LLC

April 2005

www.erm.com

ERM's San Diego Office
2251 San Diego Avenue, Suite B208
San Diego, California 92110
www.erm.com

Woodside Avenue Investors, LLC

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UST Excavation Closure Report

April 2005

11719-11749 Woodside Avenue,
Lakeside, San Diego County, California

Colin Young, CIH
Principal-in-Charge

John F. Dablow III, C.E.G.
Technical Director

Dina Kourda, C.E.G.
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1.0 INTRODUCTION

Woodside Avenue Investors, LLC and PDIT Investment, LLC (collectively, the "Client") retained ERM-West, Inc. (ERM) to conduct soil remediation at 11719-11749 Woodside Avenue, Lakeside, San Diego County, California (the "Site") (see Figure 1). This remediation involved the excavation of diesel-impacted soil associated with a former underground storage tank (UST) at the Site.

The general approach for soil remediation at the Site was outlined in ERM's Proposal for Environmental Support dated 18 December 2004. ERM's field activities involved the continuation of soil remediation that Geocon Consultants, Inc. (Geocon) initiated in 2004 under its *Workplan for Post-Tank Removal Investigation* (Workplan), a copy of which is included as Appendix A. Consistent with Geocon's initial approach, as indicated in the Workplan, ERM proposed excavation as the most feasible strategy for soil remediation at the Site, based on the Client's schedule for Site development and other Site-specific constraints. The Client conceptually concurred with soil excavation as being the most feasible soil remediation method for the Site.

1.1 PROJECT BACKGROUND

The background for this project is summarized below, including a description of the Site setting, history, results of previous investigation and remediation activities, and proposed development.

1.1.1 Site Description and History

The Site description and historical information presented herein is based, in part, on information provided by Geocon for work completed in 2004.

1.1.1.1 Site Description

The Site consists of a rectangular parcel of land occupying approximately 4 acres in a mixed commercial and residential area. The Site is currently razed, but formerly contained a sheet-steel commercial building, five single-family residences, a concrete slab, and various asphalt-paved areas. The Client plans to develop the Site for residential purposes. The Site, identified by San Diego County Assessor's Parcel Number (APN) 382-220-01, is located on the southeastern corner of Woodside Avenue and

Marilla Drive in the community of Lakeside, San Diego County, California (Figure 1).

The Site is at an elevation of approximately 390 feet above mean sea level. The proximate topography is nearly flat, but slopes slightly to the northwest.

1.1.1.2 Site History

In early 2004, Geocon conducted a preliminary Environmental Site Assessment (ESA) at the Site. During this study, Geocon determined that a UST was situated in the southwest quadrant of the Site.

Geocon conducted a subsurface ESA at the Site between 19 March and 17 June 2004 to evaluate the UST and other areas of potential concern identified during the preliminary ESA. The subsurface ESA included a geophysical subsurface utility-structure survey, and the collection of soil samples for laboratory analysis from four trenches (TN-1, TS-1, T5, and T4/TW-1) and five soil borings (GB-1 through GB-5) advanced in proximity to the UST. The soil borings were advanced near the UST. All of the soil borings were terminated just shy of 20 feet below the ground surface (bgs), the depth at which regulatory permitting would be required.

Soil samples collected from the trenches and soil borings advanced near the UST contained total petroleum hydrocarbons as gasoline (TPHg), as diesel (TPHd), and as motor oil (TPHm) at concentrations up to 2,300 milligrams per kilograms (mg/kg), 5,200 mg/kg, and 470 mg/kg, respectively. TPHd was primarily detected in soil samples from the trenches (which were excavated immediately adjacent to the UST), although soil boring GB-3 contained a TPHd concentration of 370 mg/kg. Based on these data, the soil impacted by TPHd appeared to be immediately below, and adjacent to, the UST, but did not appear to extend out laterally farther than 5 feet.

1.1.2 Regulatory Oversight

Geocon subsequently removed the UST from the Site, and then excavated visually-stained soil from immediately beneath the UST. Confirmation soil samples were collected from the excavation under the oversight of the County of San Diego Department of Environmental Health (DEH). Soil was excavated to a depth of approximately 14 feet bgs, which represented the maximum depth that could be excavated with the equipment being used at the time. A confirmation sample collected at that maximum

excavation depth contained a TPHd concentration of approximately 400 mg/kg, which was roughly an order of magnitude lower than had been detected in soil samples collected near the base of the UST.

The soil excavation was conducted in accordance with the Workplan dated 11 November 2004, which Geocon submitted to DEH. Since the excavation equipment Geocon was using at the Site had reached its maximum excavation depth (14 feet bgs), it would be necessary to return to the Site with a different piece of equipment to excavate beyond this depth. Consequently, Geocon backfilled the UST excavation with the same soil that had been removed to avoid any potential hazard associated with an open excavation.

1.2 *GEOLOGY AND HYDROGEOLOGY*

The Site is situated in the Peninsular Ranges province of Southern California (Norris and Webb, 1990). The province encompasses an area that extends 125 miles from the Transverse Ranges and the Los Angeles Basin south to the Mexican Border and beyond another 775 miles to the southern tip of Baja California. The province generally consists of rugged mountains underlain by Mesozoic igneous and metamorphic rocks to the east and a dissected coastal plain underlain by Cenozoic sediments to the west. The province varies in width from approximately 30 to 100 miles, and is traversed by a group of sub-parallel fault zones trending roughly northwest.

The Site appears to be underlain by Mesozoic granitic rocks (California Divisions of Mines and Geology, 1962.) This formation consists of Woodson Mountain Granodiorite that is light in color. Local Site geology below 10 feet consists of semi-consolidated cemented sandy silt, clayey sand and silty sand.

There are no California Department of Water Resources (CDWR) wells located on the Site or its adjacent properties (CDWR, 2003). Based on general knowledge of the local hydrogeology in the area, groundwater beneath the Site was estimated by Geocon to be between 25 and 35 feet bgs and is presumed to flow generally in a westerly direction, but may also have a component of flow in a northwesterly direction toward the San Diego River located 300 yards away. Groundwater depth and flow direction beneath the Site may vary due to proximity to creeks and streams, local irrigation practices, seasonal rainfall, and fracture systems in the underlying bedrock units.

ERM reviewed records for nearby properties maintained by the State Water Resources Control Board's online Geotracker database to estimate groundwater depth and flow direction at the Site. A Texaco service station, approximately 0.55 miles east of the Site, located on the northwest corner of Woodside Avenue and Wintergardens Boulevard, was the closest property identified with groundwater monitoring wells. Groundwater occurs at the Texaco site at a depth ranging from 25 to 32 feet bgs and flows approximately north at a groundwater gradient of 0.0146 feet/foot.

2.0 SCOPE OF WORK

The scope of work for soil remediation was to identify and excavate TPH-impacted soil in proximity to the former UST excavation, backfill and compact the excavation, and coordinate transportation and proper disposal of the non-hazardous TPH-impacted soil generated during the remediation process.

2.1 PRELIMINARY ACTIVITIES

The activities described below commenced prior to actual on-Site field activities.

2.1.1 Permitting

ERM evaluated permitting needs and determined that an excavation permit would not be necessary because the excavation was not expected to encounter groundwater or be advanced beyond the 20 feet bgs permitting threshold. ERM did not secure a workplan for soil excavation because DEH indicated that ERM could continue to work under the 11 November 2004 Workplan secured by Geocon.[1]

Who? How communicated?

2.1.2 Health and Safety Plan

Needed Communic

ERM prepared a Site-specific health and safety plan (HASP). The HASP defined potential physical and chemical hazards associated with field activities, and described procedures and guidelines designed to facilitate the safe implementation of these activities.

2.2 SOIL EXCAVATION

ERM's soil excavation and disposal was initiated at the Site on 2 March 2005. An estimated 268 tons of soil were stockpiled, loaded on end-dump trucks, and transported off-Site to the Candelaria Environmental Company (Candelaria), an approved soil recycling facility

[1] Verbal communication with Ewan Moffat of DEH Site Assessment and Mitigation Program, and Robert Rapista of DEH Underground Storage Tank Program

located in Anza, California. Non-hazardous waste manifests are included in Appendix B.

The approximate location of the soil excavation is shown on Figure 2. Excavation proceeded until soil containing significant TPHd concentrations had been adequately removed. Visual observations and confirmation samples that were collected and submitted to an on-Site laboratory during the excavation process were used to evaluate the progress of soil removal.

2.2.1 *Soil Excavation*

Soil was excavated using a suitable backhoe equipped with an extendahoe arm or excavator (also known as a trackhoe) to a maximum depth of 19.5 feet bgs across the excavation bottom.

ERM excavated both the TPH-impacted soil Geocon used to backfill the excavation and that which existed beyond Geocon's 14-foot maximum depth. Because Geocon's original excavation was not marked or surveyed, ERM excavated multiple exploratory trenches in an attempt to identify the limits of the original excavation before finally locating the boundaries of Geocon's TPHd-impacted backfill. This process resulted in the production of clean soil generated from outside of the limits of TPH-impacted soil, and the clean soil was stockpiled separately. The boundary between TPH-impacted soil and clean soil was visually apparent based on color characteristics; TPH-impacted soil was typically gray whereas non-impacted soil was brown.

As the impacted soil was excavated, ERM periodically collected confirmation soil samples from the sidewalls of the excavation using the excavator bucket to verify the visual inspection of the soil. An on-Site mobile laboratory analyzed these soil samples for TPHd, TPHg, and TPHm. A sample collected at 17 feet bgs (UP-1-17) was found to contain 5,400 mg/kg of TPHd. Additional soil was then excavated. Visual evidence indicated that the vertical extent of diesel fuel impacts was apparently reached at a depth of approximately 18 to 19 feet bgs. The TPHd analytical results from four sidewall and two bottom soil samples that were then collected indicated that only a small area in the northwest corner of the excavation defined by one sidewall sample (UP-7-18: 12 mg/kg) and one bottom sample (UP-2-19: 36 mg/kg) had TPHd results above non-detectable levels. This area was excavated an additional approximately 1 vertical foot and 2 lateral feet, and then resampled. The resulting analyses, as shown on Figure 2, were used to demonstrate that the full extent of impacted soil with TPHd concentrations above

laboratory detection limits had been defined, excavated, and removed from the Site. ERM also recorded the Site conditions with notes and photographs to document the impacted soil removal. Site photographs are provided in Appendix C.

2.3 *STOCKPILING*

Soil previously excavated (and then backfilled by Geocon) from the upper 14 feet of the excavation, and additional soil excavated by ERM between 14 and 19.5 feet bgs, was temporarily stockpiled pending characterization for off-Site disposal.

Special care was taken when excavating clean soil from exploratory trenches to ensure that this soil was isolated from the potentially-impacted soil. The TPH-impacted soil was stockpiled for off-Site disposal. Accordingly, the clean material remained on Site and was subsequently used during backfilling operations.

2.3.1 *Clean Import Material*

Due to the substantial amount of TPH-impacted soil excavated from the Site, clean select material was imported, stockpiled, and covered with Visqueen in a clean-soil staging area located adjacent to the excavation for use as backfill.

2.3.2 *Impacted Soil Stockpiling*

Soil assumed to be impacted, based on its visual appearance, depth, obvious odor, photoionization detector (PID) screening levels and laboratory results, was stockpiled in a designated staging area.

2.3.3 *Stockpile Profiling*

ERM profiled the soil stockpiles that were assumed to be impacted. Stockpile profiling involved the collection and analysis of four composite samples from the impacted stockpile, with the sample frequency and analyses contingent upon the receiving facility's profiling requirements. The four profile samples were analyzed for TPH carbon chain.

2.4 *SOIL SAMPLING METHODOLOGY*

ERM excavated soil at the former UST location to a maximum depth of approximately 19.5 feet bgs using a backhoe equipped with an extendahoe arm and an excavator (also known as a trackhoe). Confirmation grab soil samples were collected approximately 2 feet below the suspected lower limits of TPH-impacted soil, and approximately 1 foot laterally outside the impacted area. Discreet soil samples were collected from the excavation bottom or sidewalls using the backhoe/trackhoe bucket, and packed into 4-oz glass jars with plastic screw caps to provide an airtight seal. Jars were labeled with the sample identification number, date, time, and project number and then transported to an on-Site mobile laboratory for immediate analysis. Chain-of-custody forms, provided in Appendix D, were completed at the time of sampling and accompanied the samples to the laboratory.

2.5 *FIELD SCREENING*

The recovered excavated soil was screened in the field with a PID and personal DataRAM (pDR) to determine the concentration of organic vapors and dust in the breathing zone, respectively. The total organic vapor concentration in the breathing zone was measured with a PID that had been calibrated to 100 parts per million isobutylene. Measurements were recorded in the field notes. Based on the results of visual inspection and the PID measurements, excavation continued or was halted and the sidewalls/bottom were then sampled to confirm that the limits of impacted soil were reached.

2.6 *ANALYTICAL METHODS*

All soil samples collected from the former UST excavation were immediately delivered to the on-Site mobile laboratory.

Confirmation soil samples from the excavation were analyzed for TPH carbon chain using U.S. Environmental Protection Agency (EPA) Method 8015. Soil samples were selected for analysis to evaluate the lateral and vertical extent of impacted soil, and confirm that such soil was effectively removed.

2.7 *QUALITY ASSURANCE/QUALITY CONTROL*

Quality assurance/quality control (QA/QC) procedures were utilized during the excavation activities and sampling process to provide a system of checks designed to minimize errors and to ensure that all work was of the highest reasonable quality. These QA/QC procedures were performed to ensure that the field samples obtained were precise and representative of actual field conditions.

Field QA/QC procedures for soil excavation and sampling included the following:

- Calibrating the pDR and PID prior to field activities;
- Changing into clean gloves prior to soil sampling; and
- Preparing all sample labels carefully and cross comparing them against chain-of-custody lists and field notes.

2.8 *SAMPLE NOMENCLATURE*

Samples were named based on their locations and depth. All confirmation samples from the UST excavation are indicated with a "UP" standing for UST pit, followed by the sample depth. Soil samples collected from the stockpiles for profiling purposes were designated SP-01 through SP-04.

2.9 *CONFIRMATION SOIL SAMPLING*

Very general

Soil removal in any portion of the excavation was generally considered complete when TPHd concentrations exceeding the on-Site laboratory detection limit had been adequately removed. When impacted soil appeared to have been adequately removed based on PID results, visual inspection, and odor, ERM collected pit-bottom and sidewall samples. The purpose of confirmation soil sampling was to confirm the removal of all significantly impacted soil beneath the Site.

Confirmation soil samples were hand delivered to H&P Mobile Geochemistry (H&P) of Solana Beach, a California-certified analytical laboratory, and analyzed for TPH carbon chain using EPA Method 8015 modified. H&P is accredited under the California Department of Health Services Environmental Laboratories Accreditation Program (ELAP).

A total of nine confirmation samples were collected and analyzed for TPH carbon chain (Figure 2) at the former UST excavation. TPH was not detected in six of these samples. One of the remaining three samples (UP-1-17) located in obviously impacted soil contained a TPHd concentration of 5,400 mg/kg. Additional soil was excavated in the vicinity of UP-1-17, and a follow-up confirmation sample collected at 19 feet bgs at this same location (UP-2-19), contained 36 mg/kg. Additional soil was removed in this same location, and a third confirmation sample (UP-9-19.5) did not contain a TPHd concentration above the laboratory detection limit.

Sidewall sample UP-7-18 (collected on the west wall of the excavation) contained a detectable, but low TPHd concentration of 12 mg/kg. Additional soil was excavated laterally in this direction in this immediate area, and a follow-up sidewall sample (UP-8-17) did not contain TPHd concentrations above laboratory detection limits.

The locations of the confirmation soil samples are illustrated on Figure 2. The analytical results for confirmation soil samples are summarized in Table 1. Copies of the laboratory reports and chain-of-custody records for these samples are included in Appendix D.

2.10 *BACKFILLING AND COMPACTION*

The excavation was initially backfilled with clean select material that was imported and stockpiled adjacent to the excavation, supplemented with clean on-Site borrow material, and compacted in approximate 6-inch lifts using a sheep's foot roller attachment at the end of the excavator arm. The backhoe pushed clean backfill from the ground surface into the excavation as the excavator spread even lifts across the bottom of the excavation.

Shepardson Engineering Associates, Inc. (Shepardson) of Santee, California provided observation and compaction testing. Field density tests conducted at seven locations within the excavation in accordance with American Society for Testing and Materials (ASTM) D-1556-00 and/or ASTM 2922-96 indicated relative compaction ranging from 91 to 98 percent. A copy of Shepardson's compaction report is included as Appendix E.

2.11 *WASTE DISPOSAL*

ERM coordinated the disposal of TPH-impacted soil at the Site. The elements of this task included the profiling of soil stockpiles from the UST area and coordination of the subsequent transportation to an appropriate off-Site facility for disposal. Candelaria was selected for soil recycling.

The excavated soil that was obviously TPH-impacted based on visual appearance and depth of collection was stockpiled and subsequently loaded onto trucks for transport to the off-Site recycling facility. Other less impacted soil, due to mixing during the over-excavation that had the potential to exceed laboratory detection limits, was stockpiled on Site for soil profiling. Four soil samples (SP-01 through SP-04) were collected from the UST soil stockpile for profiling and disposal purposes. Three of the four samples exceeded the laboratory detection limit and as a result, the entire stockpile was subsequently transported to the Candelaria facility in Anza, California for bioremediation treatment on 17 March 2005. Copies of the analytical laboratory reports and chain-of-custody records are included in Appendix D.

TPH-impacted soil, requiring off-Site disposal, was transported under manifest by a licensed hazardous waste transporter to Candelaria. A total of approximately 268 tons of TPHd-impacted soil mixed with clean overburden and clean sidewall soil excavated to facilitate the construction of the deep excavation was removed from the Site and transported to this facility. Copies of Non-Hazardous Waste Manifests are included in Appendix B, along with a Certificate of Soil Recycling issued by Candelaria.

3.0 SOIL SAMPLE RESULTS

There were nine confirmation soil samples collected from the UST excavation. As indicated in Table 1, TPHd was not detected in most of the soil samples collected during excavation. However, three soil samples contained detectable concentrations of TPHd. These detections are not surprising, since the pit was over-excavated within the boundaries of the former Geocon excavation. As previously noted, additional soil excavation was performed at these sample locations and subsequent soil sampling confirmed that the impacted soil above laboratory detection limits had been removed.

The results of chemical analysis of soil samples collected at the excavation and soil profiling are summarized on Table 1. Copies of the laboratory data sheets and chain-of-custody records for these soil samples are included in Appendix D.

3.1 TOTAL PETROLEUM HYDROCARBONS

TPHd was detected in three samples at concentrations above the laboratory detection limit at the UST excavation. The highest concentration was contained in UP-1-17 at 5,400 mg/kg, which was located in diesel-stained soil. The soil in this area was over-excavated and the TPHd concentration in a follow-up soil sample did not exceed the laboratory detection limit.

3.2 STOCKPILE RESULTS

The results of soil profiling indicated that the UST stockpiled soil exceeded the laboratory detection limit in three of the four samples ranging from 15 to 110 mg/kg. Consequently, because the stockpile was mixed, the entire quantity was transported to Candelaria for disposal. Any soil generated from the exploratory trenches outside of the bounds of the original excavation remained on Site for subsequent backfilling.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The results of the work conducted at the Site are summarized below.

- Groundwater or evidence of the capillary fringe was not encountered in the excavation.
- Soil beneath the former tank excavation was highly dense sandy silt, clayey sand and silty sand.
- A distinct color change from gray to brown, that was apparently associated with the contact between TPH-impacted material and non-impacted material, was observed at approximately 18 feet bgs.
- A TPHd concentration of 5,400 mg/kg was detected in one soil sample collected from the gray-stained soil at a depth of 17 feet bgs. However, the remainder of the stained soil was subsequently excavated, exposing brown soil at the base of the excavation that was characteristic of non-impacted material. A follow-up confirmation soil sample collected at this location contained TPHd concentrations below the laboratory detection limit.
- TPHd-impacted soil mixed with clean soil produced during the excavation process was stockpiled and transported to Candelaria for soil recycling.
- Based on the results of final confirmation sampling conducted at the Site, all soil containing concentrations of TPHd above laboratory detection limits was removed from the Site.
- The excavation was backfilled. Field density tests conducted at seven locations within the excavation in accordance with American Society for Testing and Materials (ASTM) D-1556-00 and/or ASTM 2922-96 indicated relative compaction ranging from 91 to 98 percent.

There are no environmental concerns that pose a risk to groundwater, human health, or the environment in the vicinity of the UST release area because TPH-impacted soil has been removed from the Site. Accordingly, ERM requests that DEH, as the local agency, issue a letter of closure with a recommendation for *No Further Action* related to the TPHd release to soil in the former UST area.

5.0 *REFERENCES*

California Department of Conservation, Division of Mines and Geology. (1962). *Geologic Map of California, San Diego-El Centro Sheet.*

California Department of Water Resources. (2003). Water Data Library Homepage [online]. Available: http://wdl.water.ca.gov/

Geocon Consultants, Inc. *Workplan for Post-Tank Removal Investigation* dated 11 November 2004.

Norris, R.M. and Webb, R.W. (1990). *Geology of California* (2nd ed.). New York: John Wiley & Sons, Inc.

State Water Resources Control Board (2005). Geotracker homepage. [Online]. Available http://geotracker.swrcb.ca.gov/reports/

United States Geological Survey. (1997). *El Cajon, California 7.5' Quadrangle (Scale 1:24,000).* Photo revised 1975.

Figures

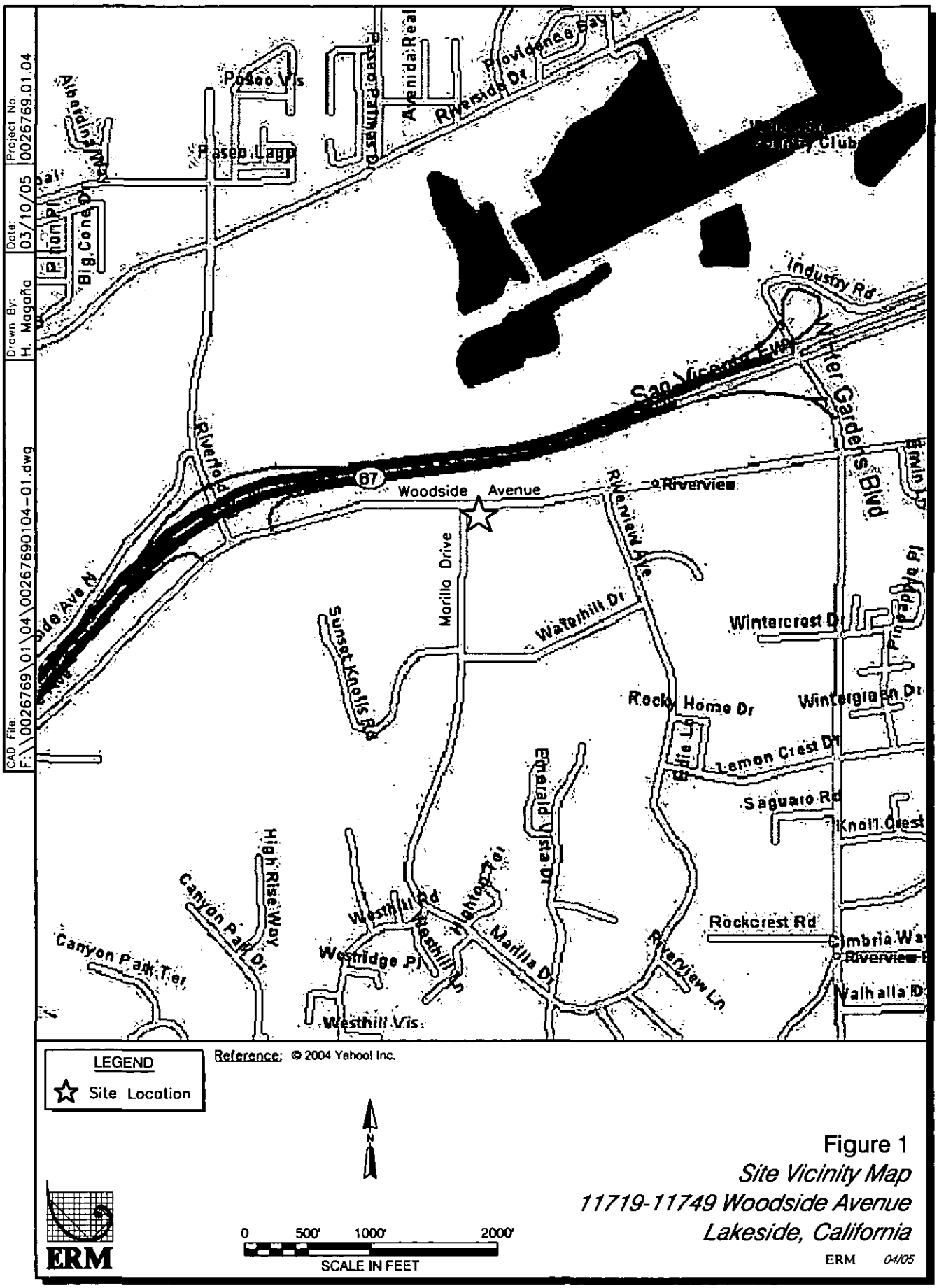


Figure 1
Site Vicinity Map
11719-11749 Woodside Avenue
Lakeside, California
ERM 04/05

CAD File: F:\0026769\01\04\0026769010 4-02.dwg
Residential Development

Drawn By: H. Magaña | Date: 03/10/05 | Project No. 0026769.01.04

Undeveloped

Woodside Avenue

Gate

Former Vacant Residences

Former Concrete Slab

Marilla Drive

Gate

Gravel Mound

(TPHd: 36 ppm) UP-2-19'

UP-4-18' (TPH: ND)

UP-9-19.5' (TPH: ND)

(TPH: ND) UP-8-17'

UP-1-17' (TPHd: 5,400 ppm)

UP-6-18' (TPH: ND)

(TPHd: 12 ppm) UP-7-18'

(TPH: ND) UP-3-19'

UP-5-18' (TPH: ND)

N

LEGEND

- Approximate Location of Underground Storage Tank Excavation
- —x— Chain-Link Fence
- ND = Result Not Detected Above Laboratory Detection Limit
- UP = UST Pit
- TPHd = Total Petroleum Hydrocarbons, as Diesel

0 20' 40' 80'

SCALE IN FEET

ERM

Figure 2
Site Plan Map
11719-11749 Woodside Avenue
Lakeside, California

ERM 04/05

Table 1 Laboratory Results of Analysis of Soil Samples at the UST Excavation
TPH and Volatile Organic Compounds
11719-11749 Woodside Avenue, Lakeside, California

Sample Identification	Depth (feet bgs)	Date Sampled	EPA Method 8015M (mg/kg)		
			TPHg (C5-C11)	TPHd (C12-C24)	TPHm (C25-C36)
SP-01	-	3/6/2005	NA	<5.0 *	NA
SP-02	-	3/6/2005	NA	15 *	NA
SP-03	-	3/6/2005	NA	19 *	NA
SP-04	-	3/6/2005	NA	110 *	NA
UP-1-17	17	3/2/2005	<10	5,400	<25
UP-2-19	19	3/3/2005	<10	36	<25
UP-3-19	19	3/3/2005	<10	<10	<25
UP-4-18	18	3/3/2005	<10	<10	<25
UP-5-18	18	3/3/2005	<10	<10	<25
UP-6-18	18	3/3/2005	<10	<10	<25
UP-7-18	18	3/3/2005	<10	12	<25
UP-8-17	17	3/3/2005	<10	<10	<25
UP-9-19.5	19.5	3/3/2005	<10	<10	<25

Notes:

< = Result not present above the reporting limit

- = Not applicable

* = Theses samples within C7-C36 range

Abbreviations:

bgs = Below ground surface

EPA = United States Environmental Protection Agency

mg/kg = Milligrams per kilogram

NA = Not analyzed

SP = Stockpile

TPHd = Total petroleum hydrocarbons for diesel

TPHg = Total petroleum hydrocarbons for gasoline

TPHm = Total petroleum hydrocarbons for motor oil

UP = UST pit

UST = Underground storage tank

Appendix A

Geocon's Workplan for Post-Tank Removal Investigation for Department of Environmental Health

COUNTY OF SAN DIEGO

STORMWATER MANAGEMENT PLAN FOR UNDERGROUND STORAGE TANK PERMITS

(For All Permits Issued In The Unincorporated County)

DEH

SECTION 1. Required Information

Establishment Number: _____	Plan Check #_____
Site Name: 11719-11749 WOODSIDE AVENUE	Name of project contact: MR. BRAD TUCK
Site Address: 11719-11749 WOODSIDE AVENUE, LAKESIDE	Phone # of project contact: (619) 300-9444

Estimated excavation area: 75 Cu. Yds. Please Note: Excavations greater than 5,000 cubic yards and/or grading [illegible] require a Conditional Permit from the County Department of Planning and Land Use (858) 565-5981.

Grading Permit # _____ (If applicable)

SECTION 2. Best Management Practices

The goal of stormwater management planning is to reduce pollution to the maximum extent practicable using Best Management Practices (BMPs). Erosion of disturbed soil must be prevented. Construction-related materials, sediment, wastes, spills, and residues must be retained on site to minimize transport from the site to streets, drainages, receiving waters, and adjacent properties by wind or runoff. It is the responsibility of project proponents to determine the types of BMPs that will be used, as well as the levels of application necessary to comply with the County's Stormwater and Grading Ordinances. For more information regarding BMPs, please call **(888) 846-0800** or go the web address: **http://www.co.san-diego.ca.us/deh/lwq/stormwater/construction.html**

Minimum Best Management Practice Requirements.

1. Adequate perimeter protection BMPs must be installed and maintained. The perimeter of the cleared/graded area must be protected to prevent the discharge of stormwater pollutants. At lease one of the following BMPs must be installed: Silt Fence; Straw Wattles; and/or Gravel Bags.
2. Adequate sediment control BMPs must be installed and maintained
3. Adequate BMPs to control off site sediment tracking must be installed and maintained. These BMPs include stabilized construction entrances/exits and construction road stabilization.
4. Areas for material storage shall be either under roof or be able to be covered with plastic or tarp prior to a rain event and also must be elevated to prevent contact with stormwater run-off.
5. Waste materials must be properly managed to prevent discharge into stormwater. Each of the following BMPs shall be implemented and maintained if the waste is present on site: Concrete Waste Management; Solid Waste Management; Sanitary Waste Management; Hazardous Waste Management.
6. All contaminated or potentially contaminated soil must be managed to prevent it from being discharged into a stormwater conveyance or receiving water. All contaminated soil must be placed on an impervious surface, bermed and completely covered with plastic sheeting.
7. All storm drain inlets on site must be either sealed with an impervious material during construction activities or protected using inlet protection BMPs.
8. Any minor slopes created incidental to construction and not covered by a major or minor grading permit shall be protected by covering with plastic or tarp prior to a rain event, and shall have vegetative cover reestablished within 180 days and prior to final building approval.

SECTION 3. Certification

You must read and sign the certification below before an Underground Storage Tank Construction Permit will be issued in the Unincorporated County.

I have read and understand that the County of San Diego has adopted minimum requirements for stormwater management of underground storage tank construction activities. I certify that the BMPs I have selected will be implemented to effectively minimize the potentially negative impacts of this project's activities on stormwater quality. I am aware that the selected BMPs must be installed, monitored, maintained or revised to ensure their effectiveness. I understand that non-compliance with the County's Stormwater and Grading Ordinances may result in enforcement by the County, including fines and/or cease and desist orders.

Contractor _____ Date: 11-8-04

Property Owner _____ Date: 11-11-04

HM: 9302 (09-02)

INSTRUCTION SHEET
FOR A
POST-TANK REMOVAL INVESTIGATION

A Post-Tank Removal Investigation generally involves the use of a backhoe to conduct a subsurface site investigation of petroleum hydrocarbon contamination within 72 hours of underground storage tank (UST) removal. Department of Environmental Health (DEH) considers the Post-Tank Removal Investigation to be an effective method of subsurface investigation only in situations where the volume of excavated contaminated soil is limited (approximately 50 cubic yards or a volume that can be properly managed as per Section 7.VI of the Site Assessment & Mitigation (SAM) Manual and not cause a nuisance). A DEH guideline for conducting an acceptable post-tank removal investigation is attached for your reference.

Complete in detail the attached Workplan for Post-Tank Removal Investigation if you plan to commence a subsurface site investigation immediately after removal of the UST(s). Please note the following conditions.

- The Workplan must be submitted with the UST closure application. The field investigation cannot be started until the UST closure permit and Workplan are approved by DEH.

- The Workplan must be implemented under the direction of the project's Registered Geologist, Certified Engineering Geologist or Registered Civil Engineer.

- The Workplan must provide assurance that the public (neighbors, pedestrians, etc.) is protected from contact with the contaminated soil, fugitive vapors, and from risk of accidents resulting from the site investigation activities.
- A complete site assessment report, signed by the above referenced registered professional, must be submitted to DEH within 60 days of the investigation.

- The investigation must be implemented in accordance with the SAM Manual.

Completion of the attached Workplan is **not required** by DEH under the following circumstances:

- The contractor's plan for site excavation is limited to the removal of the UST and surrounding backfill material and the contractor has no plans to excavate into and/or remove native soil for site investigation closure purposes.

- The DEH inspector directs the excavation of native soil to obtain representative soil samples in support of the UST closure requirements.

- An "Unauthorized Release" of hydrocarbons has previously occurred at the UST removal site and a Workplan has been pre-approved by the DEH caseworker.

- Activities associated with immediate removal of free product from an open tank excavation. Reference Sections 3.II.A of the SAM Manual to review free product abatement and reporting requirements.

**** Office Use Only ****
Unified Program Facility Permit #_____
Plan Check #
DEH Inspector

WORKPLAN FOR POST-TANK REMOVAL INVESTIGATION

Complete this Workplan only if you intend to utilize a backhoe to investigate the extent of hydrocarbon contamination within 72 hours of the removal of an underground storage tank (UST). This site investigation work must be implemented in accordance with the DEH-SAM Manual and under the direction of an appropriately Registered Geologist (RG), Certified Engineering Geologist (CEG) or Registered Civil Engineer (RCE). A complete site assessment report, signed by the above referenced registered professional, must be submitted to DEH within 60 days of the date of the field investigation. This workplan must be signed by the above referenced registered professional.

1. Establishment Name/Address

   11719 Woodside Avenue

   Lakeside, California 92040

2. Contractor, Contact & Phone No.

   Soclaris Contracting, Sonny Rosenal, (619) 465-3438

   Environmental Consultant, Contact & Phone No.

   Geocon Consultants, Inc., Ron Kofron or Bob Owoc, (619) 558-6100

   Registered Professional (defined above) & Phone No.

   Ronald J. Kofron, CEG, (619) 558-6100

3. Describe how the backhoe will be utilized to conduct the site investigation (ie. potholing, trenching, etc.) and estimate the maximum quantity of soil to be excavated.

   Assessment and soil sampling will be conducted by trenching and potholing beyond the limits of the tank cavity using a backhoe or excavator. A maximum of 75 cubic yards of soil will be excavated under this workplan.

4. Describe the soil sample collection methods and laboratory to be used (reference Section 5.III of the SAM Manual). Soil analysis must be performed by a California DTSC Certified Laboratory.

Soil samples will be collected as the excavation proceeds from the bucket of the backhoe using a hand trowel. Laboratory will be H & P Mobile Geochemistry in Solana Beach, California.

5. Attach a site drawing (to scale) which includes at a minimum: site structures, subsurface utility lines and fuel lines, UST(s) location, site investigation area, stockpiled soil area, prevailing wind direction, adjacent street and property uses, surface water and wells.

Refer to Figures 1 and 2. No structures, active underground utilities, surface water, or wells are located within 50 feet of the excavation area.

6. Describe methods to monitor and control hydrocarbon vapor emissions at the excavation site.

A combustible gas indicator (CGI) or a photoionization detection (PID) will be used to monitor air at the excavation area.

7. Describe the procedures for the management of excavated soil, i.e. soil, segregation, engineering controls for the stockpile soil (reference Section 7.VI of the SAM Manual), soil characterization, on-site soil management, off-site disposal, on-site treatment, etc. Describe the Best Management Practices (BMPs) to be used in the event of rainfall to control erosion from stockpiled soil.

Excavated soil will be placed on and covered with plastic. If soil containing hydrocarbons is excavated, the soil will be transported to an offsite recycling facility.

8. A Public Notification Program must be implemented prior to commencing the site investigation. Attach a copy of the public notice and provide a written description of the program (reference Section 4.IV of the SAM Manual). Identify the targeted population and the method of public notice distribution.

Public notice will be posted on the existing perimeter fence of the construction site. Pedestrians and bystanders are the only targeted population.

Sample of Public Notice and Proposition 65 Notice attached.

Please Note:

- The investigation trench or excavation must be logged under the direction of a RG, CEG or RCE and include a complete description of the subsurface soil and/or rock.
- All contaminated soil should either be removed from the site or be treated on-site (with agency approval) within 45 days of site excavation.
- The site excavation must be secured with fencing, site security and other methods as required to ensure public safety. DEH recommends backfilling the excavation site for safety reasons within 72 hours of the post-tank removal investigation.

Prepared by:

Ronald J. Kofron, CEG Geocon Consultants, Inc. 10/18/04

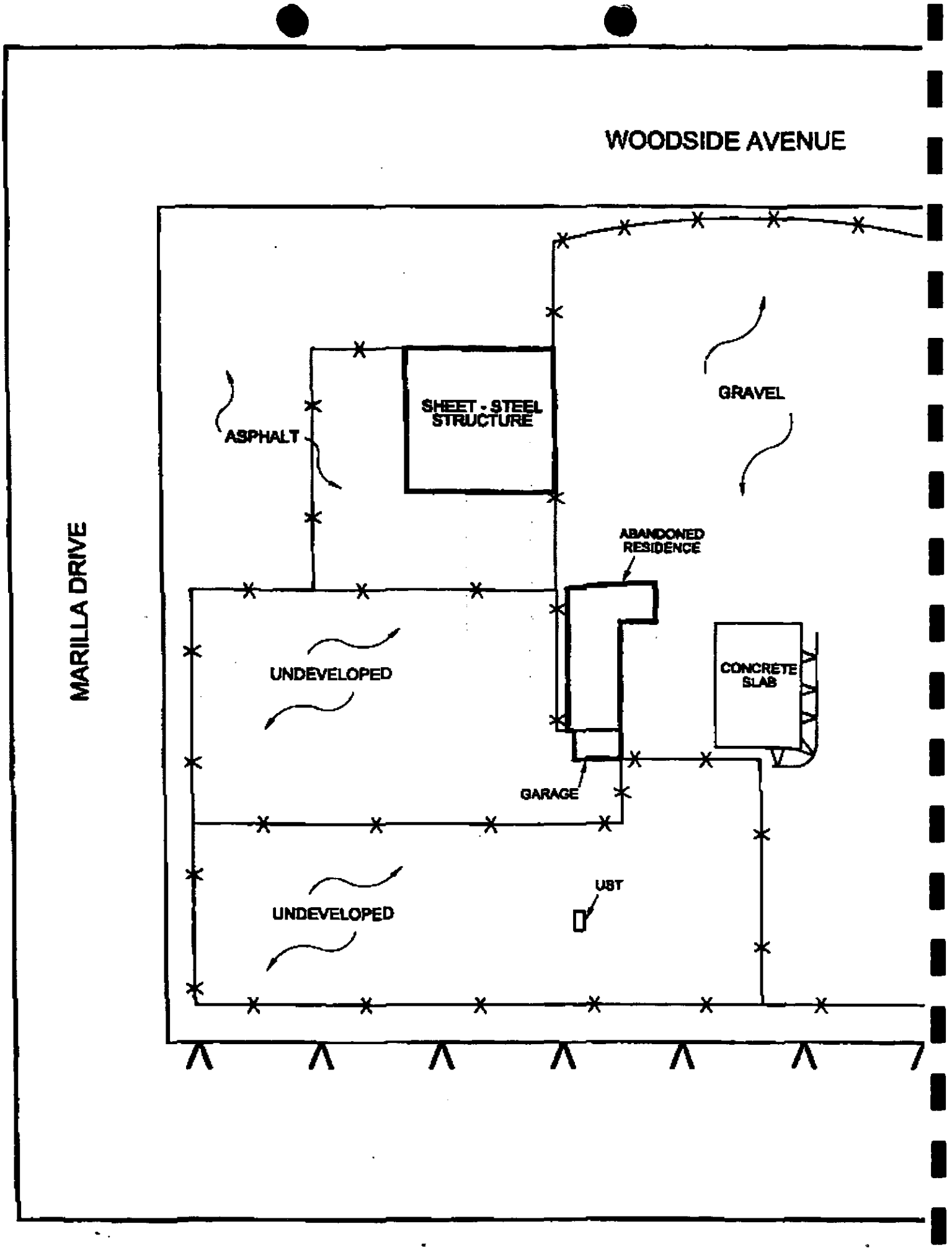
(Name, print or type) (Company) (Signature) (date)

Approved by Tank/Property Owner:

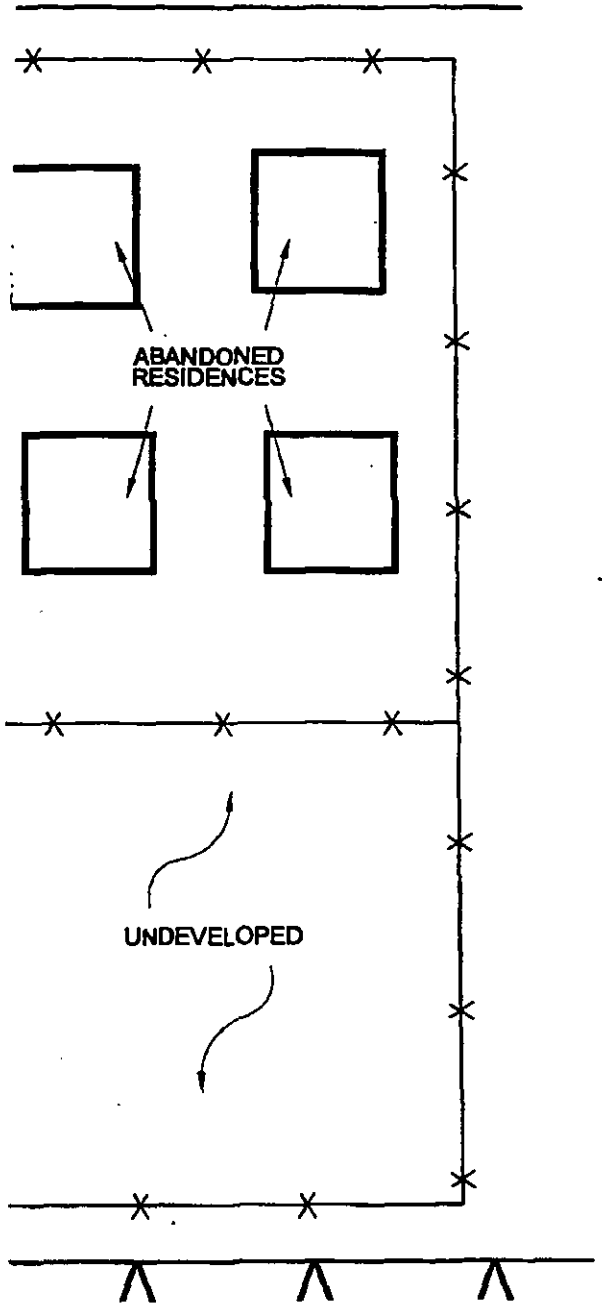
(Name, print or type) (Signature) (date)

Approved by DEH, SAM Program:

(Name, print or type) (Signature) (date)


WOODSIDE AVENUE
MARILLA DRIVE
SHEET - STEEL STRUCTURE
ASPHALT
GRAVEL
ABANDONED RESIDENCE
CONCRETE SLAB
UNDEVELOPED
GARAGE
UST
UNDEVELOPED

11719 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA



N

APPROX. SCALE: 1" = 50'

GEOCON LEGEND

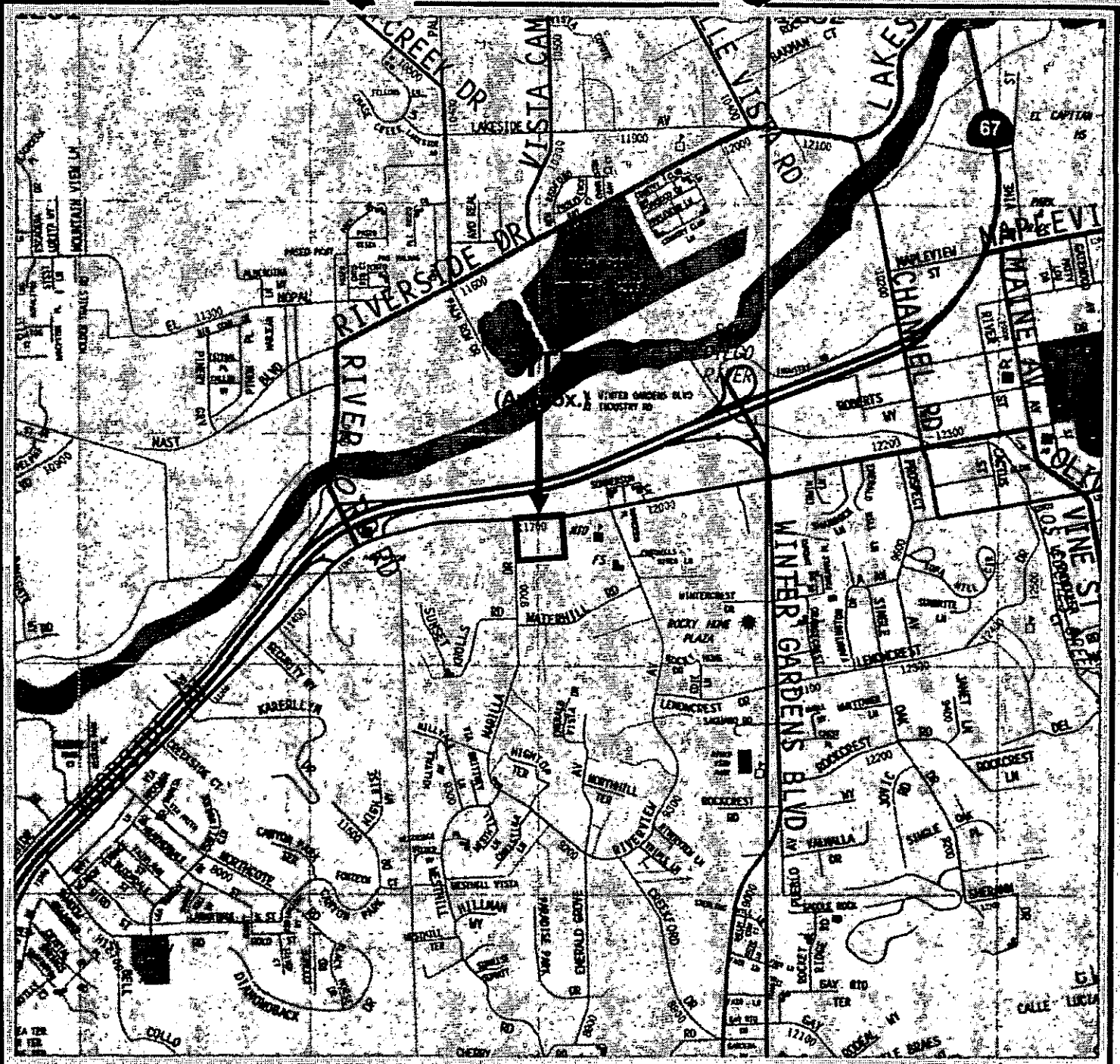
UST .....APPROXIMATE LOCATION OF UNDERGROUND STORAGE TANK

.....CHAIN-LINK FENCE

SITE PLAN

GEOCON
CONSULTANTS, INC.
ENVIRONMENTAL ■ GEOTECHNICAL ■ MATERIALS
6970 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121 - 2974
PHONE (858) 558-6100 - FAX (858) 558-8437

PROJECT NO. 09429 - 06 - 02
FIGURE 2
DATE 10-18-2004



SOURCE: 2004 THOMAS BROS. MAP DIGITAL EDITION
SAN DIEGO COUNTY, CALIFORNIA

REPRODUCED WITH PERMISSION GRANTED BY THOMAS BROS. MAPS.
THIS MAP IS COPYRIGHTED BY THOMAS BROS. MAPS. IT IS UNLAWFUL TO COPY OR REPRODUCE
ALL OR ANY PART THEREOF, WHETHER FOR PERSONAL USE OR RESALE, WITHOUT PERMISSION.

N

Approximate Scale
1 in. = 1,650 ft.

GEOCON
CONSULTANTS, INC
ENVIRONMENTAL ■ GEOTECHNICAL ■ MATERIALS
6970 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121-2974
PHONE 858.558-6100 - FAX 858.558-8437

RCO:sc

VICINITY MAP

11719 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA

DATE: 10-18-2004	PROJECT NO. 09429-06-02	FIG. 1

PUBLIC NOTICE

11719 Woodside Avenue

Soclaris Contracting will be removing one underground storage tank from this site under permit and supervision from the County of San Diego Department of Environmental Health.

Tank removal activities are scheduled for November ___, 2004, beginning at approximately 9 a.m.

This work is expected to be completed in less than two working days. Effort will be made to keep dust, noise and odor to a minimum.

If there are any public concerns related to these activities please call:

Environmental Consultant: Geocon Consultants Inc., Ron Kofron (619) 818-0231
Tank Contractor: Soclaris, Sonny Rosenal (619) 465-3438
Construction Manager: Scott Merry (760) 944-1668
County of San Diego Department of Environmental Health
Underground Storage Tank Program: Robert Rapista (619) 338-2207

GEOCON

October 18, 2004

PROPOSITION 65 WARNING:

This area contains petroleum mixtures-which contain a chemical known to the State of California to cause cancer or birth defects or other reproductive harm.

Health and Safety Code Sections 25249.6, 25249.11



EST. H# _____

PLAN CHECK # _____

WORKPLAN
FOR
UNDERGROUND STORAGE TANK CLOSURE

1. Site Name 11719 Woodside Avenue

2. Site Address 11719 Woodside Avenue

   Lakeside, California 92040

3. Describe the existing land use in the surrounding area (residential, commercial, schools). Describe the locations of nearest receptors and the prevailing wind.

   The tank is situated in a vacant, fenced lot located within an approximately 3.5-acre parcel. The UST is situated more than 150 feet from a property line to the north, east, and west. Properties (approximately 75 feet) to the south are residential in use. A public middle school is situated approximately 250 feet east of the site. Prevailing wind direction is from the west-northwest.

4. Explain how the excavation will be secured. Describe fencing/site security and other methods that ensure public safety.

   The property is not open to the public. The excavation will be contained by an additional temporary fence for worker safety.

5. If soil is to be stockpiled, describe the location on the Plan Check map. Describe method of soil containment (berming/covers, run-off control).

   The soil stockpile will be located on relatively flat and level land. Stockpiled soil will be placed on and covered with plastic. The perimeter of the stockpile will be bermed to prevent run-off in the event of rain.

6. Do you plan to conduct site assessment or remedial work beyond what is necessary to remove the underground storage tank(s) and perform the mandatory soil sampling required by the Site Assessment and Mitigation Program (SAM) of the Department of Environmental Health?

   ☒ Yes ☐ No

   If Yes, a Workplan for Post-Tank Removal Investigation must be completed under the direction of a registered professional.

Signature _____

Title MANAGER, ENVIRONMENTAL SERVICES

Telephone (858) 558-6100 Date 10/18/04

PERMIT APPLICATION
PART I
GENERAL PROJECT INFORMATION

HAZARDOUS MATERIALS UNDERGROUND STORAGE TANK FACILITY

OFFICE USE ONLY
PERMIT #:
PLAN CK#:
DATE RECEIVED: ___/___/___
FEE PAID:
PLAN APPROVAL:
HYDRO UNIT:
BENEF. USE:

A. **SITE NAME:** 11719 Woodside
SITE ADDRESS: 11719 Woodside Ave. City Lakeside Zip 92040

B. **PROPERTY OWNER:**
Assessor's Parcel No. 382-220-01-00
Company Silver Sage Properties, LLC Contact Mr. Jim Hunter
Mailing Address 1670 La Force Road City Alpine State CA Zip 91909
Phone ( ) (619) 507-6200
24-Hour Emergency Contact same as above Phone ( ) same as above

C. **TANK OPERATOR:**
Company Same as above Contact
Mailing Address City Zip
Phone ( )
24-Hour Emergency Contact Phone ( )

D. **CONTRACTOR PERFORMING WORK:**
Primary Contractor Soclaris Contracting Contact Sonny Rosenal
Mailing Address 7437 Lowell Ct. City La Mesa Zip 91941
Phone ( ) (619) 465-3438
State Contractor's License "A" 793838
Hazardous Substances Certificate 793838
Worker's Compensation Insurance Company State Fund Ins

E. **APPLICATION SUBMITTAL, PLAN APPROVAL, PERMIT ISSUANCE, AND REQUIRED INSPECTIONS**

Submit one (1) original and two (2) copies of this application package, including plan drawings, with the required fee to the Department of Environmental Health (DEH), Hazardous Materials Division, 1255 Imperial Avenue, Third Floor, San Diego, CA 92101; or mail to P.O. Box 129261, San Diego, CA 92112-9261. **Checks should be made payable to the County of San Diego.**

A permit will be issued by DEH upon review and approval of the application and plans. The required fees must be submitted with the application package. Information in addition to that presented in the application package may be needed in order to obtain final approval. No work is to begin on the proposed project until a permit has been issued. The required inspections cannot be scheduled until a permit is issued.

Once the permit has been issued, it is the responsibility of the permittee to notify DEH at least two (2) working days in advance to schedule each required inspection.

Construction stages at which inspections are required are indicated in each subpart of this application form (i.e., Part II, III, IV, & V). If you need additional information, please call the Underground Storage Plan Check Desk at (619) 237-8451.

F. PROJECT WORK TO BE COMPLETED: Check Applicable Box	COMPLETE APPLICATION PARTS	FEE CODE TABLE G
☐ Installation/Construction of new tank(s) systems only (without closing any existing tanks)	I & II	1
☐ Closure of existing tank(s) systems with installation of new tanks (tank replacement)	I, II & III	1 & 2
☒ Closure of existing tank(s) systems with no new tank installation	I & III	2
☐ Interior coating/repair of an existing underground storage tank	I & IV	1
☐ Repipe/pipe-repair piping upgrade of an existing underground storage tank facility	I & V	3
☐ Installation/Construction of vaulted tanks	VI	4

G. FEES: The fees shown below cover plan review and the required field inspections. Use the appropriate Fee Code as determined in Section F above.

FEE CODE		
	Installation fee for first tanks $1090.00 **(fee will apply to all tank installations, tank repairs, interior lining and bladder installations)**	Fee: $
1	Installation fee for each additional tank No. _____ X $110.00	Fee: $
	Establishment Base Fee $210.00 (Applies to establishments not currently under permit with DEH)	Fee: $
	Operating Permit Fee per tank No. _____ X $315.00 (Does not apply to replacement tanks if the existing tank to be replaced has paid current operating permit fees)	Fee: $
2	Closure fee for first tank $625.00	Fee: $ 625.00
	Closure fee for each additional tank No. _____ X $105.00	Fee: $
3	Upgrade /Repair – 1 inspections $655.00	
	Upgrade /Repair – 2 inspections $930.00	Fee: $
	Additional inspection(s): Soil Sampling: $275.00 Other: $275.00	Fee: $ Fee: $
4	Consultation fee (e.g. vaulted tank: minimum 2 hours) _____ Hours X $110.00	Fee: $
5	Re-inspection fee $370.00	Fee: $
	Plan Re-Review $245.00	Fee: $
		TOTAL FEE: $ 625.00

H. PERMITS REQUIRED BY OTHER AGENCIES:

FIRE DEPARTMENT No APCD _____ BUILDING DEPARTMENT _____ OTHER _____

Provide copies of approved applications from these departments and others if needed.

PERMIT APPLICATION

PART III

APPLICATION FOR PERMIT TO CLOSE UNDERGROUND STORAGE TANK SYSTEM

A. TOTAL NUMBER OF TANK SYSTEMS TO BE CLOSED: _____
NOTE: UST SYSTEMS INCLUDE TANK AND ALL ASSOCIATED PIPING.

B. DESCRIPTION OF TANKS TO BE CLOSED:

TANK NO.	CAPACITY	DATE INSTALLED	TANK COMPOSITION	TANK PRESENTLY IN USE ?	MATERIALS STORED IN TANK
001	1,000	UNK.	STEEL	NO	UNKNOWN
		__/__/__			
		__/__/__			
		__/__/__			
		__/__/__			
		__/__/__			
		__/__/__			

C. HAS THE TANK SYSTEM EVER FAILED OR LEAKED? YES ☐ NO ☐ UNKNOWN ☒

D. REASON FOR TANKS TO BE CLOSED:

☒ Meet current state/federal requirements

☐ Replacement of existing tanks

☐ Tank system failure, briefly describe _____

☐ Other, briefly describe _____

DEH USE ONLY:
Project Manager: _____
Type: _____
Status: _____

E. PREVIOUS OWNERS AND OPERATORS OF THE TANKS:

Dates	Owner/Operator
unknown	unknown

F. PROPOSED METHOD OF CLOSURE: ☒ REMOVAL ☐ CLOSURE IN PLACE

SAMPLING PROTOCOL Tank owner/authorized representative responsible for all sampling analyses and associated costs.

_ For tank systems that are to be removed. The excavation shall be exposed prior to the scheduled inspection and sampling points identified by the Department of Environmental Health (DEH) inspector. Sampling is required for both tank and piping. **The tank and piping must remain in the excavation until the DEH Inspector approves the removal.**

_ Tank systems to be closed in place. Submit an alternate plan which must include soil sampling, reason for closing the tank system in place and type of material to be used to fill the tank. Soil sampling and/or hydrostatic testing is also required for piping closures. Tank system closure in place will only be considered after evaluating the risks and hazards if the tank system were removed.

G. DISPOSAL SITE OF TANK: Pacific Coast Recycling 3055 Commercial St. San Diego 92101

Note: You must inform DEH of the address of where the tank and piping is to be disposed. **Plans will be disapproved without this information.**

H. ATTACH THREE COPIES OF PLANS SHOWING THE FOLLOWING:

1. Property lines, site address, scale, north arrow.
2. Location of all existing structures.
3. Location of all existing underground storage tank facilities.
4. Location of underground storage tanks and piping to be closed.
5. Location of underground utility lines and vaults.

I. REQUIRED INSPECTION-PERMIT TO CLOSE

A representative from DEH must be on site at the time the tank(s) are closed.

1. TANK SYSTEM CLOSURE BY REMOVAL:
   _ The excavation shall be exposed prior to the scheduled inspection. The tank owner/authorized representative on site must submit a uniform hazardous waste manifest demonstrating that the tank has been properly decontaminated. A combustible gas instrument and soil sampling equipment must be on site. The DEH Inspector will identify sampling points. The tank and piping must remain in the excavation until DEH approves the removal.
2. TANK SYSTEM CLOSURE IN PLACE:
   _ Soil sampling for tank(s) and piping.
   _ After approval of the alternate plan, the tank owner/authorized representative on site shall submit a uniform hazardous waste manifest demonstrating that the tank has been properly decontaminated. The DEH Inspector shall verify that the tank system has been properly emptied and will witness the filling with an approved inert substance. Piping must be closed at the same time as the tank.

J. DECLARATION

I declare that to the best of my knowledge and belief, the statements and information provided are correct and true. I understand that information in addition to that provided above may be needed in order to obtain final approval by the Department of Environmental Health (DEH).

I understand that tests and procedures that may be required by other departments and agencies to demonstrate adequate site safety or suitability for further development (e.g. soil compaction testing) are in addition to the requirements of the Department of Environmental Health (DEH).

I will notify the Department of Environmental Health (DEH) at least two working days (48 hours) before work is to begin in order to schedule the required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared or assumed by the County of San Diego.

SIGNATURE & TITLE _____

PRINT NAME _____

TELEPHONE ( ) _____ DATE _____

Appendix B

Non-Hazardous Waste Manifests and Weighmaster Certificates

CANDELARIA ENVIRONMENTAL **Nº 39221**

BIOTREATMENT FACILITY

NON-HAZARDOUS MATERIALS HAULING MANIFEST

GENERATOR

NAME: WOODSIDE AVENUE INVESTORS, LLC
ADDRESS: 11719-11749 WOODSIDE AVE. PHONE NO. (619) 300-9444
CITY, STATE, ZIP LAKESIDE, CA. APN: 2005-12

WASTE DESCRIPTION NON-HAZ SOIL GENERATING PROCESS LEAKING UST
COMPONENTS OF WASTE (PPM) COMPONENTS OF WASTE (PPM)

DIESEL - IMPACTED SOIL

PROPERTIES: SOLID YES
HANDLING INSTRUCTIONS: WEAR APPROPRIATE CLOTHING

GENERATOR CERTIFIES THAT THESE WASTES ARE RCRA NON-HAZARDOUS, AND CALIFORNIA NON-HAZARDOUS, BASED ON THE INFORMATION PROVIDED BY THE GENERATOR ON THE SOIL ACCEPTANCE APPLICATION AND THE ACCOMPANYING LABORATORY DATA

BY: [signature] BRADLEY J. TUCK DATE: 3/17/05
Signature / Print or Type Full Name

HAULER

COMPANY NAME Western Rubb PHONE NO. 619-561-3903
ADDRESS PO Box 1521 Lakeside CA SERVICE ORDER NO.
CITY, STATE, ZIP PICK UP DATE 3.17.05
TRUCK TYPE: DUMP X ROLL OFF ___ OTHER ___

TRUCK LIC. # CP74498 TRUCK ID # 966/16
DRIVER NAME Ted Ward TRAILER LIC. # HT14040
DRIVER SIGNATURE [signature] TRAILER ID # 966/167

PROCESSOR

TIME LEFT JOB ___ LOAD # ONE
JOB SITE REPRESENTATIVE JChook Name [signature] Signature

Deliver to facility Location:
CANDELARIA ENVIRONMENTAL
4001 Candelaria Lane
Anza, CA 92539
(951) 763-0129

Main office:
Phone:(619) 696-6207
FAX (619) 696-5117
24hr Emergency (619) 696-6207

17385

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture

Delivered To & Weighed At:
Candelaria Environmental - Weighmaster
4001 Candelaria Lane
Anza, California 92539
909-763-0129

Weighed For: Woodside Generator
APN: 0512 Manifest No. 39221
Carrier: Ward 96611
Truck License No. CP74498
Truck Trailer No. HT14040
Commodity: Non-Hazardous Soil/Material

WEIGHTS: [ ] GROSS: 42.97
[ ] TARE: 15.53
NET TONS: 27.44

Candelaria Environmental - Weighmaster
Gross & Tare
By: [signature] Deputy
3/17/05 Date Weighed

CANDELARIA ENVIRONMENTAL **Nº 39222**

BIOTREATMENT FACILITY

NON-HAZARDOUS MATERIALS HAULING MANIFEST

GENERATOR

NAME: WOODSIDE AVENUE INVESTORS, LLC
ADDRESS: 11719-11749 WOODSIDE AVE. PHONE NO. (619) 300-9444
CITY, STATE, ZIP LAKESIDE, CA. APN: 2005-12

WASTE DESCRIPTION NON-HAZ SOIL GENERATING PROCESS LEAKING UST
COMPONENTS OF WASTE (PPM) COMPONENTS OF WASTE (PPM)

DIESEL - IMPACTED SOIL

PROPERTIES: SOLID YES
HANDLING INSTRUCTIONS: WEAR APPROPRIATE CLOTHING

GENERATOR CERTIFIES THAT THESE WASTES ARE RCRA NON-HAZARDOUS, AND CALIFORNIA NON-HAZARDOUS, BASED ON THE INFORMATION PROVIDED BY THE GENERATOR ON THE SOIL ACCEPTANCE APPLICATION AND THE ACCOMPANYING LABORATORY DATA

BY: Signature / Print or Type Full Name BRADLEY J. TUCK DATE: 3/17/05

HAULER

COMPANY NAME BUDS TRUCKING PHONE NO. (619)561-3903
ADDRESS P.O. BOX 1521 SERVICE ORDER NO.
CITY, STATE, ZIP LAKESIDE, CA PICK UP DATE 3-17-05
TRUCK TYPE: DUMP X ROLL OFF ___ OTHER ___

TRUCK LIC. # CP 744 92 TRUCK ID # 966-1
DRIVER NAME JOHN BOURREMIX TRAILER LIC. # 4DF3195
DRIVER SIGNATURE TRAILER ID # 966-1T

PROCESSOR

TIME LEFT JOB ___ LOAD # TWO
JOB SITE REPRESENTATIVE J Tuck / J Tuck
Name Signature

Deliver to facility Location:
CANDELARIA ENVIRONMENTAL
4001 Candelaria Lane
Anza, CA 92539
(951) 763-0129

Main office:
Phone:(619) 696-6207
FAX(619) 696-5117
24hr Emergency (619) 696-6207

17386

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on the certificate, who is a recognized authority of accuracy as prescribed by Chapter 7 licensing with Section 12700 of Division 5 of the California Business and Professions Code, administered by the Division of Measurements Standards of the California Department of Food and Agriculture

Delivered To & Weighed At:
Candelaria Environmental - Weighmaster
4001 Candelaria Lane
Anza, California 92539
909-763-0129

Weighed For: Woodside (Customer)
APN: 05-17 Manifest No. 39222
Carrier: Buds 966-1
Truck License No. CP744 92
Truck Trailer No. 4DF3195
Commodity: Non-Hazardous Soil/Material

WEIGHTS: [ ] GROSS: 42.15
[ ] TARE: 14.30
NET TONS: 27.85

Candelaria Environmental - Weighmaster
Gross & Tare
By: (Weighmaster) 3/17/05 (Date Weighed)

CANDELARIA ENVIRONMENTAL № 39223

BIOTREATMENT FACILITY

NON-HAZARDOUS MATERIALS HAULING MANIFEST

GENERATOR

NAME: WOODSIDE AVENUE INVESTORS, LLC
ADDRESS: 11719-11749 WOODSIDE AVE. PHONE NO. (619) 300-9444
CITY, STATE, ZIP LAKESIDE, CA. APN: 2005-12

WASTE DESCRIPTION NON-HAZ SOIL GENERATING PROCESS LEAKING UST
COMPONENTS OF WASTE (PPM) COMPONENTS OF WASTE (PPM)

DIESEL - IMPACTED SOIL

PROPERTIES: SOLID YES
HANDLING INSTRUCTIONS: WEAR APPROPRIATE CLOTHING

GENERATOR CERTIFIES THAT THESE WASTES ARE RCRA NON-HAZARDOUS, AND CALIFORNIA NON-HAZARDOUS, BASED ON THE INFORMATION PROVIDED BY THE GENERATOR ON THE SOIL ACCEPTANCE APPLICATION AND THE ACCOMPANYING LABORATORY DATA

BY: [signature] / BRADLEY J. Ruck DATE: 3/17/05
Signature / Print or Type Full Name

HAULER

COMPANY NAME DAVIS TRUCKING PHONE NO. (619) 561-3903
ADDRESS P.O. BOX 1521 SERVICE ORDER NO.
CITY, STATE, ZIP LAKESIDE, CA PICK UP DATE 3/17/05
TRUCK TYPE: DUMP X ROLL OFF ___ OTHER ___

TRUCK LIC. # CP74495 TRUCK ID # 966-12
DRIVER NAME J. RYAN TRAILER LIC. # 1T58448
DRIVER SIGNATURE [signature] TRAILER ID # 966-1T

PROCESSOR

TIME LEFT JOB ___ LOAD # #3
JOB SITE REPRESENTATIVE J. Ruck / [signature]
Name Signature

Deliver to facility Location:
CANDELARIA ENVIRONMENTAL
4001 Candelaria Lane
Anza, CA 92539
(951) 763-0129

Main office:
Phone:(619) 696-6207
FAX:(619) 696-5117
24hr Emergency (619) 696-6207

17384

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture

Delivered To & Weighed At:
Candelaria Environmental - Weighmaster
4001 Candelaria Lane
Anza, California 92539
909-763-0129

Weighed For: Woodside
APN: 05-12 Manifest No. 39223
Carrier: Davis 966-12
Truck License No. CP74495
Truck Trailer No. 1T58448

Commodity: Non-Hazardous Soil/Material

WEIGHTS: [ ] GROSS: 39.55
[ ] TARE: 14.35
NET TONS: 24.68

Candelaria Environmental - Weighmaster
Gross & Tare
By: [signature] Deputy
3/17/05
Date Weighed

CANDELARIA ENVIRONMENTAL № 39224

BIOTREATMENT FACILITY

NON-HAZARDOUS MATERIALS HAULING MANIFEST

GENERATOR

NAME: WOODSIDE AVENUE INVESTORS, LLC
ADDRESS: 11719-11749 WOODSIDE AVE. PHONE NO. (619) 300-9444
CITY, STATE, ZIP LAKESIDE, CA. APN: 2005-12

WASTE DESCRIPTION NON-HAZ SOIL GENERATING PROCESS LEAKING USTs
COMPONENTS OF WASTE (PPM) COMPONENTS OF WASTE (PPM)

DIESEL - IMPACTED SOIL

PROPERTIES: SOLID YES
HANDLING INSTRUCTIONS: WEAR APPROPRIATE CLOTHING

GENERATOR CERTIFIES THAT THESE WASTES ARE RCRA NON-HAZARDOUS, AND CALIFORNIA NON-HAZARDOUS, BASED ON THE INFORMATION PROVIDED BY THE GENERATOR ON THE SOIL ACCEPTANCE APPLICATION AND THE ACCOMPANYING LABORATORY DATA

BY: [signature] / BRADLEY J. TUCK DATE: 3/17/05
Signature / Print or Type Full Name

HAULER

COMPANY NAME Bud's Trucking PHONE NO. 619 561 3903
ADDRESS P.O. Box 1521 SERVICE ORDER NO.
CITY, STATE, ZIP Ramona Ca 92065 PICK UP DATE 3-17-05
TRUCK TYPE: DUMP X ROLL OFF ___ OTHER ___

TRUCK LIC. # CF72599 TRUCK ID # 917-45
DRIVER NAME Michael Ellis TRAILER LIC. # 4EV9157
DRIVER SIGNATURE Michael Ellis TRAILER ID # 917-45T

PROCESSOR

TIME LEFT JOB ___ LOAD # 4
JOB SITE REPRESENTATIVE J. Tuck J. Tuck
Name Signature

Deliver to facility Location:
CANDELARIA ENVIRONMENTAL
4001 Candelaria Lane
Anza, CA 92539
(951) 763-0129

Main office:
Phone:(619) 696-6207
FAX (619) 696-5117
24hr Emergency (619) 696-6207

17387

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurements Standards of the California Department of Food and Agriculture

Delivered To & Weighed At:
Candelaria Environmental - Weighmaster
4001 Candelaria Lane
Anza, California 92539
909-763-0129

Weighed For: Woodside Brenner
APN: 05-12 Manifest No. 39222
Carrier: Buds 917-45
Truck License No. CF72599
Truck Trailer No. 4EV9157
Commodity: Non-Hazardous Soil/Material

WEIGHTS: [ ] GROSS: 36.08
[ ] TARE: 12.76
NET TONS: 24.22

Candelaria Environmental - Weighmaster
Gross & Tare
By: [signature] Deputy
3/17/05 Date Weighed

CANDELARIA ENVIRONMENTAL № 39225
BIOTREATMENT FACILITY
NON-HAZARDOUS MATERIALS HAULING MANIFEST

GENERATOR

NAME: WOODSIDE AVENUE INVESTORS, LLC
ADDRESS: 11719-11749 WOODSIDE AVE. PHONE NO. (619) 300-9444
CITY, STATE, ZIP LAKESIDE, CA. APN: 2005-12

WASTE DESCRIPTION NON-HAZ SOIL GENERATING PROCESS LEAKING UST
COMPONENTS OF WASTE (PPM) COMPONENTS OF WASTE (PPM)

DIESEL - IMPACTED SOIL

PROPERTIES: SOLID YES
HANDLING INSTRUCTIONS: WEAR APPROPRIATE CLOTHING

GENERATOR CERTIFIES THAT THESE WASTES ARE RCRA NON-HAZARDOUS, AND CALIFORNIA NON-HAZARDOUS, BASED ON THE INFORMATION PROVIDED BY THE GENERATOR ON THE SOIL ACCEPTANCE APPLICATION AND THE ACCOMPANYING LABORATORY DATA

BY: BRADLEY J. TUCK DATE: 3/7/05
Signature / Print or Type Full Name

HAULER

COMPANY NAME BJOS TRUCKING PHONE NO. (619) 561-3903
ADDRESS P.O. BOX 152 SERVICE ORDER NO.
CITY, STATE, ZIP LAKESIDE, CA PICK UP DATE 3
TRUCK TYPE: DUMP C ROLL OFF OTHER

TRUCK LIC. # CF74495 TRUCK ID # 966-12
DRIVER NAME HARLEY RAW TRAILER LIC. # AT58448
DRIVER SIGNATURE TRAILER ID # 966-12T

PROCESSOR

TIME LEFT JOB LOAD # FIVE

JOB SITE REPRESENTATIVE
Name Signature

Deliver to facility Location:
CANDELARIA ENVIRONMENTAL
4001 Candelaria Lane
Anza, CA 92539
(951) 763-0129

Main office:
Phone:(619) 696-6207
FAX (619) 696-5117
24™ Emergency (619) 696-6207

17388

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a weighmaster-certified authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurements Standards of the California Department of Food and Agriculture

Delivered To & Weighed At:
Candelaria Environmental - Weighmaster
4001 Candelaria Lane
Anza, California 92539
909-763-0129

Weighed For: Woodside
APN: 05-12 Manifest No. 39225
Carrier: Bucko 966-12
Truck License No. C 27491
Truck Trailer No. Cx555 498
Commodity: Non-Hazardous Soil/Material

WEIGHTS: [ ] GROSS: 36.92
[ ] TARE: 14.32
NET TONS: 22.60

Candelaria Environmental - Weighmaster
Gross & Tare
By: [signature]
Date: 3/10/05
Date Weighed

CANDELARIA ENVIRONMENTAL **Nº 39226**

BIOTREATMENT FACILITY

NON-HAZARDOUS MATERIALS HAULING MANIFEST

GENERATOR

NAME: WOODSIDE AVENUE INVESTORS, LLC
ADDRESS: 11719-11749 WOODSIDE AVE. PHONE NO. (619) 300-9444
CITY, STATE, ZIP LAKESIDE, CA. APN: 2005-12

WASTE DESCRIPTION NON-HAZ SOIL GENERATING PROCESS LEAKING UST
COMPONENTS OF WASTE (PPM) COMPONENTS OF WASTE (PPM)

DIESEL - IMPACTED SOIL

PROPERTIES: SOLID YES
HANDLING INSTRUCTIONS: WEAR APPROPRIATE CLOTHING

GENERATOR CERTIFIES THAT THESE WASTES ARE RCRA NON-HAZARDOUS, AND CALIFORNIA NON-HAZARDOUS, BASED ON THE INFORMATION PROVIDED BY THE GENERATOR ON THE SOIL ACCEPTANCE APPLICATION AND THE ACCOMPANYING LABORATORY DATA

BY: [signature] / BRADLEY J. TUCK DATE: 3/17/05
Signature / Print or Type Full Name

HAULER

COMPANY NAME BUDS TRUCKING PHONE NO. (619) 561-3903
ADDRESS P.O. BOX 1521 SERVICE ORDER NO.
CITY, STATE, ZIP LAKESIDE, CA PICK UP DATE 3-17-05
TRUCK TYPE: DUMP X ROLL OFF OTHER

TRUCK LIC. # CP 74492 TRUCK ID # 966-1
DRIVER NAME JOHN BOUDREAUX TRAILER LIC. # 4DF3195
DRIVER SIGNATURE [signature] TRAILER ID # 966-1T

PROCESSOR

TIME LEFT JOB LAST LOAD LOAD # SIX
JOB SITE REPRESENTATIVE LAST LOAD
Name Signature

Deliver to facility Location:
CANDELARIA ENVIRONMENTAL
4001 Candelaria Lane
Anza, CA 92539
(951) 763-0129

Main office:
Phone:(619) 696-6207
FAX (619) 696-5117
24hr Emergency (619) 696-6207

17389

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture

Delivered To & Weighed At:
Candelaria Environmental - Weighmaster
4001 Candelaria Lane
Anza, California 92539
909-763-0129

Weighed For: Woodside
APN: 05-12 Manifest No. 39226
Carrier: Buds 966-1
Truck License No. CP74492
Truck Trailer No. 4DF3195

Commodity: Non-Hazardous Soil/Material

WEIGHTS: [ ] GROSS: 33.86
[ ] TARE: 14.30
NET TONS: 19.56

Candelaria Environmental - Weighmaster
Gross & Tare
By: [signature] 3-17-05
Date Weighed

CANDELARIA ENVIRONMENTAL **№ 39168**

BIOTREATMENT FACILITY

NON-HAZARDOUS MATERIALS HAULING MANIFEST

GENERATOR

NAME: WOODSIDE AVENUE INVESTORS, LLC

ADDRESS: 11719-11749 WOODSIDE AVE. PHONE NO. (619) 300-9444

CITY, STATE, ZIP LAKESIDE, CA. APN: 2005-12

WASTE DESCRIPTION NON-HAZ SOIL GENERATING PROCESS LEAKING UST

COMPONENTS OF WASTE (PPM)	COMPONENTS OF WASTE (PPM)
DIESEL - IMPACTED SOIL	

PROPERTIES: SOLID YES

HANDLING INSTRUCTIONS: WEAR APPROPRIATE CLOTHING

GENERATOR CERTIFIES THAT THESE WASTES ARE RCRA NON-HAZARDOUS, AND CALIFORNIA NON-HAZARDOUS, BASED ON THE INFORMATION PROVIDED BY THE GENERATOR ON THE SOIL ACCEPTANCE APPLICATION AND THE ACCOMPANYING LABORATORY DATA

BY: [signature] / BRADLEY J. TIMEK DATE: 2/4/05

Signature / Print or Type Full Name

HAULER

COMPANY NAME [illegible] PHONE NO. 951-595-8098

ADDRESS [illegible] SERVICE ORDER NO.

CITY, STATE, ZIP [illegible] PICK UP DATE

TRUCK TYPE: DUMP #3 ROLL OFF ___ OTHER ___

TRUCK LIC. # [illegible] TRUCK ID # 501

DRIVER NAME [illegible] TRAILER LIC. # [illegible]

DRIVER SIGNATURE [signature] TRAILER ID # 89

PROCESSOR

TIME LEFT JOB ___ LOAD # SEVEN

JOB SITE REPRESENTATIVE ___

Name Signature

Deliver to facility Location:
CANDELARIA ENVIRONMENTAL
4001 Candelaria Lane
Anza, CA 92539
(951) 763-0129

Main office:
Phone:(619) 696-6207
FAX:(619) 696-5117
24 hr Emergency (619) 696-6207

M 847

17359

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a weighmaster authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture

Delivered To & Weighed At:
Candelaria Environmental - Weighmaster
4001 Candelaria Lane
Anza, California 92539
909-763-0129

Weighed For: Woodside Driver

APN: 05-12 Manifest No. 39168

Carrier: B13 501

Truck License No. 9D18225 Driver

Truck Trailer No. 1UTC045

Commodity: Non-Hazardous Soil/Material

WEIGHTS: [ ] GROSS: 43.38

[ ] TARE: 16.92

NET TONS: 26.18

Candelaria Environmental - Weighmaster
Gross & Tare

By: [signature] Driver

03/24/05 Date Weighed

CANDELARIA ENVIRONMENTAL **№ 39169**

BIOTREATMENT FACILITY

NON-HAZARDOUS MATERIALS HAULING MANIFEST

GENERATOR

NAME: WOODSIDE AVENUE INVESTORS, LLC
ADDRESS: 11719-11749 WOODSIDE AVE. PHONE NO. (619) 300-9444
CITY, STATE, ZIP LAKESIDE, CA. APN: 2005-12

WASTE DESCRIPTION NON-HAZ SOIL GENERATING PROCESS LEAKING UST
COMPONENTS OF WASTE (PPM) COMPONENTS OF WASTE (PPM)

DIESEL - IMPACTED SOIL

PROPERTIES: SOLID YES
HANDLING INSTRUCTIONS: WEAR APPROPRIATE CLOTHING

GENERATOR CERTIFIES THAT THESE WASTES ARE RCRA NON-HAZARDOUS, AND CALIFORNIA NON-HAZARDOUS, BASED ON THE INFORMATION PROVIDED BY THE GENERATOR ON THE SOIL ACCEPTANCE APPLICATION AND THE ACCOMPANYING LABORATORY DATA

BY: [signature] / BRADLEY J. TICK DATE: 3/4/05
Signature / Print or Type Full Name

HAULER

COMPANY NAME J.C.V. SALVAGE PHONE NO. 818 355 5622
ADDRESS 14401 SYLMAR WY. SERVICE ORDER NO.
CITY, STATE, ZIP L.A. 91016 PICK UP DATE
TRUCK TYPE: DUMP END ROLL OFF OTHER

TRUCK LIC. # 9D17677 TRUCK ID # 12
DRIVER NAME VLADIMIR SALMERON TRAILER LIC. #
DRIVER SIGNATURE [signature] TRAILER ID #

PROCESSOR

TIME LEFT JOB LOAD # EIGHT

JOB SITE REPRESENTATIVE
Name Signature

Deliver to facility Location:
CANDELARIA ENVIRONMENTAL
4001 Candelaria Lane
Anza, CA 92539
(951) 763-0129

Main office:
Phone:(619) 696-6207
FAX (619) 696-5117
24hr Emergency (619) 696-6207

17366

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurements Standards of the California Department of Food and Agriculture

Delivered To & Weighed At:
Candelaria Environmental - Weighmaster
4001 Candelaria Lane
Anza, California 92539
909-763-0129

Weighed For: Woodside Business
APN: 0512 Manifest No. 39169
Carrier: JCV. 12
Truck License No. 9D17677
Truck Trailer No. 4BV44490

Commodity: Non-Hazardous Soil/Material

WEIGHTS: [ ] GROSS: 39.76 Date
[ ] TARE: 15.35 Driver
NET TONS: 24.41 Date Weighed

Candelaria Environmental - Weighmaster
Gross & Tare
By: [signature] 03/04/05

CANDELARIA ENVIRONMENTAL **Nº 39170**

BIOTREATMENT FACILITY

NON-HAZARDOUS MATERIALS HAULING MANIFEST

GENERATOR

NAME: WOODSIDE AVENUE INVESTORS, LLC
ADDRESS: 11719-11749 WOODSIDE AVE. PHONE NO. (619) 300-9444
CITY, STATE, ZIP LAKESIDE, CA. APN: 2005-12

WASTE DESCRIPTION NON-HAZ SOIL GENERATING PROCESS LEAKING UST
COMPONENTS OF WASTE (PPM) COMPONENTS OF WASTE (PPM)

DIESEL - IMPACTED SOIL

PROPERTIES: SOLID YES
HANDLING INSTRUCTIONS: WEAR APPROPRIATE CLOTHING

GENERATOR CERTIFIES THAT THESE WASTES ARE RCRA NON-HAZARDOUS, AND CALIFORNIA NON-HAZARDOUS, BASED ON THE INFORMATION PROVIDED BY THE GENERATOR ON THE SOIL ACCEPTANCE APPLICATION AND THE ACCOMPANYING LABORATORY DATA

BY: [signature] / BRADLEY STRAUB DATE: 3/4/25
Signature / Print or Type Full Name

HAULER

COMPANY NAME B.B's TRKG. PHONE NO. 951-345-8098
ADDRESS 10025 COMMERCE ST. SERVICE ORDER NO.
CITY, STATE, ZIP BANNING, CA. 92220 PICK UP DATE 3/5/25
TRUCK TYPE: DUMP ED ROLL OFF ___ OTHER ___

TRUCK LIC. # 9D18228 TRUCK ID # 501
DRIVER NAME Jose M. Barrios TRAILER LIC. # 1VT6295
DRIVER SIGNATURE [signature] TRAILER ID # 09

PROCESSOR

TIME LEFT JOB ___ LOAD # NINE

JOB SITE REPRESENTATIVE ___
Name Signature

Deliver to facility Location:
CANDELARIA ENVIRONMENTAL
4001 Candelaria Lane
Anza, CA 92539
(951) 763-0129

Main office:
Phone:(619) 696-6207
FAX (619) 696-5117
24™ Emergency (619) 696-6207

M 6-97

17365

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurements Standards of the California Department of Food and Agriculture

Delivered To & Weighed At:
Candelaria Environmental - Weighmaster
4001 Candelaria Lane
Anza, California 92539
909-763-0129

Weighed For: WOODSIDE
APN: 05-12 Manifest No. 39170
Carrier: B.B's 501
Truck License No. 9D18228
Truck Trailer No. 1VT6291

Commodity: Non-Hazardous Soil/Material

WEIGHTS: [ ] GROSS: 41.72
[ ] TARE: 11.90
NET TONS: 29.82

Candelaria Environmental - Weighmaster
Gross & Tare
By: [signature] 03/04/25
Date Weighed

CANDELARIA ENVIRONMENTAL **Nº 39171**

BIOTREATMENT FACILITY

NON-HAZARDOUS MATERIALS HAULING MANIFEST

GENERATOR

NAME: WOODSIDE AVENUE INVESTORS, LLC
ADDRESS: 11719-11749 WOODSIDE AVE. PHONE NO. (619) 300-9444
CITY, STATE, ZIP LAKESIDE, CA. APN: 2005-12

WASTE DESCRIPTION NON-HAZ. SOIL GENERATING PROCESS LEAKING UST

COMPONENTS OF WASTE (PPM)	COMPONENTS OF WASTE (PPM)
DIESEL - IMPACTED SOIL	

PROPERTIES: SOLID YES
HANDLING INSTRUCTIONS: WEAR APPROPRIATE CLOTHING

GENERATOR CERTIFIES THAT THESE WASTES ARE RCRA NON-HAZARDOUS, AND CALIFORNIA NON-HAZARDOUS, BASED ON THE INFORMATION PROVIDED BY THE GENERATOR ON THE SOIL ACCEPTANCE APPLICATION AND THE ACCOMPANYING LABORATORY DATA

BY: [signature] / BRADLEY J. TUCK DATE: 3/4/05
Signature / Print or Type Full Name

HAULER

COMPANY NAME: Bali Transport PHONE NO. (909)633-3493
ADDRESS: 8605 Monterey Ave SERVICE ORDER NO.
CITY, STATE, ZIP Fontana CA 92335 PICK UP DATE 03/04/05
TRUCK TYPE: DUMP X ROLL OFF ___ OTHER ___

TRUCK LIC. # 9598625 TRUCK ID # 10
DRIVER NAME Carlos N Bly TRAILER LIC. # 4AV6715
DRIVER SIGNATURE [signature] TRAILER ID # T-21

PROCESSOR

TIME LEFT JOB ___ LOAD # 7EN
JOB SITE REPRESENTATIVE ___
Name Signature

Deliver to facility Location:
CANDELARIA ENVIRONMENTAL
4001 Candelaria Lane
Anza, CA 92539
(951) 763-0129

Main office:
Phone:(619) 696-6207
FAX (619) 696-5117
24hr Emergency (619) 696-6207

17372

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurements Standards of the California Department of Food and Agriculture

Delivered To & Weighed At:
Candelaria Environmental - Weighmaster
4001 Candelaria Lane
Anza, California 92539
909-763-0129

Weighed For: Woodside
APN: 05-12 Manifest No. 39171
Carrier: Bali 10
Truck License No. 9595625
Truck Trailer No. 4AV6715
Commodity: Non-Hazardous Soil/Material

WEIGHTS: [ ] GROSS: 39.45
[ ] TARE: 16.17
NET TONS: 23.28

Candelaria Environmental - Weighmaster
Gross & Tare
By: [signature] 3/4/05
Date Weighed

CANDELARIA ENVIRONMENTAL **Nº 38172**

BIOTREATMENT FACILITY

NON-HAZARDOUS MATERIALS HAULING MANIFEST

GENERATOR

NAME: WOODSIDE AVENUE INVESTORS, LLC

ADDRESS: 11719-11749 WOODSIDE AVE. PHONE NO: (619) 300-9444

CITY, STATE, ZIP LAKESIDE, CA. APN: 2005-12

WASTE DESCRIPTION NON-HAZ SOIL GENERATING PROCESS LEAKING UST

COMPONENTS OF WASTE (PPM) COMPONENTS OF WASTE (PPM)

DIESEL - IMPACTED SOIL

PROPERTIES: SOLID YES

HANDLING INSTRUCTIONS: WEAR APPROPRIATE CLOTHING

GENERATOR CERTIFIES THAT THESE WASTES ARE RCRA NON-HAZARDOUS, AND CALIFORNIA NON-HAZARDOUS, BASED ON THE INFORMATION PROVIDED BY THE GENERATOR ON THE SOIL ACCEPTANCE APPLICATION AND THE ACCOMPANYING LABORATORY DATA

BY: [signature] BRADLEY J. TUCK DATE: 3/4/05

Signature / Print or Type Full Name

HAULER

COMPANY NAME BUDS PHONE NO. 619 561-3903

ADDRESS PO Box 1521 SERVICE ORDER NO.

CITY, STATE, ZIP LAKESIDE CA PICK UP DATE 3/04/05

TRUCK TYPE: DUMP ✓ ROLL OFF ___ OTHER ___

TRUCK LIC. # CP74490 TRUCK ID # 966-21

DRIVER NAME DENNIS BUNN TRAILER LIC. # 4EJ2091

DRIVER SIGNATURE [signature] TRAILER ID # 966-21T

PROCESSOR

TIME LEFT JOB ___ LOAD # ELEVEN

JOB SITE REPRESENTATIVE ___

Name Signature

Deliver to facility Location:
CANDELARIA ENVIRONMENTAL
4001 Candelaria Lane
Anza, CA 92539
(951) 763-0129

Main office:
Phone:(619) 696-6207
FAX (619) 696-5117
24hr Emergency (619) 696-6207

M-147

17367

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of security, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, and licensed by the Division of Measurements Standards of the California Department of Food and Agriculture

Delivered To & Weighed At:
Candelaria Environmental - Weighmaster
4001 Candelaria Lane
Anza, California 92539
909-763-0129

Weighed For: Woodside Date: 3/4/05

APN: 05-12 Manifest No. 38172

Carrier: Buds 966-21 CP74490

Truck License No. 4E57581

Truck Trailer No.

Commodity: Non-Hazardous Soil/Material

WEIGHTS: | | GROSS: 35.82

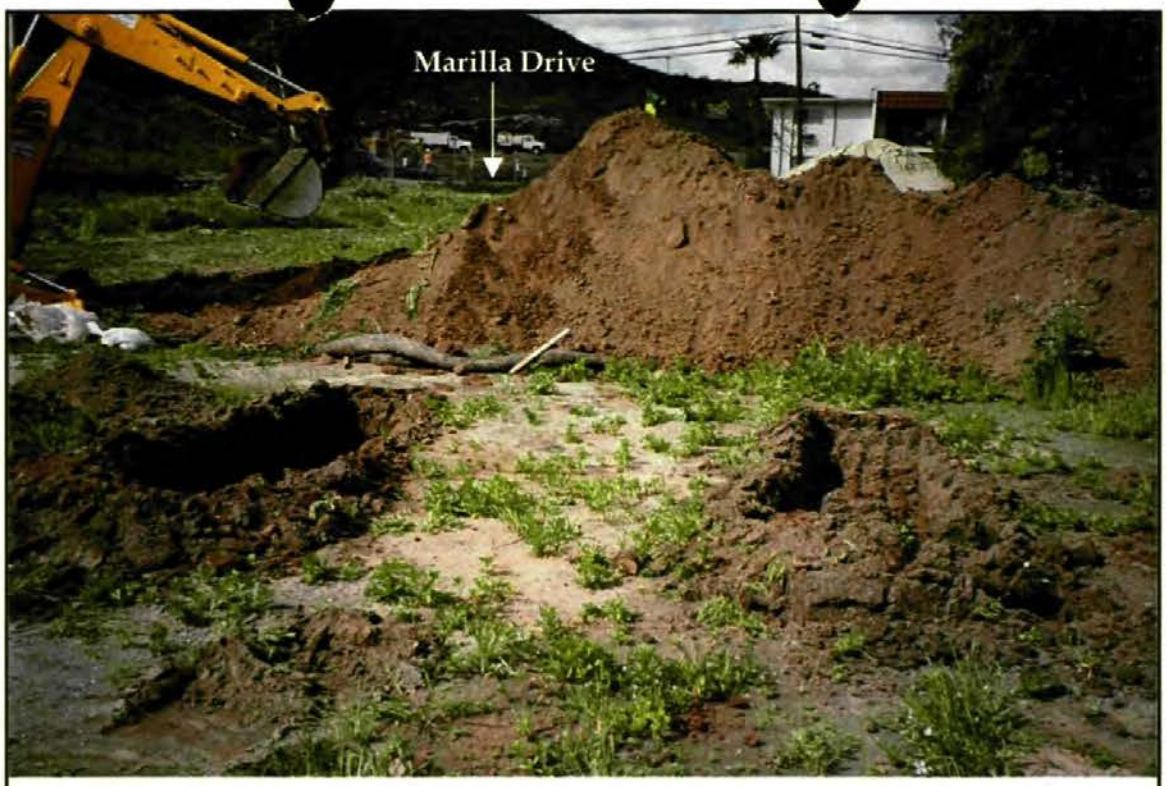
| | TARE: 12.95

NET TONS: 22.87

Candelaria Environmental - Weighmaster
Gross & Tare

By: [signature] Operator

03/04/05 Date Weighed



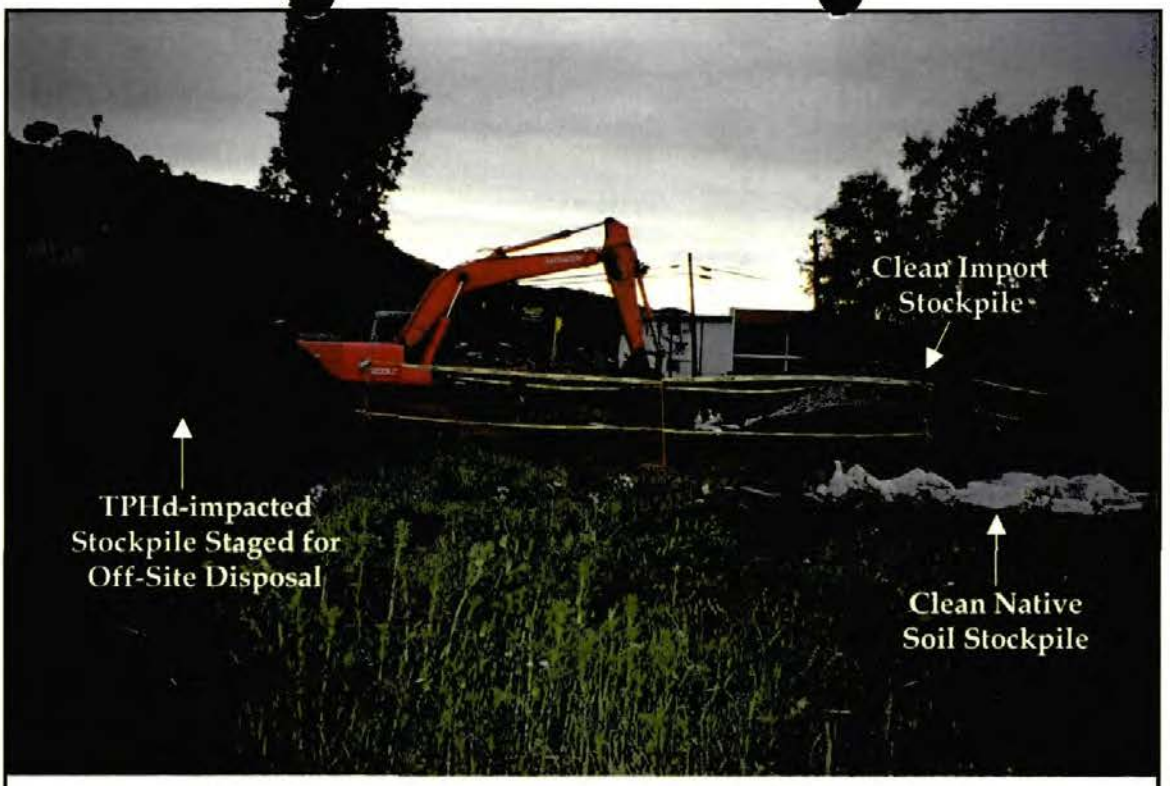
Exploratory trenches adjacent to former UST excavation. Looking west toward Marilla Drive.

Photograph #1	**ERM**	*Woodside* *Lakeside, California*



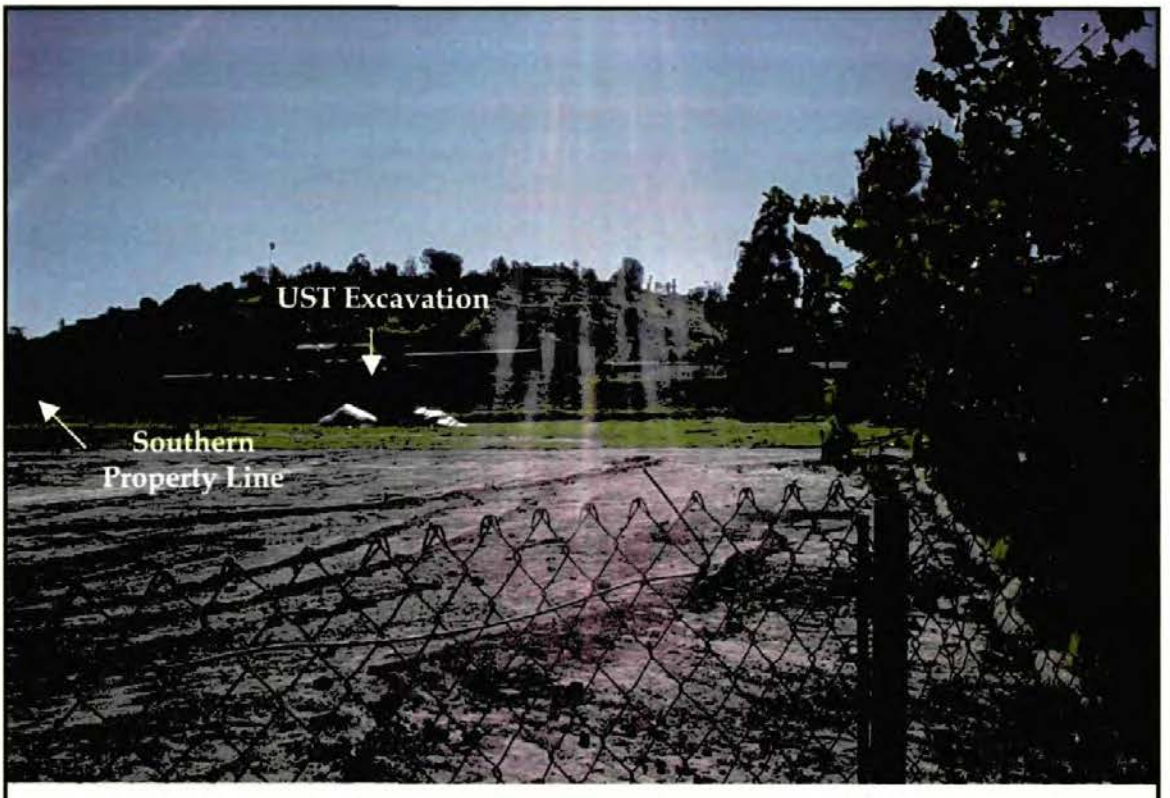
Exploratory trenches adjacent to former UST excavation.
Looking east along the southern property line.

Photograph #2	**ERM**	*Woodside* *Lakeside, California*



View of trackhoe excavating TPHd-impacted soil from UST area.

Photograph #3	**ERM**	*Woodside* *Lakeside, California*



View of site including UST excavation, looking south.

Photograph #4	**ERM**	*Woodside* *Lakeside, California*



View of northern boundary of site looking east.

Photograph #5	**ERM**	*Woodside* *Lakeside, California*



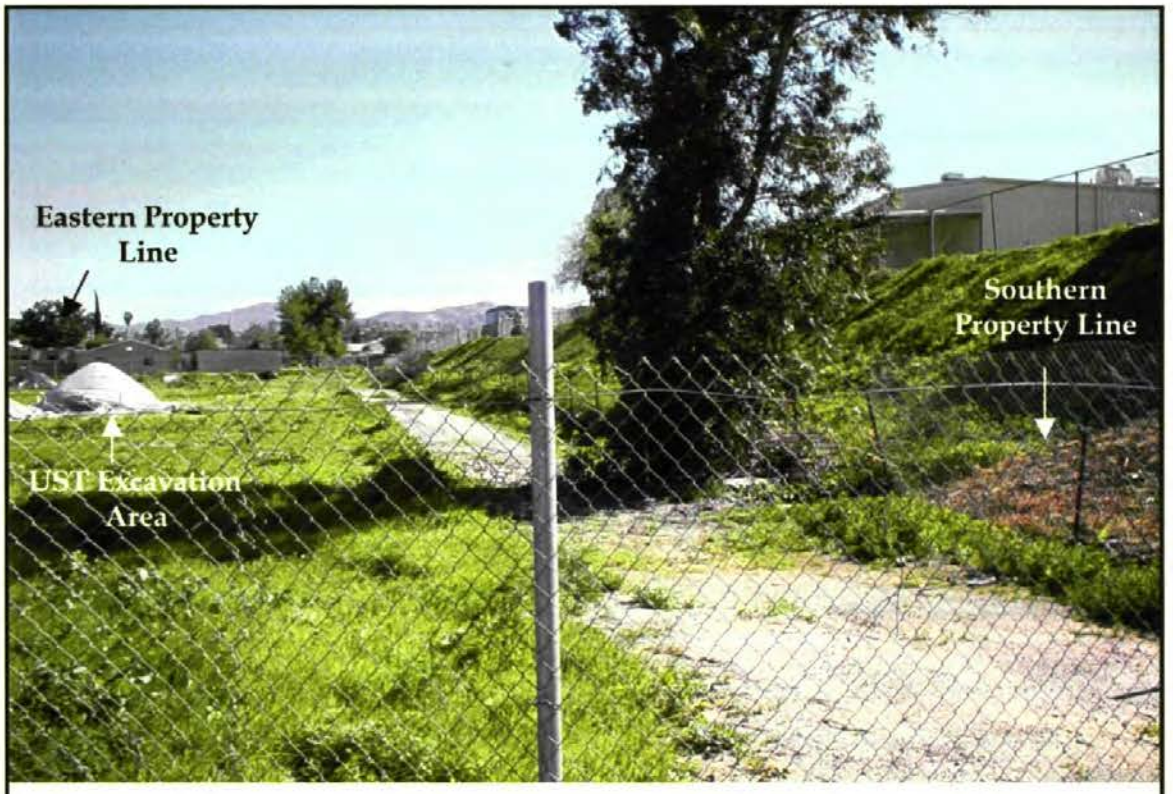
View of site from Marilla Drive looking northeast toward Woodside Avenue.

Photograph #6	**ERM**	*Woodside* *Lakeside, California*



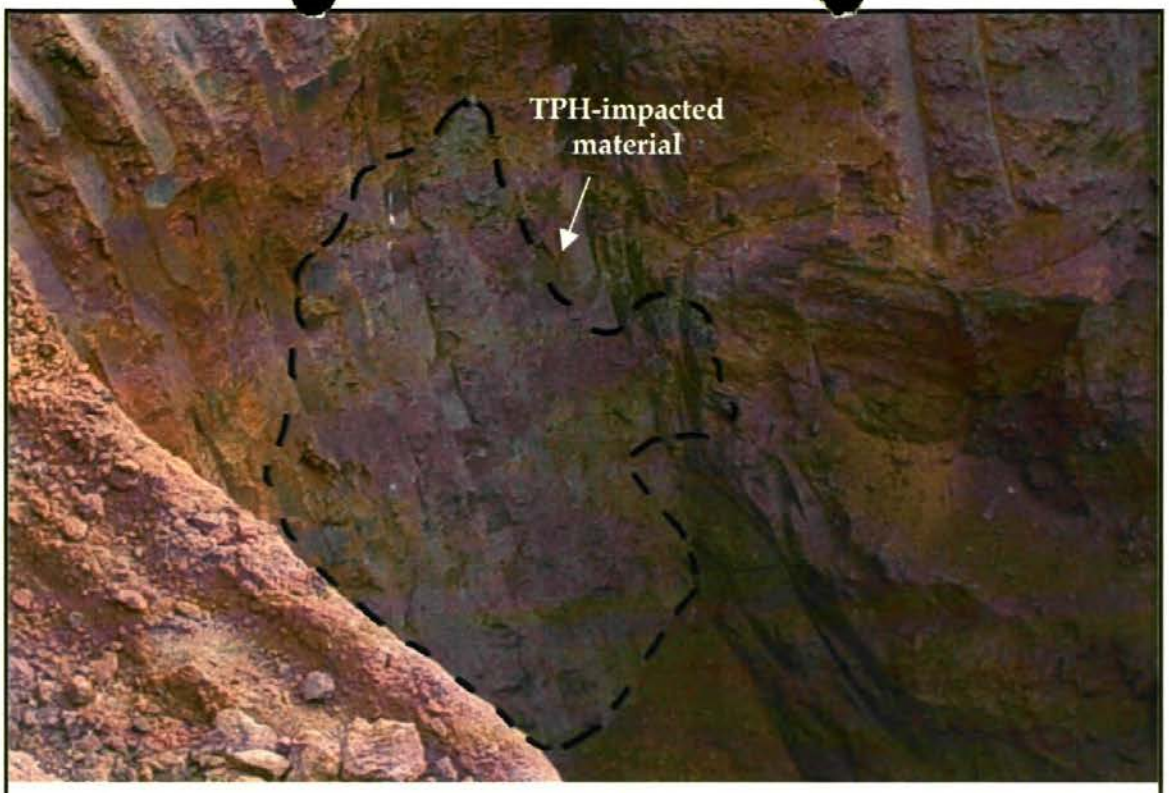
View of site looking northeast.

Photograph #7	**ERM**	*Woodside Lakeside, California*



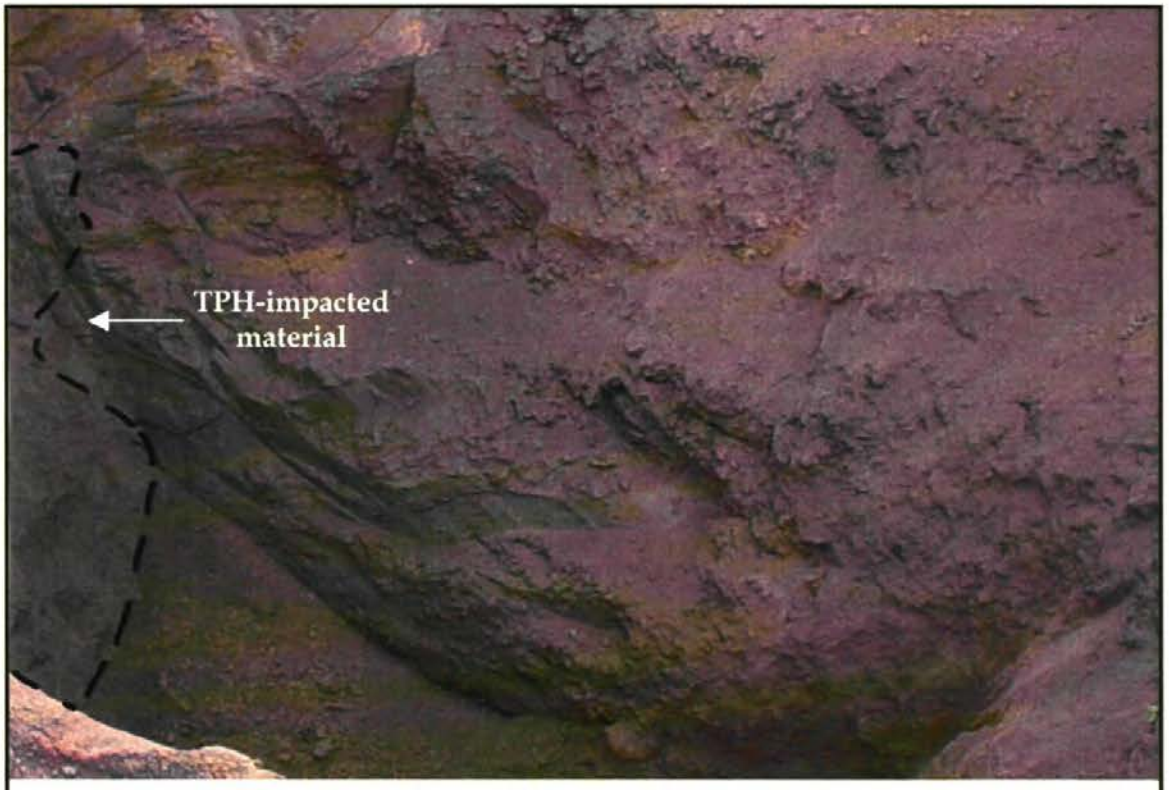
View of UST Excavation area looking east.

Photograph #8	**ERM**	*Woodside Lakeside, California*



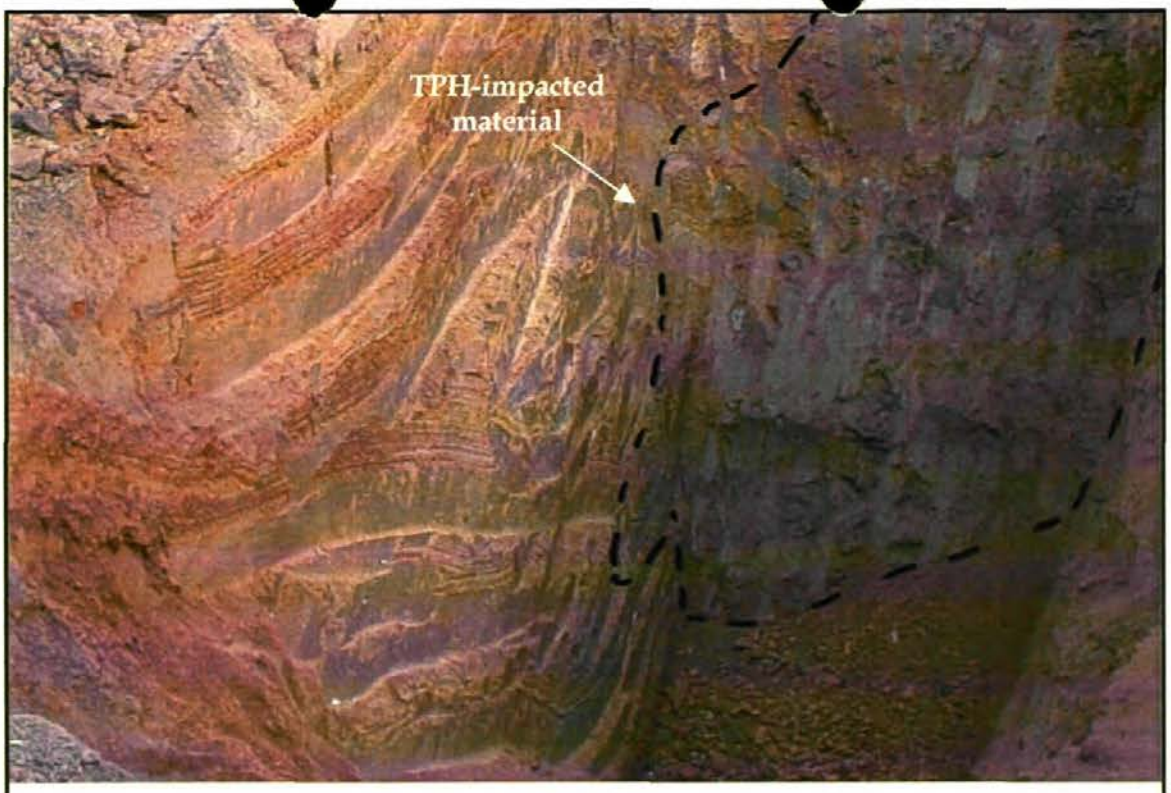
Northern wall of the UST excavation.

Photograph #9	**ERM**	*Woodside* *Lakeside, California*



Eastern extent of the UST excavation.

Photograph #10	**ERM**	*Woodside* *Lakeside, California*



Western wall of the UST excavation.

Photograph #11	**ERM**	*Woodside* *Lakeside, California*



Trackhoe excavating diesel-impacted soil, looking northeast.

Photograph #12	**ERM**	*Woodside* *Lakeside, California*



Vertical extent of the UST excavation.

Photograph #13	**ERM**	*Woodside* *Lakeside, California*

Appendix D

Laboratory Analytical Reports and Chain-Of-Custody Forms

MOBILE GEO CHEMISTRY

H&P

March 8, 2005

Ms. Dina Kourda
ERM-West, Inc.
3 Hutton Centre
Suite 600
Santa Ana, CA 92707

SUBJECT: DATA REPORT – FENCED LOT – 11719 WOODSIDE AVENUE – LAKESIDE, CA - ERM WEST, INC. PROJECT #0023679.02

H&P Project # ER030205W1

Ms. Kourda:

Please find enclosed a data report for the above referenced location. Soil samples were analyzed on-site in DOHS certified mobile laboratory (CERT. #1317)

Project Summary

The following analyses were conducted:

- 9 soils for total recoverable hydrocarbons (TPH) by DHS LUFT/8015M Method

The samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

H&P Mobile GeoChemistry appreciates the opportunity to provide analytical services to ERM-West, Inc. on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,

Blayne Hartman

Dr. Blayne Hartman

432 North Cedros Avenue, Solana Beach, California 92075 | 858 793.0401 — Fax 858 793.0404
148 South Vinewood Street, Escondido, California 92029 | 760 735.3208 — Fax 760 735.2469
2373 208th Street, Suite F-1, Torrance, California 90501 | 310 782.2929 — Fax 310 782.2798
www.HandPmg.com | 1-800-834-9888

MOBILE GEOCHEMISTRY

H&P

ERM-West, Inc.	H&P Project: ER030205-W1	
3 Hutton Centre, Suite 600	Project Number: 0023679.02; Vacant Lot	Reported:
Santa Ana CA, 92707	Project Manager: Ms. Dina Kourda	14-Mar-05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
UP-1-17'	W503003-12	Soil	02-Mar-05	02-Mar-05
UP-2-19'	W503004-02	Soil	03-Mar-05	03-Mar-05
UP-3-19'	W503004-03	Soil	03-Mar-05	03-Mar-05
UP-7-18'	W503004-04	Soil	03-Mar-05	03-Mar-05
UP-5-18'	W503004-05	Soil	03-Mar-05	03-Mar-05
UP-4-18'	W503004-06	Soil	03-Mar-05	03-Mar-05
UP-6-18'	W503004-07	Soil	03-Mar-05	03-Mar-05
UP-8-17'	W503004-08	Soil	03-Mar-05	03-Mar-05
UP-9-19.5'	W503004-09	Soil	03-Mar-05	03-Mar-05

MOBILE GEOCHEMISTRY

H&P

ERM-West, Inc.	H&P Project: ER030205-W1	
3 Hutton Centre, Suite 600	Project Number: 0023679.02; Vacant Lot	Reported:
Santa Ana CA, 92707	Project Manager: Ms. Dina Kourda	14-Mar-05

Soil Analyses

H&P Mobile Geochemistry Lab W1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Analyzed	Method	Notes
UP-1-17' (W503003-12) Soil	**Sampled: 02-Mar-05**	**Received: 02-Mar-05**						
Gasoline (C5-C11)	ND	10	mg/kg	1	WC50201	02-Mar-05	DHS LUFT	
Diesel (C12-C24)	5400	10	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	
UP-2-19' (W503004-02) Soil	**Sampled: 03-Mar-05**	**Received: 03-Mar-05**						
Gasoline (C5-C11)	ND	10	mg/kg	1	WC50301	03-Mar-05	DHS LUFT	
Diesel (C12-C24)	36	10	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	
UP-3-19' (W503004-03) Soil	**Sampled: 03-Mar-05**	**Received: 03-Mar-05**						
Gasoline (C5-C11)	ND	10	mg/kg	1	WC50301	03-Mar-05	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	
UP-7-18' (W503004-04) Soil	**Sampled: 03-Mar-05**	**Received: 03-Mar-05**						
Gasoline (C5-C11)	ND	10	mg/kg	1	WC50301	03-Mar-05	DHS LUFT	
Diesel (C12-C24)	12	10	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	
UP-5-18' (W503004-05) Soil	**Sampled: 03-Mar-05**	**Received: 03-Mar-05**						
Gasoline (C5-C11)	ND	10	mg/kg	1	WC50301	03-Mar-05	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	
UP-4-18' (W503004-06) Soil	**Sampled: 03-Mar-05**	**Received: 03-Mar-05**						
Gasoline (C5-C11)	ND	10	mg/kg	1	WC50301	03-Mar-05	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	
UP-6-18' (W503004-07) Soil	**Sampled: 03-Mar-05**	**Received: 03-Mar-05**						
Gasoline (C5-C11)	ND	10	mg/kg	1	WC50301	03-Mar-05	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	
UP-8-17' (W503004-08) Soil	**Sampled: 03-Mar-05**	**Received: 03-Mar-05**						
Gasoline (C5-C11)	ND	10	mg/kg	1	WC50301	03-Mar-05	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

ERM-West, Inc.	H&P Project: ER030205-W1	
3 Hutton Centre, Suite 600	Project Number: 0023679.02; Vacant Lot	Reported:
Santa Ana CA, 92707	Project Manager: Ms. Dina Kourda	14-Mar-05

Soil Analyses

H&P Mobile Geochemistry Lab W1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Analyzed	Method	Notes
UP-9-19.5' (W503004-09) Soil	**Sampled: 03-Mar-05**	**Received: 03-Mar-05**						
Gasoline (C5-C11)	ND	10	mg/kg	1	WC50301	03-Mar-05	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

ERM-West, Inc.	H&P Project: ER030205-W1	
3 Hutton Centre, Suite 600	Project Number: 0023679.02; Vacant Lot	Reported:
Santa Ana CA, 92707	Project Manager: Ms. Dina Kourda	14-Mar-05

Soil Analyses - Quality Control
H&P Mobile Geochemistry Lab W1

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch WC50201 - Freon Extraction										
Blank (WC50201-BLK1)				Prepared & Analyzed: 02-Mar-05						
Gasoline (C5-C11)	ND	10	mg/kg							
Diesel (C12-C24)	ND	10	"							
Motor Oil (C25-C36)	ND	25	"							
Matrix Spike (WC50201-MS1)		Source: W503003-02		Prepared & Analyzed: 02-Mar-05						
Gasoline (C5-C11)	160	10	mg/kg	200		80.0	75-124			
Diesel (C12-C24)	490	10	"	500		98.0	80-116			
Matrix Spike Dup (WC50201-MSD1)		Source: W503003-02		Prepared & Analyzed: 02-Mar-05						
Gasoline (C5-C11)	160	10	mg/kg	200		80.0	75-124	0.00	30	
Diesel (C12-C24)	460	10	"	500		92.0	80-116	6.32	30	
Batch WC50301 - Freon Extraction										
Blank (WC50301-BLK1)				Prepared & Analyzed: 03-Mar-05						
Gasoline (C5-C11)	ND	10	mg/kg							
Diesel (C12-C24)	ND	10	"							
Motor Oil (C25-C36)	ND	25	"							
Matrix Spike (WC50301-MS1)		Source: W503004-01		Prepared & Analyzed: 03-Mar-05						
Gasoline (C5-C11)	160	10	mg/kg	200		80.0	75-124			
Diesel (C12-C24)	550	10	"	500		110	80-116			
Matrix Spike Dup (WC50301-MSD1)		Source: W503004-01		Prepared & Analyzed: 03-Mar-05						
Gasoline (C5-C11)	150	10	mg/kg	200		75.0	75-124	6.45	30	
Diesel (C12-C24)	520	10	"	500		104	80-116	5.61	30	

MOBILE GEOCHEMISTRY

H&P

ERM-West, Inc.	H&P Project: ER030205-W1	
3 Hutton Centre, Suite 600	Project Number: 0023679.02; Vacant Lot	Reported:
Santa Ana CA, 92707	Project Manager: Ms. Dina Kourda	14-Mar-05

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

HP LABS

148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☒ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☐ 2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

Date: 3-2-05
HPL Project #: ER 030205 WI
Outside Lab:

Client: ERM - West, Inc. Collection: Dina Page: 1 of 2
Address: 1777 Botelho Dr #260 Walnut Creek CA 94596 Client Project #: 0021671.01.02 Project Manager: Dina Kowalski
Location: Fenced Lot, Lakeside
Phone: 714-430-1476 Fax: 760-436-2940 Turn around time:

Global ID: EDF: Yes / No

Report to 3 Hutton Centre #600
Santa Ana, CA
92707

Sample Receipt:
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

	Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX/ Oxygenates	8260B: Oxygenates	8260B: VOCs	8260B: VOCs and Oxygenates	Methane	Field Gases	Total # of containers
1	D1			1230	3/2	SOIL	JAR	X	X										
2	D2			1235				X	X										
3	D3			1245				X	X										
4	D4			1250				X	X										
5	D5			1255				X	X										
6	D6-7-8			1300				X	X										
7	DP1-4			1200				X	X										
8	DP-2-5			1215				X	X										1
9	DP-6-5S			1500				X	X										
10	DP-6-5N			1510				X	X										
11	DP-6-5E			1505				X	X										
12	DP-1-17'			1535				X	X										
13	DP 3-6S			1515				X	X										
14	DP-4-6M			1520				X	X										

Relinquished by: (Signature)	(company) ERM	Received by: (Signature) Chris Villarreal	(company) HHP	Date: 3/2/05	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

Chain of Custody Record

HP LABS

☐ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☒ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☐ 2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

Date: 3-3-05
HPL Project #: ER030205 W1
Outside Lab:

Client: ERM-West Attn: Dina Kourda
Address: 3 Hutton Centre Suite 600
Santa Ana CA
Phone: 1-714-430 1476 Fax: 1-714-436-2940

Collector: Dina Kourda
Client Project #: 002 6769.01.02
Location: Lakside
Turn around time:

Page: 1 of 1
Project Manager: D. Kourda

Global ID:
EDF: Yes / (No)

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

	Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOC's	8260B: VOC's and Oxygenates	Methane	Fixed Gases						Total # of containers
1	DP-7-3W'			830	3/3	Soil	JAR	X	X															
2	UP-2-18'	N		950				X	X															
3	UP-3-19'	S		955				X	X															
4	UP-7-18'	W		1000				X	X															
5	UP-5-18'	S		1005				X	X															
6	UP-4-18	N		1010				X	X															
7	UP-6-18'	E		1015				X	X															
8	UP-8-17	W		1140				X	X															
9	UP-9-19.5	N		1145				X	X															

Relinquished by: (Signature)	(company) ERM	Received by: (Signature) Janis Villareal	(company)	Date: 3-3-05 Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

Calscience
Environmental
Laboratories, Inc.

March 11, 2005

Dina Kourda
ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Subject: **Calscience Work Order No.: 05-03-0451**
Client Reference: 0026769.01.03/Woodside, Lakeside

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/7/2005 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Paul Mead

Calscience Environmental
Laboratories, Inc.
Paul Mead
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 03/07/05
Work Order No: 05-03-0451
Preparation: EPA 3550B
Method: TPH - Carbon Range
Units: mg/kg

Project: 0026769.01.03/Woodside, Lakeside

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SP-01	05-03-0451-1	03/06/05	Solid	03/09/05	03/10/05	050309B04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C19-C20	0.079		1	
C8	ND		1		C21-C22	ND		1	
C9-C10	ND		1		C23-C24	ND		1	
C11-C12	ND		1		C25-C28	ND		1	
C13-C14	0.25		1		C29-C32	ND		1	
C15-C16	0.57		1		C33-C36	ND		1	
C17-C18	0.27		1		C7-C36 Total	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	106	62-152	

SP-02	05-03-0451-2	03/06/05	Solid	03/09/05	03/10/05	050309B04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C19-C20	1.1		1	
C8	ND		1		C21-C22	0.92		1	
C9-C10	ND		1		C23-C24	0.77		1	
C11-C12	ND		1		C25-C28	3.4		1	
C13-C14	0.24		1		C29-C32	5.9		1	
C15-C16	0.51		1		C33-C36	2.0		1	
C17-C18	0.63		1		C7-C36 Total	15	5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	125	62-152	

SP-03	05-03-0451-3	03/06/05	Solid	03/09/05	03/10/05	050309B04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C19-C20	3.0		1	
C8	ND		1		C21-C22	1.2		1	
C9-C10	ND		1		C23-C24	0.12		1	
C11-C12	ND		1		C25-C28	0.096		1	
C13-C14	2.7		1		C29-C32	0.97		1	
C15-C16	5.7		1		C33-C36	0.72		1	
C17-C18	4.7		1		C7-C36 Total	19	5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	106	62-152	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 03/07/05
Work Order No: 05-03-0451
Preparation: EPA 3550B
Method: TPH - Carbon Range
Units: mg/kg

Project: 0026769.01.03/Woodside, Lakeside

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SP-04	05-03-0451-4	03/06/05	Solid	03/09/05	03/10/05	050309B04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C19-C20	12		1	
C8	ND		1		C21-C22	6.1		1	
C9-C10	ND		1		C23-C24	2.0		1	
C11-C12	3.6		1		C25-C28	3.3		1	
C13-C14	21		1		C29-C32	4.5		1	
C15-C16	32		1		C33-C36	3.9		1	
C17-C18	24		1		C7-C36 Total	110	5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	109	62-152	

Method Blank	098-03-002-4,072	N/A	Solid	03/09/05	03/10/05	050309B04

Parameter	Result	RL	DF	Qual
TPH as Diesel	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	62-152	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 03/07/05
Work Order No: 05-03-0451
Preparation: EPA 3550B
Method: TPH - Carbon Range

Project 0026769.01.03/Woodside, Lakeside

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
05-03-0461-13	Solid	GC 2	03/09/05	03/10/05	050309S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	86	80	71-125	7	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

ERM-WEST		Date Received:	N/A
3 Hutton Centre Dr., Suite 600		Work Order No:	05-03-0451
Santa Ana, CA 92707-8751		Preparation:	EPA 3550B
		Method:	TPH - Carbon Range

Project: 0026769.01.03/Woodside, Lakeside

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
098-03-002-4,072	Solid	GC 21	03/10/05	079F7901	050309B041

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
TPH as Diesel	400	360	90	71-119	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 05-03-0451

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Environmental Resources Management

CHAIN OF CUSTODY RECORD (DAS1)

NO: 0599

Page 1 of 1

3 Hutton Centre, Suite 600 ● South Coast Metro, CA 92707 ● (714) 430-1476 ● FAX (714) 436-2940

PROJECT #	PROJECT NAME
0026769.01.03	Woodside, Lakeside

SAMPLER: (PRINT NAME)	(SIGNATURE)
Neil Coy	

RECEIVING LABORATORY: CalScience

	SAMPLE I.D.	DATE	TIME	COMP	GRAB	SAMPLING METHOD	PRESERVATIVE	ICE (Y/N)	SAMPLING VOLUME	# OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	MATRIX: GAS	REQUESTED PARAMETERS: 8260 B	8015 (Carbon Chain)	CAM 17 Metals			Normal TAT					
1	SP-01	3/6/05	0822		X		ice	Y							X									
2	02	↓	0830		X		↓	↓							X					↓				
3	03		0844		X										X									
4	04	↓	0900		X		↓	↓							X					↓				

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME	FIELD REMARKS
	3/07/05	1600	CEL	3/7/5	1600	
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME	
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME	
CEL	3/7/5	1655		3/7/05	1655	

SPECIAL REMARKS/WAYBILL NUMBER

☐ BOTTLE INTACT ☐ CUSTODY SEALS ☐ CHILLED
☐ PRESERVED ☐ SEALS INTACT ☐ SEE REMARKS

SEND REPORT TO:

WHITE - LABORATORY COPY CANARY - FIELD COPY PINK - DATABASE MANAGER GOLD - PROJECT FILE

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 05 - 03 - 0451

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: ERM **DATE:** 3/7/15

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- _____ Chilled, cooler with temperature blank provided.
- _____ Chilled, cooler without temperature blank.
- ✓ Chilled and placed in cooler with wet ice.
- _____ Ambient and placed in cooler with wet ice.
- _____ Ambient temperature.

2.3 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

- _____ °C Temperature blank.
- _____ °C IR thermometer.
- _____ Ambient temperature.

Initial: [illegible]

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Applicable (N/A): ✓

Initial: [illegible]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: [illegible]

COMMENTS:

FAX

Date November 30, 2004

Number of pages including cover sheet 10

TO: *Mr. Mike Vernetti*
County of San Diego DEH

Phone
Fax *619-338-2315*

FROM: *Ronald J. Kofron*
Geocon Consultants, Inc.
6970 Flanders Drive
San Diego CA 92121

Phone *858.558.6100*
Fax *858.558.8437*

CC:

REMARKS: ☐ *Urgent* ☒ *For your review* ☐ *Reply ASAP* ☒ *Please Comment*

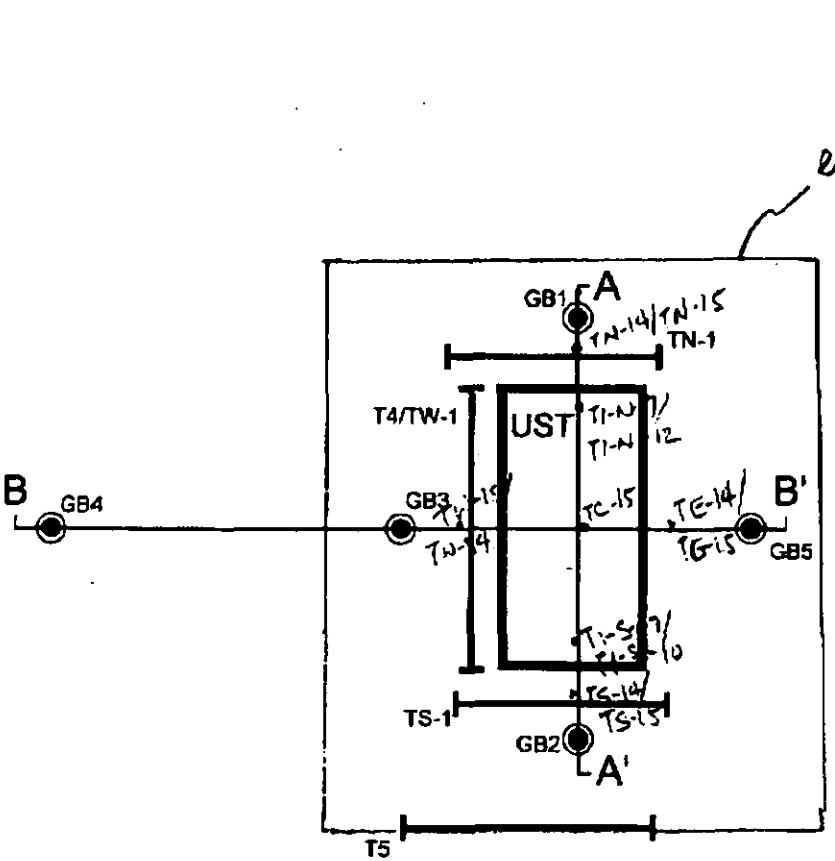
Subject: 11719-11749 Woodside Avenue, Lakeside

Reference: 09429-06-03

Dear Mr. Vernetti,

Attached are plan and cross sectional views of the former UST area, with soil sample results, at the project on Woodside Avenue. The hand-written sample locations and diesel concentrations were done after the UST was removed. No BTEX, other than toluene of 22 ug/kg at T1-S-7, was found in the samples collected after the tank removal.

11719-11749 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA



N

APPROX. SCALE: 1" = 5'

GEOCON LEGEND

UST ..... UNDERGROUND STORAGE TANK

GB1 ..... APPROX. LOCATION OF SOIL BORING

TN-1 ..... APPROX. LOCATION OF TRENCH

A A' ..... APPROX. LOCATION OF CROSS-SECTION

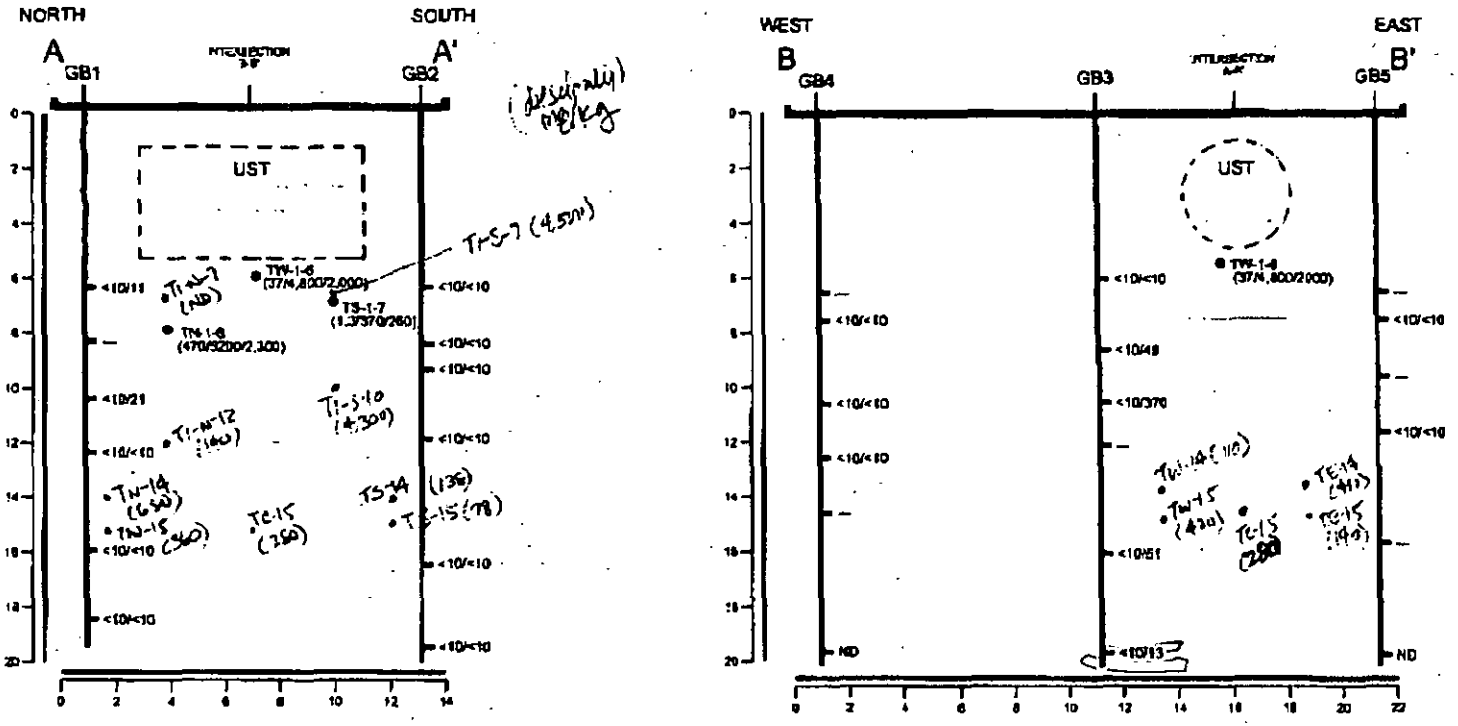
GEOCON
CONSULTANTS, INC.
ENVIRONMENTAL ■ GEOTECHNICAL ■ MATERIALS
6970 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121 - 2974
PHONE (858) 558-6100 - FAX (858) 558-8437

PROJECT NO. 09429 - 06 - 01
FIGURE 4
DATE

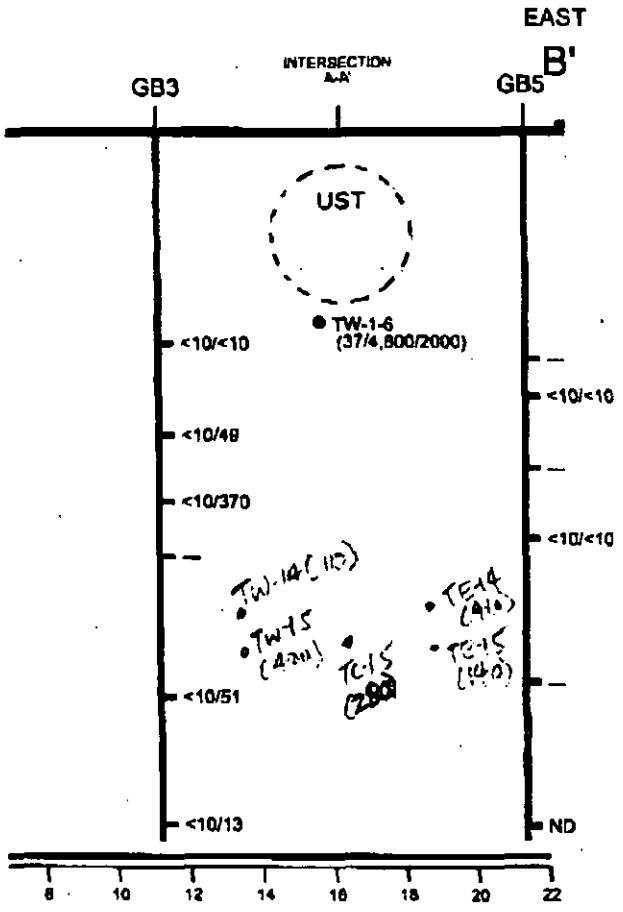
DETAIL VIEW - UST

M:\cad\Drawings\Environmental\09429-06-01(Woodside Ave.)\Existing UST

11/30/2004 10:07 858-558-8437 GEOCON CONSULTANTS PAGE 02/10


NORTH
A
GB1
INTERSECTION
SOUTH
A'
GB2
UST
TW-1-6
(37'N,800'2,000)
TS-1-7
(1,370'260)
TW-1-8
(470'S200'2,300)
TS-1-7 (4,5'N')
<10/11
<10/21
<10/<10
<10/<10
<10/

11719-11749 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA



GEOCON LEGEND

GB3 ..... APPROX. LOCATION OF SOIL BORING SHOWING SOIL SAMPLE DEPTH AND RESULT FOR TPH (Gasoline/Diesel)

TW-1-6 (37/4,800/2,000) ..... APPROX. LOCATION OF SOIL COLLECTED DURING TRENCHING SHOWING SOIL SAMPLE DEPTH AND RESULT FOR TPH (Gasoline/Diesel/Motoroil)

RESULTS ARE IN MILLIGRAMS PER KILOGRAM (mg/kg)

<10 ..... NOT DETECTED AT OR ABOVE THE LABORATORY DETECTION LIMIT

— ..... NOT ANALYZED

UST ..... UNDERGROUND STORAGE TANK Removed 11/23/04

SOIL SAMPLES BENEATH FORMER TANK COLLECTED 11/22/04 & 11/23/04

LINES OF CROSS-SECTIONS A-A' AND B-B' -

GEOCON CONSULTANTS, INC.
ENVIRONMENTAL ■ GEOTECHNICAL ■ MATERIALS
6970 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121 - 2974
PHONE (858) 558-6100 - FAX (858) 558-8437
PROJECT NO. 09429 - 08 - 01
FIGURE 7
DATE

MOBILE GEOCHEMISTRY
H&P

H&P Mobile Geochemistry	Project: GC112404-30	
148 South Vinewood Street	Project Number: E411045	Reported:
Escondido CA, 92029	Project Manager: Becky Johnson	24-Nov-04 16:09

DRAFT: TPH by GC FID

H&P Mobile Geochemistry Lab I.3

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DRAFT: E411045-01 (3411004-01) Soil	**Sampled: 24-Nov-04 08:25**		**Received: 24-Nov-04 13:00**						
Diesel (C12-C24) TN-14	680	10	mg/kg	1	3K42401	24-Nov-04	24-Nov-04	DHS LUFT/8015M	
Motor Oil (C25-C36)	ND	10	"	"	"	"	"	"	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
DRAFT: E411045-02 (3411004-02) Soil	**Sampled: 24-Nov-04 08:27**		**Received: 24-Nov-04 13:00**						
Diesel (C12-C24)	140	10	mg/kg	1	3K42401	24-Nov-04	24-Nov-04	DHS LUFT/8015M	
Motor Oil (C25-C36) TS-14	ND	10	"	"	"	"	"	"	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
DRAFT: E411045-03 (3411004-03) Soil	**Sampled: 24-Nov-04 08:55**		**Received: 24-Nov-04 13:00**						
Diesel (C12-C24)	410	10	mg/kg	1	3K42401	24-Nov-04	24-Nov-04	DHS LUFT/8015M	
Motor Oil (C25-C36) TE-14	ND	10	"	"	"	"	"	"	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
DRAFT: E411045-04 (3411004-04) Soil	**Sampled: 24-Nov-04 09:18**		**Received: 24-Nov-04 13:00**						
Diesel (C12-C24)	110	10	mg/kg	1	3K42401	24-Nov-04	24-Nov-04	DHS LUFT/8015M	
Motor Oil (C25-C36) TW-14	ND	10	"	"	"	"	"	"	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
DRAFT: E411045-05 (3411004-05) Soil	**Sampled: 24-Nov-04 09:40**		**Received: 24-Nov-04 13:00**						
Diesel (C12-C24)	280	10	mg/kg	1	3K42401	24-Nov-04	24-Nov-04	DHS LUFT/8015M	
Motor Oil (C25-C36) TC-15	ND	10	"	"	"	"	"	"	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
DRAFT: E411045-06 (3411004-06) Soil	**Sampled: 24-Nov-04 09:41**		**Received: 24-Nov-04 13:00**						
Diesel (C12-C24)	420	10	mg/kg	1	3K42401	24-Nov-04	24-Nov-04	DHS LUFT/8015M	
Motor Oil (C25-C36) TW-15	ND	10	"	"	"	"	"	"	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

H&P Mobile Geochemistry 148 South Vinewood Street Escondido CA, 92029	Project: GC112404-30 Project Number: E411045 Project Manager: Becky Johnson	Reported: 24-Nov-04 16:09

DRAFT: TPH by GC FID

H&P Mobile Geochemistry Lab L3

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DRAFT: E411045-07 (3411004-07) Soil	**Sampled: 24-Nov-04 09:43**		**Received: 24-Nov-04 13:00**						
Diesel (C12-C24) TN-15	360	10	mg/kg	1	3K42401	24-Nov-04	24-Nov-04	DHS LUFT/8015M	
Motor Oil (C25-C36)	ND	10	"	"	"	"	"	"	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
DRAFT: E411045-08 (3411004-08) Soil	**Sampled: 24-Nov-04 09:45**		**Received: 24-Nov-04 13:00**						
Diesel (C12-C24) TE-15	140	10	mg/kg	1	3K42401	24-Nov-04	24-Nov-04	DHS LUFT/8015M	
Motor Oil (C25-C36)	ND	10	"	"	"	"	"	"	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
DRAFT: E411045-09 (3411004-09) Soil	**Sampled: 24-Nov-04 09:47**		**Received: 24-Nov-04 13:00**						
Diesel (C12-C24) TS-15	78	10	mg/kg	1	3K42401	24-Nov-04	24-Nov-04	DHS LUFT/8015M	
Motor Oil (C25-C36)	ND	10	"	"	"	"	"	"	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Geocon	Project: GC112404-30	
6970 Flanders Drive	Project Number: 09429-06-03/11719 Woodside Ave.	Reported:
San Diego CA, 92121	Project Manager: Ms. Linda Kung	24-Nov-04

DRAFT: Volatile Organic Compounds by EPA Method 8260B

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DRAFT: TC-15 (E411045-05) Soil	**Sampled: 24-Nov-04**	**Received: 24-Nov-04**							
Methyl tert-butyl ether	ND	5	ug/kg	0.5	EK42401	24-Nov-04	24-Nov-04	EPA 8260B	
Di-isopropyl ether	ND	5	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	5	"	"	"	"	"	"	
Benzene	ND	5	"	"	"	"	"	"	
Toluene	ND	5	"	"	"	"	"	"	
Ethylbenzene	ND	5	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5	"	"	"	"	"	"	
Tert-butyl alcohol	ND	25	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*90.4 %*		*65-135*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86.4 %*		*52-149*		"	"	"	
Surrogate: Toluene-d8		*92.8 %*		*65-135*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*78.8 %*		*65-135*		"	"	"	
DRAFT: TW-15 (E411045-06) Soil	**Sampled: 24-Nov-04**	**Received: 24-Nov-04**							
Methyl tert-butyl ether	ND	5	ug/kg	0.5	EK42401	24-Nov-04	24-Nov-04	EPA 8260B	
Di-isopropyl ether	ND	5	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	5	"	"	"	"	"	"	
Benzene	ND	5	"	"	"	"	"	"	
Toluene	ND	5	"	"	"	"	"	"	
Ethylbenzene	ND	5	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5	"	"	"	"	"	"	
Tert-butyl alcohol	ND	25	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*90.4 %*		*65-135*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90.0 %*		*52-149*		"	"	"	
Surrogate: Toluene-d8		*92.8 %*		*65-135*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.0 %*		*65-135*		"	"	"	

MOBILE GEOCHEMISTRY
H&P

Geocon
6970 Flanders Drive
San Diego CA, 92121

Project: GC112404-30
Project Number: 09429-06-03/11719 Woodside Ave.
Project Manager: Ms. Linda Kung

Reported:
24-Nov-04

DRAFT: Volatile Organic Compounds by EPA Method 8260B

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DRAFT: TN-15 (E411045-07) Soil Sampled: 24-Nov-04 Received: 24-Nov-04									
Methyl tert-butyl ether	ND	5	ug/kg	0.5	EK42401	24-Nov-04	24-Nov-04	EPA 8260B	
Di-isopropyl ether	ND	5	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	5	"	"	"	"	"	"	
Benzene	ND	5	"	"	"	"	"	"	
Toluene	ND	5	"	"	"	"	"	"	
Ethylbenzene	ND	5	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5	"	"	"	"	"	"	
Tert-butyl alcohol	ND	25	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94.0 %*	*65-135*	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*52-149*	"	"	"	"	"	
Surrogate: Toluene-d8		*96.4 %*	*65-135*	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.0 %*	*65-135*	"	"	"	"	"	
DRAFT: TE-15 (E411045-08) Soil Sampled: 24-Nov-04 Received: 24-Nov-04									
Methyl tert-butyl ether	ND	5	ug/kg	0.5	EK42401	24-Nov-04	24-Nov-04	EPA 8260B	
Di-isopropyl ether	ND	5	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	5	"	"	"	"	"	"	
Benzene	ND	5	"	"	"	"	"	"	
Toluene	ND	5	"	"	"	"	"	"	
Ethylbenzene	ND	5	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5	"	"	"	"	"	"	
Tert-butyl alcohol	ND	25	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*90.0 %*	*65-135*	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90.4 %*	*52-149*	"	"	"	"	"	
Surrogate: Toluene-d8		*91.2 %*	*65-135*	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.8 %*	*65-135*	"	"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Geocon	Project: GC112404-30	
6970 Flanders Drive	Project Number: 09429-06-03/11719 Woodside Ave.	Reported:
San Diego CA, 92121	Project Manager: Ms. Linda Kung	24-Nov-04

DRAFT: Volatile Organic Compounds by EPA Method 8260B

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DRAFT: TS-15 (E411045-09) Soil Sampled: 24-Nov-04 Received: 24-Nov-04									
Methyl tert-butyl ether	ND	5	ug/kg	0.5	EK42401	24-Nov-04	24-Nov-04	EPA 8260B	
Di-isopropyl ether	ND	5	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	5	"	"	"	"	"	"	
Benzene	ND	5	"	"	"	"	"	"	
Toluene	ND	5	"	"	"	"	"	"	
Ethylbenzene	ND	5	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5	"	"	"	"	"	"	
Tert-butyl alcohol	ND	25	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.8 %*		*65-135*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*		*52-149*		"	"	"	
Surrogate: Toluene-d8		*92.4 %*		*65-135*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.4 %*		*65-135*		"	"	"	

MOBILE GEOCHEMISTRY
H&P

Geocon	Project: OC112304-W2	
6970 Flanders Drive	Project Number: 09429-06-03	Reported:
San Diego CA, 92121	Project Manager: Ms. Linda Kung	23-Nov-04

DRAFT: TPH by GC FID

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DRAFT: T1-N-7 (E411044-01) Soil Sampled: 23-Nov-04 Received: 23-Nov-04									
Diesel (C12-C24)	ND	10	mg/kg	1	EK42302	23-Nov-04	23-Nov-04	DHS LUFT/8015M	
Motor Oil (C25-C36)	ND	25 ~~10~~	"	"	"	"	"	"	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
DRAFT: T1-S-7 (E411044-02) Soil Sampled: 23-Nov-04 Received: 23-Nov-04									
Diesel (C12-C24)	4500	10	mg/kg	1	EK42302	23-Nov-04	23-Nov-04	DHS LUFT/8015M	
Motor Oil (C25-C36)	ND	25 ~~10~~	"	"	"	"	"	"	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
DRAFT: T1-S-10 (E411044-03) Soil Sampled: 23-Nov-04 Received: 23-Nov-04									
Diesel (C12-C24)	4300	10	mg/kg	1	EK42302	23-Nov-04	23-Nov-04	DHS LUFT/8015M	
Motor Oil (C25-C36)	ND	25 ~~10~~	"	"	"	"	"	"	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
DRAFT: T1-N-12 (E411044-04) Soil Sampled: 23-Nov-04 Received: 23-Nov-04									
Diesel (C12-C24)	140	10	mg/kg	1	EK42302	23-Nov-04	23-Nov-04	DHS LUFT/8015M	
Motor Oil (C25-C36)	ND	25 ~~10~~	"	"	"	"	"	"	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	

T1-S-7
toluene 22 ug/kg
no BTEX for other samples

Environmental
Resources
Management

2251 San Diego Ave
Suite B208
San Diego, CA 92110
(619) 574-0620)(619) 574-0624 (fax)

OK with Tony S.

21 April 2006

VIA ELECTRONIC MAIL
VIA U.S. MAIL

Mr. Ewan Moffat
County of San Diego
Department of Environmental Health
1255 Imperial Avenue
P.O. Box 129261
San Diego, California 92112-9261

Subject: Groundwater Sampling Response to Questions
11719-11749 Woodside Avenue
Lakeside, San Diego County, California

Dear Mr. Moffat:
ERM-West, Inc. (ERM) is submitting this response to your questions regarding the impact of screen locations on the groundwater data collected from the two groundwater-monitoring events conducted at the site. The well construction information is summarized below.

1. Permit LMON#103272 was issued on 19 July 2005 for four wells at the subject site. The well screen was proposed to be installed from 20 to 35 feet below ground surface (bgs) in order to collect groundwater samples for analysis of volatile organic compound (VOC) and total petroleum hydrocarbon (TPH) components by United States Environmental Protection Agency Methods 8260B and 8015, respectively. It is apparent that the well screens were not installed in complete conformance with the well permit based on a field decision made by the on site geologist.
2. During the drilling of each well, soil samples were collected every 5 feet for laboratory verification of soil conditions. Soils were inspected for evidence of staining, discoloration, and odors indicative of the presence of VOC and TPH impacts. Evidence suggesting the presence of VOCs or TPH was not found.
3. Photoionization (PID) readings were taken of each soil sample and continuously during drilling from a depth of 20 feet bgs to the bottom of the borings at 35 to 40 feet. No readings above 12.1 parts per million (i.e., well within normal organic feedback in subsurface soil samples) were detected below depths of 20 feet.

4. No evidence of free product or any indication of VOC and TPH impacts were observed or measured.
5. After installation of the wells, the groundwater levels stabilized at between 21.77 and 23.95 feet, just above the top of screen.
6. Eight groundwater samples were collected from slightly below the top of the screen and analyzed for VOCs and TPH. None of the groundwater samples possessed concentrations of these analytes above their respective laboratory detection limits.

The results of the analyses of these samples indicate that no impact to groundwater has occurred at the site. These results should not be suspect for the following technical reasons:

1. The major concern of groundwater monitoring below the top of a screen is the presence of free product that could be trapped outside of the screened portion of the monitoring well. However, free product would not exist without the presence of some dissolved product in the groundwater, as well.
2. The results of the underground storage tank removal investigation determined that there was no evidence of TPH or VOC impacts beyond the limits of the excavation (i.e., 19 feet bgs).
3. The groundwater investigation was implemented to further evaluate the soils both beneath and downgradient from the excavation. The observations and measurements made during the installation of the monitoring wells indicated that no staining of soils or positive PID measurements of soil vapors was detected during drilling. Additionally, there was no evidence of free product observed on the hollow stem augers, sample barrels, or sampling rings during monitoring well installation.
4. The samples from the monitoring wells were collected from between approximately 3 to 5 feet below the top of the screen. At this distance, detectable concentrations of VOCs and TPH would be expected if free product were present at the site.
5. Attached is a table of pertinent physical and chemical characteristics of some components of gasoline and diesel fuel. Several indicator constituents representative of gasoline and diesel fuel are highlighted. Due to the low partioning coefficient between water and soil (K_{oc}), benzene and methyl tertiary-butyl ether (MTBE), in particular, are not

likely to be sorbed strongly to soils. This characteristic, in conjunction with the relatively high aqueous solubility of each constituent, results in strong partitioning from the adsorbed and separate phases to the dissolved phase in groundwater. At other sites where petroleum products are present, this partitioning results in high concentrations of these constituents in groundwater near free product accumulations. Readily detectable concentrations of benzene and MTBE have been observed at distances in excess of 10 feet below free product accumulations.

We believe these points adequately demonstrate that the altered well construction detail did not technically compromise the services provided for our client or the technical objectives of these services. If you have any questions or comments regarding any of the above, please contact Mr. Jay Dablow, CEG at (714) 430-1476 or Mr. Colin Young at (619) 574-0620.

Sincerely,

Colin P. Young, CIH
Principal-in-Charge

Jay Dablow, C.E.G. #1032
Technical Director

Attachment

cc: Mr. James Hunter

Physico/Chemical Properties of Contaminants of Concern

Compound	Physical Properties						Potentially Applicable Technologies										
							Bioremediation			Chemical Reduction	Air Sparging/Soil Vapor Extraction	Chemical Oxidation			Thermal		
	Koc (cm^3/g)	Specific Gravity (g/mL)	Aqueous Solubility (mg/L)	Vapor Presssure (mm Hg)	Henry's Constant (atm*m^3/mol)	Boiling Point °C	Anaerobic	Aerobic	Aerobic Cometabolic	Chemical Reduction Fe^0/Fe^{+2}	Air Sparging/Soil Vapor Extraction	Ozone	Permanganate	Modified Fenton's	Steam Injection	Electric Resistive Heating
AROMATIC HYDROCARBONS																	
Toluene	140	0.867	470	10	6.6	110.8	●	●	●		●	●	●	●	●	●	
Ethylbenzene	204	0.867	140	7	7.9	136.2	●	●	●		●	●	●	●	●	●	
Xylene	240	0.864	175	9	5	140	●	●	●		●	●	●	●	●	●	
Benzene	58	0.876	1780	76	5.4	80.1	●	●	●		●	●		●	●	●	
MTBE	12	0.74	54,300	245	0.6	55.2	●	●	●			●	•	•	•	•	
Naphthalene	1190	1.15	30	0.08	0.5	217	●	●	●		•	●	•	●	●	●	
Propylbenzene	2830	0.862	60	3.4	15	159	●	●	●		•	●	●	●	●	●	
1,3,5 trimethylbenzene	819	0.865	50	2.5	7.7	165	●	●	●		•	●	●	●	●	●	
1,2,4 trimethylbenzene	3720	0.88	57	2.1	5.1	169	●	●	●		•	●	●	●	●	●	

Low Value ● ● ● ● ● ● High Value

Abbreviations:

atm*m^3/mol - atmospheres * meter cubed per mole

°C = Degrees Celsius

cm^3/g =

g/mL - grams per milliliter

mg/L - milligrams per liter

mm Hg - millimeters Mercury

Symbols:

● - amenable to technology

• - amenable to some applications of technology

- not amenable to technology

RECEIVED
2006 MAR 28 AM 8 53
D. E. H.
MAILROOM

Environmental
Resources
Management

3 Hutton Centre
Suite 600
Santa Ana, CA 92707
(714) 430-1476
(714) 436-2940 (fax)

ERM

27 March 2006

VIA FEDERAL EXPRESS

Monitoring Well Permit Desk
County of San Diego
Department of Environmental Health
Site Assessment and Mitigation Program
1255 Imperial Avenue, Third Floor
San Diego, CA 92101

Subject: Well Destruction Permit Application for
Groundwater Monitoring Wells
11719-11749 Woodside Avenue
Lakeside, CA 92040

To Whom It May Concern:

Attached please find a *Property Owner Responsibility Acknowledgement* and a *Permit Application* for the destruction of four groundwater monitoring wells located at the above address in Lakeside, California. The well locations are indicated on Figure 1. Also attached is a check in the amount of $490.50, made payable to the County of San Diego Department of Environmental Health, to cover the applicable fees.

It would be greatly appreciated if these documents could be reviewed as soon as possible. If you have any questions concerning these permit applications please contact me at 714-430-1476.

Sincerely,

Christina Yeung
Staff Consultant

Attachments (as noted)

Attachment 1

Property Owner Responsibility Acknowledgement

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County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
619-338-2222/FAX 619-338-2215/1-800-253-9933
www.sdcounty.ca.gov/deh/lwq

RICHARD HAAS
ASSISTANT DIRECTOR

PROPERTY OWNER RESPONSIBILITY ACKNOWLEDGEMENT

Proposed locations for subsurface work

Property Address: 11719-11749 Woodside Avenue, Lakeside, CA 92040

Assessor's Parcel Number (APN): 382-220-01

I, Woodside Avenue Investors, LLC, owner of the property/properties listed above, give my permission to ERM-West, Inc. and WDC Exploration and Wells (consulting company, contractor) to conduct the following work at the locations stated above.

☐ Install _____ monitoring wells ☒ Destroy 4 monitoring wells ☐ Drill _____ soil borings

The person who causes to have a monitoring well installed or an existing well destroyed on this property is defined as the *Responsible Party*. San Diego County Code, Section 67.424, states that: "Monitoring wells shall be maintained to meet construction or destruction standards. If a monitoring well does not meet construction or destruction standards, the *Responsible Party* must repair, reconstruct or destroy the monitoring well so it meets the standards. The property owner, if different than the *Responsible Party*, must take the necessary actions to repair, reconstruct or destroy the monitoring well so it meets the standards if the *Responsible Party* does not complete the necessary actions."

A soil boring is used specifically to sample soil and, because there are construction and destruction standards, is included in the definition of a monitoring well even though no maintenance is required. These standards are outlined in the County of San Diego Site Assessment and Mitigation (SAM) Manual and the State of California Well Standards Bulletin 74-90.

I understand that Joy Doblow (registered professional) of ERM-West, Inc. (consulting company) and an authorized signer for WDC Exploration and Wells (drilling company) have submitted a signed application to the Department of Environmental Health in which they have agreed to complete the above-stated work according the requirements of the current SAM Manual, all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

I also understand that if either the registered professional and/or the licensed drilling company should fail in their responsibilities as defined in San Diego County Code, Section 67.424, I, as the property owner, must take the necessary actions to repair, reconstruct or destroy the monitoring well so it meets the standards if the Responsible Party does not complete the necessary actions.

The scope of work covered by this Acknowledgement will expire one year from the date of the property owner's signature below. If an extension of time beyond one year is required to complete the proposed drilling activities or additional work is proposed, a new Property Owner Responsibility Agreement will be required.

Property Owner Signature: James C. Hunter Date: 3/20/2006

Print Name: Jim Hunter Title: Manager

Company: Woodside Avenue Investors, LLC

Mailing Address: 1670 La Force Road, Alpine, CA 91909

Attachment 2

Destruction Permit Application

PERMIT #LMON103890
A.P.N. #382-220-01
EST #H35322-002 ECM

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM

MONITORING WELL DESTRUCTION PERMIT

SITE NAME: WOODSIDE AVE (LAKESIDE MOTORS)

SITE ADDRESS: 11719 WOODSIDE AVE LAKESIDE CA 92040

PERMIT TO: **DESTROY 4 GROUNDWATER MONITORING WELLS**

PERMIT APPROVAL DATE: APRIL 19, 2006

PERMIT EXPIRES ON: AUGUST 17, 2006

RESPONSIBLE PARTY: WOODSIDE AVE INVESTORS LLC

PERMIT CONDITIONS:

1. **All material within the original borehole, which includes the casing, filterpack and annular seal must be removed. The borehole must be completely filled with an approved sealing material as specified in Department of Water Resources Bulletin 74-90.**

2. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, E- 4. (**http://www.sdcounty.ca.gov/deh/lwq/sam/manual_guidelines.html**). In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.

3. Within 60 days of completing work, submit a well construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 &7.

4. This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at 619) 338-2339.

NOTE: **This permit does not constitute approval of a work plan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Work plans are required for all unauthorized release investigations in San Diego County.**

APPROVED BY: Amelia Cesena AMELIA CESENA DATE: 4.19.2006

NOTIFIED: 04/20/06

DEH:SAM-9075

T103890

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D. E. H.
MAILROOM

PERMIT APPLICATION GROUNDWATER AND VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

OFFICE USE ONLY
PERMIT/LOG/ION # T103890
SAM CASE/ION # H35322-002 EH
DATE RECEIVED: 3-28-06
FEE PAID: $ 490.50
CHECK # 093283
PAID CAP LOP

A. RESPONSIBLE PARTY Woodside Avenue Investors, LLC Phone (619) 507-6200
(The person, persons, or company responsible for the construction, maintenance, and destruction of the proposed borings and/or wells.)
Mailing Address 1670 LA FORCE ROAD City ALPINE State CA Zip 91909
Contact Person JIM HUNTER Phone (619) 507-6200 Ext. _____ Fax _____

B. SITE ASSESSMENT PROJECT NUMBER – IF APPLICABLE # H35322-002

C. CONSULTING FIRM ERM West, Inc.
Mailing Address 3 Hutton Centre Drive, Suite 600 City Santa Ana State CA Zip 92707
Registered Professional Jay Dablow Registration # 1032 ~~(PG, RGE)~~ CEG
Circle if applicable
Contact Person Jay Dablow Phone (714) 430-1476 Ext. 2024 Fax (714) 436-2940

D. DRILLING COMPANY WDC C57# 283326
Contact Name Bob Nix
Mailing Address 2336 N. Batavia Street City Orange State CA Zip 92865
Phone (714) 602-4250 Ext. _____ Fax (714) 282-8782

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☐ Groundwater	___
☐ Vadose	___
☐ Boring	___
☐ Other	___

NUMBER OF WELLS TO BE DESTROYED

☒ 4

MATERIALS TO BE USED

CASING	SEAL/BORING BACKFILL
Not Applicable X	☐ Neat Cement
Type _____	☒ Cement & Bentonite
Gauge _____	☐ Sand-Cement
Diameter _____	☐ Bentonite
Well Screen Size _____	☐ Other
Filter Pack _____	Borehole diameter 4"

Drilling Method
☒ Auger ☐ Air Rotary
☐ Mud Rotary ☐ Other
☐ Percussion

PROPOSED CONSTRUCTION
Estimated groundwater depth: _____ ft.
Estimated depth of boring _____ ft.

Concrete surface seal	0 to 3
Annular seal	_____ to _____
Bentonite transition seal	_____ to _____
Filter Pack	_____ to _____
Perforation	_____ to _____

NOTE:
Attach a well construction diagram for wells with multiple completions

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER'S SIGNATURE Bob Nix DATE 03/20/06

Within 60 days of completion, I will furnish the Monitoring Well Permit Desk with a complete and accurate well/boring log. I will certify the design and construction or destruction of the well/borings in accordance with the permit application.

CEG
~~PG/RGE~~ SIGNATURE J. Dablow III DATE March 20, 2006

F. SITE INFORMATION

1. **ASSESSOR'S PARCEL NUMBER** 382-220-01

Site Name Woodside Avenue

Site Address 11719-11749 Woodside Avenue City Lakeside Zip 92040

PROPERTY OWNER Woodside Avenue Investors, LLC

Phone (619) 507-6200 Ext. Fax

Mailing Address 1670 La Force Road City Alpine State CA Zip 91909

NUMBER OF WELLS 4 **TYPE OF WELLS** Groundwater Monitoring

2. **ASSESSOR'S PARCEL NUMBER**

Site Name

Site Address City Zip

PROPERTY OWNER

Phone Ext. Fax

Mailing Address City State Zip

NUMBER OF WELLS **TYPE OF WELLS**

3. **ASSESSOR'S PARCEL NUMBER**

Site Name

Site Address City Zip

PROPERTY OWNER

Phone Ext. Fax

Mailing Address City State Zip

X **NUMBER OF WELLS** **TYPE OF WELLS**

4. **ASSESSOR'S PARCEL NUMBER**

Site Name

Site Address City Zip

PROPERTY OWNER

Phone Ext. Fax

Mailing Address City State Zip

NUMBER OF WELLS **TYPE OF WELLS**

Permit Fees In Effect for July 1, 2005 - June 30, 2006

G. FEES (in effect beginning July 1, 2005, through June 30, 2006)

The County Board of Supervisors authorized a *10% credit, for the Fiscal Year ending June 30, 2006,* to be applied to the Department of Environmental Health customers. This credit is being provided to qualified fee-based programs that have contributed to the cost reduction/cost containment/cost avoidance efforts initiated by the Department. This *fee adjustment, for the Fiscal Year ending June 30, 2006,* is applicable to fees and permits due and/or obtained during this period. The 10% is not applicable to enforcement fees or fees relating to non-compliance of permit regulations.

ACTIVITY	FEE SCHEDULE FEE – ONE-TIME FISCAL YEAR 10% CREDIT	AMOUNT
Permit for Well Installations Only (Groundwater Monitoring Wells, Vadose, Vapor Extraction Wells)	**$185.00 for the first monitoring well** **$185.00 – 10% <$18.50> =**	1 x $166.50 $_____
Permit for Well Maintenance Inspection (Valid for three years)	**$100.00 for first well maintenance inspection** **$100.00 – 10% <$10.00> =**	1 x $ 90.00 $_____
Each Additional New Well	**$160.00 for each additional well installation** **$160.00 – 10% <$16.00> =** **$ 30.00 for each additional well maintenance inspection** **$ 30.00 – 10% <$ 3.00> =**	_____ x $144.00 $_____ _____ x $ 27.00 $_____
Permit for Borings Only *(CPT's, Hydropunch, Geoprobes,* Temporary Well Points, etc.)	**$185.00 for the first boring** **$185.00 – 10% <$18.50> =** **$ 50.00 for each additional boring** **$ 50.00 – 10% <$ 5.00> =**	1 x $166.50 $_____ _____ x $ 45.00 $_____
Permit for Well Destructions Only	**$185.00 for the first destruction** **$185.00 – 10% <$18.50> =** **$120.00 for each additional destruction** **$120.00 – 10% <$12.00> =**	1 x $166.50 $ 166.50 3 x $108.00 $ 324.00
Permit for any Combination of Well Installations, Borings, & Destructions *(except UST backfill permit)* **Permit for any Combination of Well Installations, Borings, & Destructions *(except UST backfill permit)***	**The first activity will be $185.00.** **$185.00 – 10% <$18.50> =** **Additional activities will be as follows:** **$160.00 for each additional well** **$160.00 – 10% <$16.00> =** **$100.00 for first well maintenance inspection** **$100.00 – 10% <$10.00> =** **$ 30.00 for each additional well maintenance inspection** **$ 30.00 – 10% <$ 3.00> =** **$ 50.00 for each additional boring** **$ 50.00 – 10% <$ 5.00> =** **$120.00 for each well destruction** **$120.00 – 10% <$12.00> =**	1 x $166.50 $_____ _____ x $144.00 $_____ 1 x $ 90.00$_____ _____ x $ 27.00 $_____ _____ x $ 45.00 $_____ _____ x $108.00 $_____
	TOTAL COST OF PERMIT	$ 490.50
Permit for Underground Storage Tank Monitoring System in Backfill *(i.e. Enhanced Leak Detection)*	(Flat Fee) **$320.00 – 10% <$32.00> =**	**$288.00**

H. **QUESTIONNAIRE: Please answer all applicable questions completely.** ***For well destructions, complete only #1 below and submit any required supportive documentation.***

1. If wells are to be destroyed, provide a description of method of destruction Wells will be destroyed using an overdrill method.

2. What is the purpose of the well/boring investigation?

   ☐ a. Part of an ongoing site assessment case in which DEH or another government regulator is the lead agency.

   ☐ b. Part of a Phase I investigation for property ownership transfer or: _____

   ☐ c. Geotechnical investigation for proposed construction, land stabilization or:

   ☐ d. Other: _____

3. What procedures will be used to prevent the well/boring from providing an avenue to contamination during construction?

4. What field procedures will be utilized to determine if contamination exists?

5. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?

6. What constituents will be monitored and tested (Include EPA Laboratory Test Methods to be used)?

7. How will samples be transported and preserved? _____

8. What sampling methods will be used? _____

9. Are you proposing a variation from the methods and/or procedures presented in the requirements for the construction or destruction of Vadose and Groundwater Monitoring Wells (Current SAM Manual Requirements)? If yes, specify these variations and include a well construction diagram and all required supporting documentation. Refer to the SAM Manual Appendix B for monitoring well guidelines (http://www/sdcounty.ca.gov/deh/lwq/sam/monitoring_well.html). :Yes ☐ No ☐

10. Are you proposing a variation in drilling and destruction of soil borings from the methods and/or procedures specified in the current SAM manual? If yes, specify these variations and *include a destruction diagram.* Yes ☐ No ☐

11. What procedures will be used to ensure that the drilling equipment will introduce no contamination?

12. What methods will be used to clean sampling equipment? _____

13. What cleaning method will be used to clean casing and screen prior to installation? _____

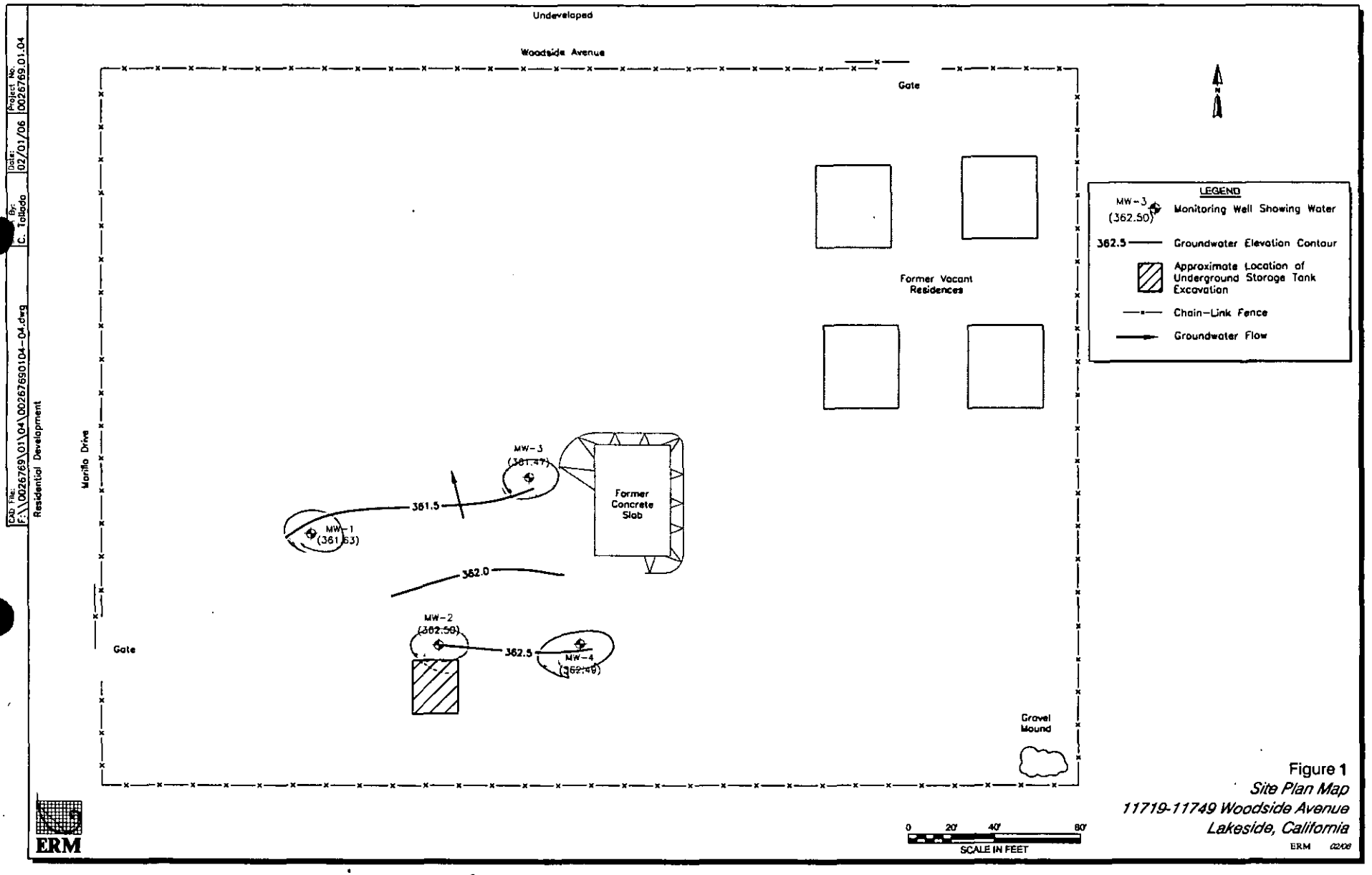


Figure 1
Site Plan Map
11719-11749 Woodside Avenue
Lakeside, California
ERM 02/06

Installation Permit # LMON 103272.

Drawn By: H. Magaña

CAD File: F:\0026769\02\04\0026769020404-01.dwg

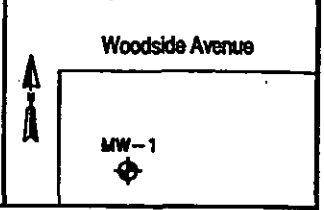
Environmental Resources Management
3 Hutton Centre, Suite 600
Santa Ana, CA 92707
ERM 714-430-1476 fax: 714-436-2940

Log of Borehole: B-1

Project Name:	
Project Number: 0026769.02.04	
Location: Lakeside, California	
Date Started: 7/21/05	Date Borehole Completed: 7/21/05
Logged by: Lucas, RG	
Borehole Diam.: 10 in.	Date Well Completed: 7/21/05
Reviewed by: Jay Dablow	
Drilling Company: WDC	
Driller (Crew): Poul, Ed, and Juan	
Drilling Method/Equipment: Hollow Stem / CME 85	
Disposition of Soil Cuttings: 55-Gallon Drums	
Sampling Method: CA Mod. Split Spoon	
Hammer Weight: 140 lbs	Drop Height: 30 inch
Ground Elevation:	TOC Elevation:
Easting:	Northing:
Borehole Total Depth: 39 feet	Well Total Depth: 35 feet
DTW (initial): 29 feet	DTW (static): 23.29 feet

Well ID: MW-1
Well Diameter: 4 inch
Casing Mtrl: PVC, Sch 40
Screen Type: 0.020 inch
Filter Pack Size: No. 3 Sand
Vault Type:
Lock No.:

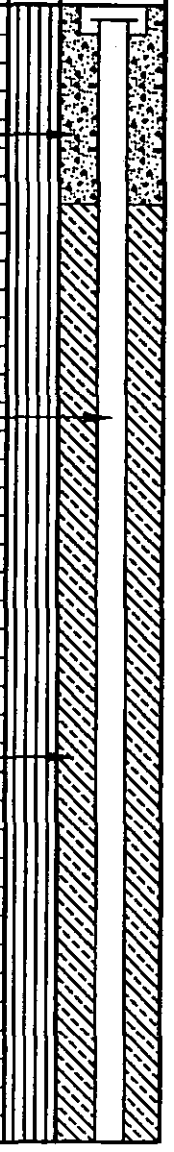
Sketch Map:



Notes: 10 Bags of #3, 2 Bags of Bentonite, and 50 Gallons of Grout

Depth (feet)	Samples: Time	Samples: Blow Counts	Samples: Sample Interval	Samples: Sample ID	OVA Reading (ppm) [PID]	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]
10	0940	16 20 30	■		115	ML	SANDY silt, dark brown, moist, hard fine to medium grain, trace of fine gravel, no odor, no staining.
15	0950	17 25 40	■		22.1	ML	CLAY silt, dark brown/light brown, moist, hard, medium grained, trace of fine gravel, no odor, no staining, mocacious.
20	0955						

Graphic Log / Well Construction Details



Drawn By: H. Magaña

CAD File: F:\0026769\02\04\00267690204-01.dwg

Environmental Resources Management
3 Hutton Centre, Suite 600
Santa Ana, CA 92707
714-430-1476 fax: 714-436-2940

Log of Borehole: B-1 (cont'd)

Project Name:

Project Number: 0026769.02.04

Location: Lakeside, California

Depth (feet)	Samples: Time	Samples: Blow Counts	Samples: Sample Interval	Samples: Sample ID	OVA Reading (ppm) [PID]	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]	Graphic Log / Well Construction Details
		20			10.4		SILTY sand, dark brown, moist, hard, medium grained, trace clay, no plasticity, trace of fine gravel, no odor, no staining, poorly graded.	Bentonite grout
21		21						
		24						
22								4" SC 40 PVC Blank
23								Bentonite chips
24								
25	1003				6.1			
		20					SILTY sand, brown, moist, hard, medium grained, trace clay, no odor, no staining, poorly graded.	
26		30						
		35						
27								
28								4" SC 40 PVC 0.020" screen
29								
30	1009							
		13					SILTY SAND, brown, saturated, hard, fine to medium grained, trace clay, no odor, no staining, poorly graded.	
31		23						
		38						
32								
33								No. 3 Sand
34								
35								
36								
37								
38								
39							Total depth of borehole = 39 feet.	
40								
41								
42								
43								
44								
45								
46								
47								

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Environmental Resources Management
3 Hutton Centre, Suite 600
ERM South Coast Metro, CA 92707
714-430-1476 fax: 714-436-2940

Log of Borehole: B-1

Project Name:	
Project Number:	0026769
Location:	Lakeside, CA
Logged by:	LUCAS R.G.
Reviewed by:	
Date Started: 7/21/05	Date Borehole Completed: 7/21/05
Borehole Diam.: 10 inches	Date Well Completed: 7/21/05
Drilling Company: WDC	
Driller (Crew): Paul / Ed / Jason	
Drilling Method/Equipment: Hollow-Stem CME 85	
Disposition of Soil Cuttings: 55-gallon drums	
Sampling Method: CA No. Split spoon	
Hammer Weight: 140 lbs	Drop Height: 30 inch
Ground Elevation:	TOC Elevation:
Easting: -	Northing: -
Borehole Total Depth: 39'	Well Total Depth: 35'
DTW (initial): ~29'	DTW (static): 23.29
Well ID: MW-1	
Well Diameter: 4"	
Casing Mtrl: PVC, Sch 40	
Screen Type: 0.020"	
Filter Pack Size: #3	
Vault Type:	
Lock No.:	

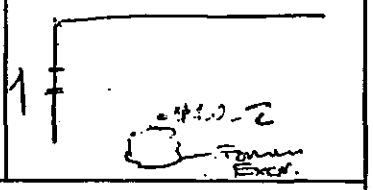
Sketch Map: Woodside Ave; MW-1

Notes:

Depth (feet)	Samples: Time	Blow Counts	Sample Interval	Sample ID	OVA Reading (ppm) (PID/FID)	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]	Well Construction Details
1							Concrete	
2								
3								
4								
5							Bent. grout	
6								
7								
8								
9								
10	0940	6/6/50		[redacted]	115		SANDY SILT (ML), DK RBN, SL MOIST, +ARG, fine to med sd, trace f. fine gravel, NO ODOR, NO STAINING	
11								
12								
13								
14								
15	0950	7/6/50		[redacted]	22.1		CLAYEY SILT (ML), DK RBN/ITRBN, SL MOIST, HARD, med sd, trace f. fine gravel, NO ODOR, NO STAINING, MICACEOUS	
16								
17								
18								
19								

Environmental Resources Management	Log of Borehole: B-1
3 Hutton Centre, Suite 600	Project Name:
ERM South Coast Metro, CA 92707	Project Number: 0026769
714-430-1476 fax: 714-436-2940	Location: LAKeside, CA
Date Started: 7/21/05 / Date Borehole Completed: 7/21/05	Logged by: LUCAS B.O.
Borehole Diam.: 10" / Date Well Completed: 7/21/05	Reviewed by:
Drilling Company: WDC	Well ID: MW-1
Driller (Crew): Paul / EJ / Juan	Well Diameter: 4"
Drilling Method/Equipment: Hollow Stem KME 85	Casing Mtrl: PVC, Sch 40
Disposition of Soil Cuttings: 55 gallon drum	Screen Type: 0.010"
Sampling Method: CA Mod, SS	Filter Pack Size: #3
Hammer Weight: 140 lbs / Drop Height: 30 inch	Vault Type:
Ground Elevation: / TOC Elevation:	Lock No.:
Easting: - / Northing: -	Notes: 10 bags #3
Borehole Total Depth: 39' / Well Total Depth: 35'	2 bags - Bent.
DTW (initial): 29' / DTW (static):	55 gallon drum

Sketch Map:



Depth (feet)	Samples: Time	Blow Counts	Sample Interval	Sample ID	OVA Reading (ppm) (PID/FID)	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]	Well Construction Details
20	1055	20/24					SILTY SAND ( ), DK BRN, MOIST, HARD, MED gr, trace clay/silt, low plasticity, dry, shell fragments, micaceous, no staining, poorly graded	
21		14			10.4			
22								
23								
24								
25	1003	20/30			6.1		SILTY SAND ( ), DRK BRN, MOIST, HARD, MED gr, trace clay/silt, no odor, no staining, poorly graded	
26		30						
27								
28							0.020 SCH 40 PVC	
29								
30	1009	13/27			-		SILTY SAND ( ), BRN, SOFT, HARD, fine to MED gr, trace clay/silt, no odor, no staining, poorly graded	
31		28						
32								
33								
34								
35							#3 SAND	
36								
37								
38								

40 +D

Drawn By: H. Magaña

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Environmental Resources Management
3 Hutton Centre, Suite 600
Santa Ana, CA 92707
ERM 714-430-1476 fax: 714-436-2940

Log of Borehole: B-2

Project Name:	
Project Number: 0026769.02.04	
Location: Lakeside, California	
Logged by: Lucas, RG	
Reviewed by: Jay Dablow	
Date Started: 7/21/05	Date Borehole Completed: 7/21/05
Borehole Diam.: 10 in.	Date Well Completed:
Drilling Company: WDC	
Driller (Crew): Poul, Ed, and Juan	
Drilling Method/Equipment: Hollow Stem / CME 85	
Disposition of Soil Cuttings: 55-Gallon Drums	
Sampling Method: CA Mod. Split Spoon	
Hammer Weight: 140 lbs	Drop Height: 30 inch
Ground Elevation:	TOC Elevation:
Easting:	Northing:
Borehole Total Depth: 35 feet	Well Total Depth: 35 feet
DTW (Initial): 29 feet	DTW (static): 22.57 feet

Well ID: MW-2
Well Diameter: 4 inch
Casing Mtrl: PVC, Sch 40
Screen Type: 0.020 inch
Filter Pack Size: No. 3 Sand
Vault Type:
Lock No.:

Sketch Map:

Notes:

Depth (feet)	Samples: Time	Samples: Blow Counts	Samples: Sample Interval	Samples: Sample ID	OVA Reading (ppm) [PID]	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20	1325				23.8	ML	SILT with sand, brown, fine grained, hard, moist, no odor, no staining, mocacious.

Graphic Log / Well Construction Details

Concrete

4" SC 40 PVC Blank

Bentonite grout

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Environmental Resources Management
3 Hutton Centre, Suite 600
Santa Ana, CA 92707
714-430-1476 fax: 714-436-2940

Log of Borehole: B-2 (cont'd)

Project Name:
Project Number: 0026769.02.04
Location: Lakeside, California

Depth (feet)	Samples: Time	Samples: Blow Counts	Samples: Sample Interval	Samples: Sample ID	OVA Reading (ppm) (PID)	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]	Graphic Log / Well Construction Details
		7		XX				Bentonite grout
21		14						
		21						4" SC 40 PVC Blank
22								
								Bentonite chips
23								
24								
25	1340	19			0.0	ML	SILT with sand, dark brown, (red brown?), dry, moist, hard, no odor, no staining,	
		17					mocacious trace of clay, no plasticity.	
26		38						
27								
28								4" SC 40 PVC 0.020" screen
29	1352	13						
		19						
30		30						
31								
32								
33								No. 3 Sand
34								
35							Total depth of borehole = 35 feet.	
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								

Environmental Resources Management 3 Hutton Centre, Suite 600 ERM South Coast Metro, CA 92707 714-430-1476 fax: 714-436-2940		**Log of Borehole:** B-2	
		Project Name:	
		Project Number: 0026769	
		Location: Lakeside, CA	
Date Started: 7/21/05	Date Borehole Completed: 7/21/05	Logged by: Lucas BG	
Borehole Diam.: 10"	Date Well Completed:	Reviewed by:	
Drilling Company: WDC		Well ID: MW-2	Sketch Map:
Driller (Crew): Paul / Ed / Juan		Well Diameter: 4"	
Drilling Method/Equipment: Hollow Stem / CME 85		Casing Mtrl: PVC, Sch. 40	
Disposition of Soil Cuttings: 55 gallon drum		Screen Type:	
Sampling Method: CA Mod. SS		Filter Pack Size:	
Hammer Weight: 140 lbs.	Drop Height: 30 inch	Vault Type:	
Ground Elevation:	TOC Elevation:	Lock No.:	
Easting:	Northing:	Notes:	
Borehole Total Depth: 35'	Well Total Depth: 30'		
DTW (initial): 29'	DTW (static): 22.57		

Depth (feet)	Samples: Time	Samples: Blow Counts	Samples: Sample Interval	Samples: Sample ID	OVA Reading (ppm) [PID/FID]	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]	Well Construction Details
1							concrete	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								

Environmental Resources Management	Log of Borehole: B-2
3 Hutton Centre, Suite 600	Project Name:
ERM South Coast Metro, CA 92707	Project Number:
714-430-1476 fax: 714-436-2940	Location: LAKESIDE, CA
Date Started: / Date Borehole Completed:	Logged by: LUCAS B.G.
Borehole Diam.: / Date Well Completed:	Reviewed by:
Drilling Company:	Well ID: / Sketch Map:
Driller (Crew):	Well Diameter:
Drilling Method/Equipment:	Casing Mtrl:
Disposition of Soil Cuttings:	Screen Type:
Sampling Method:	Filter Pack Size:
Hammer Weight: / Drop Height:	Vault Type:
Ground Elevation: / TOC Elevation:	Lock No.:
Easting: / Northing:	Notes:
Borehole Total Depth: / Well Total Depth:	
DTW (initial): / DTW (static):	

Depth (feet)	Samples: Time	Blow Counts	Sample Interval	Sample ID	OVA Reading (ppm) (PID/FID)	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]	Well Construction Details
20	1325	7/14			23.8		SILT (ML) W/SAND, BRN, FINE GR, HARD, MOIST, NO ODOR, NO STAINS, MICACEOUS,	
21		21						
22								
23								
24								
25	1340	9/17			0.0		SILT (ML) W/SAND, DK BRN (RED-BRN?), VERY MOIST, HARD, NO ODOR, NO STAIN, MICACEOUS, TRACE of clay, NON-PLASTIC	
26		36						
27								
28								
29	1352	3/9						
30		30						
31								
32								
33								
34								
35							48 bags #3 2 yds of sand 50 gallon gravel	
36								
37								
38								
39								

Drawn By: H. Magaña

CAD File: F:\0026769\02\04\00267690204-03.dwg

Environmental Resources Management
3 Hutton Centre, Suite 600
Santa Ana, CA 92707
ERM 714-430-1476 fax: 714-436-2940

Log of Borehole B-3

Project Name:	
Project Number: 0026769.02.04	
Location: Lakeside, California	
Logged by: Lucas, RG	
Reviewed by: Jay Dablow	
Date Started: 7/21/05	Date Borehole Completed: 7/21/05
Borehole Diam.: 10 inch	Date Well Completed: 7/21/05
Drilling Company: WDC	
Driller (Crew): Poul, Ed, and Juan	
Drilling Method/Equipment: Hollow Stem / CME 85	
Disposition of Soil Cuttings: 55-Gallon Drums	
Sampling Method: CA Mod. Split Spoon	
Hammer Weight: 140 lbs	Drop Height: 30 inch
Ground Elevation:	TOC Elevation:
Easting:	Northing:
Borehole Total Depth: 36.5 feet	Well Total Depth: 35 feet
DTW (initial): 29.5 feet	DTW (static): 25.57 feet

Well ID:
Well Diameter:
Casing Mtrl:
Screen Type:
Filter Pack Size:
Vault Type:
Lock No.:

Sketch Map:

Notes:

Depth (feet)	Samples: Time	Samples: Blow Counts	Samples: Sample Interval	Samples: Sample ID	OVA Reading (ppm) [PID]	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]	Graphic Log	Well Construction Details
1									
2							Concrete		
3									
4									
5	1555	18			334	ML	SILT with gravel, light brown, red, fine to coarse grained, hard, dry, no odor,		
6		26					no staining, slightly mocacious.		
7		29							
8									
9									
10	1600	20			0.0	SM	SILTY sand, fine grained, light brown, red, very sence, dry, no odor, no staining,		
11		28					trace fine gravel.		
12		40					Bentonite grout		
13									
14									
15	1607	16			12.1	ML	SILT with sand, fine grained, dark brown, hard, moist, no odor, no staining.		
16		23							
17		33					4" SC 40 PVC Blank		
18									
19									
20									

Drawn By: H. Magaña

CAD File: F:\0026769\02\04\00267690204-03.dwg

ERM
Environmental Resources Management
3 Hutton Centre, Suite 600
Santa Ana, CA 92707
714-430-1476 fax: 714-436-2940

Log of Borehole B-3 (cont'd)

Project Name:

Project Number: 0026769.02.04

Location: Lakeside, California

Depth (feet)	Samples: Time	Samples: Blow Counts	Samples: Sample Interval	Samples: Sample ID	OVA Reading (ppm) [PID]	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]	Graphic Log / Well Construction Details
	1612	22	■		12.9	ML	SILT with sand, fine grained, brown, moist, hard, no odor, no staining,	
21		24	■				slight mocacious. *Bentonite grout*	
		26	■					
22							*4" SC 40 PVC Blank*	
23								
24							*Bentonite chips*	
25	1620	19	■		0.0	ML	SILT with sand, fine to medium grained, dark brown, hard, no odor, no staining,	
26		29	■				slight mocacious.	
		43	■					
27								
28								
29							*4" SC 40 PVC 0.020" screen*	
30	1626	13	■		12.1	ML	SILT with sand, fine to medium grained, dark brown, wet, hard, no odor,	
31		17	■				no staining.	
		30	■					
32								
33								
34							*No. 3 Sand*	
35	1635	10	■				SILT with sand, fine to medium grained; dark brown, dry, wet, hard, no odor,	
36		20	■				no staining.	
		23	■					
37							Total depth of borehole = 36.5 feet.	
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								

Environmental Resources Management
3 Hutton Centre, Suite 600
ERM South Coast Metro, CA 92707
714-430-1476 fax: 714-436-2940

Log of Borehole: B-3

Project Name:	
Project Number:	
Location:	Lakeside, CA
Logged by:	LUCAS B.G.
Reviewed by:	
Date Started: 7/21/05	Date Borehole Completed: 7/21/05
Borehole Diam.:	Date Well Completed: 7/21/05
Drilling Company: WDC	
Driller (Crew): Paul / Ed / Juan	
Drilling Method/Equipment: Hollow-Stem / CME 85	
Disposition of Soil Cuttings: 55 gallon drum	
Sampling Method: Ca Mod. SS	
Hammer Weight: 140 lbs	Drop Height: 30"
Ground Elevation:	TOC Elevation:
Easting: -	Northing: -
Borehole Total Depth: 36.5'	Well Total Depth: 35'
DTW (initial): 29.5'	DTW (static): 29.57'

Well ID:	Sketch Map:
Well Diameter:	
Casing Mtrl:	
Screen Type:	
Filter Pack Size:	
Vault Type:	
Lock No.:	

Notes:

Depth (feet)	Samples: Time	Blow Counts	Sample Interval	Sample ID	OVA Reading (ppm) (PID/FID)	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]	Well Construction Details
5	1555	18/26/29			334		SILT (ML) w/ gravel, LT. BROWN/RED, fine to coarse grained, HARD, DRY, NO ODOR, NO STAINING, SLIGHTLY MICACEOUS	
10	1600	26/40			0.0		SILTY SAND (SM), fine gr., LT BRN/RED, VERY DENSE, DRY, NO ODOR, NO STAIN, trace fine gravels	
15	1607	16/23/33			12.1		SILT (ML) w/ SAND, fine gr, DK BRN, HARD, MOIST, NO ODOR, NO STAIN.	

Rev. 9/02

Page ____ of ____

Environmental Resources Management	Log of Borehole: B-5
3 Hutton Centre, Suite 600	Project Name:
ERM South Coast Metro, CA 92707	Project Number:
714-430-1476 fax: 714-436-2940	Location: Lakeside, CA
Date Started: 7/21/05 / Date Borehole Completed: 7/21/05	Logged by: LUCAS BG.
Borehole Diam.: 10" / Date Well Completed: 7/21/05	Reviewed by:
Drilling Company: WDC	Well ID: / Sketch Map:
Driller (Crew): Paul	Well Diameter:
Drilling Method/Equipment: Hollow Stem / CME 85	Casing Mtrl:
Disposition of Soil Cuttings: 55 gallon drums	Screen Type:
Sampling Method: CA Mod. SS	Filter Pack Size:
Hammer Weight: 140 lbs / Drop Height: 30"	Vault Type:
Ground Elevation: / TOC Elevation:	Lock No.:
Easting: - / Northing: -	Notes:
Borehole Total Depth: 36.5' / Well Total Depth: 35	
DTW (initial): / DTW (static):	

Depth (feet)	Samples: Time	Blow Counts	Sample Interval	Sample ID	OVA Reading (ppm) (PID/FID)	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [In brackets]	Well Construction Details
20	1612	22/50/26			12.9		SILT (ML) w/ sand, fine gr, BRN, MOIST, HARD, NO ODOR, NO STAINING, SL. MICACEOUS	
21								
22								
23								
24								
25	1620	19/50/45			0.0		SILT (ML) w SAND, fine gr, VR. MOIST, DK. BRN, HARD, NO ODOR, NO STAINING, SL. MICACEOUS	
26								
27								
28								
29								
30	1626	13/17/28			8.1		SILT (ML) w/ SAND, fine to med. gr, DK BRN/BLK, WET, HARD, NO ODOR, NO STAINING	
31								
32								
33								
34								
35	1635	10/20/23			-		SILT (ML) w/ SAND fine to med. gr, DK BRN/GRY, WET, HARD, NO ODOR, NO STAINING	
36								
37								

Drawn by: H. Magaña

CAD File: F:\0026769\02\04\00267690204-04.dwg

Environmental Resources Management
3 Hutton Centre, Suite 600
Santa Ana, CA 92707
714-430-1476 fax: 714-436-2940

Log of Borehole B-4

Project Name:	
Project Number: 0026769.02.04	
Location: Lakeside, California	
Logged by: Lucas, RG	
Reviewed by: Jay Dablow	
Date Started: 7/22/05	Date Borehole Completed: 7/22/05
Borehole Diam.: 10 inch	Date Well Completed: 7/22/05
Drilling Company: WDC	
Driller (Crew): Poul, Ed, and Juan	
Drilling Method/Equipment: Hollow Stem / CME 85	
Disposition of Soil Cuttings: 55-Gallon Drums	
Sampling Method: CA Mod. Split Spoon	
Hammer Weight: 140 lbs	Drop Height: 30 inch
Ground Elevation:	TOC Elevation:
Easting:	Northing:
Borehole Total Depth: 33 feet	Well Total Depth: 33 feet
DTW (initial): 27 feet	DTW (static): 23.40 feet

Well ID:
Well Diameter:
Casing Mtrl:
Screen Type:
Filter Pack Size:
Vault Type:
Lock No.:

Sketch Map:

Notes:

Depth (feet)	Samples: Time	Samples: Blow Counts	Samples: Sample Interval	Samples: Sample ID	OVA Reading (ppm) [PID]	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]	Graphic Log / Well Construction Details
1								
2							Concrete	
3								
4								
5	0805	17			3807	ML	SILT with trace of fine to medium sand, light brown, dry, hard, no odor,	
		20					no staining, with som roots.	
6		28						
7								
8								
9								
10	0815	18			2089	ML	SILT with fine grained sand, light brown/brown, dry, hard, no odor, no staining,	
		28					with roots and other organic matters.	
11		26						
12							Bentonite grout	
13	0845	12						
		24						
14		30						
15					19.7			
						ML	SILT with trace of sand, fine grained, brown, moist, hard, no odor, no staining,	
16							light mocacious, with some organic matters/roots.	
							4" SC 40 PVC Blank	
17								
18	0850							
19								
20							Bentonite chips	

Drawn By: H. Magoña

CAD File: F:\0026769\02\04\00267690204-04.dwg

Environmental Resources Management
3 Hutton Centre, Suite 600
Santa Ana, CA 92707
714-430-1476 fax: 714-436-2940

Log of Borehole B-4 (cont'd)

Project Name:

Project Number: 0026769.02.04

Location: Lakeside, California

Depth (feet)	Samples: Time	Samples: Blow Counts	Samples: Sample Interval	Samples: Sample ID	OVA Reading (ppm) [PID]	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]	Graphic Log	Well Construction Details
21	0900	15	■		33.5	ML	SILT with trace of sand, fine grained, grown, moist, hard, no odor, no staining, trace of organic matter/roots.		
		21	■						
22		32	■				*Bentonite chips*		
23							*4" SC 40 PVC Blank*		
24	0930				12.1	ML	SILT with trace of fine sand, dark brown/gray, moist, hard, no odor, no staining, trace of organic matter/roots.		
25			■						
26							*4" SC 40 PVC 0.020" screen*		
27									
28	0920		■						
29			■						
30							*No. 3 Sand*		
31									
32									
33							Total depth of borehole = 33 feet.		
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									

Environmental Resources Management
3 Hutton Centre, Suite 600
ERM South Coast Metro, CA 92707
714-430-1476 fax: 714-436-2940

Log of Borehole: B-4

Project Name:	
Project Number:	
Location: LAKESIDE, CA	
Logged by:	
Reviewed by:	
Date Started: 7/22/05	Date Borehole Completed: 7/22/05
Borehole Diam.: 10"	Date Well Completed: 7/22/05
Drilling Company: WDC	
Driller (Crew): Boyd / ED / Jason	
Drilling Method/Equipment: Hollow-stem / CME 75	
Disposition of Soil Cuttings: DOT solder drum	
Sampling Method: CA Mod. SS	
Hammer Weight: 140 lbs	Drop Height: 30"
Ground Elevation: -	TOC Elevation: -
Easting: -	Northing: -
Borehole Total Depth: 39'	Well Total Depth: 33'
DTW (initial): 27'	DTW (static): 23.40'
Well ID:	Sketch Map:
Well Diameter:	
Casing Mtrl:	
Screen Type:	
Filter Pack Size:	
Vault Type:	
Lock No.:	
Notes:	

Depth (feet)	Samples: Time	Blow Counts	Sample Interval	Sample ID	OVA Reading (ppm) (PID/FID)	USCS Code	SOIL TYPE (IN CAPS): sample description / Drilling Notes [in brackets]	Well Construction Details
5	0805	17/24/28			2.8		SILT (ML) w/ trace of fine to med. sand, LT BRN, DRY, HARD, NO ODOR, NO STAIN., w/ some roots embedded	
10	0815	16/28/26			2.8		SILT (ML) w/ fine gr. sand, LT BRN / BRN, DRY, HARD, NO ODOR, NO STAIN, w/ roots ~~and~~ & some organic matter incorporated	
13	0845	12/24/30						
15					19.7		SILT (ML) w/ trace of sands, fine gr. BRN, MOIST, HARD, NO ODOR, NO STAIN, & micaceous, w/ some org. matter (roots	
18	0850							

Rev. 9/02

Environmental Resources Management 3 Hutton Centre, Suite 600 ERM South Coast Metro, CA 92707 714-430-1476 fax: 714-436-2940		**Log of Borehole:** B-4	
		Project Name:	
		Project Number:	
		Location:	
Date Started: 7/22/05	Date Borehole Completed: 7/22/05	Logged by:	
Borehole Diam.:	Date Well Completed: 7/22/05	Reviewed by:	
Drilling Company: WDC		Well ID:	Sketch Map:
Driller (Crew): PAUL / ED / JOAN		Well Diameter:	
Drilling Method/Equipment: Hollow-stem / AUGER		Casing Mtrl:	
Disposition of Soil Cuttings: 55g drum		Screen Type:	
Sampling Method: CA Mod. SS		Filter Pack Size:	
Hammer Weight: 140 lbs.	Drop Height: 30"	Vault Type:	
Ground Elevation:	TOC Elevation:	Lock No.:	
Easting:	Northing:	Notes:	
Borehole Total Depth: 33'	Well Total Depth: 33		
DTW (initial): 27'	DTW (static):		

Depth (feet)	Samples: Time	Samples: Blow Counts	Samples: Sample Interval	Samples: Sample ID	OVA Reading (ppm) (PID/FID)	USCS Code	SOIL TYPE (IN CAPS): sample description Drilling Notes [in brackets]	Well Construction Details
20								
21	0920	15/20 32			335		SILT (ML) w/ trace of sand, fine gr., BRN, MOIST, HARD, NO odor, NO stain, TRACE of org. matter / roots	
22								
23								
24	0903				12.1			
25							SILT (ML) w/ trace of fine sand, DK BRN/GRY, DAMP, NO odor, NO stain, TRACE of org. matter / roots	
26								
27								
28	0920				-			
29								
30								
31								
32								
33								
34								
35								

Environmental
Resources
Management

3 Hutton Centre
Suite 600
Santa Ana, CA 92707
(714) 430-1476
(714) 436-2940 (fax)

15 February 2006

Mr. Ewan Moffat
County of San Diego Department of Environmental Health
P.O. Box 129261
San Diego, CA 92112-9261

Subject: Results of January 2006 Groundwater Monitoring Event
11719-11749 Woodside Avenue Site
Lakeside, San Diego County, California

Dear Mr. Moffat:

On behalf of the Woodside Avenue Investors, LLC and PDIT Investment, LLC (collectively, the "Client"), ERM-West, Inc., (ERM) has prepared this letter report to document groundwater monitoring activities conducted at 11719-11749 Woodside Avenue (the "Site"). The location of the Site is shown on Figure 1. Monitoring was performed as required by the County of San Diego Department of Environmental Health.

SITE BACKGROUND

Four groundwater monitoring wells were installed at the Site in July 2005. The wells were installed to determine the groundwater conditions in the vicinity of an excavation resulting from the removal of diesel-impacted soil associated with a former underground storage tank (UST) at the Site. The January 2006 monitoring event was conducted to account for seasonal variations that may affect groundwater concentrations since the wells were initially installed in July 2005. Further descriptions of historical site background and hydrogeology can be found in ERM's August 2005 *Groundwater Investigation Report.*

METHODOLOGIES

For the January 2006 groundwater monitoring event, ERM measured water levels and collected groundwater samples from monitoring wells MW-1 through MW-4 on 12 January 2006. Groundwater samples were collected using the low flow purging methodology, as described in the

Groundwater Investigation Report. Monitoring well locations are shown in Figure 2.

Monitoring well purge logs are provided in Appendix A. All purge water was placed in labeled, sealed drums for characterization and disposal. Samples were sealed, labeled, and placed in a chilled cooler for overnight delivery to Calscience Environmental Laboratories, Inc. (Calscience), a California-certified laboratory in Garden Grove, California, under a Calscience chain-of-custody form.

Sample Analysis

Groundwater samples collected from monitoring wells MW-1 through MW-4 were analyzed for volatile organic compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method 8260B, and for total petroleum hydrocarbons (TPH) in the gasoline and diesel ranges using USEPA Method 8015. The VOC analyses included the following oxygenated compounds:

- Methyl-tert-butyl ether;
- Tert-butyl alcohol;
- Di-isopropyl ether;
- Ethyl-tert-butyl ether; and
- Tert-amyl-methyl ether.

The laboratory analytical report and the quality assurance/quality control (QA/QC) review of laboratory data are provided in Appendix B.

RESULTS

The results of the January 2006 groundwater monitoring event are presented in the following figures and tables:

- Figure 2 – Potentiometric surface map;
- Table 1 – Groundwater elevation calculations; and
- Table 2 – Groundwater monitoring analytical results (including historical results).

The results of the January 2006 groundwater monitoring event are summarized below.

Groundwater Elevation and Flow Direction

Depth to groundwater was measured by ERM on 12 January 2006 in monitoring wells MW-1 through MW-4. Groundwater elevations in MW-1 through MW-4 screened from 25 to 35 feet below ground surface ranged from 361.47 feet above mean sea level in MW-3 to 362.50 feet above mean sea level in MW-2 (Table 1). Groundwater elevations declined in three of the four monitoring wells between August 2005 and January 2006, and the average elevation change among all four wells during this period was approximately -0.2 feet. The groundwater gradient at the Site continues to flow toward the north as shown on Figure 2.

Groundwater Chemistry

Analytical results for TPH diesel, TPH gasoline, and VOCs are presented on Table 2. All results were nondetect for all analyses with the exception of acetone found in the duplicate groundwater sample collected from MW-4 (MW-4D). However, acetone was not detected in the original sample from MW-4. ERM conducted an internal QA/QC of the laboratory data, which concluded that the presence of acetone in sample MW-4D was due to laboratory contamination. Laboratory analytical reports for these results and ERM's internal memorandum are included in Appendix B.

Quality Assurance/Quality Control

As part of the QA/QC program, ERM collected and analyzed one duplicate groundwater sample (MW-4D). A trip blank sample was also included in the ice chest transported to the laboratory and analyzed for VOCs, along with the groundwater samples.

Duplicate and trip blank sample results are provided in Appendix B, along with the QA/QC assessment. VOCs were not detected in the trip blank. The laboratory data overall was of good quality and suitable for decision-making purposes.

SUMMARY

The results of the January 2006 groundwater sampling event indicate the following:

- Groundwater at the Site generally flows toward the north, as shown on the Site Plan Map, Figure 2;
- Groundwater elevations at the Site have decreased by an average of 0.2 feet since August 2005; and
- No impacts from UST-related compounds were found in groundwater below the Site.

CONCLUSIONS

Based on the absence of any groundwater impacts at the Site, there appear to be no environmental concerns that pose a risk to groundwater, human health, or the environment at the Site. Since the only potential source of groundwater impact from UST-impacted soils was removed when these soils were excavated, ERM requests that a letter of closure be issued with a recommendation for *No Further Action* related to the TPH release to soil in the former UST area.

Please contact Jay Dablow of ERM at (714) 430-1476 if you have any questions or comments regarding this document.

Sincerely,

John F. Dablow III, C.E.G.
Program Director

Colin P. Young
Principal-in-Charge

CCY/BLH/prm-26769
enclosures
cc: Mr. Bradley J. Tuck (with enclosures)

Figures

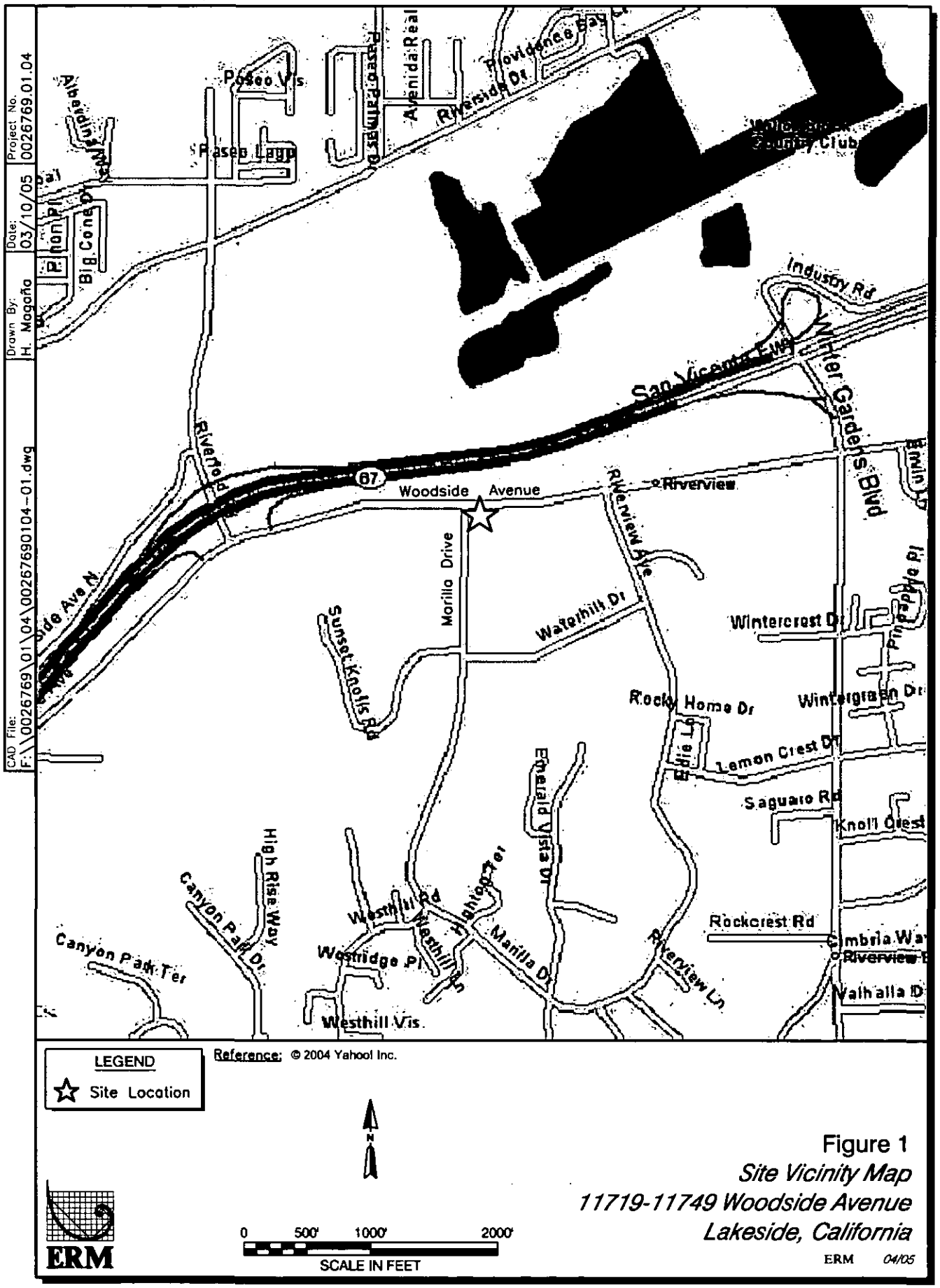


Figure 1
Site Vicinity Map
11719-11749 Woodside Avenue
Lakeside, California

ERM 04/05

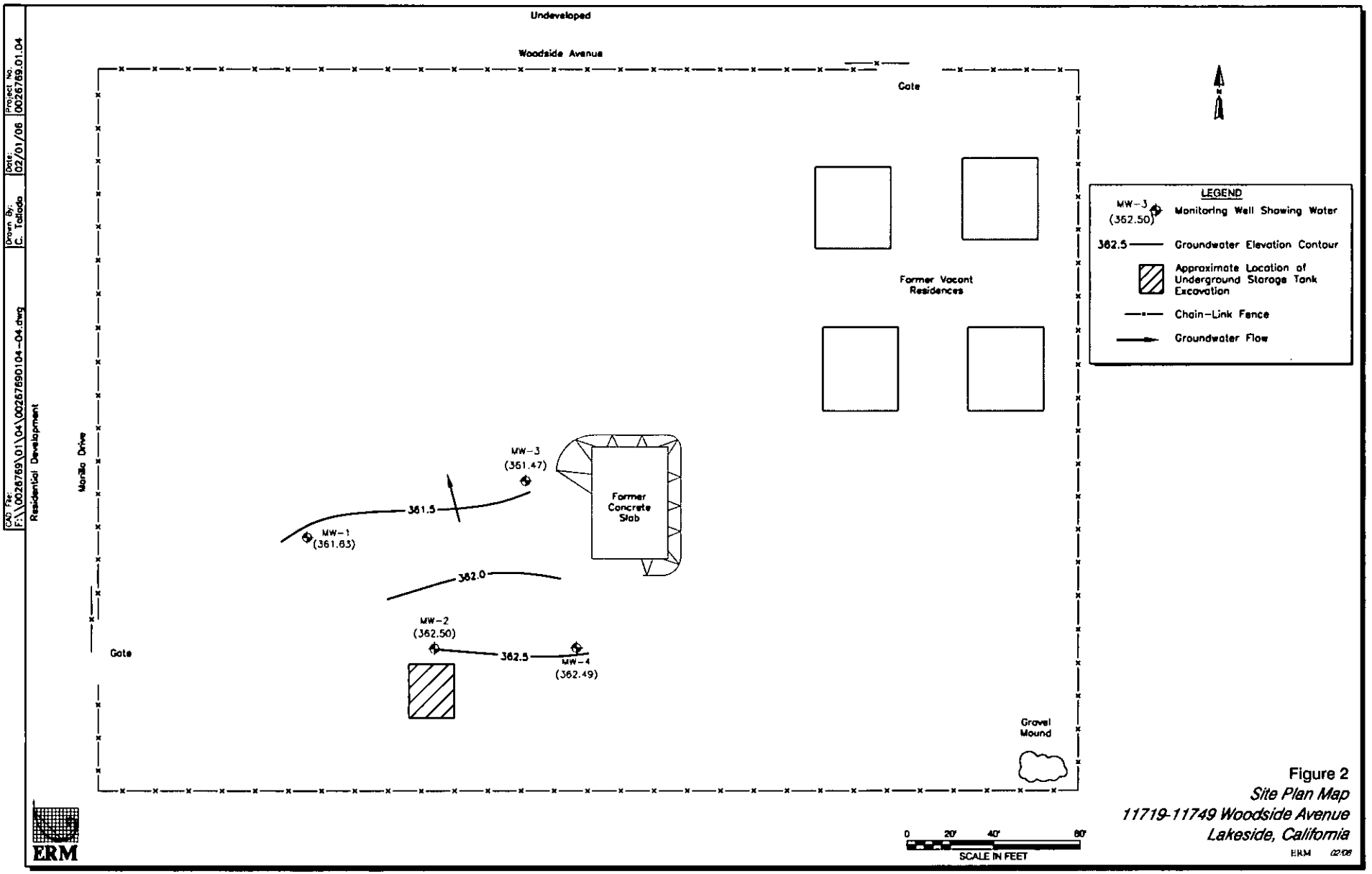


Figure 2
Site Plan Map
11719-11749 Woodside Avenue
Lakeside, California
ERM 02/06

Tables

Table 1 *Groundwater Elevation Calculations*
11719-11749 Woodside Avenue
Lakeside, California

Monitoring Well ID	Date	Elevation of TOC (feet msl)	Depth to Water (feet from TOC)	Groundwater Elevation (feet msl)
MW-1	8/10/2005	+383.81	21.77	+362.04
	1/12/2006	+383.82	22.18	+361.64
MW-2	8/10/2005	+384.57	22.50	+362.07
	1/12/2006	+384.58	22.07	+362.51
MW-3	8/10/2005	+385.65	23.95	+361.70
	1/12/2006	+385.66	24.18	+361.48
MW-4	8/10/2005	+385.17	22.10	+363.07
	1/12/2006	+385.18	22.68	+362.50

Notes:
TOC = top of casing
msl = mean sea level

Table 2 ***Groundwater Monitoring Results***
11719-11749 Woodside Avenue
Lakeside, California

Monitoring Well ID	Date Sampled	TPH as Diesel (8015B)	TPH as Gasoline (8015B)	VOCs (a) (8260B)
		ug/L		
MW-1	8/10/2005	<500	<50	<1.0
	1/12/2006	<50	<100	<1.0
MW-2	8/10/2005	<500	<50	<1.0
	1/12/2006	<50	<100	<1.0
MW-3	8/10/2005	<500	<50	<1.0
	1/12/2006	<50	<100	<1.0
MW-4	8/10/2005	<500	<50	<1.0
	1/12/2006	<50	<100	<1.0
MW-4 Dup	8/10/2005	<500	<50	<1.0
	1/12/2006	<50	<100	<1.0 (b)
Trip Blank	8/10/2005	<500	<50	<1.0
	1/12/2006	<50	<100	<1.0

Notes:

ug/L = micrograms per liter

< = less than laboratory reporting limit

Dup = duplicate sample collected

VOCs = volatile organic compounds

TPH = Total Petroleum Hydrocarbon

(a) detection limit was 1.0 ug/L for most VOCs but ranged from 0.5 ug/L to 100 ug/L for certain VOCs

(b) all VOCs were below detection limits with the exception of acetone, which was detected at a concentratic

Appendix A

Monitoring Well Purge Logs

ERM
PURGE CHARACTERIZATION AND SAMPLE LOG

Job No.: 26769 Project Name: Woodside Ave Date: 1/12/05
Well No.: MW-1 Sampler: Nei/Coy

Sampling Method: Hand Bail / Pump
Field Conditions:

Initial Depth to Water: 22.18 feet Total Depth of Well: 35.03 feet

Height of Water Column:		Diameter 2-inch		Diameter 4-inch	Volume		Purge Factor		Volume To Purge
_____	feet x	0.17	or	0.66	= _____	gal x		=	_____ gal

PURGING PARAMETERS

Time Start: 0957	Volume Purged (gallons)	Purge Rate (gal/min)	T (°C)	Conductivity (Mho)	pH	Turbidity (NTu)	~~Color~~ DO %
10:41			21.30	2.422	6.73	1.2	51.2
10:44			21.59	2.475	6.73	3.7	46.9
10:47			21.97	2.494	6.74	8.6	46.1
10:49			22.02	2.493	6.74	2.0	45.8
10:52			22.10	2.498	6.75	3.6	45.9
10:55			22.11	2.497	6.75	5.8	45.1

SAMPLING PARAMETERS

T (°F)	Conductivity (Mho)	pH	Turbidity (NTu)	Color DO	Depth to Water (Post Purging)
22.11	2.497	6.75	5.8	45.1	22.19

Sample No.	Quantity	Volume	Type	Preservative	Analysis
(Duplicate)					
(Equip Blank)					
(TRIP BLANK)					

Comments: Sample time 10:58 Sampler's Signature: _____

ERM
PURGE CHARACTERIZATION AND SAMPLE LOG

Job No.: 26769 Project Name: Woodside Ave Date: 11/2/05
Well No.: MW-2 Sampler: Neil Coy

Sampling Method: Hand Bail / Pump
Field Conditions:

Initial Depth to Water: 22.07 feet Total Depth of Well: 34.86 feet

Height of Water Column:		Diameter 2-inch		Diameter 4-inch	Volume	Purge Factor	Volume To Purge
_____	feet x	0.17	or 0.66 =	_____	gal x	=	_____ gal

PURGING PARAMETERS

Time Start: 0957	Volume Purged (gallons)	Purge Rate (gal/min)	T (°F) °C	Conductivity (Mho)	pH	Turbidity (NTu)	Color 20 %
11:23			22.17	2.482	6.88	3.1	46.5
11:25			22.22	2.423	6.74	6.4	44.6
11:27			22.25	2.422	6.70	11.1	43.8
11:29			22.25	2.419	6.70	4.1	46.0
11:31			22.28	2.416	6.68	2.5	42.8
11:33			22.28	2.415	6.68	4.5	43.3

SAMPLING PARAMETERS

T (°F)	Conductivity (Mho)	pH	Turbidity (NTu)	~~Color~~ 20 %	Depth to Water (Post Purging)
22.28	2.415	6.68	4.5	43.3	22.10

Sample No.	Quantity	Volume	Type	Preservative	Analysis
(Duplicate)					
(Equip Blank)					
(TRIP BLANK)					

Comments: Sample Time 11:35 Sampler's Signature: _____

ERM
PURGE CHARACTERIZATION AND SAMPLE LOG

Job No.: 26769 ~~MW-3~~
Well No.: MW-3
Project Name: Woodside Ave
Sampler: Neil Coy
Date: 4/12/04

Sampling Method: Hand Bail / Pump
Field Conditions:

Initial Depth to Water: 24.18 feet
Total Depth of Well: 34.98 feet

Height of Water Column:		Diameter 2-inch		Diameter 4-inch		Volume		Purge Factor		Volume To Purge
_____	feet x	0.17	or	0.66	=	_____	gal x		=	_____ gal

PURGING PARAMETERS

Time Start: 0957	Volume Purged (gallons)	Purge Rate (gal/min)	T (°F)	Conductivity (Mho)	pH	Turbidity (NTu)	Color 25 %
13:13			23.93	2.519	6.86	11.8	44.2
13:15			23.81	2.508	6.62	14.1	40.3
13:17			23.49	2.511	6.73	17.4	39.4
13:19			23.60	2.506	6.77	11.4	38.5
13:21			23.61	2.497	6.87	13.1	38.3
13:23			23.60	2.500	6.87	12.3	38.1

SAMPLING PARAMETERS

T (°F)	Conductivity (Mho)	pH	Turbidity (NTu)	Color DD %	Depth to Water (Post Purging)
23.60	2.500	6.87	12.3	38.1	24.19

Sample No.	Quantity	Volume	Type	Preservative	Analysis
(Duplicate)					
(Equip Blank)					
(TRIP BLANK)					

Comments: Sample Time 13:25
Sampler's Signature: _____

ERM
PURGE CHARACTERIZATION AND SAMPLE LOG

Job No.: 26769 Project Name: Woodside Ave Date: 1/12/06
Well No.: MW-4 Sampler: Neil Cox

Sampling Method: Hand Bail / Pump
Field Conditions:

Initial Depth to Water: 22.68 feet Total Depth of Well: 33.21 feet

Height of Water Column:		Diameter 2-inch		Diameter 4-inch	Volume	Purge Factor	Volume To Purge
_____ feet	x	0.17	or	0.66	= _____ gal	x	= _____ gal

PURGING PARAMETERS

Time Start: 0957	Volume Purged (gallons)	Purge Rate (gal/min)	T (°F)	Conductivity (Mho)	pH	Turbidity (NTu)	~~Color~~ DO
12:09			23.04	2.437	6.60	2.7	37.3
12:11			22.98	2.430	6.58	2.5	32.9
12:13			23.04	2.422	6.54	4.9	31.6
12:15			22.96	2.418	6.51	1.9	31.1
12:17			23.01	2.412	6.57	6.4	30.9
12:19			22.91	2.406	6.54	5.3	30.7

SAMPLING PARAMETERS

T (°F)	Conductivity (Mho)	pH	Turbidity (NTu)	~~Color~~ DO %	Depth to Water (Post Purging)
22.91	2.406	6.54	5.3	30.7	22.70

Sample No.	Quantity	Volume	Type	Preservative	Analysis
(Duplicate)					
(Equip Blank)					
(TRIP BLANK)					

Comments: Sample Time 12:21 Sampler's Signature: _____

Appendix B

Laboratory Analytical Reports

Calscience
Environmental
Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

January 20, 2006

Britt Howard
ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Subject: **Calscience Work Order No.:** **06-01-0582**
Client Reference: **Woodside / 0026769.01.01**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/13/2006 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Virendra R Patel

Calscience Environmental
Laboratories, Inc.
Virendra Patel
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST	Date Received: 01/13/06
3 Hutton Centre Dr., Suite 600	Work Order No: 06-01-0582
Santa Ana, CA 92707-8751	Preparation: EPA 5030B
	Method: DHS LUFT

Project: Woodside / 0026769.01.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-1	**06-01-0582-1**	**01/12/06**	**Aqueous**	**01/14/06**	**01/15/06**	**060114B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	67	49-133			

MW-2	**06-01-0582-2**	**01/12/06**	**Aqueous**	**01/14/06**	**01/15/06**	**060114B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	67	49-133			

MW-4	**06-01-0582-3**	**01/12/06**	**Aqueous**	**01/14/06**	**01/15/06**	**060114B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	71	49-133			

MW-4D	**06-01-0582-4**	**01/12/06**	**Aqueous**	**01/14/06**	**01/15/06**	**060114B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	66	49-133			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST	Date Received:	01/13/06
3 Hutton Centre Dr., Suite 600	Work Order No:	06-01-0582
Santa Ana, CA 92707-8751	Preparation:	EPA 5030B
	Method:	DHS LUFT

Project: Woodside / 0026769.01.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-3	**06-01-0582-5**	**01/12/06**	**Aqueous**	**01/14/06**	**01/15/06**	**060114B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	67	49-133	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TB-0105	**06-01-0582-6**	**01/12/06**	**Aqueous**	**01/14/06**	**01/15/06**	**060114B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	68	49-133	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**098-03-006-8,046**		**Aqueous**	**01/14/06**	**01/14/06**	**060114B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	68	49-133	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 01/13/06
Work Order No: 06-01-0582
Preparation: EPA 3510C
Method: DHS LUFT

Project: Woodside / 0026769.01.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-1	**06-01-0582-1**	**01/12/06**	**Aqueous**	**01/16/06**	**01/17/06**	**060116B08**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	75	51-141			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-2	**06-01-0582-2**	**01/12/06**	**Aqueous**	**01/16/06**	**01/17/06**	**060116B08**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	80	51-141			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-4	**06-01-0582-3**	**01/12/06**	**Aqueous**	**01/16/06**	**01/17/06**	**060116B08**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	76	51-141			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-4D	**06-01-0582-4**	**01/12/06**	**Aqueous**	**01/16/06**	**01/17/06**	**060116B08**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	84	51-141			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 01/13/06
Work Order No: 06-01-0582
Preparation: EPA 3510C
Method: DHS LUFT

Project: Woodside / 0026769.01.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-3	**06-01-0582-5**	**01/12/06**	**Aqueous**	**01/16/06**	**01/17/06**	**060116B08**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	66	51-141	

Method Blank	098-03-039-1,132	Aqueous	01/16/06	01/17/06	060116B08

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	51-141	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

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ERM-WEST	Date Received:	01/13/06
3 Hutton Centre Dr., Suite 600	Work Order No:	06-01-0582
Santa Ana, CA 92707-8751	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/L

Project: Woodside / 0026769.01.01 — Page 1 of 7

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-1	**06-01-0582-1**	**01/12/06**	**Aqueous**	**01/13/06**	**01/14/06**	**060113L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	10			c-1,3-Dichloropropene	ND	0.50		
Benzene	ND	0.50			t-1,3-Dichloropropene	ND	0.50		
Bromobenzene	ND	1.0			Ethylbenzene	ND	1.0		
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0			Isopropylbenzene	ND	1.0		
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10			Methylene Chloride	ND	10		
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0			Naphthalene	ND	10		
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0			Styrene	ND	1.0		
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50			1,1,2,2-Tetrachloroethane	ND	1.0		
Chlorobenzene	ND	1.0			Tetrachloroethene	ND	1.0		
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0			1,2,3-Trichlorobenzene	ND	1.0		
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0			1,1,1-Trichloroethane	ND	1.0		
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0			1,1,2-Trichloroethane	ND	1.0		
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0			Trichlorofluoromethane	ND	10		
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0			1,2,4-Trimethylbenzene	ND	1.0		
1,3-Dichlorobenzene	ND	1.0			1,3,5-Trimethylbenzene	ND	1.0		
1,4-Dichlorobenzene	ND	1.0			Vinyl Acetate	ND	10		
Dichlorodifluoromethane	ND	1.0			Vinyl Chloride	ND	0.50		
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50			o-Xylene	ND	1.0		
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0			Tert-Butyl Alcohol (TBA)	ND	10		
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0			Ethyl-t-Butyl Ether (ETBE)	ND	2.0		
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0			Ethanol	ND	100		
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	74-140		1,2-Dichloroethane-d4	96	74-146	
Toluene-d8	95	88-112		1,4-Bromofluorobenzene	86	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST	Date Received:	01/13/06
3 Hutton Centre Dr., Suite 600	Work Order No:	06-01-0582
Santa Ana, CA 92707-8751	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/L

Project: Woodside / 0026769.01.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-2	06-01-0582-2	01/12/06	Aqueous	01/13/06	01/14/06	060113L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	10			c-1,3-Dichloropropene	ND	0.50		
Benzene	ND	0.50			t-1,3-Dichloropropene	ND	0.50		
Bromobenzene	ND	1.0			Ethylbenzene	ND	1.0		
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0			Isopropylbenzene	ND	1.0		
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10			Methylene Chloride	ND	10		
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0			Naphthalene	ND	10		
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0			Styrene	ND	1.0		
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50			1,1,2,2-Tetrachloroethane	ND	1.0		
Chlorobenzene	ND	1.0			Tetrachloroethene	ND	1.0		
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0			1,2,3-Trichlorobenzene	ND	1.0		
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0			1,1,1-Trichloroethane	ND	1.0		
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0			1,1,2-Trichloroethane	ND	1.0		
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0			Trichlorofluoromethane	ND	10		
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0			1,2,4-Trimethylbenzene	ND	1.0		
1,3-Dichlorobenzene	ND	1.0			1,3,5-Trimethylbenzene	ND	1.0		
1,4-Dichlorobenzene	ND	1.0			Vinyl Acetate	ND	10		
Dichlorodifluoromethane	ND	1.0			Vinyl Chloride	ND	0.50		
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50			o-Xylene	ND	1.0		
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0			Tert-Butyl Alcohol (TBA)	ND	10		
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0			Ethyl-t-Butyl Ether (ETBE)	ND	2.0		
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0			Ethanol	ND	100		
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	74-140		1,2-Dichloroethane-d4	101	74-146	
Toluene-d8	98	88-112		1,4-Bromofluorobenzene	85	74-110	

RL - Reporting Limit, DF - Dilution Factor, Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST	Date Received:	01/13/06
3 Hutton Centre Dr., Suite 600	Work Order No:	06-01-0582
Santa Ana, CA 92707-8751	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/L

Project: Woodside / 0026769.01.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-4	**06-01-0582-3**	**01/12/06**	**Aqueous**	**01/13/06**	**01/14/06**	**060113L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	10			c-1,3-Dichloropropene	ND	0.50		
Benzene	ND	0.50			t-1,3-Dichloropropene	ND	0.50		
Bromobenzene	ND	1.0			Ethylbenzene	ND	1.0		
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0			Isopropylbenzene	ND	1.0		
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10			Methylene Chloride	ND	10		
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0			Naphthalene	ND	10		
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0			Styrene	ND	1.0		
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50			1,1,2,2-Tetrachloroethane	ND	1.0		
Chlorobenzene	ND	1.0			Tetrachloroethene	ND	1.0		
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0			1,2,3-Trichlorobenzene	ND	1.0		
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0			1,1,1-Trichloroethane	ND	1.0		
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0			1,1,2-Trichloroethane	ND	1.0		
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0			Trichlorofluoromethane	ND	10		
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0			1,2,4-Trimethylbenzene	ND	1.0		
1,3-Dichlorobenzene	ND	1.0			1,3,5-Trimethylbenzene	ND	1.0		
1,4-Dichlorobenzene	ND	1.0			Vinyl Acetate	ND	10		
Dichlorodifluoromethane	ND	1.0			Vinyl Chloride	ND	0.50		
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50			o-Xylene	ND	1.0		
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0			Tert-Butyl Alcohol (TBA)	ND	10		
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0			Ethyl-t-Butyl Ether (ETBE)	ND	2.0		
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0			Ethanol	ND	100		
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	111	74-140		1,2-Dichloroethane-d4	111	74-146	
Toluene-d8	99	88-112		1,4-Bromofluorobenzene	84	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 01/13/06
Work Order No: 06-01-0582
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Woodside / 0026769.01.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-4D	**06-01-0582-4**	**01/12/06**	**Aqueous**	**01/13/06**	**01/14/06**	**060113L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	13	10			c-1,3-Dichloropropene	ND	0.50		
Benzene	ND	0.50			t-1,3-Dichloropropene	ND	0.50		
Bromobenzene	ND	1.0			Ethylbenzene	ND	1.0		
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0			Isopropylbenzene	ND	1.0		
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10			Methylene Chloride	ND	10		
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0			Naphthalene	ND	10		
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0			Styrene	ND	1.0		
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50			1,1,2,2-Tetrachloroethane	ND	1.0		
Chlorobenzene	ND	1.0			Tetrachloroethene	ND	1.0		
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0			1,2,3-Trichlorobenzene	ND	1.0		
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0			1,1,1-Trichloroethane	ND	1.0		
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0			1,1,2-Trichloroethane	ND	1.0		
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0			Trichlorofluoromethane	ND	10		
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0			1,2,4-Trimethylbenzene	ND	1.0		
1,3-Dichlorobenzene	ND	1.0			1,3,5-Trimethylbenzene	ND	1.0		
1,4-Dichlorobenzene	ND	1.0			Vinyl Acetate	ND	10		
Dichlorodifluoromethane	ND	1.0			Vinyl Chloride	ND	0.50		
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50			o-Xylene	ND	1.0		
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0			Tert-Butyl Alcohol (TBA)	ND	10		
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0			Ethyl-t-Butyl Ether (ETBE)	ND	2.0		
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0			Ethanol	ND	100		
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	74-140		1,2-Dichloroethane-d4	112	74-146	
Toluene-d8	97	88-112		1,4-Bromofluorobenzene	85	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST	Date Received:	01/13/06
3 Hutton Centre Dr., Suite 600	Work Order No:	06-01-0582
Santa Ana, CA 92707-8751	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/L

Project: Woodside / 0026769.01.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-3	**06-01-0582-5**	**01/12/06**	**Aqueous**	**01/13/06**	**01/14/06**	**060113L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	10			c-1,3-Dichloropropene	ND	0.50		
Benzene	ND	0.50			t-1,3-Dichloropropene	ND	0.50		
Bromobenzene	ND	1.0			Ethylbenzene	ND	1.0		
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0			Isopropylbenzene	ND	1.0		
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10			Methylene Chloride	ND	10		
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0			Naphthalene	ND	10		
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0			Styrene	ND	1.0		
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50			1,1,2,2-Tetrachloroethane	ND	1.0		
Chlorobenzene	ND	1.0			Tetrachloroethene	ND	1.0		
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0			1,2,3-Trichlorobenzene	ND	1.0		
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0			1,1,1-Trichloroethane	ND	1.0		
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0			1,1,2-Trichloroethane	ND	1.0		
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0			Trichlorofluoromethane	ND	10		
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0			1,2,4-Trimethylbenzene	ND	1.0		
1,3-Dichlorobenzene	ND	1.0			1,3,5-Trimethylbenzene	ND	1.0		
1,4-Dichlorobenzene	ND	1.0			Vinyl Acetate	ND	10		
Dichlorodifluoromethane	ND	1.0			Vinyl Chloride	ND	0.50		
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50			o-Xylene	ND	1.0		
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0			Tert-Butyl Alcohol (TBA)	ND	10		
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0			Ethyl-t-Butyl Ether (ETBE)	ND	2.0		
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0			Ethanol	ND	100		
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	74-140		1,2-Dichloroethane-d4	99	74-146	
Toluene-d8	96	88-112		1,4-Bromofluorobenzene	84	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 01/13/06
Work Order No: 06-01-0582
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Woodside / 0026769.01.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TB-0105	**06-01-0582-6**	**01/12/06**	**Aqueous**	**01/13/06**	**01/14/06**	**060113L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	10			c-1,3-Dichloropropene	ND	0.50		
Benzene	ND	0.50			t-1,3-Dichloropropene	ND	0.50		
Bromobenzene	ND	1.0			Ethylbenzene	ND	1.0		
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0			Isopropylbenzene	ND	1.0		
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10			Methylene Chloride	ND	10		
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0			Naphthalene	ND	10		
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0			Styrene	ND	1.0		
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50			1,1,2,2-Tetrachloroethane	ND	1.0		
Chlorobenzene	ND	1.0			Tetrachloroethene	ND	1.0		
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0			1,2,3-Trichlorobenzene	ND	1.0		
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0			1,1,1-Trichloroethane	ND	1.0		
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0			1,1,2-Trichloroethane	ND	1.0		
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0			Trichlorofluoromethane	ND	10		
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0			1,2,4-Trimethylbenzene	ND	1.0		
1,3-Dichlorobenzene	ND	1.0			1,3,5-Trimethylbenzene	ND	1.0		
1,4-Dichlorobenzene	ND	1.0			Vinyl Acetate	ND	10		
Dichlorodifluoromethane	ND	1.0			Vinyl Chloride	ND	0.50		
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50			o-Xylene	ND	1.0		
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0			Tert-Butyl Alcohol (TBA)	ND	10		
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0			Ethyl-t-Butyl Ether (ETBE)	ND	2.0		
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0			Ethanol	ND	100		
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	74-140		1,2-Dichloroethane-d4	88	74-146	
Toluene-d8	97	88-112		1,4-Bromofluorobenzene	80	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST	Date Received:	01/13/06
3 Hutton Centre Dr., Suite 600	Work Order No:	06-01-0582
Santa Ana, CA 92707-8751	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/L

Project: Woodside / 0026769.01.01 — Page 7 of 7

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-16,811**		**Aqueous**	**01/13/06**	**01/14/06**	**060113L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	10			c-1,3-Dichloropropene	ND	0.50		
Benzene	ND	0.50			t-1,3-Dichloropropene	ND	0.50		
Bromobenzene	ND	1.0			Ethylbenzene	ND	1.0		
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0			Isopropylbenzene	ND	1.0		
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10			Methylene Chloride	ND	10		
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0			Naphthalene	ND	10		
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0			Styrene	ND	1.0		
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50			1,1,2,2-Tetrachloroethane	ND	1.0		
Chlorobenzene	ND	1.0			Tetrachloroethene	ND	1.0		
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0			1,2,3-Trichlorobenzene	ND	1.0		
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0			1,1,1-Trichloroethane	ND	1.0		
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0			1,1,2-Trichloroethane	ND	1.0		
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0			Trichlorofluoromethane	ND	10		
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0			1,2,4-Trimethylbenzene	ND	1.0		
1,3-Dichlorobenzene	ND	1.0			1,3,5-Trimethylbenzene	ND	1.0		
1,4-Dichlorobenzene	ND	1.0			Vinyl Acetate	ND	10		
Dichlorodifluoromethane	ND	1.0			Vinyl Chloride	ND	0.50		
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50			o-Xylene	ND	1.0		
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0			Tert-Butyl Alcohol (TBA)	ND	10		
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0			Ethyl-t-Butyl Ether (ETBE)	ND	2.0		
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0			Ethanol	ND	100		
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	74-140		1,2-Dichloroethane-d4	111	74-146	
Toluene-d8	97	88-112		1,4-Bromofluorobenzene	87	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

01/13/06
Work Order No: 06-01-0582
Preparation: EPA 5030B
Method: DHS LUFT

Project Woodside / 0026769.01.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-01-0592-2	**Aqueous**	**GC 5**	**01/14/06**	**01/14/06**	**060114S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	95	88	70-112			

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

01/13/06
Work Order No: 06-01-0582
Preparation: EPA 5030B
Method: EPA 8260B

Project Woodside / 0026769.01.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-01-0559-2	Aqueous	GC/MS FF	01/13/06	01/14/06	060113S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	96	88-118			
Carbon Tetrachloride	96	100	67-145			
Chlorobenzene	97	95	88-118			
1,2-Dichlorobenzene	102	102	86-116			
1,1-Dichloroethene	91	99	70-130			
Toluene	102	102	87-123			
Trichloroethene	91	92	79-127			
Vinyl Chloride	94	100	69-129			
Methyl-t-Butyl Ether (MTBE)	110	100	71-131			
Tert-Butyl Alcohol (TBA)	83	99	36-168			
Diisopropyl Ether (DIPE)	115	102	81-123			4
Ethyl-t-Butyl Ether (ETBE)	106	101	72-128			
Tert-Amyl-Methyl Ether (TAME)	99	96	72-128			
Ethanol	109	111	53-149			

RPD - Relative Percent Difference, CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST		Date Received:	N/A
3 Hutton Centre Dr., Suite 600		Work Order No:	06-01-0582
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	DHS LUFT

Project: Woodside / 0026769.01.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
098-03-006-8,046	Aqueous	GC 5	01/14/06	01/14/06	060114B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	97	101	72-114	4	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST		Date Received:	N/A
3 Hutton Centre Dr., Suite 600		Work Order No:	06-01-0582
Santa Ana, CA 92707-8751		Preparation:	EPA 3510C
		Method:	DHS LUFT

Project: Woodside / 0026769.01.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
098-03-039-1,132	Aqueous	GC 23	01/16/06	01/17/06	060116B08

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	86	80	60-132	7	0-11	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST		Date Received:	N/A
3 Hutton Centre Dr., Suite 600		Work Order No:	06-01-0582
Santa Ana, CA 92707-8751		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project: Woodside / 0026769.01.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-16,811	Aqueous	GC/MS FF	01/13/06	01/13/06	060113L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	95	95	84-120	0	0-8	
Carbon Tetrachloride	94	95	63-147	1	0-10	
Chlorobenzene	96	95	89-119	1	0-7	
1,2-Dichlorobenzene	100	100	89-119	0	0-9	
1,1-Dichloroethene	94	97	77-125	3	0-16	
Toluene	102	101	83-125	1	0-9	
Trichloroethene	93	91	89-119	2	0-8	
Vinyl Chloride	97	100	63-135	3	0-13	
Methyl-t-Butyl Ether (MTBE)	96	97	82-118	1	0-13	
Tert-Butyl Alcohol (TBA)	96	88	46-154	9	0-32	
Diisopropyl Ether (DIPE)	95	99	81-123	4	0-11	
Ethyl-t-Butyl Ether (ETBE)	103	105	74-122	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	103	102	76-124	1	0-10	
Ethanol	102	95	60-138	6	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

ACCREDITED IN ACCORDANCE WITH nelac

Work Order Number: 06-01-0582

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Emma Dennison

From: Britt.Howard@erm.com
Sent: Monday, January 16, 2006 11:03 AM
To: Emma Dennison
Subject: Add Oxygenates to Work Order # 06-01-0582

Hi Emma
Per our phone conversation. Please add Oxygenates to the Chain-of-Custody for each of the samples that will be analyzed for VOCs.
thanks,

Britt L. Howard

ERM-WEST, INC.
3 Hutton Centre
Suite 600
Santa Ana, CA 92707
(714) 430-1476 Ext. 2030
(714) 436-2940 (fax)

This message contains information which may be confidential, proprietary, privileged, or otherwise protected by law from disclosure or use by a third party. If you have received this message in error, please contact us immediately at (925) 946-0455 and take the steps necessary to delete the message completely from your computer system. Thank you. Please visit ERM's web site: http://www.erm.com

Environmental Resources Management

(6582)

CHAIN OF CUSTODY RECORD

NO: 1115

3 Hutton Centre, Suite 600 ● South Coast Metro, CA 92707 ● (714) 430-1476 ● FAX (714) 436-2940

PROJECT #	PROJECT NAME
0026769.01.01	Woodside

SAMPLER: (PRINT NAME)	(SIGNATURE)
Neil Coy	

RECEIVING LABORATORY: Calscience

	SAMPLE I.D.	DATE	TIME	COMP	GRAB	SAMPLING METHOD	PRESERVATIVE	ICE (Y/N)	SAMPLING VOLUME	# OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	MATRIX: GAS	REQUESTED PARAMETERS: TPH 8015 Gasoline	TPH 8015 Diesel	VOCs 8260
1	MW-1	1/12/06	10:58		X	Low flow	Y	Y	Misc	7		X		X	X	X
2	MW-2	↓	11:35		X	↓	Y	Y	↓	7		X		X	X	X
3	MW-4		12:21		X		Y	Y		7		X		X	X	X
4	MW-4D		12:21		X		Y	Y		7		X		X	X	X
5	MW-3	↓	13:25		X	↓	Y	Y	↓	7		X		X	X	X
6	TB-0105						Y	Y	40mL	2		X		X		X

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
	1/13/06	11:50			
			[signature] CFL	1/13/06	1150

FIELD REMARKS:

☐ BOTTLE INTACT ☐ PRESERVED ☐ CUSTODY SEALS ☐ SEALS INTACT ☐ CHILLED ☐ SEE REMARKS

STANDARD TURN TIME

SEND REPORT TO: Brit Howard

WHITE - LABORATORY COPY CANARY - FIELD COPY PINK - DATABASE MANAGER GOLD - PROJECT FILE

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06-011-0582

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Environmental Resources DATE: 1/13/06

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.
_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
3.2 °C IR thermometer.
_____ Ambient temperature.

Initial: TL

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact): _____ Not Applicable (N/A): ✓

Initial: TL

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace	✓		
Tedlar bag(s) free of condensation			✓

Initial: TL

COMMENTS:

P.O. BOX 129261
SAN DIEGO, CA 92112-9261
ATTN: NASSER SIONIT
(619) 338-2239
(619) 338-2315 (FAX)
WEB SITE: www.co.san-diego.ca.us/deh/lwq/sam

CHECK #1129

FOR OFFICE USE:
Date Received Feb. 1, 06
Submittal Fee Paid $345.00
Establishment # H35322-003

RECEIVED 2006 FEB 1 AM 9 56

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH

Expedited VAP

No RPT.
e-mail EM 2-2
KD 2-2
MV 2-6

VOLUNTARY ASSISTANCE PROGRAM
APPLICATION FOR ASSISTANCE

(PLEASE READ BOTH PAGES OF THIS APPLICATION PRIOR TO COMPLETION)

A. Site Name: Woodside Avenue — Assessors Parcel Number: 382-220-01

Site Address: 11719-11749 Woodside Avenue (Street) Lakeside, (City) CA (State) 92040 (Zip Code)

B. Property Owner Woodside Avenue Investors, LLC and PDIT Investment, LLC

Mailing Address 457 Glencrest Drive (Street) Solana Beach (City) CA (State) 92075 (Zip Code)

Contact Person James Hunter — Telephone (619) 507-6200 (cell)

C. Application Submitted By:

Contact Person: Colin Young — Telephone (619) 574-0620

Company Name ERM

Mailing Address 2251 San Diego Ave, Suite B208 (Street) San Diego (City) CA (State) 92110 (Zip Code)

Note: Applicant is responsible for payment to the County. Invoices will be sent to the applicant at this address unless other arrangements are made.

Brief Project Description: A shallow pit containing miscellaneous debris was identified in the southeast quadrant of the site by a previous consultant/contractor to the property owner. ERM was subsequently retained to explore the size and nature of the debris pit, and dispose the contents discovered, and as appropriate. The debris was excavated with a backhoe and temporarily placed on plastic sheeting to facilitate waste characterization/profiling protocols. Most of the debris was comprised of general refuse, but did contain some paint cans and glass jars with a clear liquid in them. Samples of soil mixed with and in the paint cans and jars were analyzed (for waste profiling purposes) and found to contain total petroleum hydrocarbons (TPHs) and associated volatile organic compounds (VOCs). The debris was containerized, manifested and disposed as hazardous waste. Samples of soil obtained from the resulting shallow pit did not possess, or reveal indicators of, impact from the TPHs and VOCs found in the debris. Thus, impacts do not appear to have extended beyond the parameters of the debris, itself, and excavation beyond the debris was not considered warranted. Groundwater samples obtained from on-site wells (placed as a component of a UST investigation on-site) also did not possess indicators of impact. ERM backfilled the shallow pit and prepared a report at the request of DEH representatives (Tony Sawyer/Ewan Moffat) and submitted it to the DEH in October 2005 for review. The report has reportedly been reviewed, but the results of that review are pending receipt of this VAP application.

Type of Assistance Requested: Provide an "expedited" review the aforementioned report and provide guidance in pursuit of a closure of the shallow debris pit issue at the site. To facilitate the expedited review, a payment of $345.00 will accompany the original (2 hrs x $115/hr x 1.5).

I accept the application requirements and project review conditions listed on Page 2 of 2 and I agree to pay all costs associated with DEH staff time and services within 30 days of receiving an invoice.

Original Signature of Applicant

Colin P. Young
Printed Name

January 31, 2006
Date

(called, will send RPT's 5/9m.)

McMillin Land Development

A Corky McMillin Company

2750 Womble Road
San Diego, CA 92106
Telephone (619) 794-1204
Fax (619) 794-1610

RECEIVED
2006 FEB 1 AM 9 56
MAILROOM

LETTER OF TRANSMITTAL

VIA: Messenger Express

DATE: January 31, 2006

TO: Nasser Sionit

COMPANY: County of San Diego
1255 Imperial Avenue, 3rd Floor
San Diego, CA 92101

CC:

FROM: Jim Hunter

RE: **Woodside Avenue—Voluntary Assistance Program**

WE ARE ENCLOSING THE FOLLOWING:

- County of San Diego Voluntary Assistance completed form
- Check in the amount of $345.00

WE REQUEST THE FOLLOWING:

REMARKS:

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
619-338-2222/FAX 619-338-2315/1-800-253-9933
www.sdcounty.ca.gov/deh/lwq

April 24, 2006

Mr. Jim Hunter
Woodside Avenue Investors, LLC
1670 La Force Rd.
Alpine, CA 91901

Dear Mr. Hunter:

VOLUNTARY ASSISTANCE PROGRAM, FILE H35322-003
FORMER WOODSIDE MOTORS
11719 WOODSIDE AVE., LAKESIDE, CA 92040

The Department of Environmental Health (DEH), Site Assessment and Mitigation Program (SAM), reviewed the environmental investigation reports related to the above-referenced property, prepared by ERM. The reports summarize the site investigation and mitigation activities performed at the above-referenced location. Provided that the information presented to DEH/SAM was complete, accurate, and representative of existing site conditions, **this agency concurs that the cleanup goals established for the subject site have been met.**

Please be advised that this letter does not relieve the responsible party of any liability under the California Health and Safety Code or the Porter Cologne Water Quality Control Act.

Changes in the present use of the above site as residential use may require reevaluation to determine if the change will pose a risk to public health.

Thank you for selecting the Department of Environmental Health as your lead agency to assist you with the progress of your environmental project. Please contact Ewan Moffat of the Site Assessment and Mitigation Program, at (619) 338-2212, if you require additional assistance.

Sincerely,

GEORGE McCANDLESS, Program Manager
Supervising Environmental Health Specialist
Site Assessment and Mitigation Program

GM:EM:kd

Enclosure

cc: John Anderson, Regional Water Quality Control Board
Jay Dablow, ERM

WP/H35322-003-406VAPCLO

Case Closure Summary
Non-LOP or Voluntary Assistance Program

I. AGENCY INFORMATION

DATE: April 24, 2006

Agency Name: County of San Diego, Environmental Health, SAM	Address: P.O. Box 129261
City/State/ZIP: San Diego, CA 92112-9261	Phone: (619) 338-2222 . FAX: (619) 338-2377
DEH Staff Person: EWAN MOFFAT	Title: ENVIRONMENTAL HEALTH SPECIALIST

II. CASE INFORMATION

Case No. H35322-003	RWQCB Case No.
Site Name: WOODSIDE MOTORS	Site Address: 11719 WOODSIDE AV, LAKESIDE, CA 92040

Property Owner: WOODSIDE AVENUE INVESTORS LLC, 457 GLENCREST DRIVE, SOLANA BEACH, CA 92075

Responsible/Requesting Parties	Address	Phone Number
WOODSIDE AVENUE INVESTORS LLC c/o JAMES HUNTER	457 GLENCREST DRIVE, SOLANA BEACH, CA 92075	(619) 507-6200

Type of Case: NON-TANK CASE

Agency notification of DEH Oversight: DTSC: 2/8/2006 RWQCB: 2/8/2006

III. SITE CHARACTERIZATION AND/OR INFORMATION

Purpose of Investigation: CLEANUP OF STAINED SOILS, BURIED CONTAINERS	Substances Investigated: GASOLINE, HEAVY METALS

Site Characterization complete? YES 3/31/2006

Monitoring Wells Installed? NO	Total Number: 0	Proper Screened Interval? NA	Number of decommissioned wells: 0

Range of groundwater levels on the site? 21.77' - 24.18' *	Groundwater Flow Direction: NORTH*

Most Sensitive Current Use: EXISTING BENEFICIAL GROUNDWATER USE: MUN, AGR, IND, PROC
EXISTING BENEFICIAL SURFACE WATER USE: IND, REC1, REC2 AND POTENTIAL: MUN

Are Drinking Water Wells Affected? NO	RWQCB Basin Number: 907.12-SANTEE HYDROLOGIC SUB AREA
Is Surface Water Affected? NO	Nearest Surface Water name: SAN DIEGO RIVER, 1/4 MILE NORTH

Off-Site Beneficial Use Impacts (addresses/locations): NONE

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount	(Include Units)	Action (Treatment or Disposal)	Date
SOIL	152	TONS	DISPOSAL, CANDELARIA, ANZA CA	3/2/2005
PAINT WASTE / CONTAINERS	20	55 GAL DRUMS	DISPOSAL, CLEAN HARBORS, ARAGONITE UT	3/2/2005

Non-LOP - Underground Storage Tank Oversight handled outside the LOP
Non-Tank – Voluntary Assistance Program

Case Closure Summary
Non-LOP or Voluntary Assistance Program

III. SITE CHARACTERIZATION AND/OR INFORMATION (Continued)

H35322-003

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS	MAXIMUM	REMAINING
SOIL		
Gasoline	= 140000 mg/kg	< 10 mg/kg
Benzene	= 200 mg/kg	< 0.005 mg/kg
Toluene	= 55000 mg/kg	< 0.005 mg/kg
Ethyl benzene	= 5500 mg/kg	<0.005 mg/kg
Xylene (individual isomers or total)	= 47000 mg/kg	< 0.015 mg/kg
Methyl-tert-butyl ether (MTBE)	< 20 mg/kg	< 0.005 mg/kg
Arsenic	= 4.25 mg/kg**	= 0.174 mg/kg
Cadmium	= 0.52 mg/kg	= 0.117 mg/kg
Lead	= 38.9 mg/kg	= 19.2 mg/kg
Mercury	< 0.0835 mg/kg	< 0.0835 mg/kg
Naphthalene	< 20 mg/kg	< 0.005 mg/kg

Comments:

This case was opened to evaluate the adequate disposal of stained soil, paint containers and oil filters that were found buried on a small portion of this site.

Composite samples indicated impact to portions of the excavated material by gasoline and arsenic. Confirmation samples indicated adequate removal of the hydrocarbons; however no confirmation samples were initially taken for arsenic. A final confirmation boring indicated levels of arsenic below that of background levels.

All impacted soils were excavated and disposed offsite. Other than excavation, no other means of cleanup occurred.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? YES

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? YES

Does corrective action protect public health for current land use? YES

Case review based on current/proposed use as: RESIDENTIAL

Are there other issues DEH needs to follow up on: NO

Site Management Requirements:
ANY CONTAMINATED SOIL EXCAVATED AS PART OF SUBSURFACE CONSTRUCTION WORK MUST BE MANAGED IN ACCORDANCE WITH THE LEGAL REQUIREMENTS AT THAT TIME.

Should corrective action be reviewed if land use changes? YES

List Enforcement Actions Taken: NONE

List Enforcement Actions Rescinded: NONE

Is this account up to date and current? YES

Case Closure Summary
Non-LOP or Voluntary Assistance Program

V. LOCAL AGENCY REPRESENTATIVE DATA

H35322-003

Name: TONY SAWYER	Title: HYDROGEOLOGIST
Signature: Tony V. Sawyer	Date: 4-24-06

VI. RWQCB NOTIFICATION

Date Submitted to RWQCB:	RWQCB Response: NA - VAP	
RWQCB Staff Name: NA	Title:	Date:

VII. ADDITIONAL COMMENTS, DATA, ETC.

* Based on LOP case H35322-002 which is on another portion of this property.
** Based on a four way (4 X) dilution of a composite sample.

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.

Moffat, Ewan
From: Moffat, Ewan
Sent: Thursday, February 16, 2006 6:50 PM
To: Jay Dablow (Jay.Dablow@erm.com)
Cc: Sawyer, Tony
Subject: Comments for Woodside Avenue Shallow Debris Pit.

Jay,

Thanks for the effort. It looks like quite a bit of research went into this; nonetheless, we will still need background data that is representative for this site. I'll get into that in a bit more as I comment on each of the four items.

My computer is not picking up your red (happens a lot with these different formats). I will add my comments in blue under your comments and also change the font just in case the color is lost.

-----Original Message-----
From: Jay.Dablow@erm.com [mailto:Jay.Dablow@erm.com]
Sent: Thursday, February 16, 2006 1:14 PM
To: Moffat, Ewan
Cc: colin.young@erm.com
Subject: Re: Shallow Debris Pit Report. Woodside Ave.

Ewan - My comments are below in red.

Jay Dablow
ERM
3 Hutton Centre, Suite 600
Santa Ana, CA 92707
(714) 430-1476 ext. 2024
(714) 606-9110 (cell)
(714) 436-2940 (fax)
jay.dablow@erm.com
www.erm.com

"Moffat, Ewan" <Ewan.Moffat@sdcounty.ca.gov> 02/14/2006 06:46 PM

To: <Jay.Dablow@erm.com>
cc:
Subject: Shallow Debris Pit Report. Woodside Ave.

Jay,

I've reviewed this report. A few questions.

1… The composite sample DP-SP-021705 consisted of how many dilutions (individual samples to make up the composite). The sample was collected in
a 4 oz. jar and consisted of a quartered composite. Our sampling procedures
use a quartering process to collect samples from the four quarters which
are then mixed and sampled for the analysis.

Let me be sure I got this right, a sample was taken from four locations and mixed into one jar (composite, of course- just need to be sure). That being the case, we will have to assume the worst case in that three of them were ND and one had four times the arsenic noted in the composite (4 x 4.25 = 17 mg/kg). This is the value we will now have to use unless there data to suggest otherwise or I have misinterpreted the way in which this sample was collected. Please let me know.

2.. Were any of the confirmation samples analyzed for CAM 17 metals?
No. The soils stockpiled by Geocon and those removed under our supervision
were visually distinct from the soils in the excavation walls and floor.
Based on the previous sampling by Geocon and our stockpile sampling, impacts from metals, PCBs, and pesticides were unlikely. Therefore, we selected the TPH and VOC analyses conducted in the on site laboratory to
confirm this visual distinction and that the soils left in place were not
impacted by the excavated debris.

We cannot assume the lack of levels based solely on visual, particularity with metals. We need actual analysis of arsenic taken from those samples in the area believed to be clean (i.e. DP6-5N, DP7-3W Etc); arsenic contamination can exist without visual stains.

Granted, there is a reasonable argument made that the staining used for visual determination could be from a hydrocarbon source (as verified by the ND TPH samples in the cleaner-looking soils); Unfortunately, the arsenic would most likely have come from a different source than hydrocarbons and has different characteristics in soil than hydrocarbons (i.e. does not necessarily stain).

Before we start considering obtaining confirmation arsenic samples, the more important issue is obtaining background samples representative of the site. If they are obtained and are at levels around 17mg/kg, then confirmation samples may not be necessary. More about background samples will be discussed in then next comment (#3)

3.. The report mentions a study showing the range of background results
for the western US. Were there any background soil samples taken for metals at this site? If so, how many and where. Geocon collected samples
for Title 22 metals during their Phase I and II investigation. They concluded "Reported concentrations of CCR Title 22 metals are within typical background ranges in soil in southern California (Bradford, 1996).
No additional background samples were obtained at the site and no samples
were analyzed for metals other than the soil excavation profiling samples.
I have attached some background references.

(See attached file: Backgd metals in CA soils - Bradford et al.pdf)(See attached file: Arsenic Evaluation in LA Area - DTSC.pdf)

Thanks for the effort and research here; unfortunately, we do not accept regional data for background levels. Background data must come from that site in areas clearly not impacted from any kind of contamination.

You also mention a Phase II done by Geocon. DEH is not currently in possession of this Phase II; however, if there was adequate background analyses done here for metals (as I think you suggested here), a copy of thot Phase II may just solve this problem. I'll double check, but I'm sure we do not have a copy of this Geocon report.

4. Was any kind of leachate test performed for the sample DP-SP-021705? No analyses other than the CAM Metal procedures were conducted.

That is OK for now. Leachate may only become necessary if the background samples indicate a need to take confirmation samples for arsenic and those confirmation samples came out significantly above background.

As a last note, please provide cross-sections (NS and EW) of this excavation that show soil types (Geocon clean fill, native, stained Etc) and sample locations / results.

That's it for now.

Thanks

Ewan Moffat
Environmental Health Specialist
Phone (619) 338-2212
Fax (619) 338-2315
ewan.moffat@sdcounty.ca.gov

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ERM's web site: http://www.erm.com

Ewan Moffat
Environmental Health Specialist
Phone (619) 338-2212
Fax (619) 338-2315
ewan.moffat@sdcounty.ca.gov

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

RICHARD HAAS
ASSISTANT DIRECTOR

SB 1248 NOTIFICATION

February 8, 2006 NUMBER OF PAGES: 4

FAX TO:

John Anderson	Senior Engineering Geologist San Diego RWQCB	Fax Tel	858-571-6972 858-467-2975
✓ Greg Holmes	Unit Chief, Cleanup Operations Southern California DTSC, Cypress Office	Fax Tel	714-484-5438 714-484-5461

FROM:

Nasser Sionit	VAP Coordinator Dept. Environmental Health	Fax Tel	619-338-2377 619-338-2239

The County of San Diego, Department of Environmental Health (DEH) proposes to enter into a Remedial Action Agreement with the Responsible Parties/Applicants on sites listed below. Pursuant to the Health and Safety Code 101480-101490, the following information is provided as notification to your agency. A copy of the following application(s) is attached.

DEH File No:	Site Name & Address	Any Known Regulatory Involvement at Site?
H21360-001	Qualcomm Stadium, 9449 Friars Rd., SD	
H35322-003	Woodside Ave., 11719-11749 Woodside Ave., Lakeside	
H16472-001	Super Welding of S. CA, 1702-1710 National Ave., SD	

Signature RWQCB / DTSC (Circle one) 2/8/06 Date

Signature only indicates receipt of notification.

Please sign to acknowledge receipt of this notification. Please fax a copy to Nasser Sionit at (619) 338-2377. Thank you.

Ewan:
For your VAP file
H35322-3.
Thanks!
2-14-06

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

SB 1248 NOTIFICATION

February 8, 2006 NUMBER OF PAGES: 4

FAX TO:			
✓ John Anderson	Senior Engineering Geologist San Diego RWQCB	Fax Tel	858-571-6972 858-467-2975
Greg Holmes	Unit Chief, Cleanup Operations Southern California DTSC, Cypress Office	Fax Tel	714-484-5438 714-484-5461
FROM:			
Nasser Sionit	VAP Coordinator Dept. Environmental Health	Fax Tel	619-338-2377 619-338-2239

The County of San Diego, Department of Environmental Health (DEH) proposes to enter into a Remedial Action Agreement with the Responsible Parties/Applicants on sites listed below. Pursuant to the Health and Safety Code 101480-101490, the following information is provided as notification to your agency. A copy of the following application(s) is attached.

DEH File No:	Site Name & Address	Any Known Regulatory Involvement at Site?
H21360-001	Qualcomm Stadium, 9449 Friars Rd., SD →	Coordinate with Kelly Dorsey (858) 467-2980
H35322-003	Woodside Ave., 11719-11749 Woodside Ave., Lakeside	
H16472-001	Super Welding of S. CA, 1702-1710 National Ave., SD	MVT RPM

→ Notify us if significant VOC release to ground water or off-site plume. (>1ppm)

John L. Anderson RWQCB DTSC 2/6/06
Signature (Circle one) Date

Please sign to acknowledge receipt of this notification. Please fax a copy to Nasser Sionit at (619) 338-2377. Thank you.

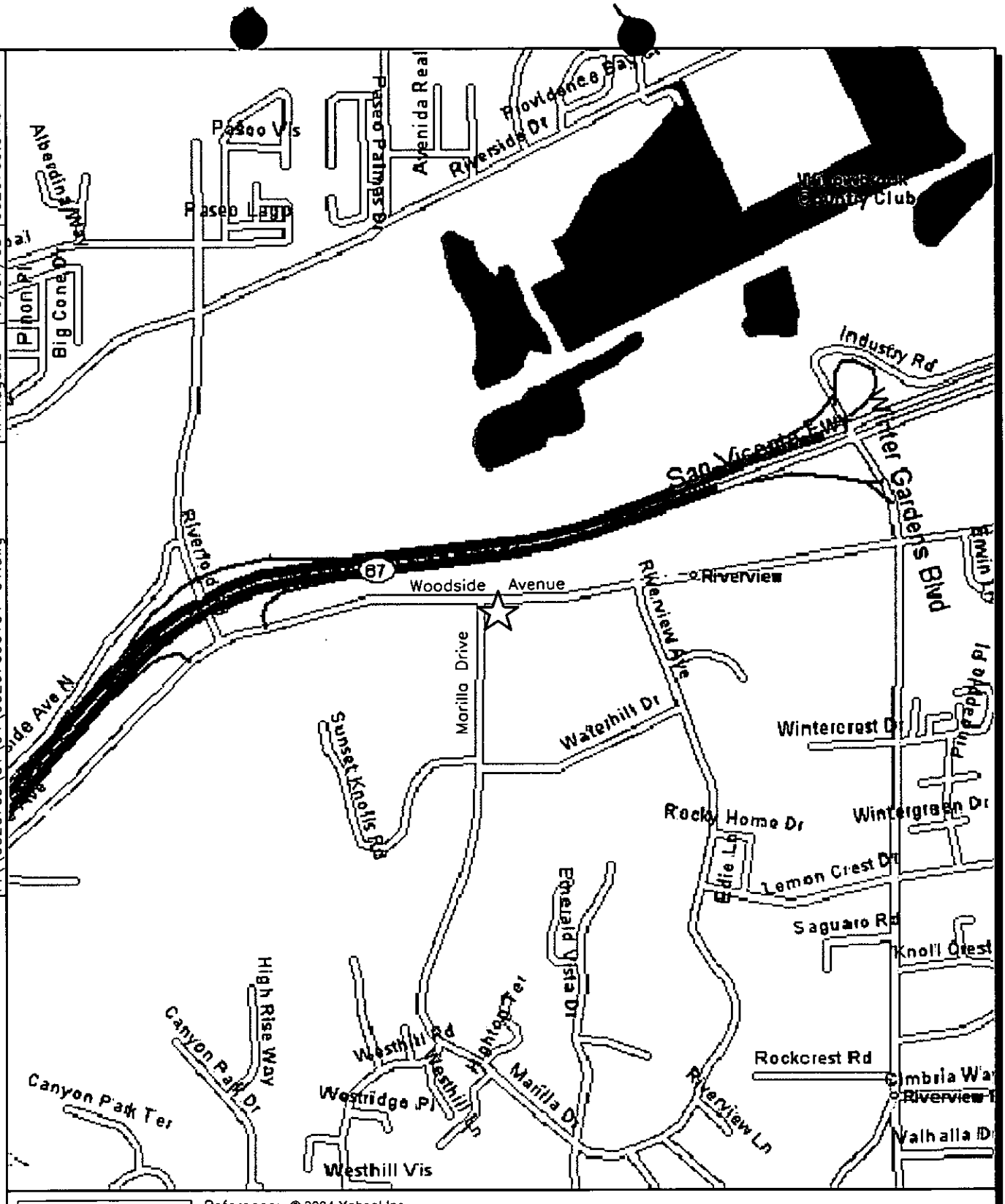


Figure 1
Site Vicinity Map
11719-11749 Woodside Avenue
Lakeside, California
ERM 10/05

Woodside Avenue Investors, LLC

Shallow Debris Pit Mitigation Report

October 2005

11719-11749 Woodside Avenue,
Lakeside, San Diego County, California

Colin Young, CIH
Principal-in-Charge

Jay Dablow, C.E.G.
Project Manager

Environmental Resources Management
2251 San Diego Avenue, Suite B-208
San Diego, California 92110
(619) 574-0620

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Figure 2 *Site Plan Map*

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Table 1 *Laboratory Results of Analysis of Soil Samples – VOCs and TPH*

Table 2 *Laboratory Results of Analysis of Soil Samples - CAM 17 Metals*

1.0 INTRODUCTION

Woodside Avenue Investors, LLC and PDIT Investment, LLC (collectively, the Client) retained ERM-West, Inc. (ERM) to conduct site mitigation at a shallow debris pit located at 11719-11749 Woodside Avenue, Lakeside, San Diego County, California (the Site) (see Figure 1). This mitigation involved the collection and profiling of debris and associated soil, including various containers and other general refuse, and proper disposal of these materials at appropriate off-site facilities.

The general approach for mitigation was outlined in ERM's Proposal for Environmental Support dated 18 December 2004. ERM's field activities involved the continuation of excavation activities that were reportedly initiated in late 2004 by Geocon Consultants, Inc. (Geocon). Consistent with what we believe was Geocon's original plan, ERM proposed excavation of the debris as the most feasible strategy for mitigation, based on the Client's schedule for site development and other site-specific constraints.

1.1 PROJECT BACKGROUND

The background for this project is summarized below, including a description of the Site setting, history, results of previous investigation and excavation activities, and proposed development.

1.1.1 *Site Description and History*

The Site description and historical information presented herein is based, in part, on information provided in a report prepared by Geocon entitled "Phase I/Phase II Environmental Site Assessment, 11719 -11749 Woodside Avenue, Lakeside, California," dated 20 July 2004. It is our understanding that Geocon performed additional services at the Site, but the data relating to those services was not disclosed to the Client, and thus, was unavailable for ERM review.

1.1.1.1 *Site Description*

The Site consists of a rectangular parcel of land occupying approximately 4 acres in a mixed commercial and residential area. The Site is currently razed, but formerly contained a sheet-steel commercial building, five single-family residences, a concrete slab, and various asphalt-paved areas.

The Client reportedly plans to develop the Site for residential purposes. The Site, identified by San Diego County Assessor's Parcel Number (APN) 382-220-01, is located on the southeastern corner of Woodside Avenue and Marilla Drive in the community of Lakeside, San Diego County, California (Figure 1).

The Site is at an elevation of approximately 390 feet above mean sea level. The proximate topography is nearly flat, but slopes slightly to the northwest.

1.1.1.2 Site History

In early to mid 2004, Geocon reportedly conducted a preliminary Environmental Site Assessment (ESA) of the Site on behalf of Silver Sage Properties, LLC. During this study, Geocon identified surface debris located in the southeast quadrant of the Site.

Geocon conducted a limited subsurface ESA at the Site between 19 March and 17 June 2004 to evaluate the character and extent of debris identified during the preliminary ESA. The subsurface ESA reportedly included a geophysical survey, which identified metallic anomolies in the southeastern portion of the Site. Subsequent exploratory trenching was conducted to a maximum depth of 5 feet below ground surface (bgs) and identified a thin layer of debris from 3 to 5 feet bgs. This debris consisted of general refuse, including containers of various sizes, inter-mixed with soils. Soil samples from this debris layer were collected by Geocon for laboratory analysis from two trenches (TD-1 and TD-2). Four soil borings (GB-06 through GB-09) were also excavated in native soils, outside of the limits of the debris layer in the debris area. All of the soil borings were reportedly terminated just above 20 feet bgs.

Samples were reportedly collected from the inter-mixed debris. These samples were analyzed for volatile organic compounds (VOCs). Soil samples from the trenches were also analyzed for total petroleum hydrocarbons as gasoline (TPHg), as diesel (TPHd), and as motor oil (TPHm). One trench sample was also analyzed for organochlorine pesticides (OCPs), polychlorinated biphenyls (PCBs), asbestos-containing materials (ACMs), and California Assessment Manual (CAM) 17 metals.

Two soil samples were collected from within the debris layer in the trenches excavated in the vicinity of the shallow debris pit. One of these samples contained TPHd, TPHg, and TPHm at concentrations up to 81 milligrams per kilogram (mg/kg), 33 mg/kg, and 140 mg/kg, respectively. Lower concentrations of benzene (0.06 mg/kg), toluene

(0.16 mg/kg), ethylbenzene (0.025 mg/kg), and total xylenes (0.51 mg/kg) (BTEX) were also detected, although no halogenated VOCs were reported above laboratory detection limits. PCBs, OCPs, and ACMs were not detected, and all CAM metals that were detected above laboratory reporting limits were within background levels for soil in Southern California. A summary of this data can be found in Geocon's report, which is presently on file at the DEH for this site.

1.1.2 *Previous Excavation Activities*

Based on the findings of the subsurface ESA, Geocon excavated some debris and associated soil in late 2004. The excavation reportedly extended to approximately 4 feet bgs. However, Geocon did not complete the excavation of the debris, resulting in the need to perform the additional excavation activities described herein.

The material excavated by Geocon was stockpiled nearby, covered by Visqueen, or containerized in 55-gallon drums. The excavation was then backfilled with clean imported select soil.

1.2 *GEOLOGY AND HYDROGEOLOGY*

The Site is situated in the Peninsular Ranges province of Southern California (Norris and Webb, 1990). The province encompasses an area that extends 125 miles from the Transverse Ranges and the Los Angeles Basin south to the Mexican Border and beyond another 775 miles to the southern tip of Baja California. The province generally consists of rugged mountains underlain by Mesozoic igneous and metamorphic rocks to the east and a dissected coastal plain underlain by Cenozoic sediments to the west. The province varies in width from approximately 30 to 100 miles, and is traversed by a group of sub-parallel fault zones trending roughly northwest.

The Site appears to be underlain by Mesozoic granitic rocks (California Divisions of Mines and Geology, 1962.) This formation consists of Woodson Mountain Granodiorite that is light in color.

There are no California Department of Water Resources (CDWR) wells located on the Site or its adjacent properties (CDWR, 2003). However, there are municipal water supply wells owned by the Riverview Water District located approximately 375 feet north (down gradient) of the shallow debris pit area across Woodside Avenue. Based on discussions with District personnel, there is also a private water supply well on the

Lakeside Middle School property located approximately 300 feet to the southeast (up gradient) of the shallow debris pit area.

Based on general knowledge of the local hydrogeology in the area, discussions with Middle School personnel, and review of the Geocon report, groundwater beneath the Site varies from approximately 22 to 30 feet bgs. During the monitoring of four wells completed in the south central portion of the Site, groundwater was encountered at approximately 22 to 26 feet bgs. Groundwater flow is to the north and appears to be influenced by the municipal wells across Woodside Avenue and the San Diego River located 300 yards to the north.

ERM reviewed records for nearby properties maintained by the State Water Resources Control Board's online Geotracker database to estimate groundwater depth and direction flow at the Site. A Texaco service station, approximately 0.55 miles east of the Site, located on the northwest corner of Woodside Avenue and Wintergardens Boulevard was the closest property identified with groundwater monitoring wells. Groundwater occurs at the Texaco site at a depth ranging from 25 to 32 feet bgs and flows approximately north at a groundwater gradient of 0.0146 feet/foot.

2.0 SCOPE OF WORK

The scope of ERM's work for mitigation during this project was to identify and excavate the clean fill soil placed in the debris excavation by Geocon; remove, profile and properly containerize various waste containers found in the debris area; perform confirmation sampling of the resulting excavation, backfill and compact the same; and help coordinate the transportation and disposal of non-hazardous shallow debris pit waste and over-excavation soil.

2.1 PRELIMINARY ACTIVITIES

The activities described below commenced prior to actual on-Site field activities.

2.1.1 *Permitting*

ERM evaluated permitting needs and determined that an excavation permit would not be necessary because the excavation was not expected to encounter groundwater or be advanced beyond the 20 feet bgs permitting threshold.

2.1.2 *Health and Safety Plan*

ERM prepared a Site-specific health and safety plan (HASP) for this project. The HASP defined potential physical and chemical hazards associated with field activities and described procedures and guidelines designed to facilitate the safe implementation of these activities.

2.2 SOIL EXCAVATION

ERM's soil excavation and disposal was initiated at the Site on 2 March 2005. An estimated 152 tons of clean and non-hazardous soil that was mixed with debris excavated from the pit was stockpiled, loaded on end-dump trucks, and transported off site to the Candelaria Environmental Company (Candelaria), an approved soil recycling facility located in Anza, California. Non-hazardous waste manifests are included in Appendix A.

The approximate location of the shallow debris pit is shown on Figure 2. Excavation proceeded until visual indicators of mixed debris and soil were removed and analytical testing of soil for TPH and VOCs supported adequate removal.

Soil was excavated using a suitable backhoe or excavator to a maximum depth of 7 feet bgs across the excavation bottom. Since Geocon had reportedly backfilled its excavation at this location with clean imported fill material, the initial soil that ERM excavated represented that same clean material. Thus, materials from the debris pit, the adjacent stockpile left over from Geocon's excavation, and the drums left over from Geocon's excavation, were segregated into three classification piles: 1) obviously, clean imported soil (based on visual observations and photo ionization detector [PID] readings) from Geocon's backfilling of its excavation, 2) soil mixed with debris (including soil excavated by ERM, and soil previously excavated by Geocon and stockpiled or containerized on Site), and 3) various glass, plastic, and metal containers (some of which contained liquids) and 5-gallon buckets filled with debris and soil.

ERM encountered the various containers in a thin zone at a depth of approximately 5 feet near the bottom of the shallow debris pit after excavating the clean imported soil that had been backfilled by Geocon. The various containers and associated soil removed by ERM, and other debris and soils placed in drums by Geocon, were consolidated into 11 Department of Transportation (DOT)-approved 55-gallon drums and prepared for off-site incineration to Clean Harbors Environmental Services, Inc. (Clean Harbors) facility in Aragonite, Utah.

Once the full extent of impacted soil in the shallow debris pit area was over-excavated, ERM collected confirmation soil samples from the base and sidewalls of the excavation. An on-Site mobile laboratory analyzed these soil samples for TPHd, TPHg, TPHm, and VOCs. The resulting analyses were used to confirm visual and PID evidence that the debris layer was completely removed from the debris pit area, and that no impacts from the debris resulted. ERM also documented the Site conditions with notes and photographs to provide evidence of complete debris removal. Site photographs are provided in Appendix B.

2.3 *STOCKPILING*

As referenced above, soil previously excavated from the shallow debris pit by Geocon was reportedly temporarily stockpiled adjacent to the excavation. ERM's observations confirmed that the excavation was

backfilled with approximately 5 feet of visually clean soil that was reportedly imported to the Site. ERM excavated this material and placed it into a "clean" soil stockpile adjacent to the excavation. ERM collected one sample of this material (DP-1-4) to verify that it was, in fact, clean and could later be used for backfill. A laboratory report for the soil sample is included in Appendix C.

Special care was taken when excavating clean fill to ensure that this soil was segregated from the potentially impacted soil and debris. The soil mixed with debris was stockpiled for eventual off-site disposal. In cases where soils were encountered in close proximity to soils mixed with debris, the soils were stockpiled as debris waste for non-hazardous disposal. Accordingly, the clean material remained on Site and was subsequently used during backfilling operations.

2.3.1 *Clean Import Material*

Because it was necessary to excavate additional debris and associated soil from the pit, the total volume of clean backfill soil available from Geocon's original backfill was less than the total volume needed to bring the void up to grade. As a result, clean select material was imported, stockpiled, and covered with Visqueen in a clean-soil staging area located adjacent to the excavation.

2.3.2 *Impacted Soil Stockpiling and Profiling*

Soil in contact with the debris layer and containers and assumed to be impacted, based on its visual appearance, depth, odor, PID screening levels and on-Site laboratory analytical results, was stockpiled in a designated staging area. ERM profiled this stockpiled soil by collecting three soil samples for on-Site analysis of VOCs by U.S. Environmental Protection Agency (EPA) Method 8260B. In addition, a single composite sample from the stockpile (DP-SP-1-021705) was analyzed in a fixed laboratory for CAM 17 metals. The VOC and metals sampling was consistent with the receiving facility's profiling requirements for non-hazardous soils.

2.4 *SOIL SAMPLING METHODOLOGY*

As referenced above, ERM excavated debris and soil at the former debris pit to a maximum depth of approximately 7 feet bgs using a backhoe and an excavator. Clean fill verification, profiling, and excavation confirmation grab soil samples were collected for analysis by an on-Site

mobile laboratory and an off-site fixed laboratory. The samples were collected from the stockpiles, excavation bottom and sidewalls and were then packed into 4-ounce glass jars with plastic screw caps to provide an airtight seal. Following the labeling of the sealed samples, they were transported to one of the on-Site mobile laboratories for immediate analysis or refrigerated prior to transport to an off-site fixed laboratory. Chain-of-custody forms, provided in Appendix C, were completed at the time of sampling and accompanied the samples to the laboratory.

2.5 *FIELD SCREENING*

The excavated soil was screened in the field with the PID to determine the presence of abnormal levels of organic vapors. The total organic vapor concentration was measured with a PID that had been calibrated to 100 parts per million isobutylene.

2.6 *ANALYTICAL METHODS*

All soil samples collected from the debris pit excavation were immediately delivered to the on-Site mobile laboratory.

All of the confirmation soil samples from the excavation were analyzed for TPH carbon chain using EPA Method 8015 modified, with selective analysis for VOCs (including BTEX and methyl tertiary-butylether [MTBE]) using EPA Method 8260B.

As referenced above, the one composite profile sample from the impacted soil stockpile was analyzed for CAM 17 metals using EPA Methods 6010 and 7471A.

2.7 *BACKFILLING AND COMPACTION*

On 3 March 2005, the confirmation soil samples obtained from the shallow debris pit indicated that impact to soil underlying and adjacent to the debris had not resulted (see Results, below). Visual indicators also suggested that all of the debris had been removed. The excavation was initially backfilled with imported clean fill material that was stockpiled adjacent to the excavation, supplemented with clean soil derived from the clean soil Geocon had used to backfill its excavation, and compacted in approximate 6-inch lifts using a sheep's foot roller attachment at the end of the excavator arm. The backhoe pushed clean backfill from the ground

surface into the excavation as the excavator spread even lifts across the bottom of the excavation. Any soil that was not impacted remained on Site for subsequent grading.

Shepardson Engineering Associates, Inc. (Shepardson) of Santee, California, provided observation and compaction testing. Field density tests at four locations within the excavation indicated compaction ranging from 93 to 94 percent of the American Society for Testing and Materials (ASTM) D-1557 maximum laboratory dry density. Copies of Shepardson's daily field monitoring reports and compaction test results are included as the Soil Compaction Report included as Appendix D.

2.8 *WASTE DISPOSAL*

ERM coordinated the disposal of debris and associated soils from the Site. The elements of this task included the profiling of the contents of the pit and the coordination of the subsequent transportation to an appropriate off-site facility for disposal. Candelaria of Anza, California, was selected as the receptor for the non-hazardous soils.

The excavated soil that was mixed with the debris was stockpiled and subsequently loaded onto trucks for transport to the off-site recycling facility.

TPH-impacted soil that required off-site disposal was transported under manifest by a licensed hazardous waste transporter to the Candelaria facility. A total of approximately 152 tons of suspect soil was removed from the Site and transported to this facility. Copies of Non-Hazardous Waste Manifests for these soil shipments are included in Appendix A, along with a Certificate of Soil Recycling issued by Candelaria for this soil.

The various containers and other debris excavated from the shallow debris pit were contained into DOT-approved 55-gallon drums and prepared for off-site disposal to the Clean Harbors facility in Aragonite, Utah. Waste manifests for this shipment are included in Appendix A.

3.0 SOIL SAMPLE RESULTS

Three types of samples were collected during the fieldwork: clean fill verification, excavation confirmation, and profiling. The results of chemical analysis of these soil and debris samples collected during the excavation are summarized on Tables 1 and 2. Locations of the samples are shown on Figure 2. Copies of the laboratory data sheets and chain-of-custody records for these soil samples are included in Appendix C.

3.1 CLEAN FILL VERIFICATION SAMPLES

A single sample of the Geocon clean fill stockpile, DP-1-4, was collected and analyzed for TPHg, TPHd and TPHm as described above in the on-Site laboratory. Concentrations above the reporting limits were not detected. The results of the analyses are provided in Appendix C.

3.2 EXCAVATION CONFIRMATION SAMPLES

There were seven excavation confirmation soil samples collected from the shallow debris pit. As indicated on Table 1, none of the confirmation soil samples collected during excavation contained any TPH or VOC concentrations above laboratory detection limits.

It is assumed that additional analytical data (including confirmation sampling data collected during Geocon's soil excavations) were generated at the Site beyond what Geocon provided in the Phase I/Phase II ESA. However, these data were not available for review and evaluation when this report was prepared.

3.3 WASTE PROFILE SAMPLES

Per the request of the receiving facilities, three samples (DP-1-4, DP-2-5 and DP-SP-1-021705) were obtained for various waste profile analyses. Sample DP-1-4 was analyzed in the on-Site mobile laboratory for VOCs by EPA Method 8260B. No detectable levels of VOCs were found in the sample.

Sample DP-SP-1-021705 was sent to an off-site fixed laboratory for CAM 17 metals analysis. With the exception of arsenic, no CAM 17 metals were

detected at concentrations that exceeded EPA Region IX PRG criteria in the profile soil sample collected from the waste soil (DP-SP-1-021705). An arsenic concentration of 4.25 mg/kg was detected, which exceeds the Cal-modified PRG. Six metals were not detected above their respective reporting limits: antimony, mercury, molybdenum, selenium, silver, and thallium. The detected concentrations of all metals in this soil, including arsenic, are typical of background levels in the Western U.S. (Dragun, 1998), except zinc.

The typical background range for zinc is between 10 and 300 mg/kg. Although the result of 347 mg/kg in sample DP-SP-1-021705 exceeds this range, it is still two orders of magnitude below the residential PRG of 23,000 mg/kg.

Although the concentration of arsenic (4.25 mg/kg) exceeds the Cal-modified PRG, the concentration is at the lower end of the typical background range of 0.010-40 mg/kg (Dragun, 1998). The metals analytical results met the parameters for recycling at the Candelaria facility.

A single sample (DP-2-5) was collected from the intermixed soil and debris within a five-gallon container retrieved at 5 feet bgs from the debris pit. The sample was analyzed in the on site laboratory for TPHg, TPHd, TPHm and VOCs. The analyses indicated the material contained elevated concentrations of VOC and TPHg constituents and was used to profile the materials for incineration at the Clean Harbors Utah facility. The sample contained an elevated concentration of TPHg (140,000 mg/kg), although TPHd and TPHm were not detected. This sample also contained detectable levels of BTEX, isopropylbenzene, n-propylbenzene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene.

4.0 *CONCLUSIONS AND RECOMMENDATIONS*

The results and ERM's conclusions based on the work conducted at the Site are summarized below.

- A thin (less than 2 feet thick) zone of debris containing various containers and inter-mixed soil materials was identified at a depth of 4 to 6 feet bgs and excavated.
- Groundwater was not encountered in the shallow debris pit excavation.
- The only sample collected from the debris pit to contain detectable levels of TPH and VOCs was a waste profile sample (DP-2-5) obtained from a container that possessed visual, PID, and odor indicators of impact, and contained elevated concentrations of TPHg and eight VOCs associated with TPHg.
- Based on visual and PID evidence and analysis of the seven final confirmation samples collected, the soil left in the excavation floor and sidewalls did not contain concentrations of TPH or VOCs above laboratory detection limits.
- All TPHg- and VOC-impacted soil associated with the shallow debris pit that met the Candelaria profiling parameters was excavated, stockpiled, loaded onto end-dump trucks, and transported to Candelaria in Anza, California, for soil recycling.
- All containers and other debris associated with the debris pit was segregated and containerized into DOT-approved 55-gallon drums and transported to Clean Harbors' facility in Aragonite, Utah, for incineration.
- The excavation was backfilled with clean fill and mechanically compacted by a sheep foot roller attached to the backhoe. Field density tests conducted at four locations within the excavation, in accordance with American Society for Testing and Materials (ASTM) D-1556-00 and/or ASTM 2922-96, indicated relative compaction ranging from 93 to 94 percent.

There appear to be no remaining environmental concerns that pose a risk to groundwater, human health, or the environment in the vicinity of the debris pit because associated soil and all of the waste containers have been removed from the Site. Accordingly, ERM does not recommend the performance of any additional characterization or mitigation measures associated with the shallow debris pit.

5.0 REFERENCES

California Department of Conservation, Division of Mines and Geology. 1962. *Geologic Map of California, San Diego-El Centro Sheet.*

CDWR. 2003. Water Data Library Homepage (online). Available: http://wdl.water.ca.gov/

Dragun, James. 1998. *The Soil Chemistry of Hazardous Materials*, 2nd edition, 1998, Table 3.1: Native Soil Concentrations of Various Elements, p. 229.

Norris, R.M. and Webb, R.W. 1990. *Geology of California* (2nd ed.). New York: John Wiley & Sons, Inc.

Figures

CAD File: F:\0026769\01\04\0026769010 4-03.dwg
Residential Development
Drawn By: H. Magaña
Date: 10/07/05
Project No. 0026769.01.04

Undeveloped

Woodside Avenue

Gate

Former Vacant Residences

Former Concrete Slab

Marilla Drive

Gate

Gravel Mound

DP-5-6N (TPHg: ND)
DP-6-5N (TPHg: ND)
DP-2-5 (TPHg: 140,000 mg/kg) (Debris Sample)
DP-7-3W (TPHg: ND)
DP-6-5E (TPHg: ND)
DP-4-6M (TPHg: ND)
DP-1-4 (TPHg: ND)
DP-3-6S (TPHg: ND)
DP-6-5S (TPHg: ND)

N

LEGEND

- Confirmation Soil Sample
- Debris Sample
- Clean Fill Profile Sample
- Approximate Location of Debris Pit
- Chain-Link Fence
- ND = Result Not Detected Above Laboratory Detection Limit
- DP = Debris Pit
- TPHg = Total Petroleum Hydrocarbons, as Gasoline

0 20' 40' 80'
SCALE IN FEET

ERM

Figure 2
Site Plan Map
11719-11749 Woodside Avenue
Lakeside, California
ERM 10/05

Tables

Table 1 ***Laboratory Results of Analysis of Soil and Debris Samples - Debris Pit***
TPH and Volatile Organic Compounds
11719-11749 Woodside Avenue, Lakeside

Sample Identification	Depth (feet)	Date Sampled	EPA Method 8015M (mg/kg)			EPA Method 8260B (µg/kg)							
			TPHg	TPHd	TPHm	Benzene	Toluene	Ethyl-benzene	Total Xylenes	IPB	n-PB	1,3,5-TMB	1,2,4-TMB
DP-1-4 *	4	3/2/2005	<10	<10	<25	<5	<5	<5	<15	<5	<5	<5	<5
DP-2-5 **	5	3/2/2005	140,000	<10	<25	200,000	55,000,000	5,500,000	47,000,000	26,000	24,000	26,000	63,000
DP-3-6S	6	3/2/2005	<10	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA
DP-4-6M	6	3/2/2005	<10	<10	<25	<5	<5	<5	<15	<5	<5	<5	<5
DP-5-6N	6	3/2/2005	<10	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA
DP-6-5E	5	3/2/2005	<10	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA
DP-6-5N	5	3/2/2005	<10	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA
DP-6-5S	5	3/2/2005	<10	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA
DP-7-3W	3	3/3/2005	<10	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

< = Result not present above the reporting limit

- = Not applicable

Total xylenes = m,p-,o-xylenes

* Sample of clean imported material used to backfill Geocon's original excavation

** Sample of debris from 5-gallon bucket removed from the Debris Pit

Abbreviations:

µg/kg = Micrograms per kilogram

EPA = United States Environmental Protection Agency

IPB = Isopropylbenzene

mg/kg = Milligrams per kilogram

n-PB = n-propylbenzene

NA = Not analyzed

1,2,4-TMB = 1,2,4-trimethylbenzene

1,3,5-TMB = 1,3,5-trimethylbenzene

TPHd = Total petroleum hydrocarbons as diesel

TPHg = Total petroleum hydrocarbons as gasoline

TPHm = Total petroleum hydrocarbons as motor oil

Table 2 ***Laboratory Results of Analysis of Soil Samples - Debris Pit***
CAM 17 Metals
11719-11749 Woodside Avenue, Lakeside

Sample ID	Sample Date	CAM 17 Metals (EPA Methods 6010B/7471A)																
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
PRG-R		*31*	*0.062 **	*5,400*	*150*	*37*	*210***	*900*	*3,100*	*150**	*23*	*390*	*1,600*	*390*	*390*	*5.2*	*78*	*23,000*
Background Ranges[1]		*0.6 - 10*	*0.10 - 40*	*100 - 3,500*	*0.1 - 40*	*0.01 - 7.0*	*5.0 - 3,000*	*1.0 - 40*	*2.0 - 100*	*2.0 - 200*	*0.01 - 4.15*	*0.2 - 5.0*	*5.0 - 1,000*	*0.1 - 2.0*	*0.1 - 5.0*	*0.1 - 12*	*20 - 500*	*10 - 300*
DP-SP-1-021705	2/17/2005	<0.750	4.25	149	0.317	0.520	23.7	19.7	35.3	38.9	<0.0835	<0.250	18.4	<0.750	<0.250	<0.750	69.1	347

Notes:
Results given in mg/kg
< = Result not present above the reporting limit
* = California-modified PRG
** = Total Chromium (1:6 ratio Cr VI:Cr III, non-standard method applied)

[1] Typical ranges of metals in soil, taken from the following reference: Dragun, James, The Soil Chemistry of Hazardous Materials, 2nd edition, 1998, Table 3.1: Native Soil Concentrations of Various Elements, p. 229.

Abbreviations:
DP = Debris pit
EPA = United States Environmental Protection Agency
mg/kg = Milligrams per kilogram
PRG-R = Preliminary Remediation Goals for Residential Soil, EPA Region IX PRG Table, Oct. 2004
SP = Stockpile



Debris pit bottom and side walls during over-excavation.

Photograph #1	**ERM**	*Woodside Lakeside, California*



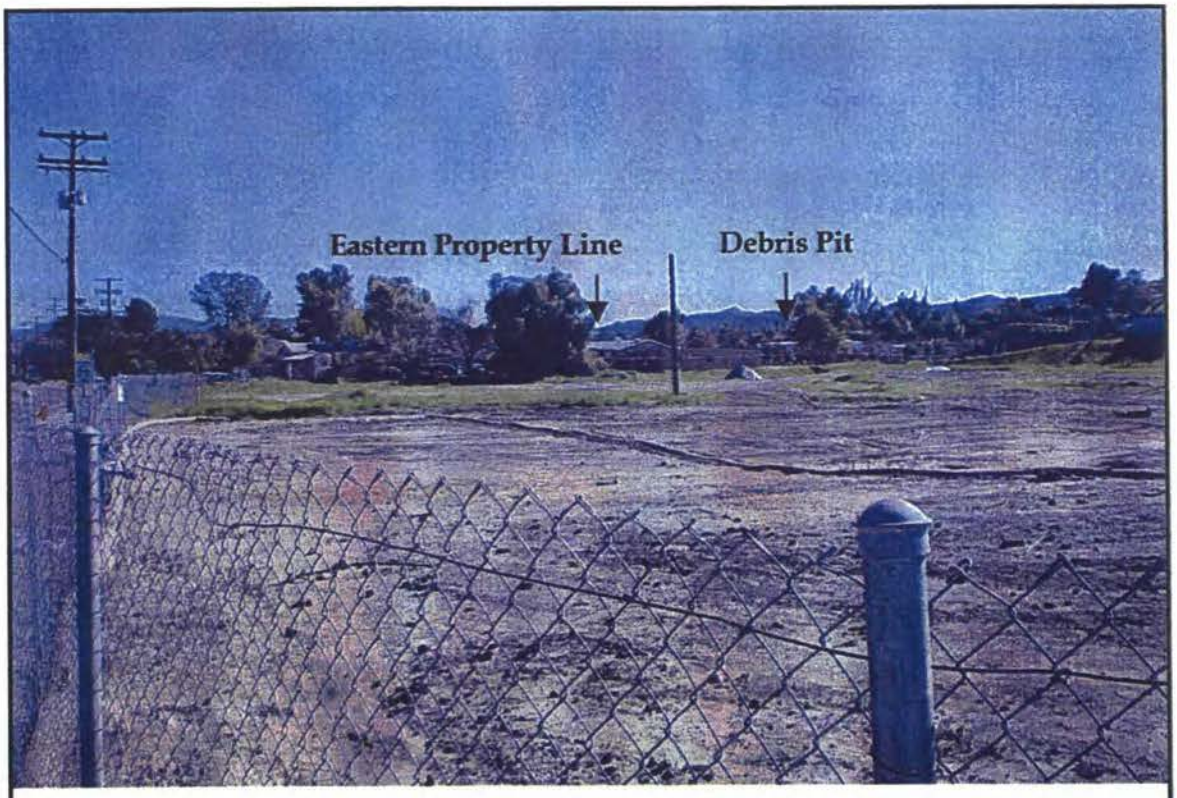
View of debris pit area, looking south.

Photograph #2	**ERM**	*Woodside Lakeside, California*



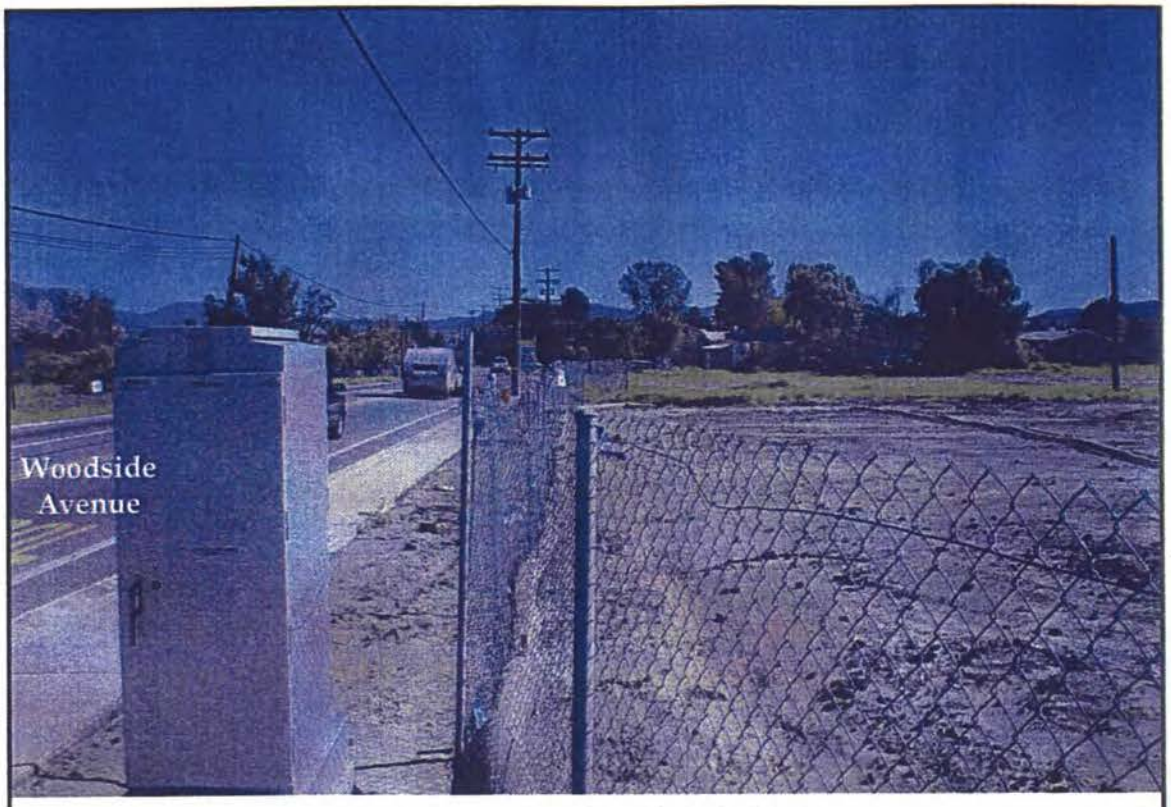
View of soil-filled drums, covered import stockpile and eastern edge of debris pit. Looking northeast toward the eastern property line.

Photograph #3	**ERM**	*Woodside Lakeside, California*



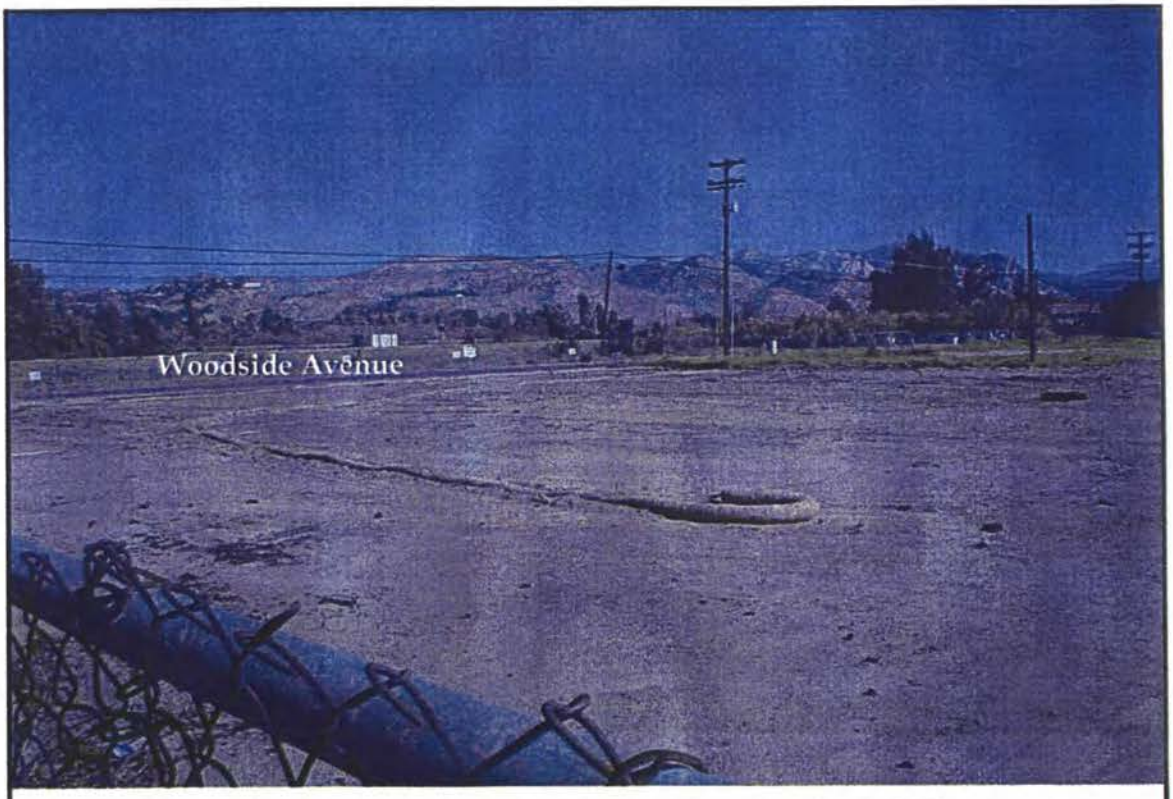
View of site including debris pit area, looking east.

Photograph #4	**ERM**	*Woodside Lakeside, California*



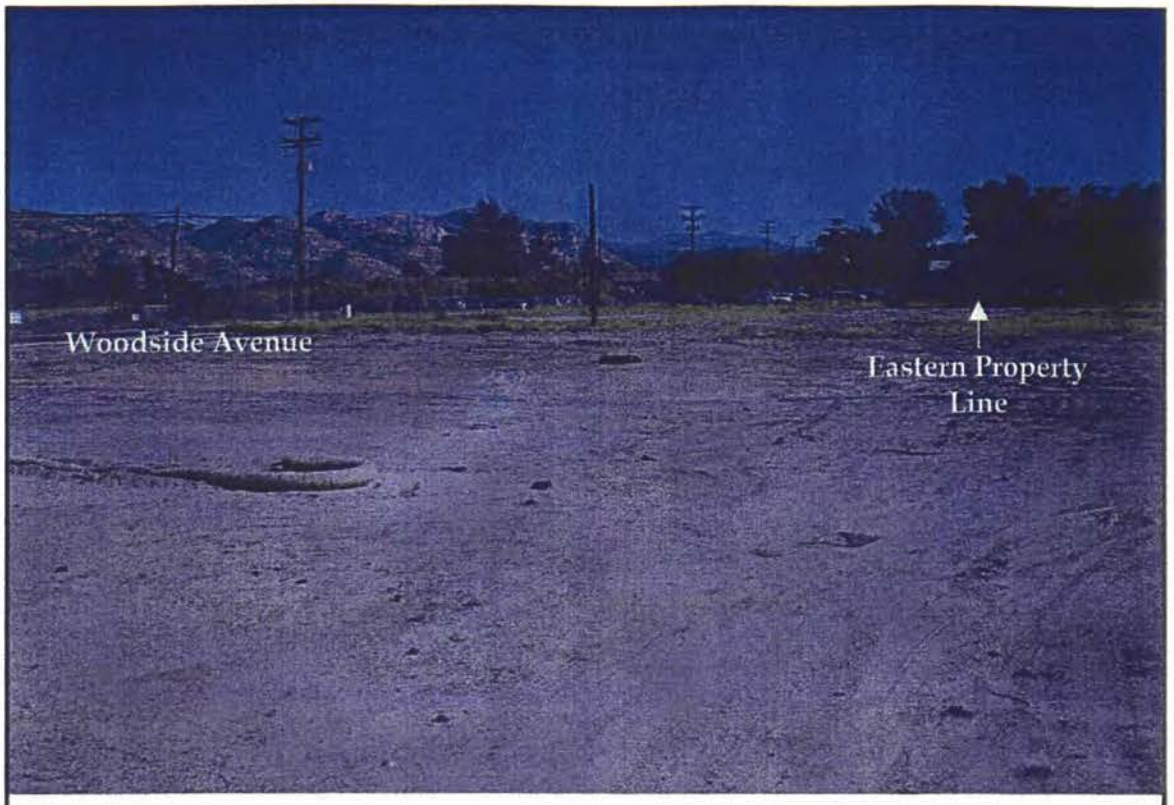
View of northern boundary of site looking east.

Photograph #5	**ERM**	*Woodside* *Lakeside, California*



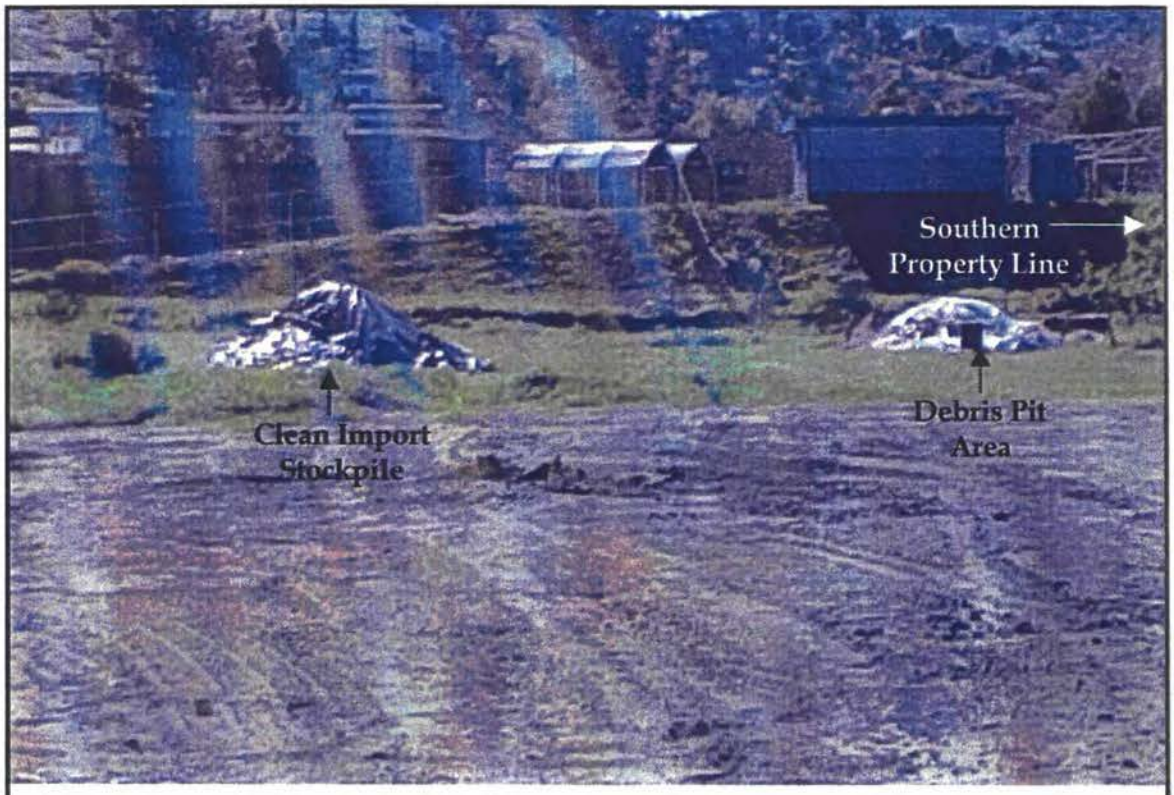
View of site from Marilla Drive looking northeast toward Woodside Avenue.

Photograph #6	**ERM**	*Woodside* *Lakeside, California*



View of site looking northeast.

Photograph #7	**ERM**	*Woodside Lakeside, California*



View of debris pit area looking south.

Photograph #8	**ERM**	*Woodside Lakeside, California*



Vertical extent of the debris pit excavation.

Photograph #9	**ERM**	*Woodside* *Lakeside, California*

Appendix A

Waste Manifests and Weighmaster Certificates

FROM : James & Jan Hunter FAX NO. : 18587939868 Apr. 07 2005 10:44AM P2

State of California—Environmental Protection Agency — Form Approved OMB No. 2050-0039 (Expires 9-30-94) — Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page DW938065

Department of Toxic Substances Control, Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD983614180 — Manifest Document No. — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Woodside Avenue Investors LLC & P D I T, 1670 La Force Road, Alpine, CA 91901 — SAME

4. Generator's Phone: 619) 300-0444

5. Transporter 1 Company Name: Clean Harbors Env Services Inc — 6. US EPA ID Number: MAD033222250

7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address: Clean Harbors Aragonite LLC, 11600 North Aptus Road, Aragonite, UT, 84029 — 10. US EPA ID Number: UTD988165277

X. Waste Manifest Document Number: 24163480

A. State Generator's ID

B. State Transporter's ID (Reserved)

C. Transporter's Phone: (781) 849-1800

D. State Transporter's ID (Reserved)

E. Transporter's Phone

F. State Facility's ID

G. Facility's Phone: (801) 323-9100

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 Number
RQ WASTE FLAMMABLE SOLIDS, ORGANIC, N.O.S., (SOIL CONTAMINATED W/PAINT), 4.1, UN1325, PG II (D001)	0112	DM	02400	P	State CA 611 EPA/Other D001
NON RCRA HAZARDOUS WASTE SOLID(EMPTY DRUM)	009	DM	00400	P	State CA 512 EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above: 11a ERG#133(5)(II) 11b.(S).

K. Handling Codes for Wastes Listed Above: a. C07 b. H4 c. d.

15. Special Handling Instructions and Additional Information: Wear Proper PPE when handling waste 11a: CH92165 11b: CH92310 — EMERGENCY PHONE #: (800) 483-3718

11a 55 8 55 1 X 85 (one Pack) DW938065

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	Signature	Month	Day	Year
BRADLEY J TACK		01	12	05
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name: Prisco Cortez Jr.	Signature	03	17	05
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Ashley Clarke	Ashley Clarke	03	17	05

DO NOT WRITE BELOW THIS LINE.

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

DTSC 8022A (1/89) EPA 8700-22

24163480

GENERATOR — TRANSPORTER — FACILITY

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

Land Disposal Restriction Notification Form

Page 1 of 1

Date: 03 / 16 / 2005

Clean Harbors Environmental Services, Inc.

MANIFEST INFORMATION

Generator: Woodside Avenue Investors LLC & P D I T
Address: 1670 La Force Road
Alpine, CA 91901
EPA ID#: CAC002588112

Manifest No: CA24163480
Sales Order No: DW938065
Manifest Document No:

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category:
11a	1	CH92165	NON-WASTEWATER	2 ; This is subject to LDR.

EPA Waste Codes: D001

EPA Waste Subcategory: High TOC Ignitable Liquids

Certification — Applies to Manifest Line Items

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268. — 11a 11b

Waste analysis data, where available, is attached

Signature: BRADLEY J TACK — Print Name: Bradley J. Tack

Title: PROJECT MANAGER — Date: 3/17/05

11b. Pg 1 CH92310 NWW 512, None

CANDELARIA ENVIRONMENTAL **Nº 39162**

BIOTREATMENT FACILITY

NON-HAZARDOUS MATERIALS HAULING MANIFEST

GENERATOR

NAME: WOODSIDE AVENUE INVESTORS, LLC
ADDRESS: 11719-11749 WOODSIDE AVE. PHONE NO. (619) 300-9444
CITY, STATE, ZIP LAKESIDE, CA. APN: 2005-12

WASTE DESCRIPTION ~~NON-HAZ SOIL~~ GENERATING PROCESS ~~TRAINING PIT~~
COMPONENTS OF WASTE (PPM) COMPONENTS OF WASTE (PPM)

- IMPACTED SOIL

PROPERTIES: SOLID YES
HANDLING INSTRUCTIONS: WEAR APPROPRIATE CLOTHING

GENERATOR CERTIFIES THAT THESE WASTES ARE RCRA NON-HAZARDOUS, AND CALIFORNIA NON-HAZARDOUS, BASED ON THE INFORMATION PROVIDED BY THE GENERATOR ON THE SOIL ACCEPTANCE APPLICATION AND THE ACCOMPANYING LABORATORY DATA

BY: [signature] BRADLEY J. TUCK DATE: 3/2/05
Signature / Print or Type Full Name

HAULER

COMPANY NAME L & D TRUCKING PHONE NO. (619) 306-1297
ADDRESS 9323 SAWTOOTH CT SERVICE ORDER NO.
CITY, STATE, ZIP SD Ca PICK UP DATE
TRUCK TYPE: DUMP ✓ ROLL OFF ___ OTHER ___

TRUCK LIC. # V9256943 TRUCK ID # 02
DRIVER NAME Anthony GONZALEZ TRAILER LIC # 4E72296
DRIVER SIGNATURE [signature] TRAILER ID # 01

PROCESSOR

TIME LEFT JOB 10 am LOAD # ONE
JOB SITE REPRESENTATIVE ___
Name Signature

Deliver to facility Location:
CANDELARIA ENVIRONMENTAL
4001 Candelaria Lane
Anza, CA 92539
(951) 763-0129

Main office:
Phone:(619) 696-6207
FAX (619) 696-5117
24hr Emergency (619) 696-6207

M-947

17333

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture

Delivered To & Weighed At:
Candelaria Environmental - Weighmaster
4001 Candelaria Lane
Anza, California 92539
909-763-0129

Weighed For: Woodside Ave LNV.
APN: 05-12 Manifest No. 39162
Carrier: L+D 02
Truck License No. V9256943
Truck Trailer No. 4E72296
Commodity: Non-Hazardous Soil/Material

WEIGHTS: [ ] GROSS: 37890
[ ] TARE: 17840
NET TONS: 20.05

Candelaria Environmental - Weighmaster
Gross & Tare
By: [signature] 3/2/05
Driver Date Weighed

CANDELARIA ENVIRONMENTAL Nº 38164

BIOTREATMENT FACILITY

NON-HAZARDOUS MATERIALS HAULING MANIFEST

GENERATOR

NAME: WOODSIDE AVENUE INVESTORS, LLC
ADDRESS: 11719-11749 WOODSIDE AVE. PHONE NO. (619) 300-9444
CITY, STATE, ZIP LAKESIDE, CA. APN: 2003-12

WASTE DESCRIPTION NON-HAZ SOIL GENERATING PROCESS LEAKING UST
COMPONENTS OF WASTE (PPM) COMPONENTS OF WASTE (PPM)

- IMPACTED SOIL

PROPERTIES: SOLID YES
HANDLING INSTRUCTIONS: WEAR APPROPRIATE CLOTHING

GENERATOR CERTIFIES THAT THESE WASTES ARE RCRA NON-HAZARDOUS, AND CALIFORNIA NON-HAZARDOUS, BASED ON THE INFORMATION PROVIDED BY THE GENERATOR ON THE SOIL ACCEPTANCE APPLICATION AND THE ACCOMPANYING LABORATORY DATA

BY: [signature] BRADLEY J. TUCK DATE: 3/3/05
Signature / Print or Type Full Name

HAULER

COMPANY NAME B&B TRUCKING PHONE NO: 951 345-8098
ADDRESS 18835 COUNTY ST. SERVICE ORDER NO.
CITY, STATE, ZIP BLOOMINGTON, CA. 92316 PICK UP DATE
TRUCK TYPE: DUMP ED ROLL OFF ___ OTHER ___

TRUCK LIC. # 9018228 TRUCK ID # 501
DRIVER NAME JOSE M. BASTIDAS TRAILER LIC. # 1VT6215
DRIVER SIGNATURE [signature] TRAILER ID # 89

PROCESSOR

TIME LEFT JOB ___ LOAD # THREE
JOB SITE REPRESENTATIVE ___
Name Signature

Deliver to facility Location:
CANDELARIA ENVIRONMENTAL
4001 Candelaria Lane
Anza, CA 92539
(951) 763-0129

Main office:
Phone:(619) 696-6207
FAX (619) 696-5117
24 hr Emergency. (619) 696-6207

17340

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurements Standards of the California Department of Food and Agriculture

Delivered To & Weighed At:
Candelaria Environmental - Weighmaster
4001 Candelaria Lane
Anza, California 92539
909-763-0129

Weighed For: Woodside
APN: 05-12 Manifest No. 39164
Carrier: B&B Trucking 501
Truck License No. 9018228
Truck Trailer No. 1VT6215
* Commodity: Non-Hazardous Soil/Material

WEIGHTS: [ ] GROSS: 41.20
[ ] TARE: 16.92
NET TONS: 24.10

Candelaria Environmental - Weighmaster
Gross & Tare
By: [signature] 03/23/05

CANDELARIA ENVIRONMENTAL Nº 39166
BIOTREATMENT FACILITY
NON-HAZARDOUS MATERIALS HAULING MANIFEST

NAME WOODSIDE AVENUE INVESTORS, LLC
ADDRESS: 11719-11749 WOODSIDE AVE. PHONE NO. (619) 300-9444
CITY, STATE, ZIP LAKESIDE, CA. APN: 2005-12

WASTE DESCRIPTION NON-HAZ SOIL GENERATING PROCESS LEAKING UST
COMPONENTS OF WASTE (PPM) COMPONENTS OF WASTE (PPM)
- IMPACTED SOIL

PROPERTIES: SOLID YES
HANDLING INSTRUCTIONS: WEAR APPROPRIATE CLOTHING

GENERATOR CERTIFIES THAT THESE WASTES ARE NON-HAZARDOUS, AND CALIFORNIA NON-HAZARDOUS, BASED ON THE INFORMATION PROVIDED BY THE GENERATOR ON THE SOIL ACCEPTANCE APPLICATION AND THE ACCOMPANYING LABORATORY DATA

BY: Bradley J. Tuck DATE: 3/3/05
Signature / Print or Type Full Name

COMPANY NAME Zepeda Trks PHONE NO. 619-820-4223
ADDRESS 9881 Vicentek ave SERVICE ORDER NO.
CITY, STATE, ZIP 92345 PICK UP DATE 3-3-05
TRUCK TYPE: DUMP ___ ROLL OFF ___ OTHER ___

TRUCK LIC. # 5P94877 TRUCK ID # 85
DRIVER NAME Jose Zepeda TRAILER LIC. # 4EL2763
DRIVER SIGNATURE Jose Zepeda TRAILER ID # 20

TIME LEFT JOB _____ LOAD # Sand
JOB SITE REPRESENTATIVE _____
Name Signature

Deliver to facility Location:
CANDELARIA ENVIRONMENTAL
4001 Candelaria Lane
Anza, CA 92539
(951) 763-0129

Main office:
Phone:(619) 698-6207
FAX (619) 698-5117
24 hr Emergency (619) 698-6207

17341

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurements Standards of the California Department of Food and Agriculture

Delivered To & Weighed At:

Candelaria Environmental - Weighmaster
4001 Candelaria Lane
Anza, California 92539
909-763-0129

Weighed For: Woodside
APN: 05-12 Manifest No. 39166
Carrier: Zepeda 85
Truck License No. 5P94877
Truck Trailer No. 4EL2763

Commodity: Non-Hazardous Soil/Material

WEIGHTS: [ ] GROSS: 40.60
[ ] TARE: 13.70
NET TONS: 26.90

Candelaria Environmental - Weighmaster
Gross & Tare
By: Lynne Humphrey
Deputy
3/3/05
Date Weighed

Appendix B

Site Photographs

Appendix C

Laboratory Analytical Reports and Chain-Of-Custody Forms

MOBILE GEO CHEMISTRY
H&P

March 8, 2005

Ms. Dina Kourda
ERM-West, Inc.
3 Hutton Centre
Suite 600
Santa Ana, CA 92707

SUBJECT: DATA REPORT – FENCED LOT – 11719 WOODSIDE AVENUE – LAKESIDE, CA - ERM WEST, INC. PROJECT #0026769.02

H&P Project # ER030205W1

Ms. Kourda:

Please find enclosed a data report for the above referenced location. Soil samples were analyzed on-site in DOHS certified mobile laboratory (CERT. #1317)

Project Summary

The following analyses were conducted:

- 9 soils for total recoverable hydrocarbons (TPH) by DHS LUFT/8015M Method

The samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria.

H&P Mobile GeoChemistry appreciates the opportunity to provide analytical services to ERM-West, Inc. on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,

Blayne Hartman
Dr. Blayne Hartman

432 North Cedros Avenue, Solana Beach, California 92075 | 858 793.0401 — Fax 858 793.0404
148 South Vinewood Street, Escondido, California 92029 | 760 735.3208 — Fax 760 735.2469
2373 208th Street, Suite F-1, Torrance, California 90501 | 310 782.2929 — Fax 310 782.2798
www.HandPmg.com | 1-800-834-9888

MOBILE GEOCHEMISTRY
H&P

ERM-West, Inc.	H&P Project: ER030205-W1	
3 Hutton Centre, Suite 600	Project Number: 0026769.02; Vacant Lot	Reported:
Santa Ana CA, 92707	Project Manager: Ms. Dina Kourda	14-Mar-05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Rec
DP-1-4	W503003-07	Soil	02-Mar-05	02-Mar-05
DP-2-5	W503003-08	Soil	02-Mar-05	02-Mar-05
DP-6-5S	W503003-09	Soil	02-Mar-05	02-Mar-05
DP-6-5N	W503003-10	Soil	02-Mar-05	02-Mar-05
DP-6-5E	W503003-11	Soil	02-Mar-05	02-Mar-05
DP-3-6S	W503003-13	Soil	02-Mar-05	02-Mar-05
DP-4-6M	W503003-14	Soil	02-Mar-05	02-Mar-05
DP-5-6N	W503003-15	Soil	02-Mar-05	02-Mar-05
DP-7'-3W'	W503004-01	Soil	03-Mar-05	03-Mar-05

MOBILE GEOCHEMISTRY
H&P

ERM-West, Inc. 3 Hutton Centre, Suite 600 Santa Ana CA, 92707	H&P Project: ER030205-W1 Project Number: 0026769.02; Vacant Lot Project Manager: Ms. Dina Kourda	Reported: 14-Mar-05

Soil Analyses

H&P Mobile Geochemistry Lab W1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Analyzed	Method	Notes
DP-1-4 (W503003-07) Soil Sampled: 02-Mar-05 Received: 02-Mar-05								
Gasoline (C5-C11)	ND	10	mg/kg	1	WC50201	02-Mar-05	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	
DP-2-5 (W503003-08) Soil Sampled: 02-Mar-05 Received: 02-Mar-05								A-01
Gasoline (C5-C11)	140000	100	mg/kg	10	WC50201	02-Mar-05	DHS LUFT	
Diesel (C12-C24)	ND	10	"	1	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	
DP-6-5S (W503003-09) Soil Sampled: 02-Mar-05 Received: 02-Mar-05								
Gasoline (C5-C11)	ND	10	mg/kg	1	WC50201	02-Mar-05	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	
DP-6-5N (W503003-10) Soil Sampled: 02-Mar-05 Received: 02-Mar-05								A-01
Gasoline (C5-C11)	ND	10	mg/kg	1	WC50201	02-Mar-05	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	
DP-6-5E (W503003-11) Soil Sampled: 02-Mar-05 Received: 02-Mar-05								
Gasoline (C5-C11)	ND	10	mg/kg	1	WC50201	02-Mar-05	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	
[illegible]tor Oil (C25-C36)	ND	25	"	"	"	"	"	
[illegible]-3-6S (W503003-13) Soil Sampled: 02-Mar-05 Received: 02-Mar-05								
Gasoline (C5-C11)	ND	10	mg/kg	1	WC50201	02-Mar-05	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	
DP-4-6M (W503003-14) Soil Sampled: 02-Mar-05 Received: 02-Mar-05								
Gasoline (C5-C11)	ND	10	mg/kg	1	WC50201	02-Mar-05	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	
DP-5-6N (W503003-15) Soil Sampled: 02-Mar-05 Received: 02-Mar-05								
Gasoline (C5-C11)	ND	10	mg/kg	1	WC50201	02-Mar-05	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

ERM-West, Inc. 3 Hutton Centre, Suite 600 Santa Ana CA, 92707	H&P Project: ER030205-W1 Project Number: 0026769.02; Vacant Lot Project Manager: Ms. Dina Kourda	Reported: 14-Mar-05

Soil Analyses

H&P Mobile Geochemistry Lab W1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Analyzed	Method	Notes
DP-7'-3W' (W503004-01) Soil Sampled: 03-Mar-05 Received: 03-Mar-05								
Gasoline (C5-C11)	ND	10	mg/kg	1	WC50301	03-Mar-05	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

ERM-West, Inc.	H&P Project: ER030205-W1	
3 Hutton Centre, Suite 600	Project Number: 0026769.02; Vacant Lot	Reported:
Santa Ana CA, 92707	Project Manager: Ms. Dina Kourda	14-Mar-05

Soil Analyses - Quality Control

H&P Mobile Geochemistry Lab W1

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch WC50201 - Freon Extraction										
Blank (WC50201-BLK1)				Prepared & Analyzed: 02-Mar-05						
Gasoline (C5-C11)	ND	10	mg/kg							
Diesel (C12-C24)	ND	10	"							
Motor Oil (C25-C36)	ND	25	"							
Matrix Spike (WC50201-MS1)	Source: W503003-02			Prepared & Analyzed: 02-Mar-05						
Gasoline (C5-C11)	160	10	mg/kg	200		80.0	75-124			
Diesel (C12-C24)	490	10	"	500		98.0	80-116			
Matrix Spike Dup (WC50201-MSD1)	Source: W503003-02			Prepared & Analyzed: 02-Mar-05						
Gasoline (C5-C11)	160	10	mg/kg	200		80.0	75-124	0.00	30	
Diesel (C12-C24)	460	10	"	500		92.0	80-116	6.32	30	
Batch WC50301 - Freon Extraction										
Blank (WC50301-BLK1)				Prepared & Analyzed: 03-Mar-05						
Gasoline (C5-C11)	ND	10	mg/kg							
Diesel (C12-C24)	ND	10	"							
Motor Oil (C25-C36)	ND	25	"							
Matrix Spike (WC50301-MS1)	Source: W503004-01			Prepared & Analyzed: 03-Mar-05						
Gasoline (C5-C11)	160	10	mg/kg	200	ND	80.0	75-124			
Diesel (C12-C24)	550	10	"	500	ND	110	80-116			
Matrix Spike Dup (WC50301-MSD1)	Source: W503004-01			Prepared & Analyzed: 03-Mar-05						
Gasoline (C5-C11)	150	10	mg/kg	200	ND	75.0	75-124	6.45	30	
Diesel (C12-C24)	520	10	"	500	ND	104	80-116	5.61	30	

MOBILE GEOCHEMISTRY
H&P

ERM-West, Inc.	H&P Project: ER030205-W1	
3 Hutton Centre, Suite 600	Project Number: 0026769.02; Vacant Lot	Reported:
Santa Ana CA, 92707	Project Manager: Ms. Dina Kourda	14-Mar-05

Notes and Definitions

A-01	Non target analytes present in sample.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

HP LABS

148 S. Vinewood St., Escondido, CA [illegible] ph 760.735.3208 • fax 760.735.2469
☒ 432 N. Cedros Ave., Solana Beach, [illegible]75 • ph 858.793.0401 • fax 858.793.0404
☐ 2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

Date: 3-2-05
HPL Project #: ER 030205 WI
Outside Lab:

Client: ERM West Inc
Address: 1777 Botelho # 260
Walnut Creek
Phone: _____ Fax: _____

Collector: Dina
Client Project #: 0026769.01.02
Location: Lake Side
Turn around time: _____

Page: 2 of 2
Project Manager: D. Kourda

Global ID: _____ EDF: Yes / No

Report to Santa ana office

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	Oxygenates	VOC's	VOC's and Oxygenates	Methane	Fixed Gases	Total # of containers
DP-5-6N			1525	3/2	Soil	JAR	X	X										

Relinquished by: (Signature) _____ (company) ERM
Relinquished by: (Signature) _____ (company)
Relinquished by: (Signature) _____ (company)

Received by: (Signature) Jamie Villarreal (company) HLP
Received by: (Signature) _____ (company)
Received by: (Signature) _____ (company)

Date: 3-2-05 Time: _____
Date: _____ Time: _____
Date: _____ Time: _____

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

Chain of Custody Record

HP LABS

☐ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☒ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☐ 2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

Date: 3-2-05
HPL Project #: ER 030205 WI
Outside Lab:

Client: ERM-West, Inc
Address: 1777 Botelho Dr #260
Walnut Creek CA 94596
Phone: 714-430-1476 Fax: 760-436-2940

Collector: Dina
Client Project #: 0026769.01.02
Location: Fenced Lot; Lakeside
Turn around time: _____

Page: 1 of 2
Project Manager: Dina Kourda

Global ID: _____ EDF: Yes / (No)

Report to 3 Hutton Centre #600
Santa Ana, CA
92707

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

	Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	Oxygenates	VOC's	VOC's and Oxygenates	Methane	Fixed Gases	Total # of containers
1	D1			1230	3/2	Soil	JAR	X	X										1
2	D2			1235				X	X										
3	D3			1245				X	X										
4	D4			1250				X	X										
5	D5			1255				X	X										
6	D6-7-8			1300				X	X										
7	DP1-4			1200				X	X										
8	DP2-5			1215				X	X										
9	DP-6-5S			1520				X	X										
10	DP-6-5N			1510				X	X										
11	DP-6-5E			1505				X	X										
12	UP-1-17'			1535				X	X										
13	DP3-6S			1515				X	X										
14	DP-4-6M			1520				X	X										

Relinquished by: (Signature) _____ (company) ERM
Relinquished by: (Signature) _____ (company)
Relinquished by: (Signature) _____ (company)

Received by: (Signature) Jamie Villarreal (company) HLP
Received by: (Signature) _____ (company)
Received by: (Signature) _____ (company)

Date: 5/2/05 Time: _____
Date: _____ Time: _____
Date: _____ Time: _____

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY
H&P

17-Mar-2005

Ms. Dina Kourda
ERM-West, Inc.
3 Hutton Centre, Suite 600
Santa Ana, CA 92707
RE: ER030205-L6

Enclosed are the results of analyses for samples received by the laboratory on 02-Mar-05 . If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tamara Davis
Laboratory Director

H&P Mobile Geochemistry operates under CA Environmental Lab Accreditation Program Numbers 1317, 1561, 1667, 1745, 1746, 1839, 2088, 2278, 2530 and 2543.

432 North Cedros Avenue, Solana Beach, California 92075 | 858 793.0401 — Fax 858 793.0404
148 South Vinewood Street, Escondido, California 92029 | 760 735.3208 — Fax 760.735.2469
3825 Industry Avenue, Lakewood, California 90712 | 562 426.6991 — Fax 562 426.6995
www.HandPmg.com | 1-800-834-9888

MOBILE GEOCHEMISTRY
H&P

ERM-West, Inc.	Project: ER030205-L6	
3 Hutton Centre, Suite 600	Project Number: 0026769.01.02, 11719 Woodside Ave	Reported:
Santa Ana CA, 92707	Project Manager: Ms. Dina Kourda	17-Mar-05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DP-1-4'	6503002-01	Soil	02-Mar-05	02-Mar-05
DP-2-5'	6503002-02	Soil	02-Mar-05	02-Mar-05
DP-4-6M'	6503002-09	Soil	02-Mar-05	02-Mar-05

MOBILE GEOCHEMISTRY
H&P

ERM-West, Inc.	Project: ER030205-L6	
[redacted]utton Centre, Suite 600	Project Number: 0026769.01.02, 11719 Woodside Ave	Reported:
[redacted]a Ana CA, 92707	Project Manager: Ms. Dina Kourda	17-Mar-05

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DP-1-4' (6503002-01) Soil Sampled: 02-Mar-05 Received: 02-Mar-05									
Dichlorodifluoromethane	ND	5	ug/kg	0.5	6C50201	02-Mar-05	02-Mar-05	EPA 8260B	
Chloromethane	ND	5	"	"	"	"	"	"	
Vinyl chloride	ND	5	"	"	"	"	"	"	
Bromomethane	ND	5	"	"	"	"	"	"	
Chloroethane	ND	5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5	"	"	"	"	"	"	
Methylene chloride	ND	5	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Chloroform	ND	5	"	"	"	"	"	"	
Bromochloromethane	ND	5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5	"	"	"	"	"	"	
Carbon tetrachloride	ND	5	"	"	"	"	"	"	
[redacted]-Dichloroethane	ND	5	"	"	"	"	"	"	
[redacted]zene	ND	5	"	"	"	"	"	"	
[redacted]chloroethene	ND	5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5	"	"	"	"	"	"	
Bromodichloromethane	ND	5	"	"	"	"	"	"	
Dibromomethane	ND	5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5	"	"	"	"	"	"	
Toluene	ND	5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5	"	"	"	"	"	"	
Tetrachloroethene	ND	5	"	"	"	"	"	"	
Dibromochloromethane	ND	5	"	"	"	"	"	"	
Chlorobenzene	ND	5	"	"	"	"	"	"	
Ethylbenzene	ND	5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5	"	"	"	"	"	"	

MOBILE GEOCHEMISTRY
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ERM-West, Inc.	Project: ER030205-L6	
3 Hutton Centre, Suite 600	Project Number: 0026769.01.02, 11719 Woodside Ave	Reported:
Santa Ana CA, 92707	Project Manager: Ms. Dina Kourda	17-Mar-05

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DP-1-4' (6503002-01) Soil Sampled: 02-Mar-05 Received: 02-Mar-05									
Styrene	ND	5	ug/kg	0.5	6C50201	02-Mar-05	02-Mar-05	EPA 8260B	
Bromoform	ND	5	"	"	"	"	"	"	
Isopropylbenzene	ND	5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5	"	"	"	"	"	"	
n-Propylbenzene	ND	5	"	"	"	"	"	"	
Bromobenzene	ND	5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5	"	"	"	"	"	"	
2-Chlorotoluene	ND	5	"	"	"	"	"	"	
4-Chlorotoluene	ND	5	"	"	"	"	"	"	
tert-Butylbenzene	ND	5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5	"	"	"	"	"	"	
sec-Butylbenzene	ND	5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5	"	"	"	"	"	"	
n-Butylbenzene	ND	5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5	"	"	"	"	"	"	
Naphthalene	ND	5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.4 %*		*65-135*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86.8 %*		*52-149*		"	"	"	
Surrogate: Toluene-d8		*92.0 %*		*65-135*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*65-135*		"	"	"	

MOBILE GEOCHEMISTRY

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ERM-West, Inc.	Project: BR030205-L6	
3 Hutton Centre, Suite 600	Project Number: 0026769.01.02, 11719 Woodside Ave	Reported:
Santa Ana CA, 92707	Project Manager: Ms. Dina Kourda	17-Mar-05

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DP-2-5' (6503002-02) Soil Sampled: 02-Mar-05 Received: 02-Mar-05									
Dichlorodifluoromethane	ND	20000	ug/kg	2000	6C50201	02-Mar-05	02-Mar-05	EPA 8260B	
Chloromethane	ND	20000	"	"	"	"	"	"	
Vinyl chloride	ND	20000	"	"	"	"	"	"	
Bromomethane	ND	20000	"	"	"	"	"	"	
Chloroethane	ND	20000	"	"	"	"	"	"	
Trichlorofluoromethane	ND	20000	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20000	"	"	"	"	"	"	
Methylene chloride	ND	20000	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20000	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	20000	"	"	"	"	"	"	
1,1-Dichloroethane	ND	20000	"	"	"	"	"	"	
2,2-Dichloropropane	ND	20000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	20000	"	"	"	"	"	"	
Chloroform	ND	20000	"	"	"	"	"	"	
Bromochloromethane	ND	20000	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	20000	"	"	"	"	"	"	
1,1-Dichloropropene	ND	20000	"	"	"	"	"	"	
Carbon tetrachloride	ND	20000	"	"	"	"	"	"	
1,2-Dichloroethane	ND	20000	"	"	"	"	"	"	
Benzene	200000	20000	"	"	"	"	"	"	
Trichloroethene	ND	20000	"	"	"	"	"	"	
1,2-Dichloropropane	ND	20000	"	"	"	"	"	"	
Bromodichloromethane	ND	20000	"	"	"	"	"	"	
Dibromomethane	ND	20000	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	20000	"	"	"	"	"	"	
Toluene	55000000	800000	"	80000	"	"	02-Mar-05	"	
trans-1,3-Dichloropropene	ND	20000	"	2000	"	"	02-Mar-05	"	
1,1,2-Trichloroethane	ND	20000	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	20000	"	"	"	"	"	"	
1,3-Dichloropropane	ND	20000	"	"	"	"	"	"	
Tetrachloroethene	ND	20000	"	"	"	"	"	"	
Dibromochloromethane	ND	20000	"	"	"	"	"	"	
Chlorobenzene	ND	20000	"	"	"	"	"	"	
Ethylbenzene	5500000	800000	"	80000	"	"	02-Mar-05	"	
1,1,1,2-Tetrachloroethane	ND	20000	"	2000	"	"	02-Mar-05	"	
m,p-Xylene	35000000	1600000	"	80000	"	"	02-Mar-05	"	
o-Xylene	12000000	800000	"	"	"	"	"	"	

MOBILE GEOCHEMISTRY

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ERM-West, Inc.	Project: BR030205-L6	
3 Hutton Centre, Suite 600	Project Number: 0026769.01.02, 11719 Woodside Ave	Reported:
Santa Ana CA, 92707	Project Manager: Ms. Dina Kourda	17-Mar-05

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DP-2-5' (6503002-02) Soil Sampled: 02-Mar-05 Received: 02-Mar-05									
Styrene	ND	20000	ug/kg	2000	6C50201	02-Mar-05	02-Mar-05	EPA 8260B	
Bromoform	ND	20000	"	"	"	"	"	"	
Isopropylbenzene	26000	20000	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	20000	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	20000	"	"	"	"	"	"	
n-Propylbenzene	24000	20000	"	"	"	"	"	"	
Bromobenzene	ND	20000	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	26000	20000	"	"	"	"	"	"	
2-Chlorotoluene	ND	20000	"	"	"	"	"	"	
4-Chlorotoluene	ND	20000	"	"	"	"	"	"	
tert-Butylbenzene	ND	20000	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	63000	20000	"	"	"	"	"	"	
sec-Butylbenzene	ND	20000	"	"	"	"	"	"	
p-Isopropyltoluene	ND	20000	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	20000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	20000	"	"	"	"	"	"	
n-Butylbenzene	ND	20000	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	20000	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	20000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	20000	"	"	"	"	"	"	
Hexachlorobutadiene	ND	20000	"	"	"	"	"	"	
Naphthalene	ND	20000	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	20000	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96.8 %*		*65-135*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*		*52-149*		"	"	"	
Surrogate: Toluene-d8		*112 %*		*65-135*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.8 %*		*65-135*		"	"	"	

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ERM-West, Inc.	Project: ER030205-L6	
[redacted]tton Centre, Suite 600	Project Number: 0026769.01.02, 11719 Woodside Ave	Reported:
[redacted] Ana CA, 92707	Project Manager: Ms. Dina Kourda	17-Mar-05

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DP-4-6M' (6503002-09) Soil	**Sampled: 02-Mar-05**	**Received: 02-Mar-05**							
Dichlorodifluoromethane	ND	5	ug/kg	0.5	6C50201	02-Mar-05	02-Mar-05	EPA 8260B	
Chloromethane	ND	5	"	"	"	"	"	"	
Vinyl chloride	ND	5	"	"	"	"	"	"	
Bromomethane	ND	5	"	"	"	"	"	"	
Chloroethane	ND	5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5	"	"	"	"	"	"	
Methylene chloride	ND	5	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Chloroform	ND	5	"	"	"	"	"	"	
Bromochloromethane	ND	5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5	"	"	"	"	"	"	
Carbon tetrachloride	ND	5	"	"	"	"	"	"	
[redacted]Dichloroethane	ND	5	"	"	"	"	"	"	
[redacted]ene	ND	5	"	"	"	"	"	"	
[redacted]chloroethene	ND	5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5	"	"	"	"	"	"	
Bromodichloromethane	ND	5	"	"	"	"	"	"	
Dibromomethane	ND	5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5	"	"	"	"	"	"	
Toluene	ND	5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5	"	"	"	"	"	"	
Tetrachloroethene	ND	5	"	"	"	"	"	"	
Dibromochloromethane	ND	5	"	"	"	"	"	"	
Chlorobenzene	ND	5	"	"	"	"	"	"	
Ethylbenzene	ND	5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5	"	"	"	"	"	"	

MOBILE GEOCHEMISTRY

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ERM-West, Inc.	Project: ER030205-L6	
3 Hutton Centre, Suite 600	Project Number: 0026769.01.02, 11719 Woodside Ave	Reported:
Santa Ana CA, 92707	Project Manager: Ms. Dina Kourda	17-Mar-05

Volatile Organic Compounds by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DP-4-6M' (6503002-09) Soil	**Sampled: 02-Mar-05**	**Received: 02-Mar-05**							
Styrene	ND	5	ug/kg	0.5	6C50201	02-Mar-05	02-Mar-05	EPA 8260B	
Bromoform	ND	5	"	"	"	"	"	"	
Isopropylbenzene	ND	5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5	"	"	"	"	"	"	
n-Propylbenzene	ND	5	"	"	"	"	"	"	
Bromobenzene	ND	5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5	"	"	"	"	"	"	
2-Chlorotoluene	ND	5	"	"	"	"	"	"	
4-Chlorotoluene	ND	5	"	"	"	"	"	"	
tert-Butylbenzene	ND	5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5	"	"	"	"	"	"	
sec-Butylbenzene	ND	5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5	"	"	"	"	"	"	
n-Butylbenzene	ND	5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5	"	"	"	"	"	"	
Naphthalene	ND	5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.4 %*	*65-135*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.6 %*	*65-135*		"	"	"	"	

MOBILE GEOCHEMISTRY
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ERM-West, Inc.	Project: ER030205-L6	
3 Hutton Centre, Suite 600	Project Number: 0026769.01.02, 11719 Woodside Ave	Reported:
Santa Ana CA, 92707	Project Manager: Ms. Dina Kourda	17-Mar-05

Volatile Organic Compounds by EPA Method 8260B - Quality Control
H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6C50201 - EPA 5030										
Blank (6C50201-BLK1)				Prepared & Analyzed: 02-Mar-05						
Dichlorodifluoromethane	ND	5.0	ug/kg							
Chloromethane	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Bromomethane	ND	5.0	"							
Chloroethane	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
Methylene chloride	ND	5.0	"							
Methyl tert-butyl ether	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
Chloroform	ND	5.0	"							
Bromochloromethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
Benzene	ND	5.0	"							
Trichloroethene	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Dibromomethane	ND	5.0	"							
cis-1,3-Dichloropropene	ND	5.0	"							
Toluene	ND	5.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
1,3-Dichloropropane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
Chlorobenzene	ND	5.0	"							

MOBILE GEOCHEMISTRY
H&P

ERM-West, Inc.	Project: ER030205-L6	
3 Hutton Centre, Suite 600	Project Number: 0026769.01.02, 11719 Woodside Ave	Reported:
Santa Ana CA, 92707	Project Manager: Ms. Dina Kourda	17-Mar-05

Volatile Organic Compounds by EPA Method 8260B - Quality Control
H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6C50201 - EPA 5030										
Blank (6C50201-BLK1)				Prepared & Analyzed: 02-Mar-05						
Ethylbenzene	ND	5.0	ug/kg							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
m,p-Xylene	ND	10	"							
o-Xylene	ND	5.0	"							
Styrene	ND	5.0	"							
Bromoform	ND	5.0	"							
Isopropylbenzene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Bromobenzene	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
2-Chlorotoluene	ND	5.0	"							
4-Chlorotoluene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
p-Isopropyltoluene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
Naphthalene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
Surrogate: Dibromofluoromethane	*23.4*		"	*25.0*		*93.6*	*65-135*			
Surrogate: 1,2-Dichloroethane-d4	*24.4*		"	*25.0*		*97.6*	*52-149*			
Surrogate: Toluene-d8	*24.2*		"	*25.0*		*96.8*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*24.8*		"	*25.0*		*99.2*	*65-135*			

MOBILE GEOCHEMISTRY
H&P

ERM-West, Inc.	Project: ER030205-L6	
[redacted]Hutton Centre, Suite 600	Project Number: 0026769.01.02, 11719 Woodside Ave	Reported:
[redacted]a Ana CA, 92707	Project Manager: Ms. Dina Kourda	17-Mar-05

Volatile Organic Compounds by EPA Method 8260B - Quality Control
H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6C50201 - EPA 5030										
Matrix Spike (6C50201-MS1)	Source: 6503002-01			Prepared & Analyzed: 02-Mar-05						
1,1-Dichloroethene	31.8	5.0	ug/kg	25.0	ND	127	65-135			
Benzene	25.8	5.0	"	25.0	ND	103	65-135			
Trichloroethene	24.3	5.0	"	25.0	ND	97.2	65-135			
Toluene	25.9	5.0	"	25.0	ND	104	65-135			
Chlorobenzene	26.7	5.0	"	25.0	ND	107	65-135			
Surrogate: Dibromofluoromethane	*24.5*		"	*25.0*		*98.0*	*65-135*			
Surrogate: 1,2-Dichloroethane-d4	*24.1*		"	*25.0*		*96.4*	*52-149*			
Surrogate: Toluene-d8	*24.3*		"	*25.0*		*97.2*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*24.8*		"	*25.0*		*99.2*	*65-135*			
Matrix Spike Dup (6C50201-MSD1)	Source: 6503002-01			Prepared & Analyzed: 02-Mar-05						
1,1-Dichloroethene	33.2	5.0	ug/kg	25.0	ND	133	65-135	4.31	30	
Benzene	27.3	5.0	"	25.0	ND	109	65-135	5.65	30	
Trichloroethene	26.7	5.0	"	25.0	ND	107	65-135	9.41	30	
[redacted]oluene	28.4	5.0	"	25.0	ND	114	65-135	9.21	30	
[redacted]orobenzene	28.6	5.0	"	25.0	ND	114	65-135	6.87	30	
Surrogate: Dibromofluoromethane	*24.6*		"	*25.0*		*98.4*	*65-135*			
Surrogate: 1,2-Dichloroethane-d4	*24.6*		"	*25.0*		*98.4*	*52-149*			
Surrogate: Toluene-d8	*24.6*		"	*25.0*		*98.4*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*24.0*		"	*25.0*		*96.0*	*65-135*			

MOBILE GEOCHEMISTRY
H&P

ERM-West, Inc.	Project: ER030205-L6	
3 Hutton Centre, Suite 600	Project Number: 0026769.01.02, 11719 Woodside Ave	Reported:
Santa Ana CA, 92707	Project Manager: Ms. Dina Kourda	17-Mar-05

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

H&P LABS
148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

Date: 3-3-05
H&P Project #: ER030205.W1
Outside Lab:

Client: ERM-West
Address: 3 Hutton Centre Suite 600, Santa Ana, CA
Phone: 1-714-430 1476 Fax: 1-714-436-2940

Collector: Dina Kounda
Client Project #: 0026769.01.02
Location: Vacant Lot, 11719 Woodside Ave, Lakeside
Turn around time:

Page: 1 Of 1
Project Manager: D. Kounda

Global ID: EDF: Yes / No

Sample Receipt: Intact: Yes / No; Seal Intact: Yes / No / N/A; Cold: Yes / No; N/A (Received on Ice)

8260B

	Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	BTEX / Oxygenates	Oxygenates	VOC's	VOC's and Oxygenates	Methane	Fixed Gases						Total # of containers
1	DP-7-3W'			830	3/2	SOIL	JAR	X	X															
2	UP-2-18'	N		955				X	X															
3	UP-3-19'	S		955				X	X															
4	UP-7-18'	W		1000				X	X															
5	UP-5-18'	S		1005				X	X															
6	UP-4-18	N		1010				X	X															
7	UP-6-18'	E		1015				X	X															
8	UP-8-17	W		1140				X	X															
9	UP-9-19.5	N		1145				X	X															

Relinquished by: (Signature) (company) ERM
Relinquished by: (Signature) (company)
Relinquished by: (Signature) (company)

Received by: (Signature) Janice Villarreal (company)
Received by: (Signature) (company)
Received by: (Signature) (company)

Date: 3-3-05 Time:
Date: Time:
Date: Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

Chain of Custody Record

H&P
148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798 6503002

Date: 3-2-05
H&P Project #: ER030205-L6
Outside Lab:

Client: ERM-West
Address: 1777 Botelho Drive, Suite 260, Walnut Creek, CA
Phone: 714 430-1476 Fax: 714 436-2940

Collector: Dina Kounda
Client Project #: 0026769.01.02
Location: Vacant Lot, 11719 Woodside Ave, Lakeside
Turn around time: 24-Hr

Page: 1 Of 1
Project Manager: Dina Kounda

Global ID:
sent report to
3 Hutton Centre, Suite 600
Santa Ana, CA. 92707

EDF: Yes / No

Sample Receipt: Intact: Yes / No; Seal Intact: Yes / No / N/A; Cold: Yes / No; N/A (Received on Site)

8260B

	Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	BTEX / Oxygenates	Oxygenates	VOC's + MTBE	VOC's and Oxygenates	Methane	Fixed Gases						Total # of containers
01	DP-1-4'		4	1200	3/2	SOIL	402								X									1
02	DP-2-5'	Sample "Hot"	5	1215											X									1
03	D1		-	1234											X									1
04	D2		-	1235											X									1
05	D3		-	1245											X									1
06	D4		-	1250											X									1
07	D5		-	1255											X									1
08	D6-7-8		-	1300											X									1
09	DP-9-6m'		6	1520											X									1

Relinquished by: (Signature) (company) ERM
Relinquished by: (Signature) (company)
Relinquished by: (Signature) (company)

Received by: (Signature) (company) A&P
Received by: (Signature) (company)
Received by: (Signature) (company)

Date: 3-2-05 Time: 1730
Date: Time:
Date: Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

Calscience Environmental Laboratories, Inc.

February 22, 2005

Dina Kourda
ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Subject: **Calscience Work Order No.:** **05-02-1053**
Client Reference: **0026769.01.03/Woodside Ave. E.S.**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/18/2005 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Paul Mead
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 02/18/05
Work Order No: 05-02-1053
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: 0026769.01.03/Woodside Ave. E.S.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
[redacted]	[redacted]	[redacted]	Solid	[redacted]	[redacted]	[redacted]

Comment(s): -Mercury was analyzed on 2/18/2005 2:37:40 PM with batch 050218L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	4.25	0.75	1		Molybdenum	ND	0.250	1	
Barium	149	0.500	1		Nickel	18.4	0.2	1	
Beryllium	0.317	0.250	1		Selenium	ND	0.750	1	
Cadmium	0.520	0.500	1		Silver	ND	0.250	1	
Chromium (Total)	23.7	0.2	1		Thallium	ND	0.750	1	
Cobalt	19.7	0.2	1		Vanadium	69.1	0.2	1	
Copper	35.3	0.5	1		Zinc	347	1	1	
Lead	38.9	0.5	1						

Method Blank	[redacted]	[redacted]	N/A	Solid	02/18/05	02/18/05	050218L02

Parameter	Result	RL	DF	Qual
Mercury	ND	0.0835	1	

Method Blank	[redacted]	[redacted]	N/A	Solid	02/18/05	02/18/05	050218L07

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Molybdenum	ND	0.250	1	
Arsenic	ND	0.750	1		Nickel	ND	0.250	1	
Barium	ND	0.500	1		Selenium	ND	0.750	1	
Beryllium	ND	0.250	1		Silver	ND	0.250	1	
Cadmium	ND	0.500	1		Thallium	ND	0.750	1	
Chromium (Total)	ND	0.250	1		Vanadium	ND	0.250	1	
Cobalt	ND	0.250	1		Zinc	ND	1.00	1	
Copper	ND	0.500	1		Lead	ND	0.500	1	

RL - Reporting Limit, DF - Dilution Factor, Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 02/18/05
Work Order No: 05-02-1053
Preparation: EPA 3050B
Method: EPA 6010B

Project 0026769.01.03/Woodside Ave. E.S.

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
[illegible]	Solid	[illegible]	[illegible]	[illegible]	[illegible]

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	99	101	50-116	2	0-20	
Arsenic	113	115	75-125	1	0-20	
Barium	110	110	75-125	0	0-20	
Beryllium	111	113	75-125	2	0-20	
Cadmium	112	114	75-125	2	0-20	
Chromium (Total)	112	113	75-125	1	0-20	
Cobalt	112	114	75-125	2	0-20	
Copper	117	117	75-125	0	0-20	
Lead	112	113	75-125	1	0-20	
Molybdenum	110	112	75-125	1	0-20	
Nickel	111	112	75-125	1	0-20	
Selenium	109	109	75-125	0	0-20	
Silver	114	116	75-125	2	0-20	
Thallium	109	111	75-125	1	0-20	
Vanadium	108	108	75-125	0	0-20	
Zinc	125	88	75-125	18	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 02/18/05
Work Order No: 05-02-1053
Preparation: EPA 7471A Total
Method: EPA 7[illegible]

Project 0026769.01.03/Woodside Ave. E.S.

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
[illegible]	Solid	Mercury	02/18/05	02/18/05	[illegible]

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	104	106	76-136	1	0-16	

RPD - Relative Percent Difference , CL - Control Limit

7440 Lincoln Way, Garden Grove, CA 92841-1427 . TEL:(714) 895-5494 . FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST	Date Received:	N/A
3 Hutton Centre Dr., Suite 600	Work Order No:	05-02-1053
Santa Ana, CA 92707-8751	Preparation:	EPA 3050B
	Method:	EPA 6010B

Project: 0026769.01.03/Woodside Ave. E.S.

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
[redacted]	Solid	ICP 3300A	[redacted]	[redacted]	[redacted]

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Antimony	50.0	49.6	99	80-120	
Arsenic	50.0	50.6	101	80-120	
Barium	50.0	54.7	109	80-120	
Beryllium	50.0	51.2	102	80-120	
Cadmium	50.0	53.7	107	80-120	
Chromium (Total)	50.0	52.0	104	80-120	
Cobalt	50.0	54.6	109	80-120	
Copper	50.0	50.8	102	80-120	
Lead	50.0	53.3	107	80-120	
Molybdenum	50.0	52.2	104	80-120	
Nickel	50.0	53.5	107	80-120	
Selenium	50.0	49.3	99	80-120	
Silver	25.0	25.6	102	80-120	
Thallium	50.0	52.5	105	80-120	
Vanadium	50.0	51.7	103	80-120	
Zinc	50.0	54.0	108	80-120	

RPD - Relative Percent Difference, CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST	Date Received:	N/A
3 Hutton Centre Dr., Suite 600	Work Order No:	05-02-1053
Santa Ana, CA 92707-8751	Preparation:	EPA 7471A Total
	Method:	EPA 7471A

Project: 0026769.01.03/Woodside Ave. E.S.

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
[redacted]	Solid	Mercury	[redacted]	[redacted]	[redacted]

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Mercury	0.835	0.845	101	82-124	

RPD - Relative Percent Difference, CL - Control Limit

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

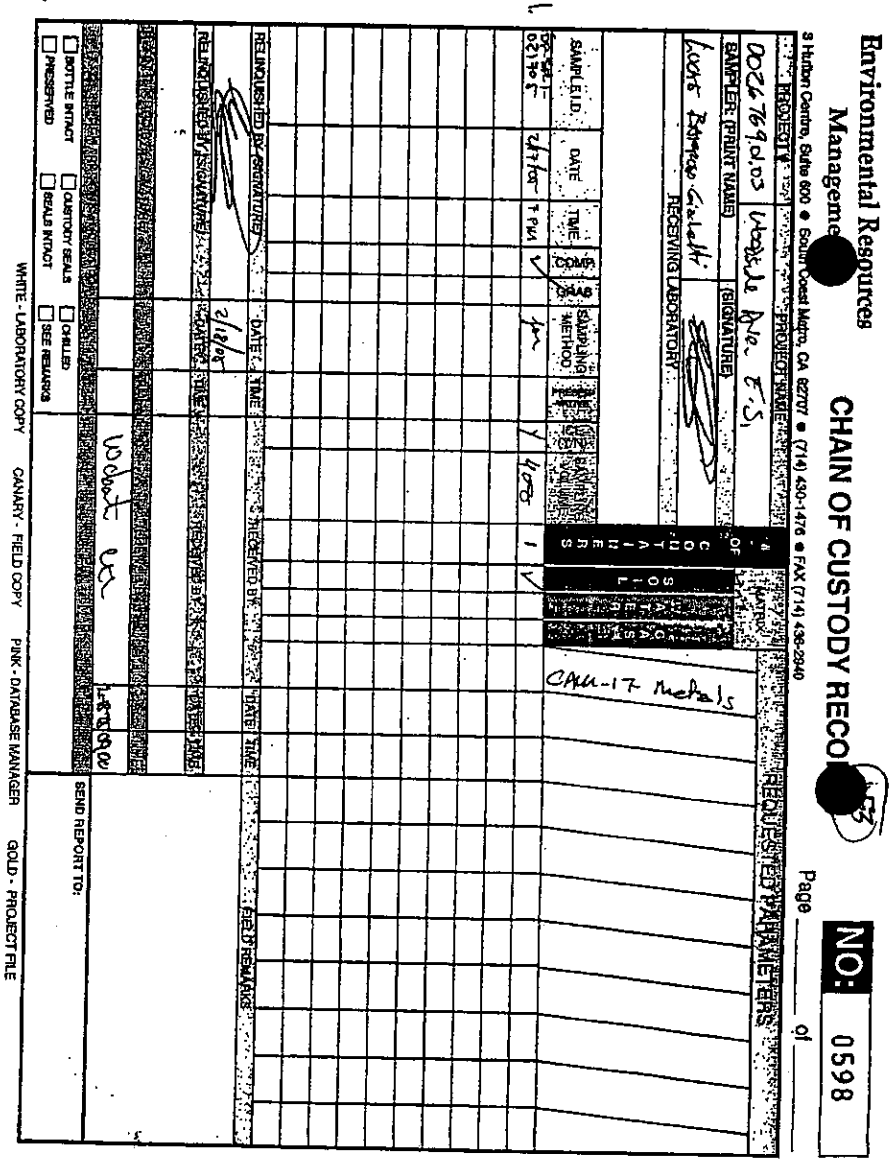
Glossary of Terms and Qualifiers

ACCREDITED IN ACCORDANCE WITH nelac

Work Order Number: 05-02-1053

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 05-02-0505

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Environmental Resources Management DATE: 2/18/05

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:
- ____ Chilled, cooler with temperature blank provided.
- ____ Chilled, cooler without temperature blank.
- ____ Chilled and placed in cooler with wet ice.
- ____ Ambient and placed in cooler with wet ice.
- ____ Ambient temperature.
- ____ °C Temperature blank.

LABORATORY (Other than Calscience Courier)
- 3.4 °C Temperature blank.
- ____ °C IR thermometer.
- ____ Ambient temperature.

Initial: TL

CUSTODY SEAL INTACT:

Sample(s): ____ Cooler: ____ No (Not Intact): ____ Not Applicable (N/A): ____

Initial: TL

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	/		
Sample container label(s) consistent with custody papers	/		
Sample container(s) intact and good condition	/		
Correct containers for analyses requested	/		
Proper preservation noted on sample label(s)	/		
VOA vial(s) free of headspace			/
Tedlar bag(s) free of condensation			/

Initial: TL

COMMENTS:

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 2/18/05

Page 1 of 1

LABORATORY CLIENT: ERM-West
ADDRESS: 3 Hutton Centre, Suite 600
CITY: Santa Ana STATE: CA ZIP: 92707
TEL: (714) 430-1476 FAX: (714) 436-2940 E-MAIL: DINA.KOUROA@ERM.COM
TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☑ 72 HR ☐ 5 DAYS ☐ 10 DAYS
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NUMBER: Woodside Ave. E.S.
PROJECT CONTACT: DINA KOUROA
SAMPLER(S) SIGNATURE: COELT LOG CODE: ☐☐☐☐
P.O. NO.:
LAB USE ONLY: 1053
COOLER RECEIPT TEMP: 3.4 °C TL

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or	BTEX / MTBE (8260B) or	OXYGENATES (8260B)	VOCs (8260B)	8335 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAL 22 METALS (6010B) / 747	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)	CAM 17 Metals				
	ERM-SP-1-021705		2/17/05	2 PM	Soil	1														/				

Relinquished by: (Signature)	Received by: (Signature)	Date: 2/18/05	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received for Laboratory by: (Signature) WCoat CCA	Date: 2-18-05	Time: 0900

DISTRIBUTION: White with final report, Green to file, Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

10/20/04 Revision

CSC Graphics 714-895-5702

Appendix D

Soil Compaction Report

SHEPARDSON
ENGINEERING ASSOCIATES INC.

Geotechnical Consultants
Engineers Geologists

10055 Prospect Ave., Suite 301
Santee, CA 92071-4398
619-448-8830 • FAX 619-449-5824
email@shepardson.com

March 9, 2005

S.E.A. 205118-01

Woodside Avenue Investors, LLC
c/o Bradley Land Group
457 Glencrest Drive
Solana Beach, CA 92705

ATTENTION: Mr. Brad Tuck

SUBJECT: Report of In-Place Density Tests
Debris Pit Backfill
Woodside Avenue
Lakeside, California

Dear Mr. Tuck:

This report presents the results of the relative compaction tests taken on the replacement backfill following removal of a debris pit. The backfill was tested by Shepardson Engineering Associates, Inc., from March 3, 2005 through March 4, 2005. The testing was performed at the request of Brad Tuck, project manager for Woodside Avenue Investors, LLC. The project is located in Lakeside on Woodside Avenue, east of Marilla Drive.

The debris pit was 24 feet long in an east to west direction, 17 feet short in a north to south direction, and approximately 8 feet deep. It is located 120 feet west of the east side property line and 78 feet north of the south property line.

Field density tests were performed in accordance with ASTM D1556-00 and/or ASTM 2922-96. Moisture content was determined for each density sample. The results and location of the tests are given on the attached figures. Representative samples of the tested material were obtained for laboratory tests. Laboratory tests, to determine maximum dry density and optimum moisture relationship, were performed in accordance with ASTM 1557-00, Method A or C. The results of the laboratory compaction tests are shown on the attached plates.

All tests were taken on a random basis. The tests, as reported herein, were performed in accordance with the above-stated procedural methods and within acceptable standards of care. No other warranty is expressed or implied.

Please do not hesitate to contact this office if you have any questions regarding this report.

Respectfully submitted,

SHEPARDSON ENGINEERING ASSOCIATES, INC.

William E. Ellis, RCE/GE
Senior Geotechnical Engineer/Vice President



cc: (4) Addressee

Enclosures

COMPACTION TEST SUMMARY

LAKESIDE DEBRIS PIT BACKFILL

Test No.	Date	Location	Elevation or Depth of test (ft.)	Moisture (%)	Dry Density (lbs/ cu.ft.)	Soil Type	Relative Compac-tion (%)
1	3/3/05	Debris pit	-8'	13.2	116.7	1	93
2	3/3/05	Debris pit	-6'	13.9	117.3	1	94
3	3/4/05	Debris pit	-3'	10.9	117.9	1	94
4	3/4/05	Debris pit	F.G.	12.1	117.3	1	94

F.G. = finished grade

SUMMARY OF COMPACTION CURVES
PROJECT:
MAXIMUM DENSITY AND OPTIMUM MOISTURE CONTENT
ASTM: D1557-00

LAKESIDE UNDERGROUND STORAGE TANK EXCAVATION

Soil Type	Description	Maximum Density (pcf)	Optimum Moisture (%)
1	Olive green clayey sand	125.2	11.2

RECEIVED
2006 MAR 28 AM 8 50
D.E.H.
MAILROOM

Environmental Resources Management

3 Hutton Centre
Suite 600
Santa Ana, CA 92707
(714) 430-1476
(714) 436-2940 (fax)

17 March 2006

Mr. Ewan Moffat
County of San Diego Department of Environmental Health
P.O. Box 129261
San Diego, CA 92112-9261

Subject: Results of Background Arsenic Testing
Supplemental Soil Investigation
11719-11749 Woodside Avenue Site
Lakeside, San Diego County, California

Dear Mr. Moffat:

In response to your e-mail of 14 March 2006, ERM has prepared this response to your requests for additional information regarding background arsenic in the soils at the Site. The requests included:

1. Check with the analytical laboratory to lower the method detection limits of the Title 22 analyses to below the 0.750 µg/kg limit provided in our supplemental to our report entitled *Shallow Debris Pit Mitigation Report, 11719 - 11749 Woodside Avenue, Lakeside, San Diego County, California*, dated October 2005;
2. In the event that the detection limits cannot be lowered or the result is above the Region IX Preliminary Remediation Goals (PRG), conduct further analysis of background soil samples to determine the background arsenic conditions at the Site.

The following describes the actions taken to provide this additional information. Please accept this information as a further supplement to our report entitled *Shallow Debris Pit Mitigation Report, 11719 - 11749 Woodside Avenue, Lakeside, San Diego County, California*, dated October 2005 (Report).

1. The detection limits of Title 22 soil and leachate analytical results for sample HA-1 shown in the Calscience Environmental Laboratories (Calscience) report dated 27 February 2006 were lowered to further evaluate these results. The details of the further analytical testing are included in Appendix A.
2. Based on a review of the analytical results at the lower detection limits, samples HA-2 and HA-3, which were kept on hold by Calscience were sampled for arsenic as described in the previously

mentioned supplemental report. These samples were collected from areas outside of the previously developed areas of the Site and are indicative of the native soils. The samples were collected as described in the Report dated 8 March 2006.

3. The results of all the arsenic testing conducted as supplemental information to the Report are presented in Table 1 below.

Table 1 – Arsenic Analytical Results

Sample No.	Date Tested	Test Method	Matrix	Result (µg/kg) (µg/L)	RL	MDL	Comments
HA-1	2/24/06	EPA 6010B	Soil	ND	0.750	NA	Confirmation sample, initial results
HA-1	2/27/06	EPA 6010B	Leachate	ND	0.150	NA	Confirmation sample, initial results
HA-1	2/24/06	EPA 6010B	Soil	0.174	0.750	0.130	Confirmation sample, lowered MDL
HA-2	3/15/06	EPA 6010B	Soil	1.52	0.750	0.130	Background soil sample, lowered MDL
HA-3	3/15/06	EPA 6010B	Soil	1.43	0.750	0.13	Background soil sample, lowered MDL

4. The additional sampling indicates that arsenic is present in the background soil samples HA-2 and HA-3 at concentrations of 1.52 and 1.43 µg/kg respectively. The confirmation sample HA-1 contained 0.174 µg/kg arsenic. These results indicate that while the confirmation and background samples contained arsenic levels above the PRG of 0.062 µg/kg, the levels are attributed to natural background conditions at the site and not the activities associated with the shallow debris pit.

These additional analytical tests were used to address the comments in your 14 March 2006 e-mail. Since this further testing supports the conclusions of our groundwater investigation and the supplemental soil investigation to the Report that potential sources of groundwater impact (from both the former UST and shallow debris pit) have been removed, ERM again requests that a letter of closure be issued with a recommendation for *No Further Action* for the Site.

Please contact Jay Dablow of ERM at (714) 430-1476 if you have any questions or comments regarding this supplemental report.

Sincerely,

John F. Dablow III, C.E.G.
Program Director

Colin P. Young, CIH
Principal-in-Charge

CCY/BLH/prm-26769
enclosures
cc: Mr. Jim Hunter (with enclosures)

Appendix A

Laboratory Analytical Reports

Calscience
Environmental
Laboratories, Inc.

Supplemental Report 1

March 14, 2006

Jay Dablow
ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Subject: **Calscience Work Order No.: 06-02-1357**
Client Reference: Woodside / 0026769.01.01

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/24/2006 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Virendra Patel
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 02/24/06
Work Order No: 06-02-1357
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Woodside / 0026769.01.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
HA-1	06-02-1357-3	02/24/06	Solid	02/24/06	02/24/06	060224L06

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 2/24/2006 3:08:07 PM with batch 060224L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	ND	0.0835	0.0130	1	
Arsenic	0.174	0.750	0.130	1	J	Molybdenum	0.141	0.250	0.0206	1	J
Barium	108	0.500	0.164	1		Nickel	5.17	0.25	0.0346	1	
Beryllium	0.248	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	0.117	0.500	0.00988	1	J	Silver	0.491	0.250	0.0209	1	
Chromium	15.3	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	11.9	0.2	0.00859	1		Vanadium	43.3	0.2	0.00934	1	
Copper	16.9	0.5	0.0469	1	B	Zinc	51.5	1.0	0.177	1	
Lead	19.2	0.5	0.0527	1							

Method Blank	099-04-007-3,782	N/A	Solid	02/24/06	02/24/06	060224L04

Parameter	Result	RL	MDL	DF	Qual
Mercury	ND	0.0835	0.0130	1	

Method Blank	097-01-002-7,340	N/A	Solid	02/24/06	02/24/06	060224L06

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Molybdenum	ND	0.250	0.0206	1	
Arsenic	ND	0.750	0.130	1		Nickel	ND	0.250	0.0346	1	
Barium	ND	0.500	0.164	1		Selenium	ND	0.750	0.175	1	
Beryllium	ND	0.250	0.00368	1		Silver	ND	0.250	0.0209	1	
Cadmium	ND	0.500	0.00988	1		Thallium	ND	0.750	0.0987	1	
Chromium	ND	0.250	0.0291	1		Vanadium	ND	0.250	0.00934	1	
Cobalt	ND	0.250	0.00859	1		Zinc	ND	1.00	0.177	1	
Copper	0.0595	0.500	0.0469	1	J	Lead	ND	0.500	0.0527	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST		Date Received:	02/24/06
3 Hutton Centre Dr., Suite 600		Work Order No:	06-02-1357
Santa Ana, CA 92707-8751		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project Woodside / 0026769.01.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-02-1330-1	Solid	ICP 3300	02/24/06	02/24/06	060224S06

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	23	27	50-115	16	0-20	3
Arsenic	90	90	75-125	1	0-20	
Barium	82	53	75-125	7	0-20	3
Beryllium	87	87	75-125	1	0-20	
Cadmium	90	87	75-125	3	0-20	
Chromium	91	89	75-125	1	0-20	
Cobalt	93	89	75-125	3	0-20	
Copper	69	90	75-125	11	0-20	3
Lead	89	85	75-125	4	0-20	
Molybdenum	79	78	75-125	2	0-20	
Nickel	88	86	75-125	2	0-20	
Selenium	82	82	75-125	0	0-20	
Silver	97	95	75-125	1	0-20	
Thallium	81	81	75-125	1	0-20	
Vanadium	85	87	75-125	1	0-20	
Zinc	79	82	75-125	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST		Date Received:	02/24/06
3 Hutton Centre Dr., Suite 600		Work Order No:	06-02-1357
Santa Ana, CA 92707-8751		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project Woodside / 0026769.01.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
HA-1	Solid	Mercury	02/24/06	02/24/06	060224S04

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	92	92	76-136	0	0-16	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

ERM-WEST		Date Received:	N/A
3 Hutton Centre Dr., Suite 600		Work Order No:	06-02-1357
Santa Ana, CA 92707-8751		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: Woodside / 0026769.01.01

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-002-7,340	Solid	ICP 3300	02/24/06	060224-I-06	060224L06

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Antimony	25.0	23.9	95	80-120	
Arsenic	25.0	23.9	96	80-120	
Barium	25.0	26.9	107	80-120	
Beryllium	25.0	24.1	97	80-120	
Cadmium	25.0	25.3	101	80-120	
Chromium	25.0	24.9	99	80-120	
Cobalt	25.0	26.9	107	80-120	
Copper	25.0	23.8	95	80-120	
Lead	25.0	25.8	103	80-120	
Molybdenum	25.0	25.2	101	80-120	
Nickel	25.0	27.3	109	80-120	
Selenium	25.0	22.3	89	80-120	
Silver	12.5	13.0	104	80-120	
Thallium	25.0	23.6	94	80-120	
Vanadium	25.0	24.8	99	80-120	
Zinc	25.0	26.1	104	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST		Date Received:	N/A
3 Hutton Centre Dr., Suite 600		Work Order No:	06-02-1357
Santa Ana, CA 92707-8751		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: Woodside / 0026769.01.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-3,782	Solid	Mercury	02/24/06	02/24/06	060224L04

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	98	98	82-124	0	0-16	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-02-1357

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Emma Dennison

From: Jay.Dablow@erm.com
Sent: Friday, February 24, 2006 3:10 PM
To: Emma Dennison
Cc: colin.young@erm.com
Subject: Woodside WO No. 06-02-1357

Emma - I am sending this clarification for the Chain of Custody submitted this morning by Neil Coy. Please run sample HA-1 for CAM 17 metals (6010) using a 24 hour TOT. Run an STLC for arsenic with a 24 hour TOT on the sample as well. Hold samples HA-2 and HA-3 for possible additional analysis.

Jay Dablow
ERM
3 Hutton Centre, Suite 600
Santa Ana, CA 92707
(714) 430-1476 ext. 2024
(714) 606-9110 (cell)
(714) 436-2940 (fax)
jay.dablow@erm.com
www.erm.com

This message contains information which may be confidential, proprietary, privileged, or otherwise protected by law from disclosure or use by a third party. If you have received this message in error, please contact us immediately at (925) 946-0455 and take the steps necessary to delete the message completely from your computer system. Thank you. Please visit ERM's web site: http://www.erm.com

Environmental Resources Management

3 Hutton Centre, Suite 600 ● South Coast Metro, CA 92707 ● (714) 430-1476 ● FAX (714) 436-2940

CHAIN OF CUSTODY RECORD

1357

NO: 1152

Page 1 of 1

PROJECT #	PROJECT NAME
0026769.01.01	Woodside

SAMPLER: (PRINT NAME)	(SIGNATURE)
Neil Coy	

RECEIVING LABORATORY: CAlScience

| SAMPLE I.D. | DATE | TIME | COMP | GRAB | SAMPLING METHOD | PRESERVATIVE | ICE (Y/N) | SAMPLING VOLUME | # OF CONTAINERS | MATRIX: SOIL | MATRIX: WATER | MATRIX: GAS | REQUESTED PARAMETERS: Cam 17 Metals Leachate | | |

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 02 - 1357

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Environmental Resources DATE: 2.24.06

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.
_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
4.1 °C IR thermometer.
_____ Ambient temperature.

Initial: ✓

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact): _____ Not Applicable (N/A): ✓

Initial: ✓

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: ✓

COMMENTS:

Calscience
Environmental
Laboratories, Inc.

Supplemental Report 2

March 16, 2006

Jay Dablow
ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Subject: **Calscience Work Order No.:** **06-02-1357**
Client Reference: **Woodside / 0026769.01.01**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/24/2006 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Virendra Patel
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 02/24/06
Work Order No: 06-02-1357
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Woodside / 0026769.01.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
HA-3	06-02-1357-1	02/24/06	Solid	03/14/06	03/15/06	060314L06

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 3/14/2006 6:53:44 PM with batch 060314L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0249	0.0835	0.0130	1	J
Arsenic	1.52	0.75	0.130	1	B	Molybdenum	0.0808	0.250	0.0206	1	J
Barium	112	0.500	0.164	1		Nickel	5.36	0.25	0.0346	1	B
Beryllium	0.274	0.250	0.00368	1		Selenium	0.781	0.750	0.175	1	
Cadmium	0.672	0.500	0.00988	1	B	Silver	0.707	0.250	0.0209	1	
Chromium	15.8	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	13.0	0.2	0.00859	1		Vanadium	49.7	0.2	0.00934	1	
Copper	17.5	0.5	0.0469	1		Zinc	47.5	1.0	0.177	1	
Lead	13.2	0.5	0.0527	1							

HA-2	06-02-1357-2	02/24/06	Solid	03/14/06	03/15/06	060314L06

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 3/14/2006 6:56:00 PM with batch 060314L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0225	0.0835	0.0130	1	J
Arsenic	1.43	0.75	0.130	1	B	Molybdenum	ND	0.250	0.0206	1	
Barium	122	0.500	0.164	1		Nickel	7.47	0.25	0.0346	1	B
Beryllium	0.434	0.250	0.00368	1		Selenium	2.01	0.75	0.175	1	
Cadmium	0.789	0.500	0.00988	1	B	Silver	0.995	0.250	0.0209	1	
Chromium	26.0	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	14.2	0.2	0.00859	1		Vanadium	75.2	0.2	0.00934	1	
Copper	11.8	0.5	0.0469	1		Zinc	34.6	1.0	0.177	1	
Lead	3.67	0.50	0.0527	1							

Method Blank	099-04-007-3,804	N/A	Solid	03/14/06	03/14/06	060314L03

Parameter	Result	RL	MDL	DF	Qual
Mercury	ND	0.0835	0.0130	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 02/24/06
Work Order No: 06-02-1357
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Woodside / 0026769.01.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	097-01-002-7,378	N/A	Solid	03/14/06	03/15/06	060314L06

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Molybdenum	ND	0.250	0.0206	1	
Arsenic	0.625	0.750	0.130	1	J	Nickel	0.0454	0.250	0.0346	1	J
Barium	ND	0.500	0.164	1		Selenium	ND	0.750	0.175	1	
Beryllium	ND	0.250	0.00368	1		Silver	ND	0.250	0.0209	1	
Cadmium	0.0467	0.500	0.00988	1	J	Thallium	0.184	0.750	0.0987	1	J
Chromium	ND	0.250	0.0291	1		Vanadium	ND	0.250	0.00934	1	
Cobalt	ND	0.250	0.00859	1		Zinc	ND	1.00	0.177	1	
Copper	ND	0.500	0.0469	1		Lead	ND	0.500	0.0527	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 02/24/06
Work Order No: 06-02-1357
Preparation: EPA 3050B
Method: EPA 6010B

Project Woodside / 0026769.01.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-03-0839-1	Solid	ICP 3300	03/14/06	03/15/06	060314S06

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	9	4	50-115	68	0-20	3,4
Arsenic	104	111	75-125	5	0-20	
Barium	4X	4X	75-125	4X	0-20	Q
Beryllium	99	99	75-125	0	0-20	
Cadmium	71	70	75-125	1	0-20	3
Chromium	114	115	75-125	0	0-20	
Cobalt	96	94	75-125	1	0-20	
Copper	48	43	75-125	1	0-20	3
Lead	92	93	75-125	1	0-20	
Molybdenum	80	79	75-125	2	0-20	
Nickel	100	89	75-125	3	0-20	
Selenium	91	93	75-125	1	0-20	
Silver	101	103	75-125	2	0-20	
Thallium	22	33	75-125	41	0-20	3,4
Vanadium	123	145	75-125	7	0-20	3
Zinc	4X	4X	75-125	4X	0-20	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 02/24/06
Work Order No: 06-02-1357
Preparation: EPA 7471A Total
Method: EPA 7471A

Project Woodside / 0026769.01.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-03-0839-1	Solid	Mercury	03/14/06	03/14/06	060314S03

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	98	98	76-136	0	0-16	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST		Date Received:	N/A
3 Hutton Centre Dr., Suite 600		Work Order No:	06-02-1357
Santa Ana, CA 92707-8751		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: Woodside / 0026769.01.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-7,378	Solid	ICP 3300	03/14/06	03/15/06	060314L06

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	95	97	80-120	2	0-20	
Arsenic	102	102	80-120	1	0-20	
Barium	103	104	80-120	0	0-20	
Beryllium	95	97	80-120	2	0-20	
Cadmium	100	100	80-120	0	0-20	
Chromium	101	102	80-120	1	0-20	
Cobalt	103	103	80-120	0	0-20	
Copper	92	94	80-120	2	0-20	
Lead	101	100	80-120	1	0-20	
Molybdenum	100	100	80-120	1	0-20	
Nickel	104	104	80-120	0	0-20	
Selenium	91	91	80-120	0	0-20	
Silver	98	98	80-120	0	0-20	
Thallium	99	99	80-120	0	0-20	
Vanadium	98	99	80-120	0	0-20	
Zinc	110	109	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST		Date Received:	N/A
3 Hutton Centre Dr., Suite 600		Work Order No:	06-02-1357
Santa Ana, CA 92707-8751		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: Woodside / 0026769.01.01

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-04-007-3,804	Solid	Mercury	03/14/06	060314-I-03.icp	060314L03

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Mercury	0.835	0.833	100	82-124	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-02-1357

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

From: Virendra Patel
To: "Jay.Dablow@erm.com";
CC: colin.young@erm.com;
Subject: RE: 3/8/06 Soil Investigation Report. - 06-02-1357
Date: Tuesday, March 14, 2006 4:54:09 PM
Attachments:

Jay,
Thanks for the e-mail. Final PDF will be sent once the data is available.
Virendra
-----Original Message-----
From: Jay.Dablow@erm.com [mailto:Jay.Dablow@erm.com]
Sent: Tuesday, March 14, 2006 4:47 PM
To: Virendra Patel
Cc: colin.young@erm.com
Subject: RE: 3/8/06 Soil Investigation Report.

Virendra - Per our discussion, run the two samples HA-2 and HA-3 for Title 22 metals at a detection limit of 0.13 mg/kg. Please expedite the results for completion on Friday.

Jay Dablow
ERM
3 Hutton Centre, Suite 600
Santa Ana, CA 92707
(714) 430-1476 ext. 2024
(714) 606-9110 (cell)
(714) 436-2940 (fax)
jay.dablow@erm.com
www.erm.com

Emma Dennison

From: Jay.Dablow@erm.com
Sent: Friday, February 24, 2006 3:10 PM
To: Emma Dennison
Cc: colin.young@erm.com
Subject: Woodside WO No. 06-02-1357

Emma - I am sending this clarification for the Chain of Custody submitted this morning by Neil Coy. Please run sample HA-1 for CAM 17 metals (6010) using a 24 hour TOT. Run an STLC for arsenic with a 24 hour TOT on the sample as well. Hold samples HA-2 and HA-3 for possible additional analysis.

Jay Dablow
ERM
3 Hutton Centre, Suite 600
Santa Ana, CA 92707
(714) 430-1476 ext. 2024
(714) 606-9110 (cell)
(714) 436-2940 (fax)
jay.dablow@erm.com
www.erm.com

This message contains information which may be confidential, proprietary, privileged, or otherwise protected by law from disclosure or use by a third party. If you have received this message in error, please contact us immediately at (925) 946-0455 and take the steps necessary to delete the message completely from your computer system. Thank you. Please visit ERM's web site: http://www.erm.com

Environmental Resources Management

CHAIN OF CUSTODY RECORD

NO: 1152

(1357)

3 Hutton Centre, Suite 600 ● South Coast Metro, CA 92707 ● (714) 430-1476 ● FAX (714) 436-2940

Page 1 of 1

PROJECT #	PROJECT NAME
0026769.01.01	Woodside

SAMPLER: (PRINT NAME)	(SIGNATURE)
Neil Coy	

RECEIVING LABORATORY: CalScience

| SAMPLE I.D. | DATE | TIME | COMP | GRAB | SAMPLING METHOD | PRESERVATIVE | ICE (Y/N) | SAMPLING VOLUME | # OF CONTAINERS | MATRIX: SOIL | MATRIX: WATER | MATRIX: GAS | REQUESTED PARAMETERS: CAM 17 Metals Leachate | | |

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 02 - 1357

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Environmental Resources DATE: 2.24.06

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.
_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
4.1 °C IR thermometer.
_____ Ambient temperature.

Initial: SF

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Applicable (N/A): ✓

Initial: SF

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: SF

COMMENTS:

Environmental
Resources
Management

3 Hutton Centre
Suite 600
Santa Ana, CA 92707
(714) 430-1476
(714) 436-2940 (fax)

RECEIVED
2006 MAR 10 AM 9 45
D. E. H.
MAILROOM

8 March 2006

Mr. Ewan Moffat
County of San Diego Department of Environmental Health
P.O. Box 129261
San Diego, CA 92112-9261

Subject: Results of Supplemental Soil Investigation
11719-11749 Woodside Avenue Site
Lakeside, San Diego County, California

Dear Mr. Moffat:

On behalf of the Woodside Avenue Investors, LLC and PDIT Investment, LLC (collectively, the "Client"), ERM-West, Inc., (ERM) has prepared this response to your 16 February 2006 e-mail request for additional information regarding arsenic in the soils at the Site. The requests included:

1. Provide a copy of the Geocon report entitled *Phase I/Phase II Environmental Site Assessment, 11719 – 11749 Woodside Avenue, Lakeside California, July 20, 2004,* so that an assessment of the background arsenic concentrations can be made;
2. Evaluate the background arsenic levels as compared to the results of the composited sample DP-SP-021705 from the excavated soil stockpile;
3. Determine whether available arsenic background data justifies confirmation testing of the native soils beneath the shallow debris pit excavation; and
4. Provide a cross section of the shallow debris pit excavation showing the location of samples and results.

The following describes the actions taken to provide the additional information requested. Please accept this information as a supplement to our report entitled *Shallow Debris Pit Mitigation Report, 11719 – 11749 Woodside Avenue, Lakeside, San Diego County, California,* dated October 2005.

1. The Geocon report referenced above is included in its entirety in Appendix A.

2. The results of soil samples collected and analyzed for arsenic by Geocon in the referenced report of previous investigations at the Site were below the detection limit (non-detect) of 1 milligram per kilogram (mg/kg). The results of waste/debris profiling samples collected by ERM of soil excavated from within the shallow debris pit during a previous phase of work indicated the presence of arsenic in the waste container at a concentration of 4.25 mg/kg.

3. Based on our review of the referenced Geocon report and the results of sample DP-SP-021705, and in light of your comments regarding arsenic, we collected a confirmation sample from the native soils beneath the backfilled shallow debris pit excavation and background samples from undisturbed areas of the site. These samples were collected on 24 February 2006.

   Methodology - ERM advanced three hand auger borings to a maximum depth of 9 feet below ground surface (bgs) to collect soil samples and evaluate the arsenic concentrations in the Site soils. Hand auger boring HA-1 was drilled through the clean backfill of the debris pit excavation until the boring encountered the "decomposed granite" native soils. The boring was continued 1 foot into the native soil to a depth of approximately 9 feet bgs. Borings HA-2 and HA-3 were advanced to a maximum depth of 2.5 feet bgs in undisturbed areas to evaluate the native soils at the Site. These borings also encountered reddish brown clay with coarse sand. The locations of the borings are shown on the Site Plan Figure 1. The soils encountered in the borings are described on the Field Notes form included in Appendix B.

   The samples were collected from the bottom of each hand auger boring and were then packed into 4-ounce glass jars with plastic screw caps to provide an airtight seal. Following the labeling, the sealed samples were placed on ice and transported to Calscience Environmental Laboratories, Inc. (Calscience) for analysis. Chain-of-custody forms, provided in Appendix C, were completed at the time of sampling and accompanied the samples to the laboratory.

Analytical Testing - Three soil samples were sent to Calscience under chain of custody. The background samples from HA-2 and HA-3 were placed on hold pending the results of the analyses of the soil sample from boring HA-1. The soil sample collected from hand auger boring HA-1 was analyzed for total metals using United States Environmental Protection Agency (USEPA) Method 6010B/7471A. The sample was prepared in accordance with USEPA Methods 3050B/7471A total. The laboratory analytical report, the quality assurance/quality control (QA/QC) review of laboratory data, and ERM's internal QA/QC evaluation are provided in Appendix C.

Analytical Results – The results of the sample obtained from boring HA-1 indicate arsenic was not detectable above the detection limit for the analytical method employed. Based on the finding, the background samples were not analyzed.

4. Cross sections depicting the location of the soil boring HA-1 and other data collected in relation to the former debris pit are shown in Figures 2 and 3.

The results of the supplemental soil sampling were used to address the comments in your e-mail. Since the results of our groundwater investigation and the results of this supplemental soil investigation indicate that potential sources of groundwater impact (from both the former UST and shallow debris pit) have been removed, ERM requests that a letter of closure be issued with a recommendation for *No Further Action* for the Site.

Please contact Jay Dablow of ERM at (714) 430-1476 if you have any questions or comments regarding this supplemental report.

Sincerely,

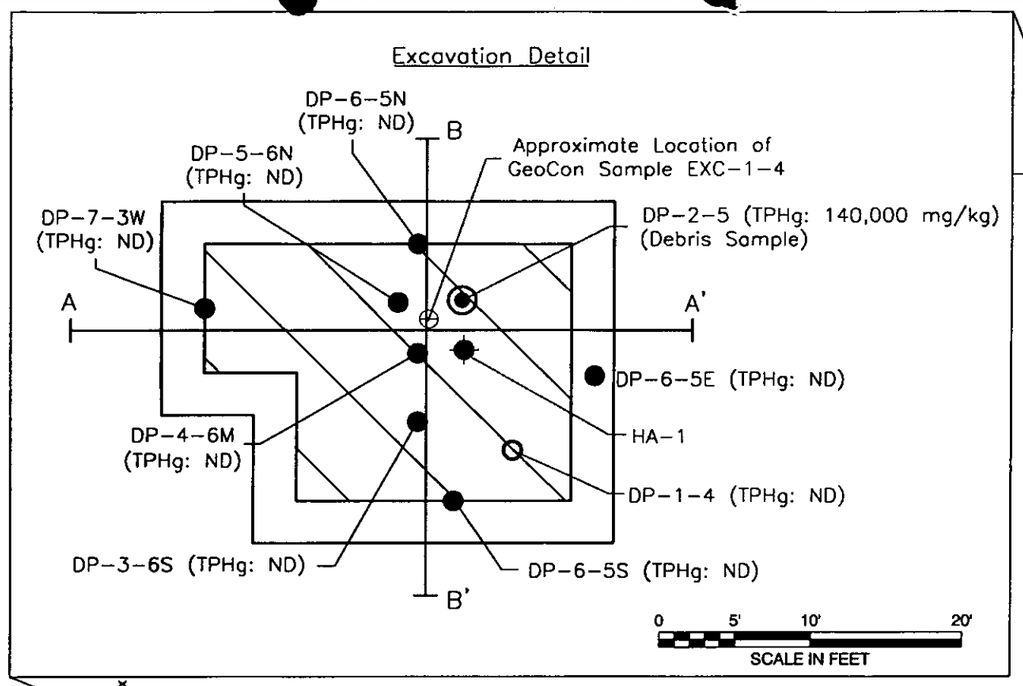
John F. Dablow III, C.E.G.
Program Director

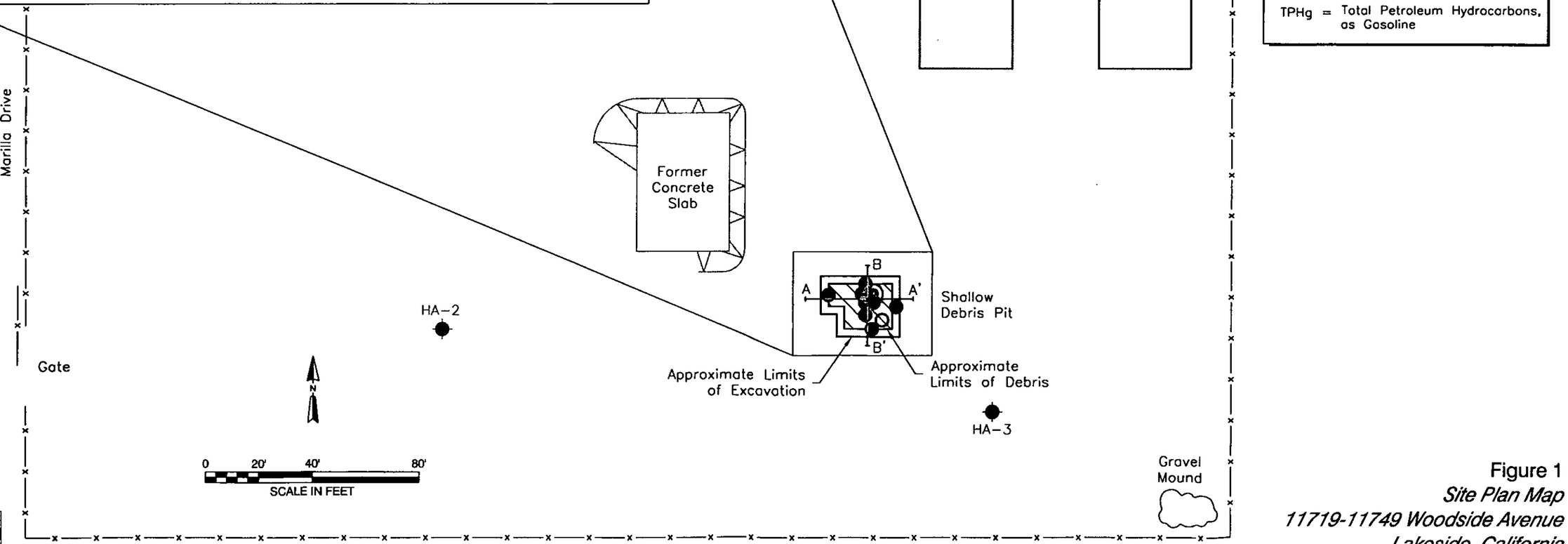
Colin P. Young
Principal-in-Charge

CCY/BLH/prm-26769
enclosures
cc: Mr. Jim Hunter (with enclosures)

Figures

Project No. 0026769.02.04
Date: 03/06/06
Drawn By: C. Tallada
CAD File: F:\0026769\01\04\0026769104-06.dwg





ERM

Figure 1
Site Plan Map
11719-11749 Woodside Avenue
Lakeside, California
ERM 03/06

Project No. 0026769.02.04
Date: 03/06/06
Drawn By: C. Tallada
CAD File: F:\0026769\01\04\00267690104-07.dwg

West
A

East
A'

HA-1

0

5

10

Clean, Compacted Backfill

DP-7-3W

Approximate Location of GeoCon Sample EXC-1-4

DP-4-6M

DP-5-6N

DP-2-5

DP-6-5E

Native Soil

Native Soil

Sample at 9.0 to 9.5 feet bgs

Limits of ERM Excavation

0 5 10 15 20

LEGEND

- Confirmation Soil Sample
- Debris Sample
- GeoCon Soil Sample

NOTES
1) Horizontal and verticals in feet.
2) Sample locations projected onto cross section.
3) bgs = Below Ground Surface

0 0.8 1.6 3.2
SCALE IN FEET

ERM

Figure 2
Cross Section A-A'
11719-11749 Woodside Avenue
Lakeside, California
ERM 03/06

CAD File: F:\0026769\01\04\0026769010408.dwg
Drawn By: C. Tallada
Date: 03/06/06
Project No. 0026769.02.04

North
B

South
B'

HA-1

0

5

10

Clean, Compacted Backfill

Approximate Location of GeoCon Sample EXC-1-4

DP-2-5

DP-6-5S

DP-3-6S

DP-4-6M

DP-5-6N

DP-6-5N

Native Soil

Native Soil

Sample at 9.0 to 9.5 feet bgs

Limits of ERM Excavation

5 10 15 20

LEGEND

- Confirmation Soil Sample
- Debris Sample
- GeoCon Soil Sample

NOTES
1) Horizontal and verticals in feet.
2) Sample locations projected onto cross section.
3) bgs = Below Ground Surface

0 0.8 1.6 3.2
SCALE IN FEET

ERM

Figure 3
Cross Section B-B'
11719-11749 Woodside Avenue
Lakeside, California
ERM 03/06

Appendix A

Geocon ESA Report

GEOCON

CONSULTANTS, INC

ENVIRONMENTAL
GEOTECHNICAL
MATERIALS

PHASE I/PHASE II ENVIRONMENTAL SITE ASSESSMENT

11719-11749 WOODSIDE AVENUE LAKESIDE, CALIFORNIA

PREPARED FOR

SILVER SAGE PROPERTIES, LLC
ALPINE, CALIFORNIA

PREPARED BY

GEOCON CONSULTANTS, INC.
6970 FLANDERS DRIVE
SAN DIEGO, CALIFORNIA 92121
Tel. (858) 558-6100 Fax. (858) 558-8437
Email: environmental@geoconinc.com

GEOCON PROJECT NO. 09429-06-01

JULY 20, 2004

GEOCON
CONSULTANTS, INC.
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS

Project No. 09429-06-01
July 20, 2004

PICKED UP

Mr. Jim Hunter
Silver Sage Properties, LLC
1670 La Force Road
Alpine, California 91909

Subject: 11719-11749 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA
PHASE I/PHASE II ENVIRONMENTAL SITE ASSESSMENT

Dear Mr. Hunter:

In accordance with your request, Geocon Consultants, Inc. has conducted a Phase I/Phase II Environmental Site Assessment (ESA) at the above referenced site.

The accompanying report presents the details of the ESA and summarizes the findings relative to the potential presence of hazardous materials and wastes and/or hazardous conditions at the Site at levels likely to warrant mitigation action pursuant to current regulatory guidelines. Please call if you have any questions.

Sincerely,

GEOCON CONSULTANTS, INC.

Linda L. Kung, P.E.
Senior Project Engineer

Ronald J. Kofron, CEG
Manager, Environmental Services

LLK:RJK:sc

(4) Addressee

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EXECUTIVE SUMMARY

In accordance with the request of Mr. Jim Hunter of Silver Sage Properties, LLC (the Client), Geocon Consultants, Inc. has conducted a Phase I/Phase II Environmental Site Assessment (ESA) of an approximately 4-acre property identified by San Diego County Assessor's Parcel Number (APN) 382-220-01, in the community of Lakeside, San Diego County, California (the Site). The ESA included a site reconnaissance; review of the physical setting, site historical information, regulatory databases, and agency files; interviews with the current property owner; asbestos-containing material (ACM) and lead-containing paint (LCP) surveys; and a Phase II subsurface investigation performed on three separate occasions from March to June, 2004.

The Client intends to develop the Site for commercial and/or residential purposes. The objective of the Phase I/Phase II ESA was to assess the potential presence of recognized environmental conditions at the Site. The Client requested that Geocon conduct investigations to assess the potential presence of contaminants onsite, and assess the limits of contamination, estimate the volume of contaminated material, and estimate the cost of remediation. The Phase II investigation activities were related to detecting the presence of underground storage tanks (USTs), including surveys with electrical/metallic signal locators, backhoe excavations, and soil borings using a truck-mounted hollow-stem auger drill rig. The Phase II investigation also included a lead/asbestos survey to assess the presence of lead/asbestos content in the onsite structures. Geocon has estimated that the approximate cost to excavate, transport, and dispose of the known quantities of recognized environmental conditions to be $38,000, as discussed below.

The Site was formerly used for residential, ranch, agricultural, commercial, and light-industrial purposes and is currently developed with vacant one-story buildings including a sheet-steel commercial building, a main residence, and four single-family residences. Vacant and naturally vegetated areas, enclosed with chain-link fencing, occupy the southeastern, southwestern, and western portions of the Site. No significant odors, pools of liquid, drums, significantly stained soil, distressed vegetation, aboveground storage tanks (ASTs), pits, or ponds were observed at the visibly accessible portions of the Site.

The main residence (11721 Woodside Avenue) is a wood-frame structure with a detached garage. The building has reportedly been used for residential, office, and storage purposes from the time of its construction (prior to the late 1920s) to around 2002, when the property was vacated. ACMs were detected in the floor tile, flooring mastic, plastic roof cement spots, and tar paper underneath the flooring within the main residence. LCP was detected on the exterior wood, the interior plywood walls and storage cabinet, a ceramic counter top and wall tile, a metal sewer pipe, and on a ceramic countertop and ceramic wall tile in the main residence and/or in the associated garage. Areas of minor petroleum hydrocarbon staining were observed on the concrete floor of the garage interior, along the eastern exterior garage wall and on an approximately 55 foot by 60 foot concrete pad (formerly the location of a Quonset hut) located approximately 25 feet southeast of the main residence.

Four wood-frame residential structures (11743, 11745, 11747, and 11749 Woodside Avenue) built between 1928 and 1953 occupy the northeastern portion of the Site. Paint containers were observed in the residences. Splattered paint was observed outside of the eastern wall of the residence at 11745 Woodside Avenue, on the southeastern portion of the driveway, and within the residence at 11747 Woodside Avenue. Homogeneous areas of ACMs were detected in the four residences including the

floor tile, flooring mastic, window putty, and plastic roof cement spots. Three asbestos cement water heater flue pipes are located within the residences at 11743, 11745, and 11747 Woodside Avenue. LCP was detected on the exterior wood of all four residences and on the interior side of the back laundry room door within the residence at 11743 Woodside Avenue.

The commercial building (11719 Woodside Avenue) occupying the northwestern portion of the Site consists of office space, restroom facilities, and two warehouses constructed between 1953 and 1966. Geocon observed a floor drain and a sanitary clean-out within an asphalt-bermed area outside of the southeastern corner of the commercial building. A metal pipe appears to originate from beneath the floor surface in the building interior and extends through the roof at the southeastern corner of the building. No ACMs or LCP were identified in the commercial building.

According to Mr. Gaetano DeLisa, the property owner, the commercial building has been occupied by tenants including a street oiling company, Y Tire Sales, Inc., Lakeside Motors, Professional Garage Doors, and a barbeque assembly and sales company from the mid-1950s to approximately 2002. The street oiling company reportedly operated a gasoline dispenser at the southwestern portion of the Site. The dispenser was presumably connected to the UST encountered during Geocon's limited subsurface investigation. The asphalt-bermed area was reportedly used by Lakeside Motors for washing cars. Water run-off in this area was reportedly collected in a clarifier connected to the sanitary sewer system beneath the floor drain.

Trucking companies and construction companies previously occupied temporary buildings and parking areas at the Site in the 1990s and early 2000s. Additional structures, no longer onsite, occupied the Site from at least the late 1920s to the late 1990s.

A mound of gravel and two cylindrical concrete structures were observed in the vacant lot south of the four residences. The structure was identified by the owner of the Site as an unused water weir. Based on visual observations, the structure appears to be abandoned standpipes related to former crop irrigation activities. An approximately 12 foot square asphalt patch was observed approximately 100 feet northwest of the standpipes.

A review of regulatory databases indicated that former occupants of the Site, Lakeside Motors and Y Tire Sales, were listed on the LUST database for an unauthorized release of diesel fuel that reportedly affected "soil only." The database indicated both a "remedial action underway" and "case closed" status on March 17, 1995. San Diego County Department of Environmental Health (DEH) records indicate that the release involved leaking 55-gallon drums containing waste oil that affected the soil immediately southwest of the commercial building. Remedial activities performed included excavating a 10 feet by 15 feet area to approximately 6 feet below ground in the contaminated area, collecting and analyzing over 20 soil samples, and removing and disposing approximately 40,000 pounds of contaminated soil. The DEH indicated in a letter dated August 22, 1995 that no further action was required regarding the unauthorized release. Lakeside Motors and Truck World were also listed on the PERMITS database.

DEH records reviewed for 11721 Woodside Avenue indicate that a complaint was made to the DEH on August 30, 1993 by an anonymous person for the Truck World facility. The nature of the complaint alleged that an abandoned leaking UST, formerly operated by Truck World, was reportedly located in a vacant field east of 11719 Woodside Avenue. Evidence of a UST was not observed during an

inspection performed by the DEH on September 13, 1993. A diagram included in the file sketched by DEH personnel based on the anonymous complaint suggested that a 10,000-gallon UST and two 2,000-gallon USTs may occupy the southeastern and southwestern portions of the Site, respectively. The complaint was investigated by the DEH who found no evidence of the alleged USTs, and no further information appears in the file. Based on surface utility/structure surveys conducted by Geocon in the areas presumed to be discussed in the DEH file, no anomalies suggestive of man-made objects were detected.

Two properties located within an approximately ⅛-mile radius of the Site are listed on the regulatory database. Lakeside Middle School, located at the adjacent property to the east, is listed on the RCRA GEN database as a small quantity generator (SQG) of hazardous wastes. Student Transportation Facility, located at the adjacent property to the south, is listed on the PERMITS database for generating hazardous waste, storing hazardous substances, and for administrative violations. Based on the presumed depth and flow of groundwater in the area and the apparent distance and status of the listings of the properties listed on the regulatory databases, significant adverse impacts from the offsite properties listed on the databases is not expected at the Site. Additionally, based on observations of offsite properties during the site reconnaissance, Geocon did not observe physical evidence to suggest that offsite properties have impacted the Site with hazardous wastes or materials.

Based upon information provided by the property owner and in regulatory agency files, Geocon performed a Phase II investigation to assess the potential presence of USTs, petroleum hydrocarbons, and/or other recognized environmental conditions (RECs) on the exterior portions of the Site. Geocon conducted a subsurface utility/structure survey, observed the excavation of trenches on three separate occasions, and collected soil samples by trenching and drilling for laboratory analyses. The findings of the Phase II are summarized as follows.

- Trenches T1 and T2 were excavated in the vicinity of a reported soil excavation adjacent to the southwestern corner of the building at 11719 Woodside Avenue. Well-sorted crushed rock was encountered in the eastern portion of trench T2 to the maximum depth excavated (approximately 6.5 feet). TPHd was detected at 2 feet in both T1 and T2 at concentrations of 150 mg/kg and 250 mg/kg, respectively. TPHmo was detected at concentrations of 400 mg/kg and 590 mg/kg, respectively.

- Trench T3 was excavated in the vicinity of a detected metallic anomaly in a fenced lot south of the building at 11719 Woodside Avenue. A thin, steel, apparently abandoned, water pipe was encountered approximately two feet below ground surface in the southern portion of trench T3. TPHg was not detected in trench T3. Minor concentrations of TPHd and TPHmo were detected at 2 feet.

- Trenches T6, T7, and T8 were excavated in a gravel lot in the central portion of the Site. With the exception of sample T6-2, concentrations of TPH were not detected at or above the laboratory detection limits in any of the soil samples obtained from T6, T7, or T8. The soil sample T6 at 2 feet exhibited TPHd and TPHmo at concentrations of 170 mg/kg and 400 mg/kg, respectively.

- A UST is located approximately 1 foot below ground surface in the southwestern portion of the Site. The UST is approximately 4 feet in diameter by 8 feet long with an approximately 750-

gallon capacity. The top of the UST appears to be partially crushed and liquid (apparently water) was observed in an opening near the crushed area.

Petroleum hydrocarbons in the diesel and motor oil range appear to extend vertically approximately 12 to 14 feet below ground surface (or approximately 7 to 9 feet below the bottom of the UST). The maximum benzene concentration at 8 feet directly beneath the north wall of the tank is 1.0 mg/kg. Benzene was not detected in soil samples collected from deeper depths. Minor concentrations of TPH as diesel was detected at 16 and 19.5 feet in GB3 (51 mg/kg and 13 mg/kg, respectively). Petroleum hydrocarbons appear to extend laterally approximately 2 to 3 feet west of the western tank edge and decreases to below laboratory detection limits in all directions away from the UST.

TPHg, BTEX, and MTBE was not detected at or above the laboratory detection in the water sample collected from within the UST. TPHd and TPHmo were detected at concentrations of 2.6 mg/l and 3.8 mg/l, respectively.

- A debris pit is located in the vicinity of an asphalt patch in the southeast portion of the Site. Odors suggestive of petroleum hydrocarbons and garbage were detected at approximately 1½ to 3 feet below ground surface. Trash and debris including 1-gallon and 5-gallon paint containers, bottles, glass jars, metal pipes, hoses, and wood debris were encountered in the debris pit.

  Based upon trenching observations, the debris pit appears to comprise an area approximately 8 feet long and 6 feet wide and is approximately 5 feet deep. Sample EXC-1-4, collected in the central portion of the debris pit, exhibited the highest concentrations of petroleum hydrocarbons, including 33 mg/kg TPHg, 81 mg/kg TPHd, 140 mg/kg TPHmo, 0.160 mg/kg toluene, 0.025 mg/kg ethylbenzene, and 0.51 mg/kg xylenes. Organochlorine pesticides and PCBs were not detected at or above the laboratory detection limits in sample EXC-1-4, and no visible asbestos was present in the sample. Reported concentrations of CCR Title 22 metals in sample EXC-1-4 are within typical background ranges in soil in southern California. BTEX were not detected at or above the laboratory detection limits in any of the soil samples collected from soil borings around the debris pit.

Based on these findings, RECs identified at the Site and recommendations to address the RECs are as follows:

- An approximately 750-gallon capacity, 8-foot long by 4-foot diameter UST was encountered at the southwestern portion of the Site during trenching activities. The UST should be removed in accordance with County of San Diego DEH guidelines. The volume of soil containing TPH to be excavated and disposed from the UST area is approximately 10 feet by 12 feet by 15 feet, or approximately 100 tons (Figures 6 and 7). For budgeting purposes, transportation and disposal fees for soil containing petroleum hydrocarbons range from $55 per ton (classified as nonhazardous waste) to $75 per ton (classified as hazardous non-RCRA waste), or approximately $5,500 to $7,500. Costs associated with tank disposal, liquid disposal, permitting, report writing, and backfilling with imported fill are approximately $5,000. The total cost associated with tank removal is estimated to be $13,000.

- An approximately 8 feet by 6 feet by 7 feet deep pit was encountered in the southeast portion of the Site. Paint containers, bottles, glass jars, metal pipes, hoses, and wood debris were observed in the pit. Trash and debris should be excavated from the debris pit and disposed of in

accordance with applicable laws and regulations. Approximately 22 tons of debris and soil should be excavated and disposed in accordance with regulatory guidelines. Using similar assumptions as above, the cost associated with debris pit disposal is estimated to be $5,000.

- Concentrations of TPH as diesel and motor oil were detected in soil samples collected from trenches T1 through T3 and T6 through T8. Soil containing TPH appears to be near-surface in these areas and is likely the result of incidental minor surface spills and leaks or related to historical vehicle usage/storage. Additional investigation in these areas does not appear to be warranted. The cost associated with resolution of this issue is estimated at less than $2,000.

- ACMs and LCP were identified in the residential structures. ACMs and LCP should be abated in accordance with applicable laws and regulations. Actual abatement costs will require bids from qualified and reputable abatement contractors. For budgeting purposes, abatement cost of identified ACM and LCP in the onsite structures is approximately $15,000, which includes abatement activities and consulting oversight/reporting.

- If removal or abandonment of the apparent irrigation standpipe is proposed, the structure should be removed or abandoned in accordance with applicable laws and regulations.

- Containers of chemical products (e.g., paint cans) observed in the abandoned residential structures should be removed from the Site and disposed in accordance with applicable laws and regulations. The cost associated with resolution of this issue is nominal (e.g., less than $3,000).

- The estimated cost to address the issues identified at the Site is $38,000.

PHASE I/PHASE II ENVIRONMENTAL SITE ASSESSMENT

1. INTRODUCTION

1.1 Purpose

This report presents the results of a Phase I/Phase II Environmental Site Assessment (ESA) of an approximately 4-acre property identified by San Diego County Assessor's Parcel Number (APN) 382-220-01, in the community of Lakeside, San Diego County, California (the Site). Geocon Consultants, Inc. (Geocon) prepared this report in accordance with the request of Mr. Jim Hunter of Silver Sage Properties, LLC (the Client).

This ESA was conducted in general accordance with the American Society for Testing and Materials (ASTM) 2000 Standard Practice for Environmental Site Assessments, Designation E1527-00. The main components of this report, as specified by the ASTM Standards, include the following:

- **Site Reconnaissance:** The objective of the Site reconnaissance is to obtain information indicating the likelihood of identifying recognized environmental conditions (RECs) in connection with the Site. The site reconnaissance was for the Site only and did not include moving onsite debris, vehicles, or other objects to allow for observation of the underlying ground surface. Offsite properties and features were viewed from the Site and a drive-by reconnaissance of the surrounding area.

- **Physical Setting:** Physical setting references were reviewed to obtain information concerning the topographic, geologic and hydrogeologic characteristics of the Site and vicinity. Such information may be indicative of the direction and/or extent that a contaminant could migrate in the event of a spill or release.

- **Site History:** The purpose of consulting historical references is to develop a history of the previous uses of the Site and surrounding area to help identify the likelihood of past uses having led to RECs in connection with the Site. Historical sources reviewed included aerial photographs and interviews conducted with persons who were reasonably expected to be knowledgeable about historical and/or current conditions at and uses of the Site.

- **Records Review:** The purpose of the records review is to obtain and review records that will help identify RECs at or potentially affecting the Site. Geocon reviewed client-provided and publicly available federal, state, and local regulatory agency records pertaining to the Site.

1.2 Scope of Services

Geocon's Proposal No. EP-2004-031 and Change Order No. 001-LLK outline the scope of services proposed for the study. Geocon performed the services outlined in the referenced documents with the following exceptions:

- Historical fire insurance maps were not reviewed because no historical map coverage was available for the vicinity of the Site.

- City of Lakeside Fire Department records were not reviewed because agency personnel indicated that records of this nature are managed by the San Diego County Department of Environmental Health (DEH).

1.3 Site Location

The Site has physical addresses of 11719, 11721, 11743, 11745, 11747, and 11749 Woodside Avenue, Lakeside, California. The Site is located north of Waterhill Road, south of Woodside Avenue, east of Marilla Drive, and west of Riverview Avenue. The approximate location of the Site is shown on the Vicinity Map presented as Figure 1.

2. SITE RECONNAISSANCE

Representatives of Geocon conducted a limited reconnaissance of the Site and performed observations of adjacent properties on April 9, 2004. Mr. Gaetano DeLisa, the current owner of the Site, accompanied Geocon during the reconnaissance. Observations noted during the site reconnaissance are summarized below.

2.1 Onsite Observations

The Site is a rectangular parcel formerly used for residential, commercial, and light-industrial purposes. Onsite buildings, all vacant, include the following:

- A sheet-steel commercial building occupying the northwestern portion of the property (11719 Woodside Avenue).
- A single-family residence (11721 Woodside Avenue) located at the central portion of the Site (main residence).
- Four single-family residences (11743, 11745, 11747, and 11749 Woodside Avenue) occupying the northeastern portion of the Site.

Vacant and naturally vegetated areas, enclosed with chain-link fencing, occupy the southeastern, southwestern, and western portions of the Site. Groundcover at the Site consists of gravel-covered dirt at the northern and central portions and asphalt at the northeastern and northwestern portions. An unpaved access road traverses the southern site boundary. Overhead electrical lines traverse the northern and western site boundaries. Pole-mounted electrical transformers were observed at the northern and northeastern site boundaries.

The commercial building is one-story and consists of office space, restroom facilities, and two warehouses with concrete flooring. The asphalt-paved areas located immediately south and west of the building are enclosed with chain-link fencing. Asphalt-paved parking areas were observed at the northern and western sides of building. Geocon observed a floor drain within an asphalt-bermed area

located outside of the southeastern corner of the commercial building. The bermed area is approximately 10 feet by 20 feet. This area was reportedly used by Lakeside Motors, a used-car dealership and former tenant of the Site in the late 1990, for washing cars. Mr. DeLisa believes that a clarifier connected to the sanitary sewer system lies beneath the floor drain. A sanitary sewer clean-out beneath a metal cover was observed approximately one foot north of the floor drain. A metal pipe was observed at the southeastern corner of the building's roof, approximately four feet north of the floor drain. The pipe appears to originate from beneath the floor surface in the building interior and extends approximately four feet above the roof of the building.

The main residence is a one-story wood-frame structure with a detached garage occupying the southern portion. Areas of petroleum hydrocarbon staining were observed on the concrete floor of the garage interior and outside along the eastern garage wall. An approximately 55 foot by 60 foot concrete pad is located approximately 25 feet southeast of the main residence. According to Mr. DeLisa, a Quonset hut formerly covered the concrete pad. Minor staining was observed on the concrete pad.

The four residences occupying the northeastern portion of the Site are one-story wood-frame structures accessible by an asphalt-paved driveway. Chain-link fencing borders the eastern, western, and southern sides of the residential grouping. Geocon observed an open 1-gallon paint container and splattered paint outside of the eastern wall of the residence at 11745 Woodside Avenue. Splattered paint was also observed on the southeastern portion of the driveway. Within the residence at 11747 Woodside Avenue, Geocon observed open and spilled 1-gallon paint containers in a room at the western portion of the house. In addition, 32-ounce and 1-gallon paint containers and a 1-gallon container of fiberglass resin were observed inside and outside of a closet within the residence. These containers appeared to be properly sealed, labeled, and in good condition with no visual evidence of spills or leaks.

The vacant lot south of the four residences is primarily dirt and gravel; however, an approximately 12 foot square asphalt-paved patch is apparent in the western portion. The southeastern portion of the lot is occupied by a mound of gravel approximately 2 feet high, 15 feet wide, and 35 feet in length and a concrete structure identified by Mr. DeLisa as an unused water weir. The structure consists of two cylindrical casings measuring approximately 4 feet high and 2 feet in diameter and 7 feet high and 1 foot in diameter, respectively. A metal pipe is attached to the top of the 4-foot high casing. The casings were observed to be plugged or filled by soil. Based on visual observations, the structure appears to be abandoned standpipes related to former crop irrigation activities.

No significant odors, pools of liquid, drums, significantly stained soil, distressed vegetation, aboveground storage tanks (ASTs), pits, or ponds were observed at the visibly accessible portions of the Site. A Site Plan illustrating the noted site features is included as Figure 2. Photographs taken during the site reconnaissance are presented in Appendix A.

2.2 Offsite Observations

Observed and reported current uses of adjacent properties and surrounding areas are described below:

Direction	Adjacent Properties	Surrounding Area
North	Woodside Avenue; undeveloped.	California Highway 67 (CA-67); undeveloped; Willowbrook Country Club (11905 Riverview Drive).
East	Lakeside Middle School (11833 Woodside Avenue).	Riverview Avenue; commercial development.
South	Marilla Head Start (9745 Marilla Drive); Pupil Transportation Services (9707 Marilla Drive); River Valley Charter School (9707½ Marilla Drive).	Residential development; Waterhill Road.
West	Marilla Drive; residential development.	Commercial development; undeveloped.

3. PHYSICAL SETTING

3.1 Topographic Features

Information regarding the topography and previous development of the Site and properties located in the vicinity of the Site was obtained from a review of a U.S. Geological Survey (USGS) topographic map for the El Cajon, California 7.5 minute quadrangle. The Site is located within Township 15 South and Range 1 West (USGS, 1967) and is situated at an elevation of approximately 390 feet above mean sea level (MSL). Two buildings are depicted at the western portion of the Site and four buildings are shown at the northeastern portion. Topography in the vicinity of the Site appears to slope with decreasing relief to the northwest, toward the San Diego River.

Buildings are depicted at the adjacent properties to the east (labeled as Lakeside Union School), west, and southwest. A running track is shown at the southwestern portion of the adjacent property to the east. Buildings associated with a fire station and Riverview School are depicted less than ⅛-mile and approximately ½-mile to the southeast, respectively. The San Diego River is shown traversing properties approximately ½-mile to the north. Areas coded as "tailings," associated reservoirs, and a sandpit are shown to the north and northeast. A sewage disposal plant and sandpit are shown approximately ½-mile west of the Site. "Light-duty" and "heavy-duty" roads are shown adjacent and in the vicinity of the Site including, but not limited to, Woodson Avenue, Marilla Drive, Waterhill Road, Riverview Avenue, and CA-67. Additional features depicted in the site vicinity include areas coded as "house omission tint" (densely populated area), areas coded as "scrub" (dense vegetation), buildings, churches, the Lakeside Golf Course, mobile home parks, and Lindo Lake Park.

Topographic features as depicted on the map are generally representative of observed site conditions during Geocon's site reconnaissance. A reproduction of a portion of the USGS map is presented as Figure 3.

3.2 Geologic Conditions

The Site is located in the Peninsular Ranges geomorphic province of Southern California (Norris and Webb, 1990). This geomorphic province encompasses an area that extends 125 miles from the Transverse Ranges and the Los Angeles Basin south to the Mexican Border and beyond another 775 miles to the tip of Baja California. In general, the province consists of rugged mountains underlain by Mesozoic igneous and metamorphic rocks to the east and a dissected coastal plain underlain by Cenozoic sediments to the west. The province varies in width from approximately 30 to 100 miles, and is traversed by a group of sub-parallel fault zones trending roughly northwest.

The Site appears to be underlain by Mesozoic Granitic Rocks (California Division of Mines and Geology, 1962). This formation consists of Woodson Mountain Granodiorite (light-colored granodiorite).

3.3 Regional Groundwater Quality and Occurrence

Information sources prepared by the California Department of Water Resources (CDWR) and the California State Water Resources Control Board (SWRCB) were reviewed for information pertaining to groundwater quality and occurrence in the vicinity of the Site. Based on these sources, the Site is located within the Fernbrook Hydrologic Subarea (7.21) of the San Vicente Hydrologic Area (7.20) of the San Diego Hydrologic Unit (7.00) (SWRCB, 1994). Groundwaters within the site vicinity are highly variable in quality. Between the towns of Lakeside and Santee, groundwaters are of poor quality. Total dissolved solids (TDS) concentrations range from 1,000 milligrams per liter (mg/l) to 3,000 mg/l, and sulfate concentrations up to 1,700 mg/l (CDWR, 1967). Groundwater in the San Vincente Hydrologic Area has existing beneficial use designations for agricultural and municipal supply purposes (SWRCB, 1994).

No CDWR wells are located on the Site or its adjacent properties (CDWR, 2003). Based on general knowledge of the local hydrogeology in the area, groundwater beneath the Site is estimated to be between 25 and 35 feet and is presumed to flow generally in a westerly direction, but may also have a component of flow in a northwesterly direction towards the San Diego River. Groundwater depth and flow direction beneath the Site may vary due to proximity to creeks and streams, local irrigation practices, seasonal rainfall, and fracture systems in the underlying bedrock units.

4. SITE HISTORY

4.1 Aerial Photographs

Aerial photographs, available at the County of San Diego Department of Public Works (DPW) for the years 1928, 1953, 1966, 1971, 1978, 1983, and 1989, and from in-house sources for 1986-87, 1995-96 and 1999 were reviewed during the preparation of this ESA. Observations noted during the review are discussed below.

Year	Observations			
	Flight/ Photograph #	Scale	Subject Site	Adjacent and Vicinity Properties
1928	San Diego County/54D10	1"=1,000'	Site appears to be occupied by the main residence and approximately four additional structures. The eastern portion of the Site appears graded and tilled. The eastern and central portions of the Site appear to be used for agricultural purposes (indicated by linear ground patterns). An unpaved road traverses the northern and central portions of the Site.	The adjacent property to the south appears to be used for agricultural purposes. Vacant land followed by a cluster of buildings is visible to the east. Adjacent property to the west appears undeveloped. Orchards are apparent on properties in the vicinity to the west. Woodside Avenue and Marilla Drive are observed in their current configurations. The San Diego River is apparent to the north.
1953	AXN/9M-70	1"=660'	The four current residences and driveway occupying the northeastern portion of the Site are visible. A circular structure is observed immediately southwest of the residences. Approximately five structures are apparent south of the main residence. A rectangular-shaped dark-shaded area is observed at the central portion of the Site. Approximately four structures occupy the northwestern portion of the Site. Agricultural activity is no longer visible. Vegetation appears to only occupy the northern portion of the property. All else similar to 1928 photograph.	Two buildings are visible at the adjacent property to the south. The current buildings and running track associated with Lakeside Middle School are apparent at the adjacent property to the east. All else similar to 1928 photograph.

Year	Observations			
	Flight/ Photograph #	Scale	Subject Site	Adjacent and Vicinity Properties
1966	GS-VBO1/1-214	1"=2,000'	The current building occupying the northwestern portion of the Site is visible. Two additional structures are apparent south of the main residence. All else similar to 1953 photograph.	Structures are apparent at the adjacent properties to the west, southwest, and south. A baseball diamond is visible at the southeastern portion of the adjacent property to the south. Agricultural use previously observed at the adjacent property to the south in the 1928 and 1953 photographs is no longer visible. All else similar to 1953 photograph.
1971	SDC/7-10	1"=2,000'	Vehicles (presumed) are apparent at the northern and western portions of the Site. Only two buildings are observed south of the main residence. All else similar to 1966 photograph.	The baseball diamond previously observed in the 1966 photograph is no longer apparent. CA-67 is visible to the north. All else similar to 1966 photograph.
1978	SDCO/210-32D	1"=1,000'	Vehicles and trailers (presumed) are apparent throughout the Site. An additional structure is visible southwest of the main residence. Approximately three additional structures are observed at the northeastern portion of the Site. All else similar to 1971 photograph.	Increased development is visible to the west. All else similar to 1971 photograph.
1983	CAS/187	1"=2,000'	Additional structures previously observed at the northeastern portion of the Site are no longer apparent. All else similar to 1978 photograph.	Similar to 1978 photograph.
1986-1987	Aerial Foto Map Book 131	1"=2,000'	Apparent vehicles are only visible at the northern portion of the Site only. All else similar to 1983 photograph.	Similar to 1983 photograph.

Year	Observations			
	Flight/ Photograph #	Scale	Subject Site	Adjacent and Vicinity Properties
1989	WAC (West)/1-126	1"=2,640'	Observed onsite features include the current main residence, a structure immediately south of the main residence, current commercial building, the four residences occupying the northeastern portion of the property, and trailers/vehicles. The southeastern portion of the Site appears vacant and naturally vegetated.	Similar to 1986-1987 photograph.
1995-1996	T. Bros. Foto Map Book Page 1231	1"=1,980'	Trailers/vehicles are no longer apparent at the Site. The structure previously observed south of the residence is no longer visible. Similar to 1989 photograph.	Three additional structures are visible at the adjacent property to the south. All else similar to 1989 photograph.
1999	T. Bros. Foto Map Book Page 1231	1"=2,400'	Similar to 1995-1996 photograph.	Adjacent property to the south appears developed as currently improved. All else similar to 1995-1996 photograph.

4.2 Interviews

Geocon interviewed Mr. Gaetano DeLisa regarding past and present usage of the Site. According to Mr. DeLisa, the Site has been owned by his family since 1938. The property was reportedly developed as a ranch and occupied by livestock and an apricot orchard when the DeLisa family purchased the property. Mr. DeLisa's family was informed that the concrete structure at the southeastern portion of the Site is associated with water utilities. He believes that the structure may be a water weir and has occupied the Site since the 1920s. Sewage disposal at the Site is reportedly provided by the municipal sewer system; however, he is unaware if the onsite residential structures were formerly on septic systems.

Mr. DeLisa stated that the Site has been occupied by several tenants since his family acquired the property, as follows:

Date(s) of Occupancy	Business Name	Reported Operation	Comments
1950s	Unknown	Road oiling business.	Facility may have operated a gasoline dispenser, connected to a UST or AST, located at the southwestern portion of the property. Mr. DeLisa also recalls filling his vehicle from this dispenser.
Approximately 6 months in the early 1990s.	Y Tire Sales	Retail tire company.	The facility reportedly stored 30-gallon drums of hazardous substances outside of the southwestern corner of the commercial building. Due to an unauthorized release from the drums, which the tire company was reportedly the responsible party, remedial activities were performed immediately southwest of the building. The activities involved an approximately 15'x15'x15' excavation of contaminated soil.
Approximately 3 years in the early 1990s.	Truck World	Trucking company.	Reportedly occupied a temporary building developed at the northern portion of the Site.
Approximately 3 years in the early 1990s.	Alpine General	Construction company – owner of Truck World.	Occupied the main residence during Truck World's occupancy. Alpine General reportedly used the main residence for office space.
Late 1990s.	Hunt Construction Co.	Construction company.	Reportedly used the main residence for office space and hardware storage.
Approximately 3 years from the late 1990s to 2003.	B&M Trucking	Trucking company.	Used the southern portion of the Site for truck parking and occupied a Quonset hut previously constructed on top of the concrete pad located east of the main residence. The hut was removed from the Site approximately 1½ years ago.
Unknown.	Unknown	Trucking company.	Used the southeastern portion of the Site for its operations.
Late 1990s.	Lakeside Motors (presumed)	Used-car dealership.	Occupied the onsite commercial building and areas in the vicinity of the building. The cars were reportedly washed at the asphalt-bermed area, located outside of the southeastern corner of the commercial building. Water run-off was directed towards the floor drain within the bermed area. Mr. DeLisa believes that a clarifier, connected to the sanitary sewer system, lies underneath the floor drain.
A few months in the late 1990s.	Professional Garage Doors	Garage door sales and installation.	Occupied the commercial building after Lakeside Motors vacated the Site.
Approximately 6 months in 2001.	Mr. Tom Vetabill	Barbeque assembly.	Used the commercial building for barbeque equipment assembly.

5. REGULATORY AGENCY RECORDS

5.1 Database Review

Track-Info Services, LLC, a regulatory database search firm, performed a search of federal, state and local databases for the Site and surrounding areas. A reproduction of the report titled *Environmental*

First Search Report, 11719-11749 Woodside Ave., Lakeside, CA 92040 and dated July 20, 2004 is presented as Appendix B. The following table lists databases that were searched and the number of listings.

Database Name	Search Radius (Mile)	Number of Listings
FEDERAL DATABASES		
NPL (National Priority List)	1	0
CERCLIS (Sites currently or formerly under review by USEPA)	½	0
NFRAP (No further remedial action planned CERCLIS sites)	⅛	0
RCRA TSD (RCRA permitted treatment, storage, disposal facilities)	½	0
RCRA COR (RCRA Corrective Action Sites List)	1	0
RCRA GEN (RCRA Hazardous Waste Generators)	¼	1
RCRA NLR (RCRA No Longer Regulated List)	⅛	0
ERNS (Emergency Response Notification System of Spills)	⅛	1
STATE DATABASES		
STATE SITES (Cal-Sites and Cortese Databases)	1	1
SPILLS-1990 (California Regional Water Quality Control Board)	⅛	0
SWL (Permitted as solid waste landfills, incinerators, or transfer stations)	½	3
LUST (Leaking Underground Storage Tanks)	½	21
LOCAL DATABASES		
PERMITS (San Diego County Department of Environmental Health)	⅛	3
REG UST/AST (DEH tank list)	¼	2

5.1.1 Site

Lakeside Motors (former tenant of 11719 Woodside Avenue), historically known as Y Tire Sales, is listed on the database report as follows:

Database(s)	Status/Regulatory Comments
LUST	Listed for an unauthorized release of diesel fuel that reportedly affected "soil only" (DEH Case #H35322-001). The case was reportedly issued a closed status on March 17, 1995. See Section 5.5 for further information regarding this release.
PERMITS	Generated paint sludge, waste/mixed oil, used oil filters, used batteries, and organic liquids with metals.

Truck World, a previous tenant of the Site reportedly located at 11721 Woodside Avenue, is listed on the PERMITS database as an inactive facility. The facility reportedly generated waste/mixed oil and hydrocarbon solvents.

5.1.2 Adjacent Properties and Vicinity Properties

Based on the database search summarized in Section 5.1, the following discussion provides additional information regarding properties reportedly located within an approximate ⅛-mile radius of the Site and the status of their listings.

Lakeside Union San Diego (Lakeside Middle School), reportedly located approximately 0.05 miles northeast of the Site at 11833 Woodside Avenue, is listed on the RCRA Gen database as a small quantity generator (SQG) of hazardous waste. Based on field observations during the site reconnaissance, this facility appears to occupy the adjacent property east of the Site. An SQG generates between 100 and 1,000 kilograms of hazardous waste per month.

Student Transportation Facility, reportedly located approximately 0.05 miles southeast of the Site at 9707 Marilla Drive, is listed on the PERMITS database. Based on field observations during the site reconnaissance, this facility appears to occupy the adjacent property south of the Site. The facility reportedly generates waste/mixed oil, hydrocarbon solvents, degreasing sludge, used oil filters, unspecified solvent mixture, organic liquids with metals, and used batteries and stores propane, compressed oxygen, and compressed acetylene. Violations have been recorded for the facility including the following: "Hazardous waste containers are missing labels, accumulation date and/or are improperly labeled."

5.1.3 Non-Geocoded (Unmapped) Sites

This portion of the regulatory database report identifies properties that have incomplete address information and could not be specifically plotted. Three facilities are listed as non-geocoded facilities. The properties do not appear to be located within a ⅛-mile radius of the Site.

5.2 California Department of Conservation Division of Oil, Gas, and Geothermal Resources

Geocon reviewed California Department of Conservation Division of Oil and Gas (DOG) maps to estimate the distance and direction to the nearest oil or gas wells from the Site. According to the map sources, no oil or gas wells are located within a 2-mile radius of the Site (California Department of Conservation, 1999).

5.3 Water and Sewer Agencies

Geocon contacted the Riverview Municipal Water District (RMWD) to obtain information pertaining to the reported source of water and method of sewage disposal for properties in the general vicinity of the Site, the location and depth of wells for the area, and any reported drinking water contamination problems. Geocon was informed that RMWD obtains 30% to 40% of its water from local wells and

60% to 70% of the water supplied by RMWD is purchased from Padre Dam Municipal Water District (PDMWD). The PDMWD purchases the potable water from the San Diego County Water Authority. The RMWD representative was not aware of reported drinking water contamination problems or of municipal drinking water wells onsite or in the site vicinity. Municipal sewage in the site vicinity is treated by the Wastewater Collection Division of Metropolitan Wastewater Department at the Point Loma Wastewater Treatment Plant in San Diego, California. The RMWD representative was not aware of the apparent water well on the southeastern portion of the Site.

5.4 San Diego Gas and Electric Company

Pole-mounted electrical transformers were observed onsite and in the site vicinity. Documented discussions with SDG&E representatives regarding transformers indicate that SDG&E has never specified polychlorinated biphenyl (PCB)-containing transformers for its electrical distribution system. Regardless, SDG&E has determined that some older (pre-1980s) mineral transformers were inadvertently contaminated with PCBs by the manufacturer. Based on a statistical sampling and testing program reportedly performed by SDG&E, it is unlikely that transformers found within its service area contain PCBs.

5.5 San Diego County Department of Environmental Health (DEH)

Geocon requested information from the DEH pertaining to hazardous wastes, hazardous materials, and USTs on the Site. Records on file for the Site included the information below. No records are on file for 11743, 11745, 11747, and 11749 Woodside Avenue. Correspondence from the Department is presented in Appendix C. Copies of the records are presented in Appendix D.

11719 Woodside Avenue

Type	Occupant	Date(s)	Description
Limited Soil Sampling Activities Report Prepared by Dames & Moore	Y Tire Sales, Inc.	5/2/95 – Date of report.	The report issued to the DEH indicated that a release from waste oil drums (DEH Case #H35322-001) occurred at the property, resulting in contamination to the soil behind the onsite commercial building. Total recoverable petroleum hydrocarbons (TRPH) ranging from 13 to 750 milligrams per kilogram (mg/kg) were reportedly found in the soil. The soil was excavated and samples obtained from an excavated area, with a depth of approximately 2 feet, indicated that concentrations of TRPH were less than 100 mg/kg and purgeable hydrocarbons and volatile aromatics concentrations were less than the analytical detection limits.
Supplementary Consultation Letter Prepared by Dames & Moore	Y Tire Sales, Inc.	5/2/95 – Date of letter.	The letter and attached site plan issued to the DEH indicated that the drums containing waste oil and area of excavation were located outside of the southwestern portion of the onsite commercial building.

Type	Occupant	Date(s)	Description
Site Assessment Case Closure Summary	Y Tire Sales, Inc.	8/22/95 – Date of summary.	The summary indicated that leaking 55-gallon waste oil drums resulted in contaminated soil immediately southwest of the onsite commercial building. Remedial activities included excavating a 10 foot by 15 foot excavation down to approximately 6 feet, collecting and analyzing over 20 soil samples, and removing and disposing approximately 40,000 pounds of soil containing petroleum hydrocarbons.
Letter Prepared by the DEH	Y Tire Sales, Inc.	8/22/95 – Date of letter.	The DEH indicated that based on the site remediation information prepared by Dames & Moore, no further action is required in regard to the unauthorized release.
Official Notice of Violation & Supplemental Inspection Report	Lakeside Motors	7/31/97 – Date of report. 8/4/97 – Date of follow-up letter issued to DEH from Lakeside Motors.	A complaint was received by the DEH by an outside party alleging the discharge of solvent solutions to the ground surface during engine cleaning operations. A DEH inspector visited the Site and found that sodium hydroxide-base liquid solution is collected in an onsite sump connected to the sewer system during engine degreasing activities. After the sludge is removed from the sump, it is disposed into the trash which constitutes a violation of illegal disposal of hazardous waste to an unauthorized location. The inspector found that used oil filters are also disposed in the same manner. Violations were also noted that involved the unlawful transport of hazardous waste and administrative issues. A follow-up letter issued to the DEH from Lakeside Motors stated that Lakeside Motors was in full compliance with the DEH as of the date of the letter.
Compliance Inspection Report	Lakeside Motors	10/27/97 – Date of follow-up investigation for violations issued on 7/31/97.	A follow-up inspection was conducted by the DEH to evaluate the implementation of corrective actions mandated by a Notice of Violation issued to Lakeside Motors on July 31, 1997. According to the inspector, the facility had appeared to be in compliance with DEH regulations at that time.

11721 Woodside Avenue

A compliance inspection was performed by the DEH on July 31, 1990 for Truck World. The inspection was reportedly conducted in response to a complaint received from an outside source in regard to unauthorized releases of waste water run-off from car washing operations and of oils and diesel fuel onto the bare ground. The report indicated that the pressure sprayer used to wash cars used deionized water only and evidence of unauthorized releases was not observed. The inspector recommended that a wash rack with a sump be installed to collect rinse water. The inspector noted that compressed oxygen and motor oil were stored at the Site. Violations were recorded during the inspection including "Hazardous waste containers are not properly closed while in storage."

On August 30, 1993, a complaint was made to the DEH by an anonymous person regarding the Truck World facility. The anonymous person indicated that a leaking UST, formerly operated by Truck

World was located in a vacant field east of 11719 Woodside Avenue. The owner of Truck World had reportedly stated to the anonymous person that he previously used the UST but stopped when he realized that the tank was losing material. A DEH inspector visited the Site on September 13, 1993. The inspector observed the abandoned irrigation standpipes and mounds of gravel at the southeastern portion of the Site. Evidence of the alleged UST was not observed. A diagram included in the file indicated that a 10,000-gallon UST and two 2,000-gallon USTs may occupy the southeastern and southwestern portions of the Site, respectively. Further information regarding the USTs was not found.

5.6 San Diego County Building Department

Geocon contacted the San Diego County Building Department for building information related to the Site. Records on file for the Site included the information below. Copies of the records are presented in Appendix E. No records are on file for 11743 and 11749 Woodside Avenue.

11719 Woodside Avenue (Commercial Building)

Two expired permits, purged[1] on October 19, 1988, were listed with the owner name "El Monte Tire Co." The permits were reportedly for construction of signs and for electrical services for a "Postage Stamp Lot" of a single dwelling unit.

A permit for a "general auto repair-waste" UST, dated May 4, 2002, was reportedly issued to Lakeside Motors. The facility status is reportedly inactive.

11721 Woodside Avenue (Main Residence)

A permit dated May 4, 2002 was reportedly issued to Truck World. However, details regarding the permit were not available.

11745 Woodside Avenue (Residence)

A finalized electrical permit, purged on April 14, 1986, was listed with the owner name "Johnson, May." The permit was reportedly for "gas/temporary gas (testing)."

Two finalized electrical permits, purged on April 14, 1986, were listed with the owner name "Johnson." The permits were reportedly for reinspection and enforcement services.

[1] According to a representative of the San Diego County Building Department, the "purge" date of a permit refers to the date when the Department disposed of all detailed information regarding the record.

11747 Woodside Avenue (Residence)

A permit, dated September 24, 2001, was issued for miscellaneous electrical and plumbing repairs to a residence. The status of the permit is reportedly "open."

A permit, dated July 10, 2001, was issued for two sea-cargo containers. The status of the permit is reportedly "expired."

5.7 Air Pollution Control District (APCD)

Geocon contacted the APCD to obtain information pertaining to permits and notices of violation (NOVs) issued to Site. According to a representative of the APCD, a complaint regarding sandblasting/painting activities was filed for Truck World (11721 Woodside Avenue) on June 22, 1990. Satisfactory action was reportedly taken in regard to the complaint although records do not indicate the nature of the action. A copy of the record is presented in Appendix D.

5.8 County of San Diego Department of Agriculture, Weights and Measures

Geocon contacted the County of San Diego Department of Agriculture, Weights and Measures for information regarding pesticide use records for the Site. The Department maintains such records for approximately four years. According to the Department personnel, no pesticide use records were found for the Site for the years 2001 through 2004. Correspondence from the Department is presented in Appendix C.

6. PHASE II INVESTIGATION

Based upon information provided by the property owner and at the request of the Client, Geocon performed a Phase II investigation at the Site. The purpose of the Phase II assessment was to assess the potential presence of USTs, petroleum hydrocarbons, and/or other RECs at the Site.

6.1 Field Activities

The Phase II field activities included conducting a subsurface utility/structure survey, observing trenching and soil boring activities, and collecting soil samples for laboratory analyses. The trench locations were selected based on limited historical information about the Site, its reported previous tenants, the nature of the former operations, and anomalies encountered during the subsurface utility/structure survey. The soil boring locations were based on findings made from the trenching activities.

6.1.1 Subsurface Utility/Structure Survey

The subsurface utility/structure survey included notification of Underground Service Alert (USA) to contact local public utilities to attempt to delineate subsurface public utilities and conduits in proximity to the proposed trenches and borings.

On March 19, April 12, and June 16, 2004, Subsurface Alert, Inc. performed a survey to evaluate the potential presence of underground utilities and/or other buried structures at potential trench and soil boring locations. The survey was conducted using a combination of electrical and metallic signal locators. Metallic anomalies were detected in the vicinity of trenches T3, T4, T5, EXC-1, and T9. Anomalies suggestive of man-made objects, including subsurface utilities, were not detected at the remaining trench locations.

6.1.2 Trenching

On March 23, May 7, and June 16-17, 2004, Geocon observed trenching activities and collected and analyzed soil samples from eight locations (T1 through T8). The trenches were excavated to depths ranging from approximately 4.5 to 6.5 feet (Figure 2).

On March 23, 2004, trenches T1 and T2 were excavated in the vicinity of a reported soil excavation adjacent to the southwestern corner of the building at 11719 Woodside Avenue. Trench T3 was excavated in the vicinity of a detected metallic anomaly in a fenced lot south of the building at 11719 Woodside Avenue.

Trenches T4 and T5 were excavated in the vicinity of a reportedly abandoned UST at the southwestern portion of the Site. A UST was encountered approximately 1 foot below ground surface in trench T4. The UST was approximately 4 feet in diameter by 8 feet long with an approximate 750-gallon capacity. The top of the UST appeared to be partially crushed and liquid was observed in an opening near the crushed area. On May 7, 2004, additional trenching and soil sampling activities were conducted adjacent to the UST. Trenches were excavated on the northern, southern, and western sides of the UST (trenches TN-1, TS-1, and TW-1, respectively) to depths of approximately 4.5 to 7 feet below ground surface (Figure 4). A sample (T1-WATER) was also collected from the liquid contained within the UST which was approximately half full. Three soil samples were collected from the trenches by angling a hand auger (beginning at the trench floor) so that the sample collection point would be directly under the UST. The depths achieved in the angled borings ranged from approximately 5 to 8 feet below ground surface.

Trench EXC-1 was excavated on May 7, 2004 in the vicinity of an asphalt patch and detected metallic anomaly in the southeast portion of the Site. Odors indicative of petroleum hydrocarbons and garbage were detected at approximately 1½ to 3 feet below ground surface. Trash and debris were encountered

from approximately 3 feet below ground surface. Excavated materials included 1-gallon and 5-gallon paint containers, bottles, glass jars, metal pipes, hoses, and wood debris.

On June 16, 2004, Geocon excavated two perpendicular trenches identified as T9 to a maximum depth of 9 feet. The purpose of this trench was to explore an anomalous area identified by Subsurface Alert, Inc. earlier that day. No soil samples were collected from this location.

Unless otherwise stated, soil samples were collected directly from the trench sidewalls or from the excavator bucket and placed in laboratory provided containers. The approximate locations of all trenches are shown on Figures 2, 4, and 5.

Portions of soil samples not retained for laboratory analysis were screened for the presence of volatile organic compounds (VOCs) using a portable photo-ionization detector (PID). Field screening was performed by exposing soil to the probe end of the PID. None of the soil samples exhibited detectable concentrations of VOCs indicated by the PID.

6.1.3 Soil Borings

Additional soil sampling activities were performed on June 16 and 17, 2004, and included drilling nine exploratory soil borings (GB1 through GB9) using a truck-mounted hollow-stem auger drill rig provided by Tri-County Drilling, Inc. The soil borings were drilled adjacent to the UST and debris pit to assess the extent of petroleum hydrocarbons and VOCs in soil. The maximum depth of drilling was limited to approximately 20 feet because of restrictions for non-permitted borings. Groundwater was not encountered in the borings and the assessment of groundwater was beyond the scope of this investigation. The approximate locations of the soil borings are shown on Figures 4 and 5.

Soil samples were collected continuously (when soil conditions allowed) using a split spoon sampler lined with brass sample tubes at 5 to 13 feet, 15 to 17, and 18 to 20 feet. The soil samples were described and logged in general conformance with the Unified Soil Classification System (USCS). Boring logs are presented in Appendix E. Soil sample tubes collected from each sampling interval were sealed with Teflon sheets, capped, and labeled. Selected soil sample tubes from each boring were then submitted to an onsite mobile laboratory for analyses.

6.2 Findings

6.2.1 Subsurface Conditions

Broken asphalt and weathered asphalt pads were observed throughout the Site. Underlying soil throughout the Site generally consisted of moderately dense, moist, reddish-brown, silty fine sand and

sandy clay. In addition, subsurface conditions observed during trenching and boring activities were as follows:

- Trenches T1 and T2 were excavated in the vicinity of a reported soil excavation adjacent to the southwestern corner of the building at 11719 Woodside Avenue. T1 was also adjacent to the reported clarifier/sanitary sewer clean-out. Well-sorted crushed rock was encountered in the eastern portion of trench T2 to the maximum depth excavated (approximately 6.5 feet).

- Trench T3 was excavated in the vicinity of a detected metallic anomaly in a fenced lot south of the building at 11719 Woodside Avenue. A thin, steel, apparently abandoned, water pipe was encountered approximately two feet below ground surface in the southern portion of trench T3.

- A UST was encountered approximately 1 foot below ground surface in trench T4. The UST was approximately 4 feet in diameter by 8 feet long with an approximate 750-gallon capacity. The top of the UST appeared to be partially crushed and liquid was observed in an opening near the crushed area. Minor staining and odors indicative of petroleum hydrocarbons were encountered in GB4 between 6.5 and 15 feet below ground surface.

- Trench EXC-1 was excavated in the vicinity of an asphalt patch and detected metallic anomaly in the southeast portion of the Site. Odors indicative of petroleum hydrocarbons and garbage were detected at approximately 1½ to 3 feet below ground surface. Trash and debris were encountered from approximately 3 feet below ground surface to the maximum depth excavated (approximately 6.5 feet). Excavated materials included 1-gallon and 5-gallon paint containers, bottles, glass jars, metal pipes, hoses, and wood debris. Soil encountered in GB9 included soft, moist, grayish brown silt, with a trace of fine sand.

- Odors indicative of petroleum hydrocarbons, subsurface structures, fill, and/or debris were not encountered in trenches T1, T6, T7, T8, and T9.

6.2.2 Analytical Results

The soil samples collected from the Site were analyzed by a California Department of Health Services (CDHS)-certified laboratory for the presence of total petroleum hydrocarbons-extended range (TPH) (gasoline, diesel, and motor oil carbon chain ranges) by modified United States Environmental Protection Agency (EPA) method 8015B. Selected soil samples collected in the vicinity of the UST were also analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) using EPA method 8020A.

Selected soil samples from the debris pit were analyzed for VOCs using EPA method 8260, organochlorine pesticides using EPA method 8081, Title 22 metals using EPA 6000/7000 series methods, polychlorinated biphenyls (PCBs) using EPA method 8082, and asbestos-containing materials (ACMs) using qualitative polarized light microscopy (PLM). Soil sample analytical results are summarized in Tables I and II. Copies of the laboratory reports are included in Appendix F.

Adjacent to the commercial building

TPH as gasoline (TPHg) was not detected at or above the laboratory detection limits in any of the soil samples obtained from trenches T1 and T2. TPH as diesel (TPHd) was detected at 2 feet in both T1 and T2 at concentrations of 150 milligrams per kilogram (mg/kg) and 250 mg/kg, respectively. TPH as motor oil (TPHmo) was detected in both T1 and T2 ranging from 14 mg/kg (T2 at 4 feet) to 590 mg/kg (T2 at 2 feet).

Metallic anomaly in west-central portion of site

TPHg was not detected at or above laboratory detection limits in the soil samples collected from trench T3. TPHd and TPHmo were detected at concentrations of 29 mg/kg and 75 mg/kg, respectively, at a depth of 2 feet. TPHd and TPHmo were not detected at or above laboratory detection limits at a depth of 4 feet.

Gravel lot in south-central portion of site

With the exception of sample T6-2, concentrations of TPH were not detected at or above the laboratory detection limits in any of the soil samples obtained from T6, T7, or T8. Soil sample T6 at 2 feet exhibited TPHd and TPHmo at concentrations of 170 mg/kg and 400 mg/kg, respectively.

UST in southwestern portion of site

Concentrations of TPHg, TPHd, and/or TPHmo were detected in all 8 trench soil samples from the UST area (Figures 6 and 7). TN-1-8 exhibited the highest concentrations of petroleum hydrocarbons, as follows:

- 470 mg/kg of TPHg
- 5,200 mg/kg of TPHd
- 2,300 mg/kg of TPHmo
- 0.99 mg/kg of benzene, 0.48 mg/kg of toluene, 0.36 mg/kg of ethylbenzene, and 0.61 mg/kg of xylenes

TPHg and BTEX were not detected at or above the laboratory detection limit in any of the soil samples selected for analyses from soil borings GB1 through GB5. Concentrations of TPHd were detected in 6 of 26 soil boring samples selected for analyses, ranging from 11 mg/kg in GB1-6.5 to 370 mg/kg in GB3-10.5.

TPHg, BTEX, and the fuel oxygenate methyl tertiary butyl ether (MTBE) were not detected at or above the laboratory detection in the water sample T1-WATER collected from the UST. TPHd and TPHmo were detected at concentrations of 2.6 mg/l and 3.8 mg/l, respectively. Soil sample analytical results are summarized in Tables I and II and water sample analytical results are summarized in Table III.

Debris pit in southeast portion of site

Concentrations of TPHg, TPHd, and/or TPHmo were detected in 2 of the 5 trench soil samples collected from the debris pit (Figures 8 and 9). EXC-1-4 exhibited the highest concentrations of petroleum hydrocarbons, as follows:

- 33 mg/kg of TPHg
- 81 mg/kg of TPHd
- 140 mg/kg of TPHmo
- 0.160 mg/kg of toluene, 0.025 mg/kg of ethylbenzene, and 0.51 mg/kg of xylenes

Soil sample EXC-1-4, which exhibited the highest TPH concentrations, was also analyzed for organochlorine pesticides, CCR Title 22 metals, PCBs, and ACMs. Concentrations of organochlorine pesticides and PCBs were not detected at or above the laboratory detection limits. No visible asbestos was present in the sample. Barium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc were detected in the soil sample at concentrations of 92 mg/kg, 17 mg/kg, 11 mg/kg, 22 mg/kg, 5.3 mg/kg, 6.4 mg/kg, 51 mg/kg, and 51 mg/kg, respectively. Reported concentrations of CCR Title 22 metals are within typical background ranges in soil in southern California (Bradford, 1996). The remaining CCR Title 22 list metals were not detected at or above the laboratory detection limits.

Low concentrations of TPHd, TPHmo, benzene, toluene, and xylenes were detected in EXC-1 at 3 feet. Concentrations of TPH and VOCs were not detected at or above the laboratory detection limits in any of the soil samples obtained from EXC-2, EXC-3, or EXC-4. VOCs was not detected at or above the laboratory detection limits in any of the soil samples collected from soil borings GB6 through GB9. Soil sample analytical results are summarized in Tables I and II.

7. ASBESTOS AND LEAD-CONTAINING PAINT

On May 6 and 7, 2004, Masek Consulting Services, Inc. performed an ACM and lead-containing paint (LCP) survey of the building located at the Site. The purpose of the survey was to assess if building materials contain sources of ACM and/or LCP that could potentially affect future renovation activities proposed for the Site. A reproduction of the survey report is included as Appendix G.

No ACMs or LCP were identified in the commercial building. Homogeneous areas of ACMs and LCP were detected in the following areas of the residential structures:

ACM	
Material	**Location**
The 9 inch by 9 inch vinyl floor tile and mastic adhering it underneath the carpet and under other layers of flooring.	Four single-family residences (11743, 11745, 11747, and 11749 Woodside Avenue) occupying the northeastern portion of the Site.
Window putty.	Four single-family residences.

ACM	
Material	**Location**
Plastic roof cement spots.	Four single-family residences.
Three asbestos cement water heater flue pipes.	The single-family residences located at 11743, 11745, and 11747 Woodside Avenue.
Mastic underneath the 12 inch by 12 inch floor tile and underneath the linoleum below the floor tile.	Kitchen of the single-family residence located at 11721 Woodside Avenue.
The 9 inch by 9 inch vinyl floor tile, mastic adhering it, and tar paper underneath it below the carpet.	Bathroom of the single-family residence located at 11721 Woodside Avenue.
Plastic roof cement spots.	The single-family residence and garage located at 11721 Woodside Avenue.

LCP	
Material	**Location**
Exterior wood.	Four single-family residences.
Interior side of the back door.	Laundry room of the single-family residence located at 11743 Woodside Avenue.
Exterior wood.	The single-family residence and garage located at 11721 Woodside Avenue.
Green paint on the interior plywood walls and storage cabinet.	The garage located at 11721 Woodside Avenue.
Yellow and brown ceramic counter top and wall tile.	Kitchen of the single-family residence located at 11721 Woodside Avenue.
Metal sewer pipe.	The single-family residence located at 11721 Woodside Avenue.
Gray and maroon ceramic counter top and wall ceramic tile.	Bathroom of the single-family residence located at 11721 Woodside Avenue.

8. SUMMARY OF FINDINGS

The Site was formerly used for residential, ranch, agricultural, commercial, and light-industrial purposes and is currently developed with vacant one-story buildings including a sheet-steel commercial building, a main residence, and four single-family residences. Vacant and naturally vegetated areas, enclosed with chain-link fencing, occupy the southeastern, southwestern, and western portions of the Site. No significant odors, pools of liquid, drums, significantly stained soil, distressed vegetation, ASTs, pits, or ponds were observed at the visibly accessible portions of the Site.

The main residence is a wood-frame structure with a detached garage. The building has reportedly been used for residential, office, and storage purposes from the time of its construction (prior to the late 1920s) to around 2002, when the property was vacated. ACMs were detected in the floor tile, flooring mastic, plastic roof cement spots, and tar paper underneath the flooring within the residence at 11721 Woodside Avenue. LCP was detected on the exterior wood, the interior plywood walls and storage cabinet, a ceramic counter top and wall tile, a metal sewer pipe, and on a ceramic countertop and ceramic wall tile in the residence and/or in the garage at 11721 Woodside Avenue. Areas of minor

petroleum hydrocarbon staining were observed on the concrete floor of the garage interior, along the eastern exterior garage wall and on an approximately 55 feet by 60 feet concrete pad (formerly the location of a Quonset hut) located approximately 25 feet southeast of the main residence.

Four wood-frame residential structures built between 1928 and 1953 occupy the northeastern portion of the Site. Paint containers were observed in the residences. Splattered paint was observed outside of the eastern wall of the residence at 11745 Woodside Avenue, on the southeastern portion of the driveway, and within the residence at 11747 Woodside Avenue. Homogeneous areas of ACMs were detected in the four residences including the floor tile, flooring mastic, window putty, and plastic roof cement spots. Three asbestos cement water heater flue pipes are located within the residences at 11743, 11745, and 11747 Woodside Avenue. LCP was detected on the exterior wood of all four residences and on the interior side of the back laundry room door within the residence at 11743 Woodside Avenue.

The commercial building occupying the northwestern portion of the Site consists of office space, restroom facilities, and two warehouses constructed between 1953 and 1966. Geocon observed a floor drain and a sanitary clean-out within an asphalt-bermed area outside of the southeastern corner of the commercial building. A metal pipe appears to originate from beneath the floor surface in the building interior and extends through the roof at the southeastern corner of the building. No ACMs or LCP were identified in the commercial building.

The commercial building has reportedly been occupied by tenants including a street oiling company, Y Tire Sales, Inc., Lakeside Motors, Professional Garage Doors, and a barbeque assembly and sales company from the mid-1950s to approximately 2002. The street oiling company reportedly operated a gasoline dispenser at the southwestern portion of the Site. The dispenser was presumably connected to the UST encountered during Geocon's limited subsurface investigation. The asphalt-bermed area was reportedly used by Lakeside Motors for washing cars. Water run-off in this area was reportedly collected in a clarifier connected to the sanitary sewer system beneath the floor drain.

Trucking companies and construction companies previously occupied temporary buildings and parking areas at the Site in the 1990s and early 2000s. Additional structures, no longer onsite, occupied the Site from at least the late 1920s to the late 1990s.

A mound of gravel and two cylindrical concrete structures were observed in the vacant lot south of the four residences. The structure was identified by the owner of the Site as an unused water weir. Based on visual observations, the structure appears to be abandoned standpipes related to former crop irrigation activities. An approximately 12-foot square asphalt patch was observed approximately 100 feet northwest of the irrigation structure.

A review of regulatory databases indicated that former occupants of the Site, Lakeside Motors and Y Tire Sales were listed on the LUST database for an unauthorized release of diesel fuel that reportedly affected "soil only." The database indicated both a "remedial action underway" and "case closed" status on March 17, 1995. DEH records indicate that the release involved leaking 55-gallon drums containing waste oil that affected the soil immediately southwest of the commercial building. Remedial activities performed included excavating a 10 feet by 15 feet area to approximately 6 feet below ground in the contaminated area, collecting and analyzing over 20 soil samples, and removing and disposing approximately 40,000 pounds of contaminated soil. The DEH indicated in a letter dated August 22, 1995 that no further action was required regarding the unauthorized release. Lakeside Motors and Truck World were also listed on the PERMITS database.

DEH records reviewed for 11721 Woodside Avenue indicate that a complaint was made to the DEH on August 30, 1993 by an anonymous person for the Truck World facility. The nature of the complaint alleged that an abandoned leaking UST, formerly operated by Truck World, was reportedly located in a vacant field east of 11719 Woodside Avenue. Evidence of a UST was not observed during an inspection performed by the DEH on September 13, 1993. A diagram included in the file sketched by DEH personnel based on the anonymous complaint suggested that a 10,000-gallon UST and two 2,000-gallon USTs may occupy the southeastern and southwestern portions of the Site, respectively. The complaint was investigated by the DEH who found no evidence of the alleged USTs, and no further information appears in the file. Based on surface utility/structure surveys conducted by Geocon in the areas presumed to be discussed in the DEH file, no anomalies suggestive of man-made objects were detected.

Two properties located within an approximately ⅛-mile radius of the Site are listed on the regulatory database. Lakeside Middle School, located at the adjacent property to the east, is listed on the RCRA GEN database as an SQG. Student Transportation Facility, located at the adjacent property to the south, is listed on the PERMITS database for generating hazardous waste, storing hazardous substances, and for administrative violations. Based on the presumed depth and flow of groundwater in the area and the apparent distance and status of the listings of the properties listed on the regulatory databases, significant adverse impacts from the offsite properties listed on the databases is not expected at the Site. Additionally, based on observations of offsite properties during the site reconnaissance, Geocon did not observe physical evidence to suggest that offsite properties have impacted the Site with hazardous wastes or materials.

Based upon information provided by the property owner and provided in regulatory agency files, Geocon performed a Phase II investigation to assess the potential presence of USTs, petroleum hydrocarbons, and/or other RECs in the exterior portions of the Site. Geocon conducted a subsurface utility/structure survey, excavated trenches, drilled borings, and collected soil samples for laboratory analyses. The findings of the Phase II are summarized as follows.

- Trenches T1 and T2 were excavated in the vicinity of a reported soil excavation adjacent to the southwestern corner of the building at 11719 Woodside Avenue. Well-sorted crushed rock was encountered in the eastern portion of trench T2 to the maximum depth excavated (approximately 6.5 feet). TPHd was detected at 2 feet in both T1 and T2 at concentrations of 150 mg/kg and 250 mg/kg, respectively. TPHmo was detected at concentrations of 400 mg/kg and 590 mg/kg, respectively.

- Trench T3 was excavated in the vicinity of a detected metallic anomaly in a fenced lot south of the building at 11719 Woodside Avenue. A thin, steel, apparently abandoned, water pipe was encountered approximately two feet below ground surface in the southern portion of trench T3. TPHg was not detected in trench T3. Minor concentrations of TPHd and TPHmo were detected at 2 feet.

- Trenches T6, T7, and T8 were excavated in a gravel lot in the central portion of the Site. With the exception of sample T6-2, concentrations of TPH were not detected at or above the laboratory detection limits in any of the soil samples obtained from T6, T7, or T8. The soil sample T6 at 2 feet exhibited TPHd and TPHmo at concentrations of 170 mg/kg and 400 mg/kg, respectively.

- A UST is located approximately 1 foot below ground surface in the southwestern portion of the Site. The UST is approximately 4 feet in diameter by 8 feet long with an approximately 750-gallon capacity. The top of the UST appears to be partially crushed and liquid (apparently water) was observed in an opening near the crushed area.

  Petroleum hydrocarbons in the diesel and motor oil range in excess of 100 mg/kg appear to extend vertically approximately 12 to 14 feet below ground surface (or approximately 7 to 9 feet below the bottom of the UST). The benzene concentration at 8 feet is approximately 1.0 mg/kg. TPH in the diesel range less than 100 mg/kg was detected at 16 and 19.5 feet in GB3 (51 mg/kg and 13 mg/kg, respectively). Petroleum hydrocarbons appear to extend laterally approximately 2 to 3 feet west of the western tank edge and decreases to below laboratory detection limits in all directions away from the UST.

  TPHg, BTEX, and MTBE was not detected at or above the laboratory detection in the water sample collected from within the UST. TPHd and TPHmo were detected at concentrations of 2.6 mg/l and 3.8 mg/l, respectively.

- A debris pit is located in the vicinity of an asphalt patch in the southeast portion of the Site. Odors suggestive of petroleum hydrocarbons and garbage were detected at approximately 1½ to 3 feet below ground surface. Trash and debris including 1-gallon and 5-gallon paint containers, bottles, glass jars, metal pipes, hoses, and wood debris were encountered in the debris pit.

  Based upon trenching observations, the debris pit appears to comprise an area approximately 8 feet long and 6 feet wide and is approximately 5 feet deep. Sample EXC-1-4, collected in the central portion of the debris pit, exhibited the highest concentrations of petroleum hydrocarbons, including 33 mg/kg TPHg, 81 mg/kg TPHd, 140 mg/kg TPHmo, 0.160 mg/kg toluene, 0.025 mg/kg ethylbenzene, and 0.51 mg/kg xylenes. Organochlorine pesticides and PCBs were not detected at or above the laboratory detection limits in sample EXC-1-4, and no visible asbestos was present in the sample. Reported concentrations of CCR Title 22 metals in sample EXC-1-4 are within typical background ranges in soil in southern California. BTEX

were not detected at or above the laboratory detection limits in any of the soil samples collected from soil borings around the debris pit.

9. CONCLUSIONS

Based on the findings presented herein, RECs identified at the Site are as follows:

- An approximately 750-gallon capacity, 8-foot long by 4-foot diameter UST was encountered at the southwestern portion of the Site during trenching activities. Sampling conducted beneath and around the UST indicate the presence of petroleum hydrocarbons in soil beneath the tank. The lateral extent of hydrocarbons in soil has been adequately assessed to a depth of approximately 20 feet. The vertical extent of hydrocarbons in soil beneath the tank has not been assessed beyond 8 feet below the bottom of the tank, or approximately 20 feet below ground surface. The assessment of groundwater was not within the scope of services for this investigation.

- An approximately 8 feet by 6 feet by 7 feet deep pit was encountered in the southeast portion of the Site. Paint containers, bottles, glass jars, metal pipes, hoses, and wood debris were observed in the pit. The lateral and vertical extent of the debris pit appears to be adequately assessed. Minor concentrations of VOCs were detected in two samples collected from trenches excavated through the pit. No further assessment of this area appears to be warranted.

- Concentrations of TPH as diesel and motor oil were detected in soil samples collected from trenches T1 through T3 and T6 through T8. Soil containing TPH appears to be near-surface in these areas and is likely the result of incidental minor surface spills and leaks or related to historical vehicle usage/storage. Additional investigation in these areas does not appear to be warranted.

10. RECOMMENDATIONS

Geocon recommends the following activities to address the RECs identified at the Site:

- The UST should be removed in accordance with County of San Diego DEH guidelines. Volume of soil containing TPH to be excavated and disposed from the UST area is approximately 10 feet by 12 feet by 15 feet, or approximately 100 tons. For budgeting purposes, transportation and disposal fees for soil containing petroleum hydrocarbons range from $55 per ton (classified as nonhazardous waste) to $75 per ton (classified as hazardous non-RCRA waste), or approximately $5,500 to $7,500. Costs associated with tank disposal, liquid disposal, permitting, report writing, and backfilling with imported fill are approximately $5,000. The total cost associated with the UST removal is estimated to be $13,000.

- Trash and debris should be excavated from the debris pit and disposed of in accordance with applicable laws and regulations. Approximately 22 tons of debris and soil should be excavated and disposed in accordance with regulatory guidelines.

- ACMs and LCP were identified in the residential structures. ACMs and LCP should be abated in accordance with applicable laws and regulations. Actual abatement costs will require bids from qualified and reputable abatement contractors. For budgeting purposes, abatement cost of identified ACM and LCP in the onsite structures is approximately $15,000, which includes abatement activities and consulting oversight/reporting.

- If removal or abandonment of the apparent irrigation standpipe is proposed, the structure should be removed or abandoned in accordance with applicable laws and regulations.

- Containers of chemical products observed in the abandoned residential structures should be removed from the Site and disposed in accordance with applicable laws and regulations.

11. LIMITATIONS

The preliminary conclusions presented in this report are based upon reasonable visual observations made at the Site and research of available materials within the scope and budget of the contract. The information presented is relevant to the dates of our site visit and should not be relied upon to represent conditions at later dates. The opinions expressed herein are based on our experience with similar studies and information obtained during our effort. If additional information becomes available, we request the opportunity to review the information and modify our opinions, if necessary.

The visual observations made by Geocon were limited to accessed portions of the Site and publicly accessible portions of the adjacent properties. Subsurface exploration, soil and groundwater sampling, and analytical laboratory testing were not within the scope of this study. The Phase I/Phase II ESA at the Site was conducted by Geocon expressly and solely for Silver Sage Properties, LLC. Any reliance upon the information, conclusions, or recommendations contained in this report for purposes other than the transfer of the subject property shall be at the sole risk of the party undertaking such use.

The ACM and LCP survey was conducted for inclusion in this Phase I/Phase II ESA report and cannot be used as a pre-demolition level survey. The ACM and LCP samples were obtained from readily accessible areas of the buildings only. Destructive sampling (breaking walls and other structural members) would be necessary to assess the full extent of ACM inside the buildings (for example, asbestos pipe insulation).

Our services have been conducted using the degree of care and skill ordinarily exercised, under similar circumstances, by environmental sciences consultants practicing in this or similar localities. No other warranty, express or implied, is made as to the professional opinions presented in this report. Geocon is not responsible for the conclusions, opinions, or recommendations made by others based on this information.

This report was compiled based partially on information supplied to Geocon from outside sources, other information that is in the public domain and visual observations made at the property. The preliminary conclusions and recommendations herein are based solely on the information Geocon obtained in compiling the report. Geocon makes no warranty as to the accuracy of statements made by others which may be contained in the report, nor are any other warranties or guarantees, express or implied, included or intended by the report except that it has been prepared in accordance with the current generally accepted practices and standards consistent with the level of care and skill exercised

under similar circumstances by other professional consultants or firms performing the same or similar services. None of the work performed hereunder shall constitute or be represented as a legal opinion of any kind or nature, but shall be a representation of findings of fact from records examined.

This evaluation does not address the presence of the following conditions unless specifically stated otherwise:

- Radon, electromagnetic fields, mold, household hazardous waste, lead in drinking water, methane gas, burn ash, and wetlands.
- Chemical compounds which naturally occur in the environment.
- Contaminants or contaminant concentrations that are not currently a concern but may be under future regulatory standards.

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SOURCE: 2004 THOMAS BROS. MAP DIGITAL EDITION
SAN DIEGO COUNTY, CALIFORNIA

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N

Approximate Scale
1 in. = 1,650 ft.

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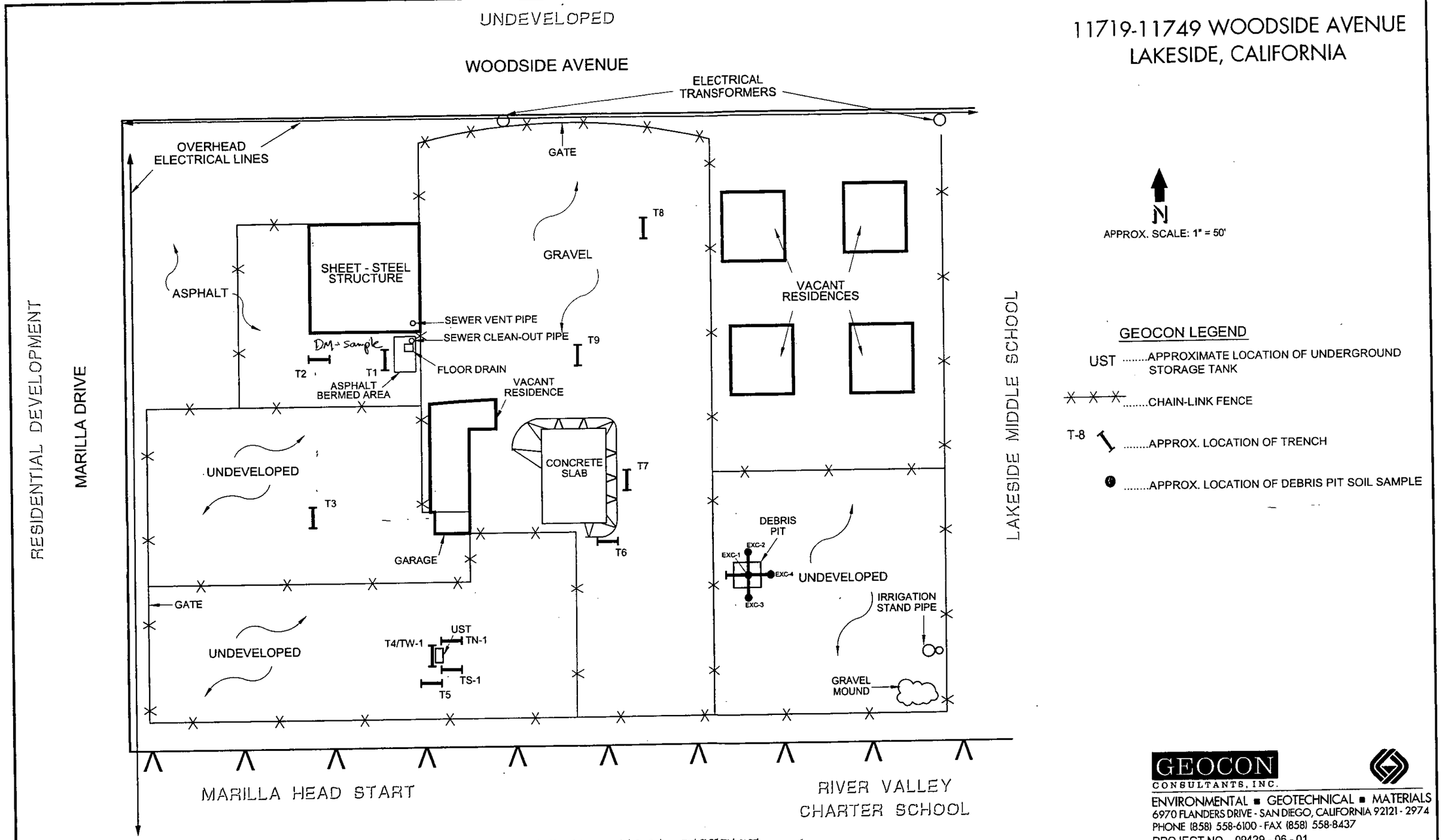
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VICINITY MAP

11719-11749 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA

DATE: 7-20-2004	PROJECT NO. 09429-06-01	FIG. 1

11719-11749 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA



N

APPROX. SCALE: 1" = 50'

GEOCON LEGEND

UST .....APPROXIMATE LOCATION OF UNDERGROUND STORAGE TANK

.....CHAIN-LINK FENCE

T-8 .....APPROX. LOCATION OF TRENCH

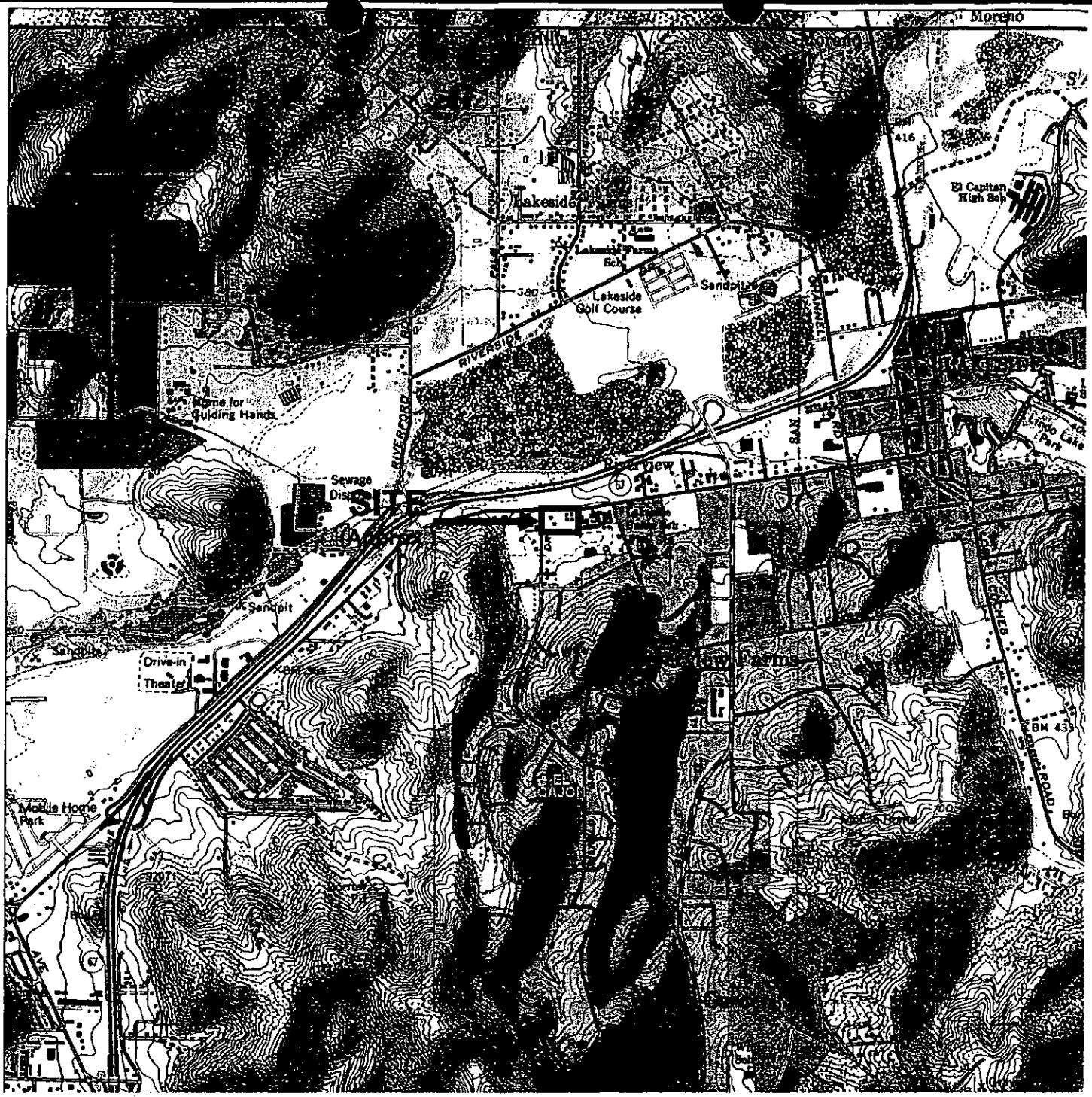
.....APPROX. LOCATION OF DEBRIS PIT SOIL SAMPLE

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PROJECT NO. 09429 - 06 - 01
FIGURE 2
DATE 07 - 20 - 2004

SITE PLAN

Miccala/Drawings/Environmental/09429-06-02(Woodside Ave.)/Site Plan



SOURCE: USGS QUADRANGLE MAP DIGITAL EDITION
EL CAJON, CALIFORNIA QUADRANGLE
1967 PHOTOREVISED 1975

N

Approximate Scale: 1 In. = 2,160 ft.

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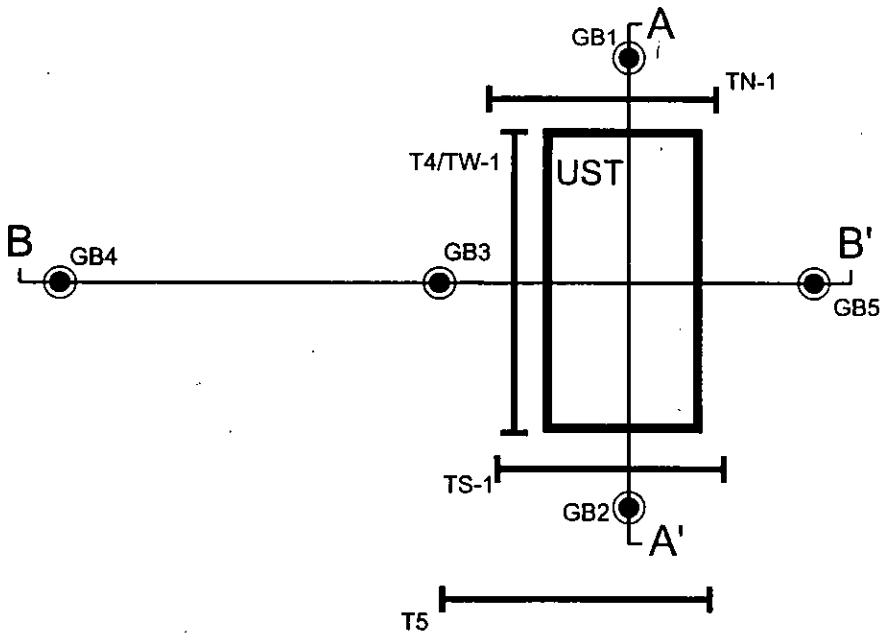
ETM:sc

TOPOGRAPHIC MAP

11719-11749 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA

DATE: 7-20-2004	PROJECT NO. 09429-06-01	FIG. 3

11719-11749 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA



N

APPROX. SCALE: 1" = 5'

GEOCON LEGEND

UST .....UNDERGROUND STORAGE TANK

GB1 .....APPROX. LOCATION OF SOIL BORING

TN-1 .....APPROX. LOCATION OF TRENCH

A A' .....APPROX. LOCATION OF CROSS-SECTION

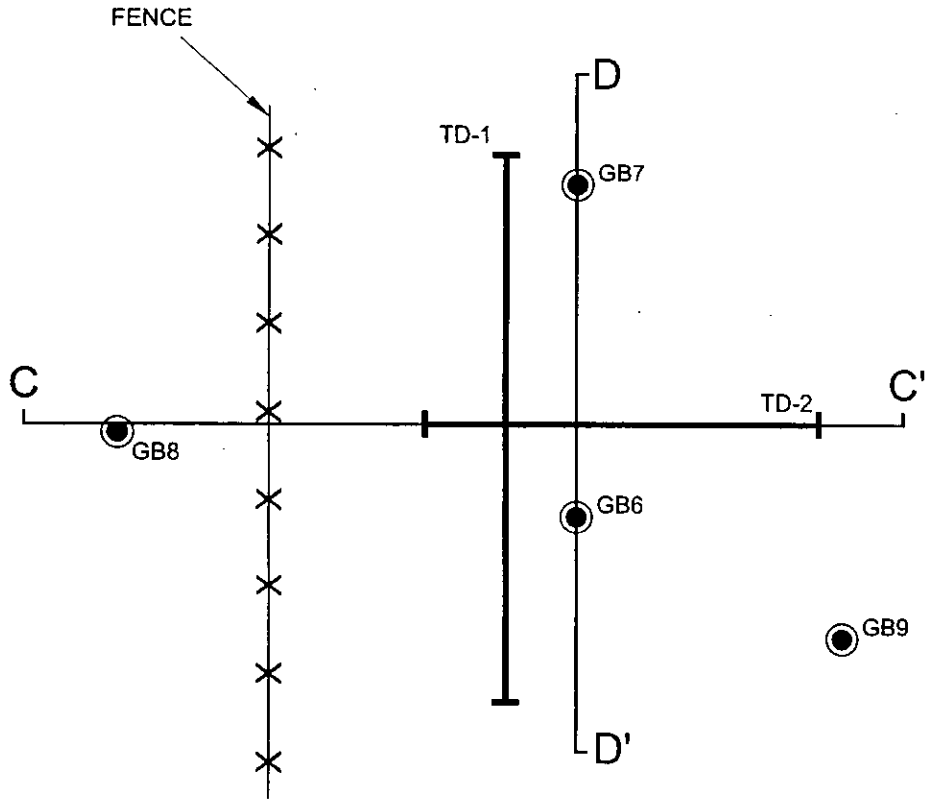
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PROJECT NO. 09429 - 06 - 01
FIGURE 4
DATE 07 - 20 - 2004

DETAIL VIEW - EXISTING UST

Micaela\Drawings\Environmental\09429-06-01(Woodside Ave.)\Existing UST

11719-11749 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA



N

APPROX. SCALE: 1" = 5'

GEOCON LEGEND

GB6 ● .....APPROX. LOCATION OF SOIL BORING

TD-1 .....APPROX. LOCATION OF TRENCH

C C' .....APPROX. LOCATION OF CROSS-SECTION

DETAIL VIEW - DEBRIS PIT

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PROJECT NO. 09429 - 06 - 01
FIGURE 5
DATE 07 - 20 - 2004

Micaela\Drawings\Environmental\09429-06-01(Woodside Ave.)\Debris Pit

11719-11749 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA

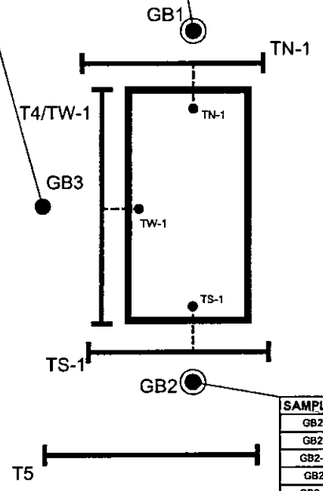
N

APPROX. SCALE: 1" = 5'

SAMPLE ID	TPHg	TPHd	TPHmo	B	T	E	X
GB1-6.5	<10	11	--	<0.05	<0.05	<0.05	<0.15
GB1-8.5	<10	<10	--	<0.05	<0.05	<0.05	<0.15
GB1-10.5	<10	21	--	<0.05	<0.05	<0.05	<0.15
GB1-12.5	<10	<10	--	<0.05	<0.05	<0.05	<0.15
GB1-16	<10	<10	--	<0.05	<0.05	<0.05	<0.15
GB1-19	<10	<10	--	<0.05	<0.05	<0.05	<0.15

SAMPLE ID	TPHg	TPHd	TPHmo	B	T	E	X
GB3-6	<10	<10	--	--	--	--	--
GB3-8.5	<10	49	--	--	--	--	--
GB3-10.5	<10	370	--	--	--	--	--
GB3-12	<10	<10	--	--	--	--	--
GB3-16	<10	51	--	<0.05	<0.05	<0.05	<0.15
GB3-19.5	<10	13	--	--	--	--	--

SAMPLE ID	TPHg	TPHd	TPHmo	B	T	E	X
GB4-6.5	--	--	--	--	--	--	--
GB4-7.5	<10	<10	--	--	--	--	--
GB4-10.5	<10	<10	--	--	--	--	--
GB4-12.5	<10	<10	--	--	--	--	--
GB4-14.5	<10	<10	--	--	--	--	--
GB4-19.5	<10	<10	--	--	--	--	--



SAMPLE ID	TPHg	TPHd	TPHmo	B	T	E	X
GB5-6	--	--	--	--	--	--	--
GB5-7.5	<10	<10	--	--	--	--	--
GB5-9.5	--	--	--	--	--	--	--
GB5-11.5	<10	<10	--	--	--	--	--
GB5-15.5	<10	<10	--	--	--	--	--
GB5-19.5	<10	<10	--	--	--	--	--

GB5

SAMPLE ID	TPHg	TPHd	TPHmo	B	T	E	X
GB2-6.5	<10	<10	--	--	--	--	--
GB2-8.5	<10	<10	--	--	--	--	--
GB2-10.5	<10	<10	--	--	--	--	--
GB2-12	<10	<10	--	--	--	--	--
GB2-16.5	<10	<10	--	--	--	--	--
GB2-19.5	<10	<10	--	--	--	--	--

SAMPLE ID	TPHg	TPHd	TPHmo	B	T	E	X
TN1-8	470	5,200	2,300	0.99	0.48	0.36	0.61
TW1-6	37	4,800	2,000	0.0059	<0.005	0.033	0.079
TS1-7	1.3	370	260	<0.005	<0.005	<0.005	<0.005
T1-WATER	<0.2	2.6	3.8	<0.0005	<0.0005	<0.0005	<0.0005

GEOCON LEGEND

GEOCON GB1 OTHERS ..... APPROX. LOCATION OF SOIL BORING (By Geocon Consultants Inc.)

TN-1 ..... APPROX. LOCATIONS OF TRENCH SHOWING SOIL SAMPLE LOCATION

..... APPROX. LOCATION OF EXISTING UNDERGROUND STORAGE TANK (UST)

TPH .....TOTAL PETROLEUM HYDROCARBONS

TPHg .....TOTAL PETROLEUM HYDROCARBONS AS GASOLINE BY MODIFIED EPA METHOD 8015

TPHd .....TOTAL PETROLEUM HYDROCARBONS AS DIESEL BY MODIFIED EPA METHOD 8015

TPHmo .....TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL BY MODIFIED EPA METHOD 8015

BTEX .....BENZENE, ETHYLBENZENE, TOLUENE, AND XYLENES BY EPA METHOD 8021

RESULTS ARE IN MILLIGRAMS PER KILOGRAM (mg/kg)

-- .....NOT ANALYZED

<1.0 .....NOT DETECTED AT OR ABOVE THE LABORATORY DETECTION LIMIT

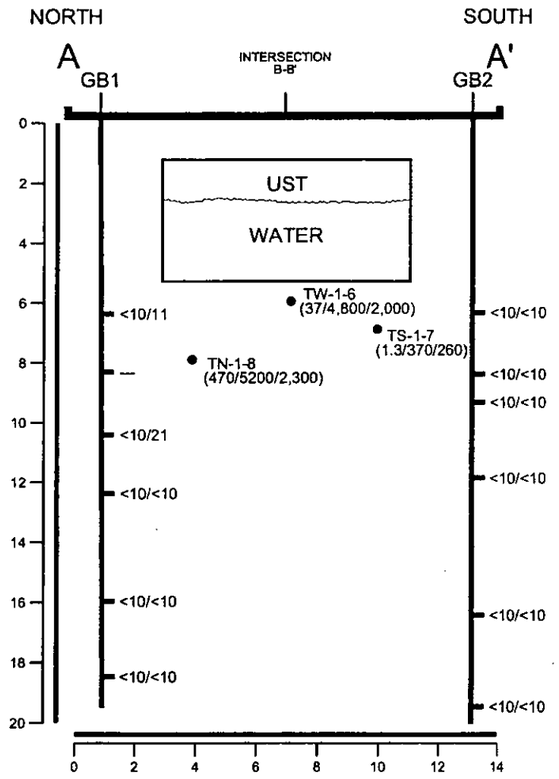
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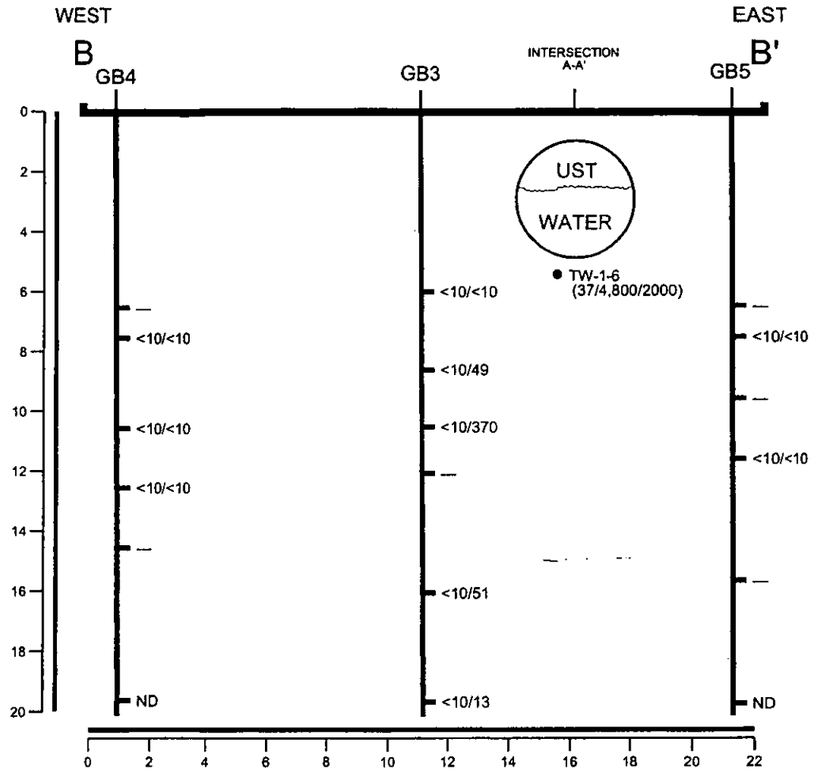
PROJECT NO. 09429 - 06 - 01
FIGURE 6
DATE 07 - 20 - 2004

SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES - EXISTING UST

Micaela\Drawings\Environmental\09429-06-01(Woodside Ave.)\Existing UST

11719-11749 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA





GEOCON LEGEND

GB3 ——— .....APPROX. LOCATION OF SOIL BORING SHOWING SOIL SAMPLE DEPTH AND RESULT FOR TPH (Gasoline/Diesel)

TW-1-6 (37/4,800/2,000) ● .....APPROX. LOCATION OF SOIL COLLECTED DURING TRENCHING SHOWING SOIL SAMPLE DEPTH AND RESULT FOR TPH (Gasoline/Diesel/Motoroil)

RESULTS ARE IN MILLIGRAMS PER KILOGRAM (mg/kg)

<10 .....NOT DETECTED AT OR ABOVE THE LABORATORY DETECTION LIMIT

— .....NOT ANALYZED

UST .....UNDERGROUND STORAGE TANK

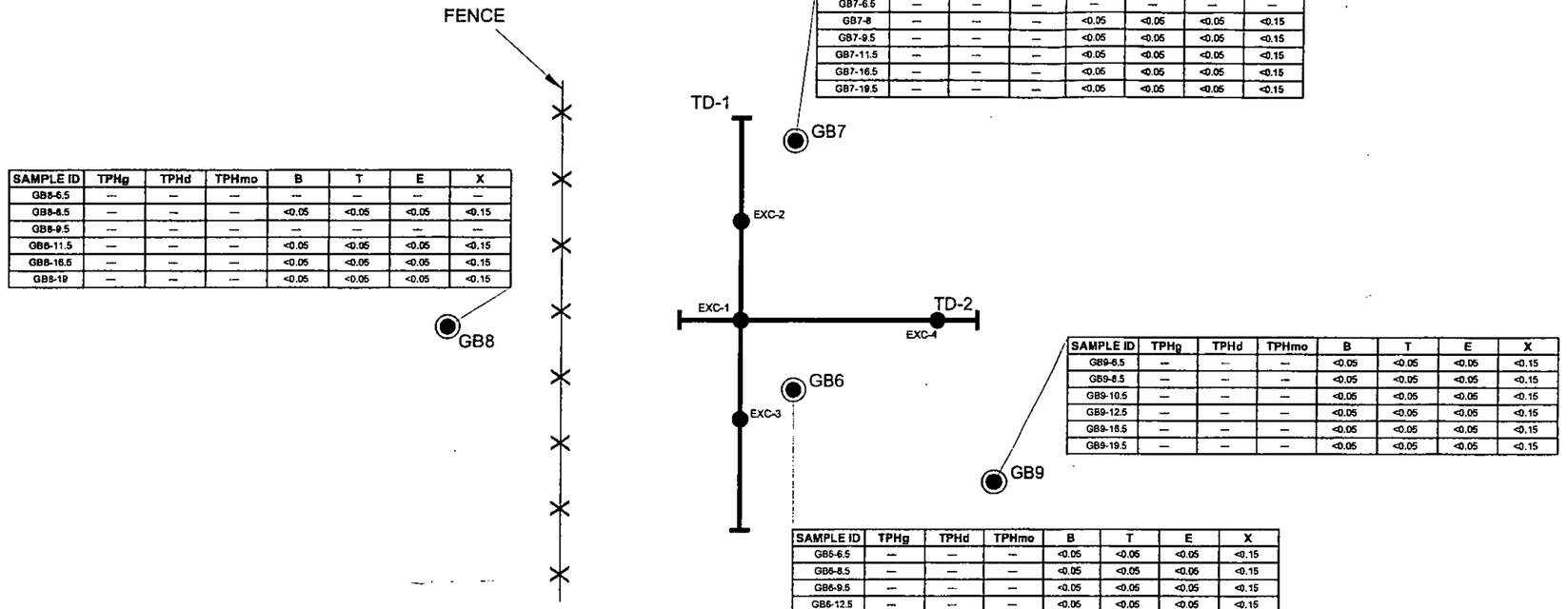
SCALE: 1" = 5'
HORIZONTAL = VERTICAL

LINES OF CROSS-SECTIONS
A-A' AND B-B' - EXISTING UST

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PROJECT NO. 09429 - 06 - 01
FIGURE 7
DATE 07 - 20 - 2004

Micaela\Drawings\Environmental\09429-06-01(Woodside Ave.)\Cross Sections

11719-11749 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA



SAMPLE ID	TPHg	TPHd	TPHmo	B	T	E	X
GB8-6.5	---	---	---	---	---	---	---
GB8-8.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB8-9.5	---	---	---	---	---	---	---
GB8-11.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB8-16.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB8-19	---	---	---	<0.05	<0.05	<0.05	<0.15

SAMPLE ID	TPHg	TPHd	TPHmo	B	T	E	X
GB7-6.5	---	---	---	---	---	---	---
GB7-8	---	---	---	<0.05	<0.05	<0.05	<0.15
GB7-9.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB7-11.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB7-16.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB7-19.5	---	---	---	<0.05	<0.05	<0.05	<0.15

SAMPLE ID	TPHg	TPHd	TPHmo	B	T	E	X
GB9-6.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB9-8.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB9-10.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB9-12.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB9-18.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB9-19.5	---	---	---	<0.05	<0.05	<0.05	<0.15

SAMPLE ID	TPHg	TPHd	TPHmo	B	T	E	X
GB6-6.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB6-8.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB6-9.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB6-12.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB6-16.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB6-19	---	---	---	<0.05	<0.05	<0.05	<0.15

SAMPLE ID	TPHg	TPHd	TPHmo	B	T	E	X
EXC-1-3	<1.0	20	14	0.06	0.038	<0.005	0.06
EXC-1-4	33	81	140	<0.025	0.16	0.025	0.51
EXC-2-5	<1.0	<10	<10	<0.005	<0.005	<0.005	<0.005
EXC-3-5	<1.0	<10	<10	<0.005	<0.005	<0.005	<0.005
EXC-4-5	<1.0	<10	<10	<0.005	<0.005	<0.005	<0.005

N

APPROX. SCALE: 1" = 5'

GEOCON LEGEND

GB6 ..... APPROX. LOCATION OF SOIL BORING (By Geocon Consultants Inc.)

EXC-1 / TD-1 ..... APPROX. LOCATIONS OF TRENCH SHOWING SOIL SAMPLE LOCATION (By Geocon Consultants Inc.)

TPH ..... TOTAL PETROLEUM HYDROCARBONS

TPHg ..... TOTAL PETROLEUM HYDROCARBONS AS GASOLINE BY MODIFIED EPA METHOD 8015

TPHd ..... TOTAL PETROLEUM HYDROCARBONS AS DIESEL BY MODIFIED EPA METHOD 8015

TPHmo ..... TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL BY MODIFIED EPA METHOD 8015

BTEX ..... BEZENE, ETHLBENZENE, TOLUENE, AND XYLENES BY EPA METHOD 8021

RESULTS ARE IN MILLIGRAMS PER KILOGRAM (mg/kg)

--- ..... NOT ANALYZED

<1.0 ..... NOT DETECTED AT OR ABOVE THE LABORATORY DETECTION LIMIT

SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES - DEBRIS PIT

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PROJECT NO. 09429 - 06 - 01
FIGURE 8
DATE 07 - 20 - 2004

Micaela\Drawings\Environmental\09429-06-01(Woodside Ave.)\Debris Pit

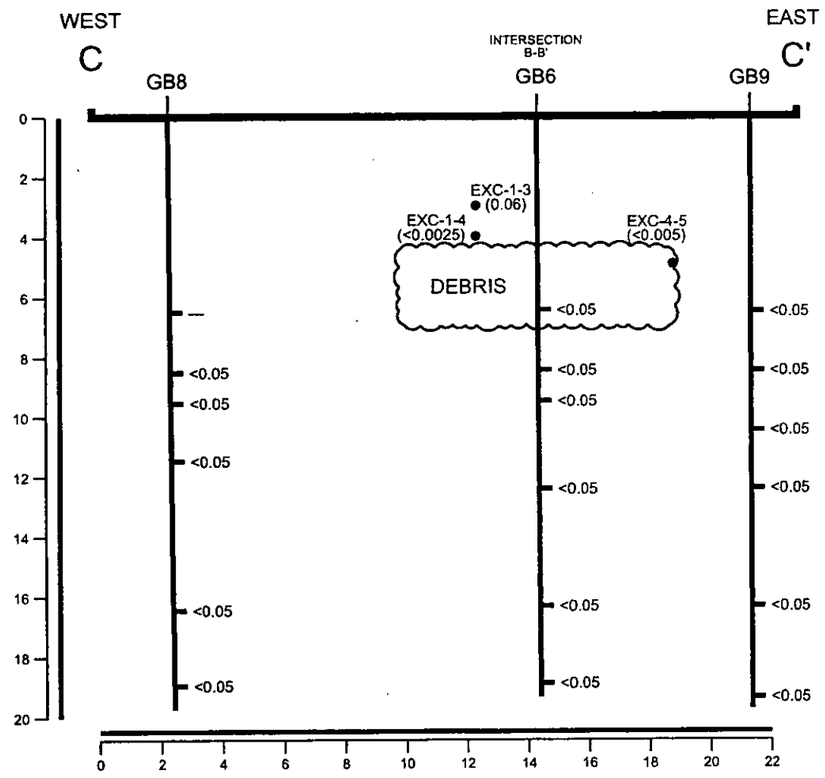
TABLE I
SUMMARY OF ANALYTICAL RESULTS – SOIL
TPHg, TPHd, TPHmo, AND BTEX
11719-11749 WOODSIDE AVENUE

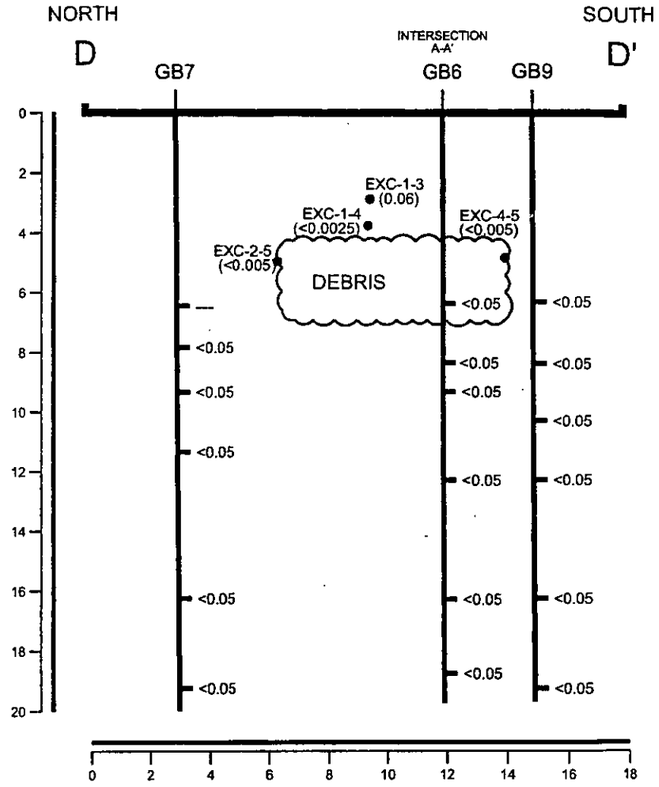
Sample ID	Depth (feet)	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethyl-benzene	Xylenes
T1-2	2	<1.0	**150**	**400**	---	---	---	---
T1-4	4	<1.0	<10	<10	---	---	---	---
T1-6	6	<1.0	<10	<10	---	---	---	---
T2-2	2	<1.0	**250**	**590**	---	---	---	---
T2-4	4	<1.0	<10	**14**	---	---	---	---
T2-6	6	<1.0	<10	<10	---	---	---	---
T3-2	2	<1.0	**29**	**75**	---	---	---	---
T3-4	4	<1.0	<10	<10	---	---	---	---
T4-2	2	<1.0	**96**	**230**	---	---	---	---
T4-4	4	<1.0	**100**	**230**	---	---	---	---
T4-6	6	<1.0	**14**	**17**	---	---	---	---
T5-2	2	<1.0	**49**	**170**	---	---	---	---
T5-4	4	<1.0	**14**	<10	---	---	---	---
T6-2	2	<1.0	**170**	**400**	---	---	---	---
T6-4	4	<1.0	<10	<10	---	---	---	---
T7-2	2	<1.0	<10	<10	---	---	---	---
T7-4	4	<1.0	<10	<10	---	---	---	---
T8-2	2	<1.0	<10	<10	---	---	---	---
T8-4	4	<1.0	<10	<10	---	---	---	---
TN-1-8*	8	**470**	**5,200**	**2,300**	**0.99**	**0.48**	**0.36**	**0.61**
TW-1-6*	6	**37**	**4,800**	**2,000**	**0.0059**	<0.005	**0.033**	**0.079**
TS-1-7*	7	**1.3**	**370**	**260**	<0.005	<0.005	<0.005	<0.005
EXC-1-3*	3	<1.0	**20**	**14**	**0.06**	**0.038**	<0.005	**0.06**
EXC-1-4*	4	**33**	**81**	**140**	<0.025	**0.160**	**0.025**	**0.51**
EXC-2-5*	5	<1.0	<10	<10	<0.005	<0.005	<0.005	<0.005
EXC-3-5*	5	<1.0	<10	<10	<0.005	<0.005	<0.005	<0.005
EXC-4-5*	5	<1.0	<10	<10	<0.005	<0.005	<0.005	<0.005
GB1-6.5	6.5	<10	**11**	---	<0.05	<0.05	<0.05	<0.15
GB1-8.5	8.5	<10	<10	---	<0.05	<0.05	<0.05	<0.15
GB1-10.5	10.5	<10	**21**	---	<0.05	<0.05	<0.05	<0.15
GB1-12.5	12.5	<10	<10	---	<0.05	<0.05	<0.05	<0.15
GB1-16	16	<10	<10	---	<0.05	<0.05	<0.05	<0.15
GB1-19	19	<10	<10	---	<0.05	<0.05	<0.05	<0.15
GB2-6.5	6.5	<10	<10	---	---	---	---	---
GB2-8.5	8.5	<10	<10	---	---	---	---	---
GB2-10.5	10.5	<10	<10	---	---	---	---	---
GB2-12	12	<10	<10	---	---	---	---	---
GB2-16.5	16.5	<10	<10	---	---	---	---	---
GB2-19.5	19.5	<10	<10	---	---	---	---	---
GB3-6	6	<10	<10	---	---	---	---	---
GB3-8.5	8.5	<10	**49**	---	---	---	---	---
GB3-10.5	10.5	<10	**370**	---	---	---	---	---
GB3-12	12	---	---	---	---	---	---	---

TABLE I (continued)
SUMMARY OF ANALYTICAL RESULTS – SOIL
TPHg, TPHd, TPHmo, AND BTEX
11719-11749 WOODSIDE AVENUE

Sample ID	Depth (feet)	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethyl-benzene	Xylenes
GB3-16	16	<10	51	---	<0.05	<0.05	<0.05	<0.15
GB3-19.5	19.5	<10	13	---	---	---	---	---
GB4-6.5	6.5	---	---	---	---	---	---	---
GB4-7.5	7.5	<10	<10	---	---	---	---	---
GB4-10.5	10.5	<10	<10	---	---	---	---	---
GB4-12.5	12.5	<10	<10	---	---	---	---	---
GB4-14.5	14.5	<10	<10	---	---	---	---	---
GB4-19.5	19.5	<10	<10	---	---	---	---	---
GB5-6	6	---	---	---	---	---	---	---
GB5-7.5	7.5	<10	<10	---	---	---	---	---
GB5-9.5	9.5	---	---	---	---	---	---	---
GB5-11.5	11.5	<10	<10	---	---	---	---	---
GB5-15.5	15.5	<10	<10	---	---	---	---	---
GB5-19.5	19.5	<10	<10	---	---	---	---	---
GB6-6.5	6.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB6-8.5	8.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB6-9.5	9.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB6-12.5	12.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB6-16.5	16.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB6-19	19	---	---	---	<0.05	<0.05	<0.05	<0.15
GB7-6.5	6.5	---	---	---	---	---	---	---
GB7-8	8	---	---	---	<0.05	<0.05	<0.05	<0.15
GB7-9.5	9.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB7-11.5	11.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB7-16.5	16.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB7-19.5	19.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB8-6.5	6.5	---	---	---	---	---	---	---
GB8-8.5	8.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB8-9.5	9.5	---	---	---	---	---	---	---
GB8-11.5	11.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB8-16.5	16.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB8-19	19	---	---	---	<0.05	<0.05	<0.05	<0.15
GB9-6.5	6.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB9-8.5	8.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB9-10.5	10.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB9-12.5	12.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB9-16.5	16.5	---	---	---	<0.05	<0.05	<0.05	<0.15
GB9-19.5	19.5	---	---	---	<0.05	<0.05	<0.05	<0.15

11719-11749 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA





GEOCON LEGEND

GB6 ..... APPROX. LOCATION OF SOIL BORING SHOWING SOIL SAMPLE DEPTH AND RESULT FOR BENZENE

EXC-2-5 (<0.05) ..... APPROX. LOCATION OF SOIL COLLECTED DURING TRENCHING SHOWING SOIL SAMPLE DEPTH AND RESULT FOR BENZENE

RESULTS ARE IN MILLIGRAMS PER KILOGRAM (mg/kg)

<0.05 ..... NOT DETECTED AT OR ABOVE THE LABORATORY DETECTION LIMIT

— ..... NOT ANALYZED

SCALE: 1" = 5'
HORIZONTAL = VERTICAL

LINES OF CROSS-SECTIONS C-C' AND D-D' - DEBRIS PIT

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PROJECT NO. 09429 - 06 - 01
FIGURE 9
DATE 07 - 20 - 2004

Micaela\Drawings\Environmental\09429-06-01(Woodside Ave.)\Cross Sections

TABLE I (continued)
SUMMARY OF ANALYTICAL RESULTS – SOIL
TPHg, TPHd, TPHmo, AND BTEX
11719-11749 WOODSIDE AVENUE

Notes:

TPH 8015	=	Total petroleum hydrocarbons as gasoline (g), diesel (d), and motor oil (mo) by modified EPA method
BTEX	=	Benzene, toluene, ethylbenzene, and xylenes by EPA method 8020A
<1.0	=	Not detected at or above the laboratory detection limit
---	=	Not analyzed
*	=	BTEX analyzed by EPA method 8260B (see Table II)

All units in milligrams per kilogram (mg/kg)

TABLE II
SUMMARY OF ANALYTICAL RESULTS – SOIL
VOCs BY EPA METHOD 8260B[1]
11719-11749 WOODSIDE AVENUE

Sample ID	Depth (feet)	Benzene	Toluene	Ethylbenzene	Xylenes	1,2,4-Trimethylbenzene	Naphthalene
TN-1-8	8	**0.99**	**0.48**	**0.36**	**0.61**	---	---
TW-1-6	6	**0.0059**	<0.005	**0.033**	**0.079**	---	---
TS-1-7	7	<0.005	<0.005	<0.005	<0.005	---	---
EXC-1-3	3	**0.06**	**0.038**	<0.005	**0.06**	<0.005	<0.005
EXC-1-4	4	<0.025	**0.160**	**0.025**	**0.51**	**0.12**	**0.064**
EXC-2-5	5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
EXC-3-5	5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
EXC-4-5	5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Notes:
VOCs = Volatile organic compounds
<0.005 = Not detected at or above the laboratory detection limit
--- = Not analyzed
[1] = Only analytes detected at least once are listed

All units in milligrams per kilogram (mg/kg)

TABLE III
SUMMARY OF ANALYTICAL RESULTS – WATER
TPHg, TPHd, TPHmo, BTEX, and MTBE
11719-11749 WOODSIDE AVENUE

Sample ID	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE
T1-Water*	<0.2	2.6	3.8	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

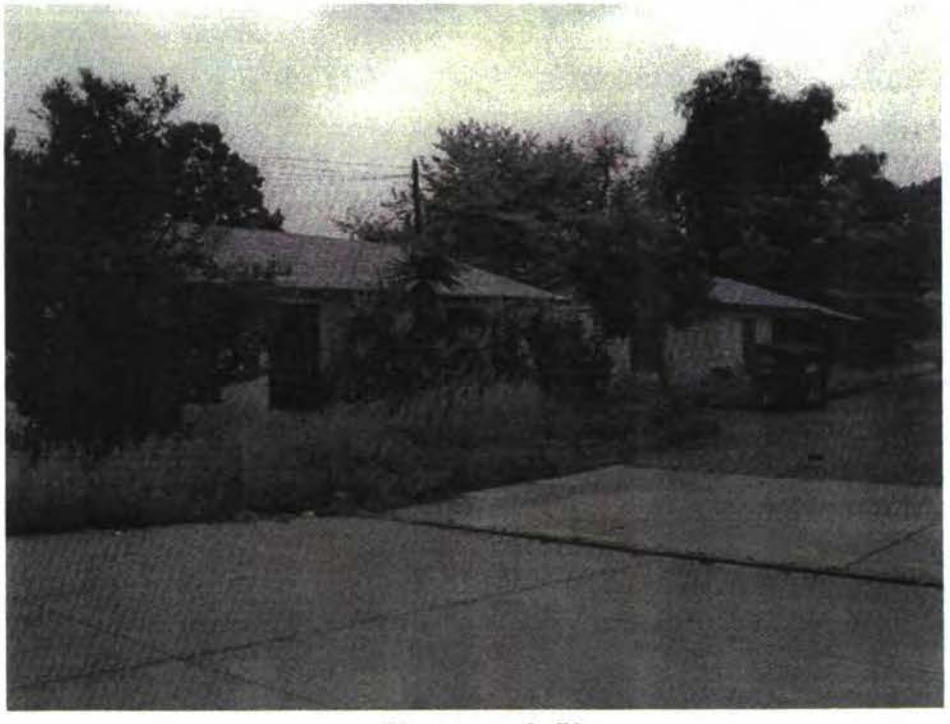
Notes:
TPH = Total petroleum hydrocarbons as gasoline (g), diesel (d), and motor oil (mo) by modified EPA method 8015
BTEX = Benzene, toluene, ethylbenzene, and xylenes by EPA method 8020A
MTBE = Methyl tertiary butyl ether (MTBE) by EPA method 8020A
<0.0005 = Not detected at or above the laboratory detection limit

All units in milligrams per liter (mg/l)

APPENDIX A



Photograph #1
View of abandoned residences (11743 and 11745 Woodside Avenue) occupying the northeastern portion of the Site.



Photograph #2
View of abandoned residences (11747 and 11749 Woodside Avenue) occupying the northeastern portion of the Site.

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SITE PHOTOGRAPHS

11719-11749 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA

PROJECT NO. 09429-06-01



Photograph #3
Spilled 1-gallon paint container located immediately east of the residence at 11745 Woodside Avenue.



Photograph #4
Spilled 1-gallon paint containers located within the residence at 11747 Woodside Avenue.

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11719-11749 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA

PROJECT NO. 09429-06-01



Photograph #5
Concrete pad located at the central portion of the Site.



Photograph #6
Northern elevation of the residence (11721 Woodside Avenue) occupying the central portion of the Site (main residence).

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11719-11749 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA

PROJECT NO. 09429-06-01



Photograph #7
Interior view of the garage of the main residence.



Photograph #8
Stained concrete located at the southeastern portion of the main residence.

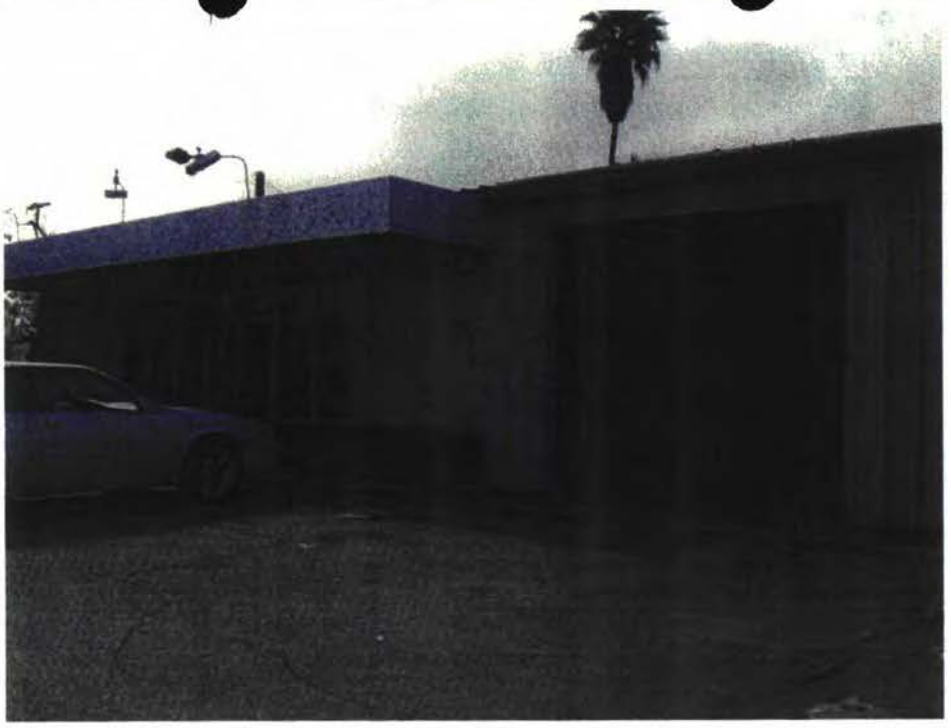
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11719-11749 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA

PROJECT NO. 09429-06-01



Photograph #9
Northern elevation of the vacant commercial building (11719 Woodside Avenue) occupying the northwestern portion of the site.



Photograph #10
Asphalt-bermed area and floor drain located outside of the southeastern corner of the commercial building.

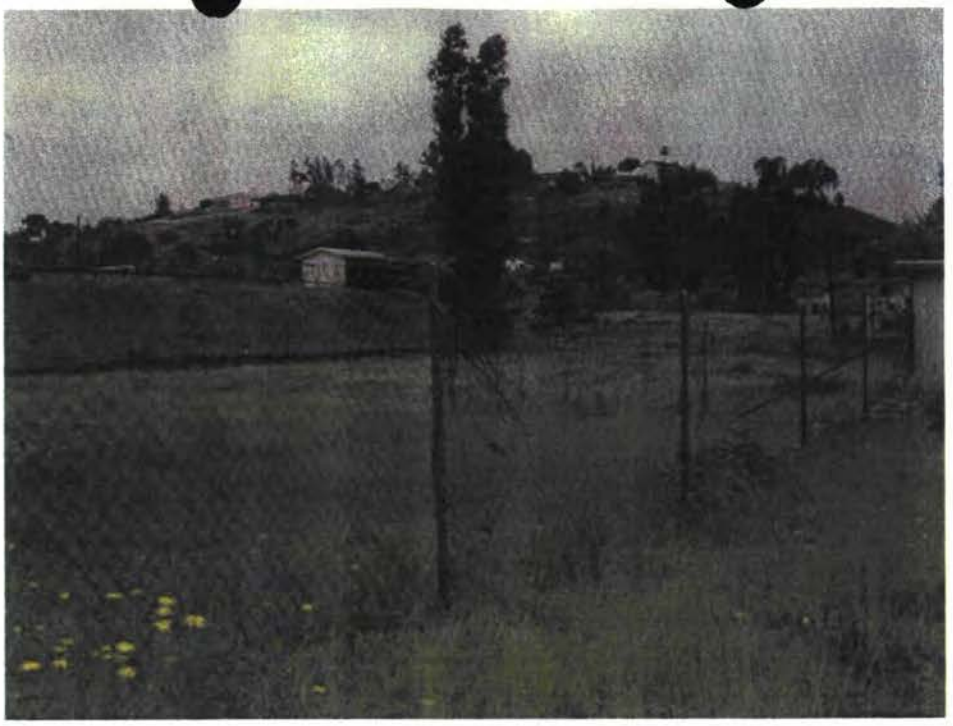
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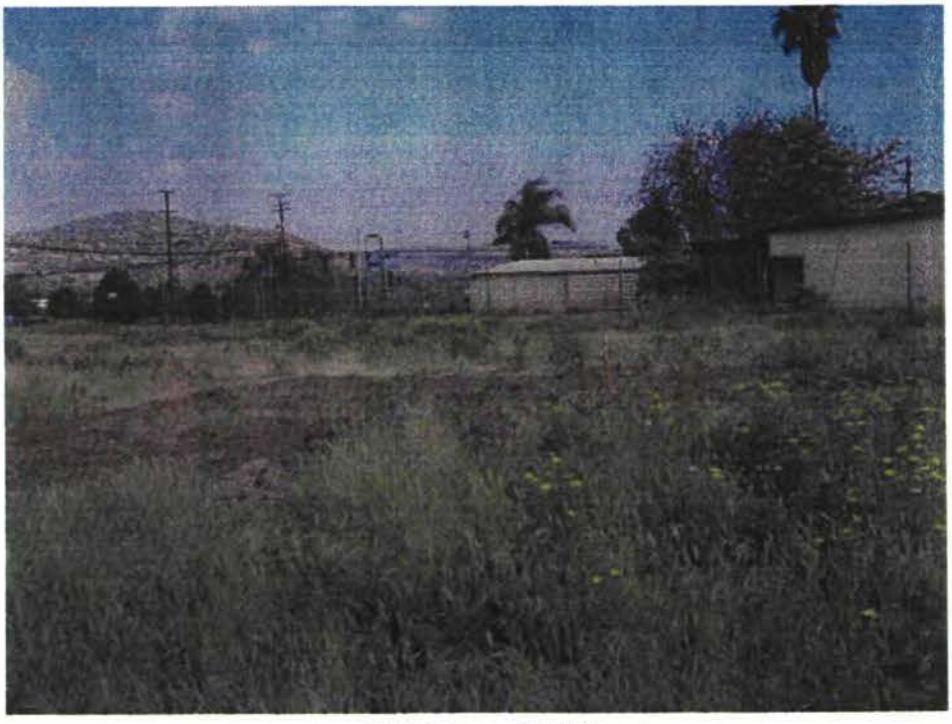
SITE PHOTOGRAPHS

11719-11749 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA

PROJECT NO. 09429-06-01



Photograph #11
Southwestern portion of the Site. View is from the central portion of the property looking southwest.



Photograph #12
Location of UST occupying the southwestern portion of the Site.

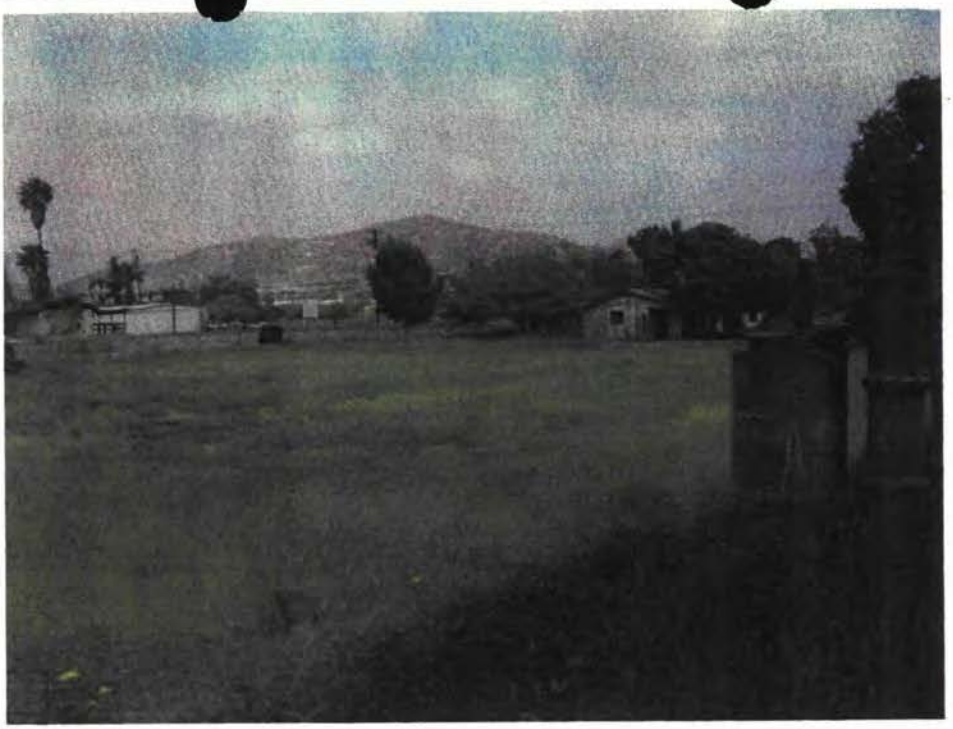
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SITE PHOTOGRAPHS

11719-11749 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA

PROJECT NO. 09429-06-01



Photograph #13
View of the southeastern portion of the Site from the southeastern property boundary looking northwest. Cement well is visible at the right side of the photograph.



Photograph #14
Mound of gravel located at the southeastern portion of the Site.

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SITE PHOTOGRAPHS

11719-11749 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA

PROJECT NO. 09429-06-01

APPENDIX B

TRACK ➤ INFO SERVICES, LLC

Environmental FirstSearch™ Report

TARGET PROPERTY:

11719-11749 WOODSIDE AVE

LAKESIDE CA 92040

Job Number: 094290601

PREPARED FOR:

GEOCON Consultants, Inc.

6970 Flanders Drive

San Diego, CA

06-30-04



Tel: (323) 664-9981

Fax: (323) 664-9982

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Environmental FirstSearch
Site Information Report

Request Date: 06-30-04
Requestor Name: Erin Murray
Standard: ASTM

Search Type: AREA
Job Number: 094290601
Filtered Report

TARGET ADDRESS: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

Demographics

Sites: 32 **Non-Geocoded:** 3 **Population:** NA
Radon: 1 PCI/L

Site Location

	Degrees (Decimal)	Degrees (Min/Sec)		UTMs
Longitude:	-116.939863	-116:56:24	**Easting:**	505627.073
Latitude:	32.85451	32:51:16	**Northing:**	3634969.06
			Zone:	11

Comment

Comment:

Additional Requests/Services

Adjacent ZIP Codes: 1 Mile(s)

ZIP Code	City Name	ST	Dist/Dir	Sel
92071	SANTEE	CA	0.31 NW	Y

Services:

	Requested?	Date
Sanborns	No	
Aerial Photographs	No	
Topographical Maps	No	
City Directories	No	
Title Search	No	
Municipal Reports	No	
Online Topos	No	

Environmental FirstSearch
Sites Summary Report

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

TOTAL: 32 **GEOCODED:** 29 **NON GEOCODED:** 3 **SELECTED:** 32

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
17	LUST	LAKESIDE TEXACO HE17H03147	12106 WOODSIDE AV LAKESIDE CA 92040	0.47 NE	12
22	LUST	TEXACO GAS STATION T0607302654/REMEDIAL ACTION	12106 WOODSIDE AV LAKESIDE CA 92040	0.47 NE	12
26	LUST	WINTERGARDENS REDEVELOPMENT HE17H38416	9808-10 WINTER GARDENS BL LAKESIDE CA 92040	0.47 NE	17
18	LUST	LAKESIDE TIRE INC. HE17H12893	9668 WINTER GARDENS BL LAKESIDE CA 92040-	0.47 SE	13
25	LUST	TIRE TECH INC T0608103925/CASE CLOSED	9668 WINTER GARDENS BL LAKESIDE CA 92040	0.47 SE	1
19	LUST	PRESTIGE STATIONS, INC #9760 HE17H05359	12109 WOODSIDE AV LAKESIDE CA 92040	0.48 NE	10
23	LUST	THRIFTY #423 (ARCO) T0608109083/CASE CLOSED	12109 WOODSIDE AV LAKESIDE CA 92040	0.48 NE	10
24	LUST	THRIFTY #423 (ARCO) T0607301846/REMEDIAL ACTION	12109 WOODSIDE AV LAKESIDE CA 92040	0.48 NE	10

Environmental FirstSearch
Street Name Report for Streets within .25 Mile(s) of Target Property

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

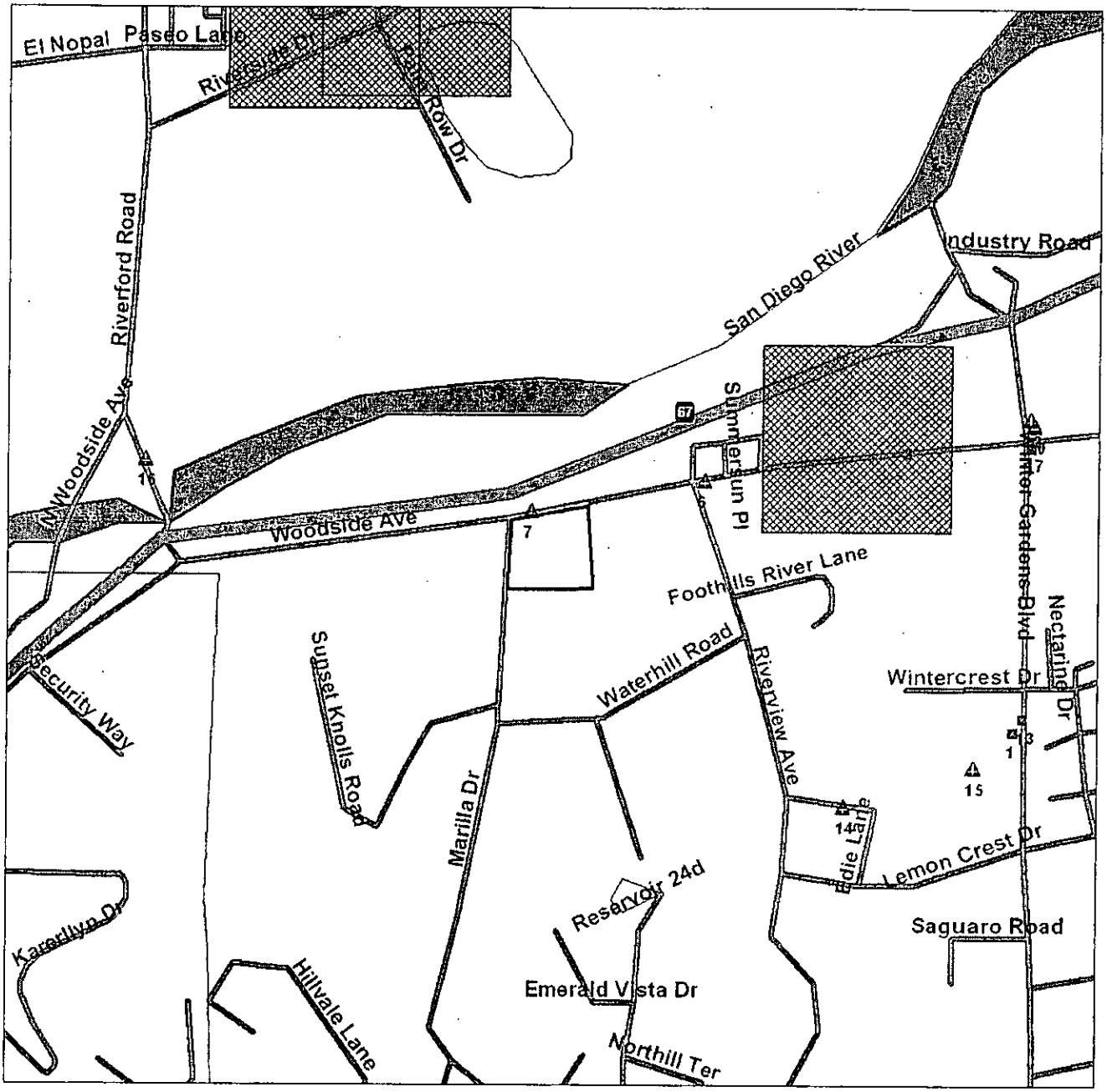
Street Name	Dist/Dir	Street Name	Dist/Dir
Emerald Grove Ave	0.14 SE		
Highway 67	0.08 NW		
Marilla Dr	0.00 --		
Riverview Ave	0.11 NE		
Summersun Ln	0.11 NE		
Summersun Pl	0.15 NE		
Sunset Knolls Rd	0.12 SW		
Waterhill Rd	0.13 SE		
Woodside Ave	0.00 --		

Environmental FirstSearch

.5 Mile Radius from Area

ASTM Map: CERCLIS, RCRATSD, LUST, SWL

11719-11749 WOODSIDE AVE, LAKESIDE CA 92040



Source: 1999 U.S. Census TIGER Files

Area Polygon .....

Identified Site, Multiple Sites, Receptor .....

NPL, Solid Waste Landfill (SWL) or Hazardous Waste .....

Railroads .....

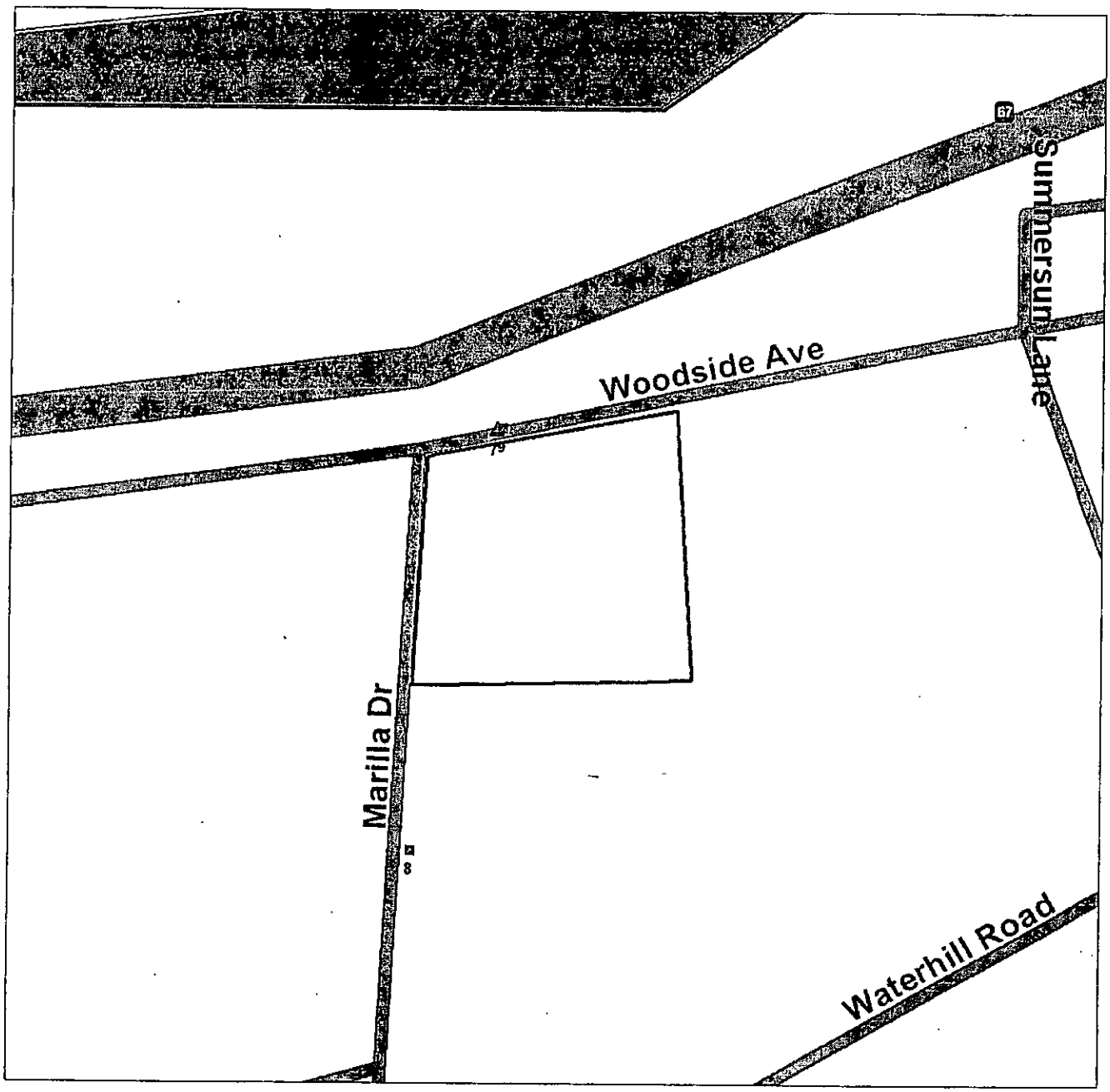
Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

Environmental FirstSearch

.12 Mile Radius from Area

Non-ASTM Map: Permits

11719-11749 WOODSIDE AVE, LAKESIDE CA 92040



Source: 1999 U.S. Census TIGER Files

Area Polygon .....

Identified Site, Multiple Sites, Receptor .....

NPL, Solid Waste Landfill (SWL) or Hazardous Waste .....

National Historic Sites and Landmark Sites .....

Railroads .....

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

Environmental FirstSearch
Site Detail Report

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

PERMITS SITE

SEARCH ID: 5 **DIST/DIR:** 0.00 -- **MAP ID:** 7

NAME:	LAKESIDE MOTORS	REV:	02/06/03
ADDRESS:	11719 WOODSIDE AV	ID1:	HE17H35322
	LAKESIDE CA 92040	ID2:	
	SAN DIEGO	STATUS:	
CONTACT:	JIM BYRNES	PHONE:	(619)561-1300

WASTE STREAMS GENERATED BY BUSINESS

Waste Name & Code:	*PAINT SLUDGE (461)*
Inspection Date:	*7/31/97*
Waste Quantity Present at Inspection:	*55*
Annual Quantity:	*55*
Measurement Unit:	*GAL*
Treatment Method:	*UNKNOWN*
Storage Methold:	*METAL DRUMS,55 GALLONS*
Carcinogen Indicator:	
Hauler:	*NO HAULER*
Waste Description:	*SUMP SLUDGE*

WASTE STREAMS GENERATED BY BUSINESS

Waste Name & Code:	*PAINT SLUDGE (461)*
Inspection Date:	*10/27/97*
Waste Quantity Present at Inspection:	*55*
Annual Quantity:	*55*
Measurement Unit:	*GAL*
Treatment Method:	*UNKNOWN*
Storage Methold:	*METAL DRUMS,55 GALLONS*
Carcinogen Indicator:	
Hauler:	*NO HAULER*
Waste Description:	*SUMP SLUDGE*

WASTE STREAMS GENERATED BY BUSINESS

Waste Name & Code:	*WASTE OIL & MIXED OIL (221)* --
Inspection Date:	*7/31/97*
Waste Quantity Present at Inspection:	*5*
Annual Quantity:	*60*
Measurement Unit:	*GAL*
Treatment Method:	*RECYCLE*
Storage Methold:	*PLASTIC DRUMS 0-5 GALLONS*
Carcinogen Indicator:	
Hauler:	*SELF:SMALL QTY EXEMPTION*
Waste Description:	

WASTE STREAMS GENERATED BY BUSINESS

Waste Name & Code:	*WASTE OIL & MIXED OIL (221)*
Inspection Date:	*10/27/97*
Waste Quantity Present at Inspection:	*5*
Annual Quantity:	*60*
Measurement Unit:	*GAL*
Treatment Method:	*RECYCLE*
Storage Methold:	*PLASTIC DRUMS 0-5 GALLONS*
Carcinogen Indicator:	
Hauler:	*SELF:SMALL QTY EXEMPTION*
Waste Description:	

WASTE STREAMS GENERATED BY BUSINESS

Waste Name & Code:	*USED OIL FILTERS (888)*
Inspection Date:	*10/27/97*

- Continued on next page -

Environmental FirstSearch
Site Detail Report

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

PERMITS SITE

SEARCH ID: 5 **DIST/DIR:** 0.00 -- **MAP ID:** 7

NAME: LAKESIDE MOTORS
ADDRESS: 11719 WOODSIDE AV
LAKESIDE CA 92040
SAN DIEGO
CONTACT: JIM BYRNES

REV: 02/06/03
ID1: HE17H35322
ID2:
STATUS:
PHONE: (619)561-1300

Treatment Method: *RECYCLE*
Storage Methold: *PLASTIC DRUMS 0-5 GALLONS*
Carcinogen Indicator:
Hauler: *NO HAULER*
Waste Description: *ANTIFREEZE*

WASTE STREAMS GENERATED BY BUSINESS

Waste Name & Code: *ORGANIC LIQUIDS W/METALS (342)*
Inspection Date: *10/27/97*
Waste Quantity Present at Inspection: *55*
Annual Quantity: *55*
Measurement Unit: *GAL*
Treatment Method: *RECYCLE*
Storage Methold: *PLASTIC DRUMS 0-5 GALLONS*
Carcinogen Indicator:
Hauler: *NO HAULER*
Waste Description: *ANTIFREEZE*

ENVIRONMENTAL ASSESSMENT LISTINGS & RELEASE INFORMATION

Release Occurance Number: *001*
Historical Name: *Y TIRE SALES*
Date Release Began:
Lead Agency: *DEH*
Case Type: *NON-TANK, Env.*
Case Status: *CLOSED*
Case Status Date: *3/17/95*

Environmental FirstSearch
Site Detail Report

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 29 **DIST/DIR:** 0.00 -- **MAP ID:** 7

NAME: Y TIRE SALES
ADDRESS: 11719 WOODSIDE AV
LAKESIDE CA 92040
SAN DIEGO
CONTACT:

REV: 05/26/04
ID1: T0607302241
ID2:
STATUS: CASE CLOSED
PHONE:

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred dating after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: *LOCAL AGENCY*
REGIONAL BOARD: *09*
LOCAL CASE NUMBER: *H35322-001*
RESPONSIBLE PARTY:
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE NUMBER: *9UT3477*
CASE TYPE: *SOIL ONLY*
SUBSTANCE LEAKED: *DIESEL*
SUBSTANCE QUANTITY:
LEAK CAUSE:
LEAK SOURCE:
HOW LEAK WAS DISCOVERED:
DATE DISCOVERED (blank if not reported):
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):
STATUS: *CASE CLOSED*
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):

ENTER DATE (blank if not reported):
REVIEW DATE (blank if not reported):
DATE OF LEAK CONFIRMATION (blank if not reported):
DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):
DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported): *1994-09-26 00:00:00*
DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported):
DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):
DATE REMEDIAL ACTION UNDERWAY (blank if not reported): *1995-03-17 00:00:00*
DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):
DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported): *1995-03-17 00:00:00*
REPORT DATE (blank if not reported):

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE(Date of historical maximum MTBE concentration):
MTBE GROUNDWATER CONCENTRATION:
MTBE SOIL CONCENTRATION:
MTBE CNTS: *0*
MTBE FUEL: *0*
MTBE TESTED: *NOT REQUIRED TO BE TESTED*
MTBE CLASS: *

Environmental FirstSearch
Site Detail Report

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

PERMITS SITE

SEARCH ID: 6 **DIST/DIR:** 0.05 SE **MAP ID:** 8

NAME:	STUDENT TRANS. FACILITY	**REV:**	02/06/03
ADDRESS:	9707 MARILLA DR	**ID1:**	HE17H36203
	LAKESIDE CA 92040	**ID2:**	CAL000138061
	SAN DIEGO	**STATUS:**	
CONTACT:	LAKESIDE UNION SCHOOL DISTRICT	**PHONE:**	(619)390-2682

INDUSTRY / FACILITY INFORMATION NAMES

Business Description & SIC Code: *Schools, Univ, Colleges*
Gas Station:
Fire Department District: *Lakeside FPD*

PERMIT INFORMATION

Permit Number: *HE17H36203*
Inactive / Active Facility Indicator:
Annual Expiration Date: *May 31*
Status:
Map Code / Business Plan on File:
Business Plan Acceptance Date: *04/28/2000*

GENERAL INSPECTION & VIOLATION INFORMATION

Inspection Date: *05/25/2001 0:00:00*
Reinspection Date: *Jul 2002*
Inspector Name: *CATUBAY*
Notice of Violation Issued:
Delinquent Flag:
Last Update: *6/24/01*
Last Delinquent Letter:

PROPERTY OWNER INFORMATION

Property Owner Name:
Property Owner Address:

WASTE STREAMS GENERATED BY BUSINESS

Waste Name & Code: *WASTE OIL & MIXED OIL (221)*
Inspection Date: *5/25/01*
Waste Quantity Present at Inspection: *220*
Annual Quantity: *400*
Measurement Unit: *GAL*
Treatment Method: *RECYCLE*
Storage Methold: *METAL DRUMS,55 GALLONS*
Carcinogen Indicator:
Hauler: *GOLDEN STATE ENVIR. SERV.*
Waste Description:

WASTE STREAMS GENERATED BY BUSINESS

Waste Name & Code: *HYDROCARBON SOLVENTS (213)*
Inspection Date: *5/25/01*
Waste Quantity Present at Inspection: *16*
Annual Quantity: *64*
Measurement Unit: *GAL*
Treatment Method: *RECYCLE*
Storage Methold: *PROCESSING EQUIPMENT*
Carcinogen Indicator:
Hauler: *SAFETY KLEEN*
Waste Description: *SOLVENT TANK SLUDGE*

- Continued on next page -

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

PERMITS SITE

SEARCH ID: 6 **DIST/DIR:** 0.05 SE **MAP ID:** 8

NAME:	STUDENT TRANS. FACILITY	REV:	02/06/03
ADDRESS:	9707 MARILLA DR	ID1:	HE17H36203
	LAKESIDE CA 92040	ID2:	CAL000138061
	SAN DIEGO	STATUS:	
CONTACT:	LAKESIDE UNION SCHOOL DISTRICT	PHONE:	(619)390-2682

Waste Quantity Present at Inspection: *100*
Annual Quantity: *1000*
Measurement Unit: *LBS*
Treatment Method: *BATTERIES RECYCLED*
Storage Methold: *WASTE PILE*
Carcinogen Indicator:
Hauler: *UNKNOWN HAZ WST HAULER*
Waste Description: *BRODINGS BATTERY*

VIOLATIONS AT TIME OF INSPECTION
Inspection Date: *1/18/00*
Violation Item Number: *V001*
Waste Code:
Type of Violation: *GENERAL VIOLATION*
Number of Occurances: *02*
Violation Definition: *PERSONNEL TRAINING RECORDS ARE INADEQUATE TO DOCUMENT COMPLIANCE WITH REQUIREMENTS FOR CURRENT AND FORMER EMPLOYEES CCR 66265.16*

VIOLATIONS AT TIME OF INSPECTION
Inspection Date: *1/18/00*
Violation Item Number: *V002*
Waste Code:
Type of Violation: *GENERAL VIOLATION*
Number of Occurances: *02*
Violation Definition: *PERSONNEL TRAINING RECORDS NOT AVAILABLE TO SHOW THAT PERSONNEL HAVE RECEIVED INITIAL AND ANNUAL REFRESHER TRAINING. CCR 2732(B)*

VIOLATIONS AT TIME OF INSPECTION
Inspection Date: *3/23/98*
Violation Item Number: *V001*
Waste Code:
Type of Violation: *GENERAL VIOLATION*
Number of Occurances: *03*
Violation Definition: *HAZARDOUS WASTE CONTAINERS ARE MISSING LABELS, ACCUMULATION DATE AND/OR ARE IMPROPERLY LABELED CCR 66262.34*

VIOLATIONS AT TIME OF INSPECTION
Inspection Date: *3/23/98*
Violation Item Number: *V002*
Waste Code:
Type of Violation: *GENERAL VIOLATION*
Number of Occurances: *02*
Violation Definition: *PERSONNEL TRAINING RECORDS ARE INADEQUATE TO DOCUMENT COMPLIANCE WITH REQUIREMENTS FOR CURRENT AND FORMER EMPLOYEES CCR 66265.16*

VIOLATIONS AT TIME OF INSPECTION
Inspection Date: *3/23/98*
Violation Item Number: *V003*
Waste Code:
Type of Violation: *GENERAL VIOLATION*
Number of Occurances: *01*

- Continued on next page -

Environmental FirstSearch
Site Detail Report

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 8 **DIST/DIR:** 0.13 NE **MAP ID:** 6

NAME: ACTION CYLINDER HEADS
ADDRESS: 11903 WOODSIDE AV
LAKESIDE CA 92040
SAN DIEGO
CONTACT: THOMAS EDWARD SMITH

REV: 02/06/03
ID1: HE17H11391
ID2: CAL000079098
STATUS:
PHONE: (619)561-6267

TANK ID s
Permit Number: *H11391*
Tank Number: *T001*
Tank ID Number: *AT0968-1*

TANK CHARACTERISTICS INFORMATION
Capacity: *5000.00*
Manufacturer Code:
Year Installed:
Contents: *SEE FILE FOR CONTENTS*
Tank Content Chemical Name:
Tank Content CAS Number:

Tank System Type: *SINGLE WALL W/O SECNDRY CNTMNT*
Primary Tank Material: *NO PRIMARY TANK MATERIAL INFO*
Tank Interior Lining or Coating: *NO SECONDARY TANK MTRL INFO*
Tank Exterior Corrosion Protection: *NO EXTERIOR CORR PROT INFO*
Overfill Device: *NO OVERFILL INFORMATION*
Spill Buckets:
Is Groundwater Greater Than 20 Feet (Y/N): *NO*

TANK TESTING & MONITORING INFORMATION
Below Grade Equipment:
Is System 1998 Standards Certified (Y/N):
Tank Monitor Device: *NO TANK MONIT DEV INFO*
Automatic Tank Gauges: *NO ATGS INFO AVAILABLE*
Tank Test Status: *N/A*
Tank Test Date: *12/01/87*

PIPING INFORMATION
Piping Corrosion Protection: *NO PIPE PROTECTION INFO*
Pressure Pipe Loss Leak Detector Type: *NO PPLLD BRAND INFO*
Pipe System Type: *PIPE TYPE NOT AVAILABLE*
Pipe Construction: *NO PIPE CONSTRUCTION INFO*
Pipe Primary Material: *NO PRIMARY PIPE MATERIAL INFO*
Pipe Monitor Device: *NO PIPE MONIT DEV INFO*
PIPING INFORMATION
Pipe Test Date: *12/01/87*

REGULATORY INFORMATION
Tank Exempt Indicator: *NO*
Hazard Category 1:
Regulatory Status Code Description: *CLOSED BY REMOVAL*

TANK ID s
Permit Number: *H11391*
Tank Number: *T002*
Tank ID Number: *AT0968-2*

- Continued on next page -

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 8 **DIST/DIR:** 0.13 NE **MAP ID:** 6

NAME:	ACTION CYLINDER HEADS	REV:	02/06/03
ADDRESS:	11903 WOODSIDE AV	ID1:	HE17H11391
	LAKESIDE CA 92040	ID2:	CAL000079098
	SAN DIEGO	STATUS:	
CONTACT:	THOMAS EDWARD SMITH	PHONE:	(619)561-6267

Tank Content CAS Number:

Tank System Type:	*SINGLE WALL W/O SECNDRY CNTMNT*
Primary Tank Material:	*NO PRIMARY TANK MATERIAL INFO*
Tank Interior Lining or Coating:	*NO SECONDARY TANK MTRL INFO*
Tank Exterior Corrosion Protection:	*NO EXTERIOR CORR PROT INFO*
Overfill Device:	*NO OVERFILL INFORMATION*
Spill Buckets:	
Is Groundwater Greater Than 20 Feet (Y/N):	*NO*

TANK TESTING & MONITORING INFORMATION

Below Grade Equipment:	
Is System 1998 Standards Certified (Y/N):	
Tank Monitor Device:	*NO TANK MONIT DEV INFO*
Automatic Tank Gauges:	*NO ATGS INFO AVAILABLE*
Tank Test Status:	*N/A*
Tank Test Date:	*12/01/87*

PIPING INFORMATION

Piping Corrosion Protection:	*NO PIPE PROTECTION INFO*
Pressure Pipe Loss Leak Detector Type:	*NO PPLLD BRAND INFO*
Pipe System Type:	*PIPE TYPE NOT AVAILABLE*
Pipe Construction:	*NO PIPE CONSTRUCTION INFO*
Pipe Primary Material:	*NO PRIMARY PIPE MATERIAL INFO*
Pipe Monitor Device:	*NO PIPE MONIT DEV INFO*

PIPING INFORMATION

Pipe Test Date:	*12/01/87*

REGULATORY INFORMATION

Tank Exempt Indicator:	*NO*
Hazard Category 1:	
Regulatory Status Code Description:	*CLOSED BY REMOVAL*

TANK ID s

Permit Number:	*H11391*
Tank Number:	*T004*
Tank ID Number:	*AT0968-4*

TANK CHARACTERISTICS INFORMATION

Capacity:	*1000.00*
Manufacturer Code:	
Year Installed:	
Contents:	*SEE FILE FOR CONTENTS*
Tank Content Chemical Name:	
Tank Content CAS Number:	

Tank System Type:	*SINGLE WALL W/O SECNDRY CNTMNT*
Primary Tank Material:	*NO PRIMARY TANK MATERIAL INFO*
Tank Interior Lining or Coating:	*NO SECONDARY TANK MTRL INFO*
Tank Exterior Corrosion Protection:	*NO EXTERIOR CORR PROT INFO*

- Continued on next page -

Environmental FirstSearch
Site Detail Report

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 8 **DIST/DIR:** 0.13 NE **MAP ID:** 6

NAME:	ACTION CYLINDER HEADS	**REV:**	02/06/03
ADDRESS:	11903 WOODSIDE AV	**ID1:**	HE17H11391
	LAKESIDE CA 92040	**ID2:**	CAL000079098
	SAN DIEGO	**STATUS:**	
CONTACT:	THOMAS EDWARD SMITH	**PHONE:**	(619)561-6267

Is System 1998 Standards Certified (Y/N):
Tank Monitor Device: *NO TANK MONIT DEV INFO*
Automatic Tank Gauges: *NO ATGS INFO AVAILABLE*
Tank Test Status: *N/A*
Tank Test Date: *12/01/87*

PIPING INFORMATION
Piping Corrosion Protection: *NO PIPE PROTECTION INFO*
Pressure Pipe Loss Leak Detector Type: *NO PPLLD BRAND INFO*
Pipe System Type: *PIPE TYPE NOT AVAILABLE*
Pipe Construction: *NO PIPE CONSTRUCTION INFO*
Pipe Primary Material: *NO PRIMARY PIPE MATERIAL INFO*
Pipe Monitor Device: *NO PIPE MONIT DEV INFO*

PIPING INFORMATION
Pipe Test Date: *12/01/87*

REGULATORY INFORMATION
Tank Exempt Indicator: *NO*
Hazard Category 1:
Regulatory Status Code Description: *CLOSED BY REMOVAL*

Environmental FirstSearch
Site Detail Report

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 15 **DIST/DIR:** 0.13 NE **MAP ID:** 6

NAME: JD-35 PARTNERSHIP
ADDRESS: 11903 WOODSIDE AV
LAKESIDE CA 92040
SAN DIEGO
CONTACT:

REV: 05/26/04
ID1: T0607303044
ID2:
STATUS: CASE CLOSED
PHONE:

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

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LEAD AGENCY: *LOCAL AGENCY*
REGIONAL BOARD: *09*
LOCAL CASE NUMBER: *H11391-001*
RESPONSIBLE PARTY:
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE NUMBER: *9UT791*
CASE TYPE: *SOIL ONLY*
SUBSTANCE LEAKED: *unk*
SUBSTANCE QUANTITY:
LEAK CAUSE:
LEAK SOURCE:
HOW LEAK WAS DISCOVERED:
DATE DISCOVERED (blank if not reported): *1987-01-18 00:00:00*
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):
STATUS: *CASE CLOSED*
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):

ENTER DATE (blank if not reported):
REVIEW DATE (blank if not reported):
DATE OF LEAK CONFIRMATION (blank if not reported):
DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):
DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported): *1987-08-21 00:00:00*
DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported):
DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):
DATE REMEDIAL ACTION UNDERWAY (blank if not reported): *1987-08-21 00:00:00*
DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):
DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported): *1989-08-21 00:00:00*
REPORT DATE (blank if not reported):

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE(Date of historical maximum MTBE concentration):
MTBE GROUNDWATER CONCENTRATION:
MTBE SOIL CONCENTRATION:
MTBE CNTS: *0*
MTBE FUEL: *0*
MTBE TESTED: *NOT REQUIRED TO BE TESTED*
MTBE CLASS: *

Environmental FirstSearch
Site Detail Report

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

SOLID WASTE LANDFILL SITE

SEARCH ID: 2 **DIST/DIR:** 0.18 NE **MAP ID:** 3

NAME: GARCIAS TIRE SHOP
ADDRESS: 12030 WOODSIDE AVE.
LAKESIDE CA 92040
SAN DIEGO
CONTACT:

REV: 03/08/04
ID1: SWIS37-TI-1110
ID2:
STATUS: ACTIVE
PHONE:

SITE OPERATOR INFORMATION:

Operator: *Garcias Tire Shop*
Operator Address: *12030 Woodside Ave. Lakeside CA 92040*
Permit Date:
Permit Status:
Land Use Name: *Urban*
GIS Source for LAT and LONG: *Map*

SITE ACTIVITY INFORMATION:

Activity: *Tire Dealer*
Accepted Waste: *Tires, Passenger,Tires, Tractor,Tires, Truck*
Operational Status: *Active*
Regulatory Status *Unpermitted*
Closure Date:
Closure Type:
Permitted Throughput with Units: *0 Tires*
Permitted Capacity with Units: *0*
Remaining Capacity with Units (landfills only):
Permitted Total Acreage: *0*
Permitted Disposal Acreage:
Last Tire Inspection Count: *3700*
Last Tire Inspection Count Date: *2/10/2000*
Original Tire Inspection Count: *3700*
Last Tire Inspection Count Date: *2/10/2000*
Inspection Frequency: *None*

SITE OWNER INFORMATION:

Owner: *Garcias Tire Shop*
Owner Phone: *6194434090*
Owner Address: *12030 Woodside Ave.*

Environmental FirstSearch
Site Detail Report

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 20 **DIST/DIR:** 0.36 SE **MAP ID:** 14

NAME:	ROCKY HOME DAIRY INC	**REV:**	08/21/00
ADDRESS:	12027 ROCKY HOME DR	**ID1:**	HE17H20537
	LAKESIDE CA 92040	**ID2:**	
	San Diego	**STATUS:**	
CONTACT:	ROCKY HOME PROPERTIES	**PHONE:**	(619)443-0633

Release Occurance Number:	*001*
Historical Name:	*ROCKY HOME DAIRY INC*
Date Release Began:	*2/17/87*
Lead Agency:	*DEH*
Case Type:	*TANK, Release*
Case Status:	*CLOSED*
Case Status Date:	*3/13/87*

Environmental FirstSearch
Site Detail Report

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 27 **DIST/DIR:** 0.39 NW **MAP ID:** 16

NAME:	WOODWARD SAND CO	**REV:**	10/22/01
ADDRESS:	9891 RIVERFORD RD	**ID1:**	HE17H06670
	LAKESIDE CA 92040	**ID2:**	CAD981666456
	SAN DIEGO	**STATUS:**	
CONTACT:	JOHN WOODWARD	**PHONE:**	( )561-1000

Release Occurance Number:	*001*
Historical Name:	*WOODWARD SAND COMPANY*
Date Release Began:	*10/12/90*
Lead Agency:	*DEH*
Case Type:	*TANK, Release*
Case Status:	*OPEN*
Case Status Date:	*10/12/90*

Release Occurance Number:	*002*
Historical Name:	*FORMER WOODWARD SAND CO. SITE*
Date Release Began:	*6/27/96*
Lead Agency:	*DEH*
Case Type:	*TANK, Release*
Case Status:	*CLOSED*
Case Status Date:	*8/9/96*

Environmental FirstSearch
Site Detail Report

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

SOLID WASTE LANDFILL SITE

SEARCH ID: 3 **DIST/DIR:** 0.44 NW **MAP ID:** 4

NAME: SOIL TREATMENT FACILITY
ADDRESS: 11611 RIVERSIDE DR
LAKESIDE CA 92040
SAN DIEGO
CONTACT: JERRY LESTER

REV: 07/03/00
ID1: WMUD9 000000638
ID2:
STATUS: HISTORICAL
PHONE:

WMUDS FACILITY INFORMATION (blank = not reported)

Regional ID #:
NPDES ID #:
Region: *9*
Edit Date:
Last Edit:

Waste Discharger Facility: *Yes*

Sub Chapter 15 Facility: *Yes*
Solid Waste Assessment Test Site: *No*
Toxic Pits Cleanup Act Facility: *No*
RCRA Facility: *No*
Department of Defense Facility: *No*
Municipal Solid Waste Facility: *No*

Total WMUS at Facility:
Facility Open to the Public: *No*
Facility Type: *IND*
SIC 1 & SIC 2: */*

Primary Waste Type:
Secondary Waste Type:
Tons Per Day:
Complexity:

LAND OWNER INFORMATION

Land Owner:
Department:
Contact & Phone:
Land Owner Address:

AGENCY INFORMATION

Agency Name: *LAKESIDE LAND CO*
Department:
Agency Contact & Phone: *JERRY LESTER, 6194435872*

WASTE MANAGEMENT UNIT INFORMATION (blank = not reported)

WMU ID #: *9 000000638-01*
WMU Status:
WMU Size in Acres:
Year WMU Will Reach Capacity:
Close Plan: *0*
Avg Depth to Groundwater:
Primary Liner Present: *0*

ENFORCEMENT INFORMATION (blank = not reported)

Reportable Enforcement: *NO*

- Continued on next page -

Environmental FirstSearch
Site Detail Report

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

SOLID WASTE LANDFILL SITE

SEARCH ID: 4 **DIST/DIR:** 0.45 NW **MAP ID:** 5

NAME: WOODWARD SAND PIT RECL PROJECT
ADDRESS: 10101 RIVERSIDE DR
LAKESIDE CA 92040
SAN DIEGO
CONTACT: J L LESTER

REV: 07/03/00
ID1: WMUD9 000000536
ID2:
STATUS: ACTIVE
PHONE:

WMUDS FACILITY INFORMATION (blank = not reported)

Regional ID #:
NPDES ID #:
Region: *9*
Edit Date:
Last Edit:

Waste Discharger Facility: *Yes*

Sub Chapter 15 Facility: *Yes*
Solid Waste Assessment Test Site: *No*
Toxic Pits Cleanup Act Facility: *No*
RCRA Facility: *No*
Department of Defense Facility: *No*
Municipal Solid Waste Facility: *No*

Total WMUS at Facility: *1*
Facility Open to the Public: *No*
Facility Type: *SW3*
SIC 1 & SIC 2: *4953 /*

Primary Waste Type: *INERT: CONTAMINATED SOIL*
Secondary Waste Type:
Tons Per Day:
Complexity: *CATEGORY C - Any facility not included in A or B. This would include facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and di*

LAND OWNER INFORMATION

Land Owner:
Department:
Contact & Phone:
Land Owner Address:

AGENCY INFORMATION

Agency Name: *LAKESIDE LAND CO*
Department:
Agency Contact & Phone: *J L LESTER, 6194499083*

WASTE MANAGEMENT UNIT INFORMATION (blank = not reported)

WMU ID #: *9 000000536-01*
WMU Status:
WMU Size in Acres:
Year WMU Will Reach Capacity:
Close Plan: *0*
Avg Depth to Groundwater: *0*
Primary Liner Present: *0*

Environmental FirstSearch
Site Detail Report

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 12 **DIST/DIR:** 0.45 SE **MAP ID:** 15

NAME:	ARCO #5512	REV:	11/03/00
ADDRESS:	9606 WINTER GARDENS BL	ID1:	HE17H26488
	LAKESIDE CA 92040	ID2:	CAL920815486
	SAN DIEGO	STATUS:	
CONTACT:	ARCO PRODUCTS CO	PHONE:	(619)443-5333

Release Occurance Number:	*001*
Historical Name:	*ARCO 5512*
Date Release Began:	*9/13/00*
Lead Agency:	*DEH*
Case Type:	*TANK, Release*
Case Status:	*OPEN*
Case Status Date:	*10/4/00*

Environmental FirstSearch
Site Detail Report

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 17 **DIST/DIR:** 0.47 NE **MAP ID:** 12

NAME:	LAKESIDE TEXACO	**REV:**	08/21/00
ADDRESS:	12106 WOODSIDE AV	**ID1:**	HE17H03147
	LAKESIDE CA 92040	**ID2:**	
	San Diego	**STATUS:**	
CONTACT:	GARY KEVORKAYN	**PHONE:**	(619)561-1665

Release Occurance Number:	*001*
Historical Name:	*APPOLLO OIL*
Date Release Began:	*4/4/90*
Lead Agency:	*DEH*
Case Type:	*TANK, Release (W)*
Case Status:	*OPEN*
Case Status Date:	*9/23/92*

Release Occurance Number:	*002*
Historical Name:	*TEXACO GAS STATION*
Date Release Began:	*3/17/99*
Lead Agency:	*DEH*
Case Type:	*TANK, Release*
Case Status:	*OPEN*
Case Status Date:	*4/13/99*

Environmental FirstSearch
Site Detail Report

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 26 **DIST/DIR:** 0.47 NE **MAP ID:** 17

NAME: WINTERGARDENS REDEVELOPMENT
ADDRESS: 9808-10 WINTER GARDENS BL
LAKESIDE CA 92040
SAN DIEGO
CONTACT:

REV: 10/22/01
ID1: HE17H38416
ID2:
STATUS:
PHONE: ( ) -

Release Occurance Number: *001*
Historical Name: *WOODSIDE AVE. PROPERTY*
Date Release Began: *5/24/99*
Lead Agency: *DEH*
Case Type: *TANK, Release (W)*
Case Status: *CLOSED*
Case Status Date: *8/5/99*

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 18 **DIST/DIR:** 0.47 SE **MAP ID:** 13

NAME: LAKESIDE TIRE INC.
ADDRESS: 9668 WINTER GARDENS BL
LAKESIDE CA 92040
SAN DIEGO
CONTACT: BOB FITZMORRIS

REV: 10/22/01
ID1: HE17H12893
ID2: CAL000026097
STATUS:
PHONE: (619)561-3050

Release Occurance Number: *001*
Historical Name: *TIRE TECH INC*
Date Release Began: *9/17/92*
Lead Agency: *DEH*
Case Type: *TANK, Release*
Case Status: *CLOSED*
Case Status Date: *8/26/93*

Environmental FirstSearch
Site Detail Report

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 19 **DIST/DIR:** 0.48 NE **MAP ID:** 10

NAME:	PRESTIGE STATIONS, INC #9760	**REV:**	08/21/00
ADDRESS:	12109 WOODSIDE AV	**ID1:**	HE17H05359
	LAKESIDE CA 92040	**ID2:**	CAL920815486
	San Diego	**STATUS:**	
CONTACT:	ARCO #9760	**PHONE:**	(619)561-2193

Release Occurance Number:	*001*
Historical Name:	*THRIFTY #423 (ARCO)*
Date Release Began:	*1/9/87*
Lead Agency:	*DEH*
Case Type:	*TANK, Failed Test*
Case Status:	*CLOSED*
Case Status Date:	*6/25/87*

Release Occurance Number:	*002*
Historical Name:	*THRIFTY #423 (ARCO)*
Date Release Began:	*5/30/95*
Lead Agency:	*DEH*
Case Type:	*TANK, Release*
Case Status:	*OPEN*
Case Status Date:	*6/13/95*

Environmental FirstSearch
Site Detail Report

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 24 **DIST/DIR:** 0.48 NE **MAP ID:** 10

NAME: THRIFTY #423 (ARCO)
ADDRESS: 12109 WOODSIDE AV
LAKESIDE CA 92040
SAN DIEGO
CONTACT:

REV: 05/26/04
ID1: T0607301846
ID2:
STATUS: REMEDIAL ACTION
PHONE:

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred dating after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: *LOCAL AGENCY*
REGIONAL BOARD: *09*
LOCAL CASE NUMBER: *H05359-002*
RESPONSIBLE PARTY:
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE NUMBER: *9UT3081*
CASE TYPE: *WELL AFFECTED*
SUBSTANCE LEAKED: *UNLEADED GASOLINE*
SUBSTANCE QUANTITY:
LEAK CAUSE:
LEAK SOURCE:
HOW LEAK WAS DISCOVERED:
DATE DISCOVERED (blank if not reported): *1995-05-30 00:00:00*
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):
STATUS: *REMEDIAL ACTION*
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency):
DATE OF ENFORCEMENT (blank if not reported):

ENTER DATE (blank if not reported):
REVIEW DATE (blank if not reported):
DATE OF LEAK CONFIRMATION (blank if not reported):
DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):
DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported): *1965-01-03 00:00:00*
DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported):
DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):
DATE REMEDIAL ACTION UNDERWAY (blank if not reported): *1965-01-03 00:00:00*
DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):
DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported):
REPORT DATE (blank if not reported):

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE(Date of historical maximum MTBE concentration): *1965-01-01 00:00:00*
MTBE GROUNDWATER CONCENTRATION: *EQUAL TO 11000.00*
MTBE SOIL CONCENTRATION:
MTBE CNTS: *2*
MTBE FUEL: *1*
MTBE TESTED: *YES*
MTBE CLASS: *B*

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

STATE SITE

SEARCH ID: 31 **DIST/DIR:** NON GC **MAP ID:**

NAME:	ANDERSON DRILLING CO. STORAGE LOT	**REV:**	07/03/00
ADDRESS:	ACROSS STREET FROM 12370 LAKESIDE AVENUE	**ID1:**	CAL37490003
	LAKESIDE CA 92040	**ID2:**	
	San Diego	**STATUS:**	PROPERTY/SITE REFERRED TO ANOT
CONTACT:		**PHONE:**	

Completion Due Date:
Revised Completion Due Date:
Date Activity Actually Completed: *03301987*
Yards of Solids Removed: *0*
Yards of Solids Treated: *0*
Gallons of Liquid Removed: *0*
Gallons of Liquid Treated: *0*

Activity: *(PA)*
Activity Status: *PROPERTY/SITE REFERRED TO ANOTHER AGENCY*
Completion Due Date:
Revised Completion Due Date:
Date Activity Actually Completed: *06101988*
Yards of Solids Removed: *0*
Yards of Solids Treated: *0*
Gallons of Liquid Removed: *0*
Gallons of Liquid Treated: *0*

Activity: *(SS)*
Activity Status: *PROPERTY/SITE REFERRED TO ANOTHER AGENCY*
Completion Due Date:
Revised Completion Due Date:
Date Activity Actually Completed: *10281994*
Yards of Solids Removed: *0*
Yards of Solids Treated: *0*
Gallons of Liquid Removed: *0*
Gallons of Liquid Treated: *0*

DTSC COMMENTS REGARDING THIS SITE (blank below = not reported by agency)

DATE	COMMENT
02151983	*FACILITY IDENTIFIED VIA DRIVEBY*
DATE	**COMMENT**
02151983	*FACILITY DRIVE-BY USED FOR STORAGE OF PIPE/EQUIP. UNIDENT*
DATE	**COMMENT**
02151983	*BLACK/WHITE GRANULAR MATLS OBSERVED AT*
DATE	**COMMENT**
02151983	*EDGE OF SITE. N END OF SITE USED AS A*
DATE	**COMMENT**
02151983	*DUMP-HILL. MATLS INCLUDE IMPORPER FILL*
DATE	**COMMENT**
02151983	*MATLS,E.G. TREES, LIMBS, PAPER.*
DATE	**COMMENT**
02151983	*GROUND PHOTOS FOUR PHOTOS TAKEN OF SITE*
DATE	**COMMENT**

- Continued on next page -

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 30 **DIST/DIR:** NON GC **MAP ID:**

NAME:	TRUCKING COMPANY	REV:	12/31/01
ADDRESS:	EAST OF MILAR ON WOODSIDE AVE	ID1:	NRC-582869
	LAKESIDE CA	ID2:	
	SAN DIEGO	STATUS:	FIXED
CONTACT:	NOT GIVEN	PHONE:	

SITE INFORMATION

THIS INFORMATION WAS OBTAINED FROM THE NATIONAL RESPONSE CENTER

DATE RECEIVED:	12-OCT-01	DATE COMPLETE:	12-OCT-01
CALL TAKER:	TWV9270	CALL TYPE:	INC

RESPONSIBLE PARTY: NOT GIVEN
PHONE #1:
PHONE #2:
PHONE #3:

RESPONSIBLE COMPANY: B & M TRANSPORT
ORGANIZATION TYPE: PRIVATE ENTERPRISE

ADDRESS: EAST OF MILAR ON WOODSIDE AVE
LAKESIDE CA

INITIALLY REPORTED BY:
PHONE:

INIT REPORTED COMPANY:
ON BEHALF OF: N
SOURCE: TELEPHONE

INCIDENT INFORMATION

INCIDENT DESCRIPTION: THE CALLER IS REPORTING THAT THE TRUCKING CO. IS DUMPING DIESEL FUEL & SOLVENT. LOCATION IS RIGHT NEXT TO AN ELEMENTARY SCHOOL.

INCIDENT TYPE:	FIXED	INCIDENT CAUSE:	DUMPING
INCIDENT DATE:	12-OCT-01	INCIDENT DATE DESC:	OCCURRED
DISTANCE FROM CITY:		DISTANCE UNITS:	
DIRECTION FROM CITY:		LOCATION SECTION:	
LOCATION TOWNSHIP:		LOCATION RANGE:	
WMD CHEM FLAG:	F	RAD FLAG:	F
BIO FLAG:	F	OIL FLAG:	T
POTENTIAL_FLAG:		AMT MATERIAL FLAG:	
MILITARY ORG FLAG:		LNG FLAG:	
AIRCRAFT TYPE:		AIRCRAFT MODEL:	
AIRCRAFT ID:		AIRCRAFT FUEL CAPACITY:	
AIRCRAFT FUEL CAPACITY UNITS:		AIRCRAFT FUEL ON BOARD:	
AIRCRAFT FUEL ON BOARD UNITS:		AIRCRAFT SPOT NUMBER:	
AIRCRAFT HANGER:		AIRCRAFT RUNWAY NUM:	
ROAD MILE MARKER:		BUILDING ID:	
TYPE OF FIXED OBJECT:	OTHER	POWER GEN FACILITY:	N

- Continued on next page -

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 30 **DIST/DIR:** NON GC **MAP ID:**

NAME:	TRUCKING COMPANY	REV:	12/31/01
ADDRESS:	EAST OF MILAR ON WOODSIDE AVE	ID1:	NRC-582869
	LAKESIDE CA	ID2:	
	SAN DIEGO	STATUS:	FIXED
CONTACT:	NOT GIVEN	PHONE:	

ST AGENCY RPT NUM:	NO REPORT #	OTHER AGENCY NOTIFIED:	
WEATHER CONDITIONS:	UNKNOWN	AIR TEMPERATURE:	
WIND SPEED:		WIND DIRECTION:	
WATER SUPPLY CONTAM:	U	SHEEN SIZE:	
SHEEN COLOR:		DIR OF SHEEN TRAVEL:	
SHEEN ODOR DESCRIPTION:		WAVE CONDITION:	
CURRENT SPEED:		CURRENT DIRECTION:	
WATER TEMPERATURE:			

DESC OF REMEDIAL ACTION: NO CORRECTIVE ACTION SEEN

EMPL FATALITY:		PASS FATALITY:	
COMMUNITY IMPACT:	N	WIND SPEED UNITS:	
EMPLOYEE INJURIES:		PASSENGER INJURIES:	
OCCUPANT FATALITY:		CURRENT SPEED UNITS:	
ROAD CLOSURE UNITS:		TRACK CLOSURE UNITS:	
SHEEN SIZE UNITS:		STATE AGENCY NOTIFIED:	
FED AGENCY NOTIFIED:		STRUCTURE NAME:	
TYPE OF STRUCTURE:		ALLISION:	
STRUCTURE OPERATIONAL:		NEAREST RIVER MILE MARK:	
SHEEN SIZE LENGTH:	N	SHEEN SIZE LENGTH UNITS:	
SHEEN SIZE WIDTH:		SHEEN SIZE WIDTH UNITS:	
OFFSHORE:		DURATION UNIT:	
RELEASE RATE UNIT:		RELEASE RATE RATE:	

ADDITIONAL INFO: THE CALLER HAD NO ADDITIONAL INFORMATION.

MATERIAL INFORMATION

CHRIS CODE:	NCC	CASE NUMBER:	000000-00-0
UN NUMBER:		REACHED WATER:	NO
NAME OF MATERIAL:	SOLVENTS		
AMOUNT OF MATERIAL:	0 UNKNOWN AMOUNT		
AMOUNT IN WATER:			

CHRIS CODE:	OLB	CASE NUMBER:	000000-00-0
UN NUMBER:		REACHED WATER:	NO
NAME OF MATERIAL:	OIL, MISC: LUBRICATING		
AMOUNT OF MATERIAL:	0 UNKNOWN AMOUNT		
AMOUNT IN WATER:			

CHRIS CODE:	OTD	CASE NUMBER:	000000-00-0
UN NUMBER:		REACHED WATER:	NO
NAME OF MATERIAL:	OIL, FUEL: NO. 2-D		
AMOUNT OF MATERIAL:	0 UNKNOWN AMOUNT		

- Continued on next page -

Environmental FirstSearch
Site Detail Report

TARGET SITE: 11719-11749 WOODSIDE AVE
LAKESIDE CA 92040

JOB: 094290601

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 32 **DIST/DIR:** NON GC **MAP ID:**

NAME: WOODSIDE AVE. PROPERTY
ADDRESS: WINTER GARDENS BL
LAKESIDE CA 92040
SAN DIEGO
CONTACT:

REV: 05/26/04
ID1: T0608137875
ID2:
STATUS: CASE CLOSED
PHONE:

RELEASE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

Please note that some data previously provided by the State Water Resources Control Board in the LUSTIS database is not currently being provided by the agency in the most recent edition. Incidents that occurred dating after the year 2000 may not have much information. Field headers with blank information following after should be interpreted as unreported by the agency.

LEAD AGENCY: *LOCAL AGENCY*
REGIONAL BOARD: *09*
LOCAL CASE NUMBER: *H38416-001*
RESPONSIBLE PARTY:
ADDRESS OF RESPONSIBLE PARTY:
SITE OPERATOR:
WATER SYSTEM:

CASE NUMBER:
CASE TYPE: *AQUIFER AFFECTED*
SUBSTANCE LEAKED: *UNLEADED GASOLINE*
SUBSTANCE QUANTITY:
LEAK CAUSE:
LEAK SOURCE:
HOW LEAK WAS DISCOVERED:
DATE DISCOVERED (blank if not reported): *1999-05-24 00:00:00*
HOW LEAK WAS STOPPED:
STOP DATE (blank if not reported):
STATUS: *CASE CLOSED*
ABATEMENT METHOD (please note that not all code translations have been provided by the reporting agency):
ENFORCEMENT TYPE (please note that not all code translations have been provided by the reporting agency): *1*
DATE OF ENFORCEMENT (blank if not reported):

ENTER DATE (blank if not reported):
REVIEW DATE (blank if not reported):
DATE OF LEAK CONFIRMATION (blank if not reported):
DATE PRELIMINARY SITE ASSESSMENT PLAN WAS SUBMITTED (blank if not reported):
DATE PRELIMINARY SITE ASSESSMENT PLAN BEGAN (blank if not reported): *1999-01-01 00:00:00*
DATE POLLUTION CHARACTERIZATION PLAN BEGAN (blank if not reported):
DATE REMEDIATION PLAN WAS SUBMITTED (blank if not reported):
DATE REMEDIAL ACTION UNDERWAY (blank if not reported): *1965-01-03 00:00:00*
DATE POST REMEDIAL ACTION MONITORING BEGAN (blank if not reported):
DATE CLOSURE LETTER ISSUED (SITE CLOSED) (blank if not reported): *1999-08-05 00:00:00*
REPORT DATE (blank if not reported):

MTBE DATA FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD LUSTIS DATABASE

MTBE DATE(Date of historical maximum MTBE concentration):
MTBE GROUNDWATER CONCENTRATION:
MTBE SOIL CONCENTRATION:
MTBE CNTS: *0*
MTBE FUEL: *1*
MTBE TESTED: *SITE NOT TESTED FOR MTBE. INCLUDES UNKNOWN AND NOT ANALYZED*
MTBE CLASS: *

ASTM Databases (continued):

RCRA COR: ***Resource Conservation and Recovery Information System Corrective Action Sites***. The EPA's database of RCRIS sites with reported corrective action. This information is also reported in the standard RCRIS detailed data.

RCRA GEN: ***Resource Conservation and Recovery Information System Large and Small Quantity Generators***. The EPA's database of RCRIS sites that create more than 100kg of hazardous waste per month or meet other RCRA requirements. Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List).

RCRA NLR: ***Resource Conservation and Recovery Information System sites No Longer Regulated***. The EPA's database of RCRIS sites that create less than 100kg of hazardous waste per month or do not meet other RCRA requirements.

All RCRA databases are Updated quarterly

Non-ASTM Databases (continued):

RELEASES: ***Air and Surface Water Releases.*** A subset of the EPA's ERNS database which have impacted only air or surface water.

Updated semi-annually.

Soils: This database includes the State Soil Geographic (STATSGO) data for the conterminous United States. It contains information regarding soil characteristics such as water capacity, percent clay, organic material, permeability, thickness of layers, hydrological characteristics, quality of drainage, surface, slope, liquid limit, and the annual frequency of flooding. Source: United States Geographical Survey (USGS).

Updated quarterly

TRIS: ***Toxic Release Inventory System.*** The EPA's database of all facilities that have had or may be prone to toxic material releases. Source: Environmental Protection Agency.

Updated semi-annually.

WMUDS: DB TYPE = SW (SOLID WASTE RELATED SITES)
Source: The State Water Resources Control Board
Phone: (916) 227-4365

The State Water Resources Control Board maintained the Waste Management Unit Database System (WMUDS). It is no longer updated. It tracked management units for several regulatory programs related to waste management and its potential impact on groundwater. Two of these programs (SWAT & TPCA) are no longer on-going regulatory programs as described below. Chapter 15 (SC15) is still an on-going regulatory program and information is updated periodically but not to the WMUDS database. The WMUDS System contains information from the following agency databases: Facility, Waste Management Unit (WMU), Waste Discharger System (WDS), SWAT, Chapter 15, TPCA, RCRA, Inspections, Violations, and Enforcement's.

Note: This database contains poor site location information for many sites in the First Search reports; therefore, it may not be possible to locate or plot some sites in First Search reports.

ORANGE COUNTY LANDFILLS: DB TYPE = SW (SOLID WASTE RELATED SITES)
Source: Orange County Health Dept.
Phone: (714) 834-3536

LUSTIS: DB TYPE = LU (LEAKING UNDERGROUND STORAGE TANKS)
Source: The State Water Resources Control Board
Phone: (916) 227-4416

The State Water Resources Control Board maintains a database of sites with confirmed or unconfirmed leaking underground storage tanks. Information for this database is collected from the states regional boards quarterly and integrated with this database.

SAN DIEGO COUNTY LEAKING TANKS: DB TYPE = LU
(LEAKING UNDERGROUND STORAGE TANKS)
Source: San Diego County Dept. of Environmental Health
Phone: (619) 338-2242

Maintains a database of sites with confirmed or unconfirmed leaking underground storage tanks within its HE17/58 database. For more information on a specific file call the HazMat Duty Specialist at phone number listed above.

SLIC REGIONS 1 - 9: DB TYPE = SP (SPILLS-90)
Source: The CAL EPA Regional Water Quality Control Boards 1 - 9

The California Regional Water Quality Control Boards maintain report of sites that have records of spills, leaks, investigation, and cleanups. For phone number listings of departments within each region visit their web sites at: http://www.swrcb.ca.gov/regions.html

SAN DIEGO COUNTY HE17 PERMITS: DB TYPE = PE (PERMITS)

Source: The San Diego County Depart. Of Environmental Health
Phone: (619) 338-2211

The HE17/58 database tracks establishments issued permits and the status of their permits in relation to compliance with federal, state, and local regulations that the County oversees. It tracks if a site is a hazardous waste generator, TSD, gas station, has underground tanks, violations, or unauthorized releases. For more information on a specific file call the HazMat Duty Specialist at the phone number listed above.

CUPA DATABASES & SOURCES
(DB TYPE = US (UNDERGROUND STORAGE TANKS)

DEFINITION OF A CUPA: A Certified Unified Program Agency (CUPA) is a local agency that has been certified by the CAL EPA to implement six state environmental programs within the local agency's jurisdiction. These can be a county, city, or JPA (Joint Powers Authority). This program was established under the amendments to the California Health and Safety Code made by SB 1082 in 1994.

A Participating Agency (PA) is a local agency that has been designated by the local CUPA to administer one or more Unified Programs within their jurisdiction on behalf of the CUPA. A Designated Agency (DA) is an agency that has not been certified by the CUPA but is the responsible local agency that would implement the six unified programs until they are certified.

Please Note: Track Info Services, LLC collects and maintains information regarding Underground Storage Tanks from majority of the CUPAS and Participating Agencies in the State of California. These agencies typically do not maintain nor release such information on a uniform or consistent schedule; therefor, currency of the data may vary. Please look at the details on a specific site with a UST record in the First Search Report to determine the actual currency date of the record as provided by the relevant agency. Numerous efforts are made on a regular basis to obtain updated records.

ALAMEDA COUNTY CUPA'S
* County of Alameda Department of Environmental Health
* Cities of Berkeley, Fremont, Hayward, Livermore / Pleasanton, Newark, Oakland, San Leandro, Union

ALPINE COUNTY CUPA
* Health Department (Only updated by agency annually)

AMADOR COUNTY CUPA
* County of Amador Environmental Health Department

BUTTE COUNTY CUPA
* County of Butte Environmental Health Division (Only updated by agency biannually)

CALAVERAS COUNTY CUPA
* County of Calaveras Environmental Health Department

COLUSA COUNTY CUPA
* Environmental Health Dept.

CONTRA COSTA COUNTY CUPA
* Hazardous Materials Program

DEL NORTE COUNTY CUPA (US)
* Department of Health and Social Services

EL DORADO COUNTY CUPA'S
* County of El Dorado Environmental Health - Solid Waste Div (Only updated by agency annually)
* County of El Dorado EMD Tahoe Division
(Only updated by agency annually)

FRESNO COUNTY CUPA
* Haz. Mat and Solid Waste Programs

GLENN COUNTY CUPA
* Air Pollution Control District

HUMBOLDT COUNTY CUPA (US)
* Environmental Health Division

IMPERIAL COUNTY CUPA (US)
* Department of Planning and Building

INYO COUNTY CUPA (US)
* Environmental Health Department

SAN LUIS OBISPO COUNTY CUPA'S (US)
* County of San Luis Obispo Environmental Health Division
* City of San Luis Obispo City Fire Department
SAN MATEO COUNTY CUPA (US)
* Environmental Health Department
SANTA BARBARA COUNTY CUPA (US)
* Co Fire Dept Protective Services Div
SANTA CLARA COUNTY CUPA'S (US)
* County of Santa Clara Hazardous Materials Compliance Division
* Santa Clara Co Central Fire Prot. Dist. (Covers Campbell, Cupertino, Los Gatos, & Morgan Hill)
* Cities of Gilroy, Milpitas, Mountain View, Palo Alto, San Jose Fire, Santa Clara, Sunnyvale
SANTA CRUZ COUNTY CUPA (US)
* Environmental Health Department
SHASTA COUNTY CUPA (US)
* Environmental Health Department
SIERRA COUNTY CUPA (US)
* Health Department
SISKIYOU COUNTY CUPA (US)
* Environmental Health Department
SONOMA COUNTY CUPA'S (US)
* County of Sonoma Department Of Environmental Health
* Cities of Healdsburg / Sebastapol, Petaluma, Santa Rosa
STANINSLAUS COUNTY CUPA (US)
* Dept. of Env. Rsrcs. Haz. Mat. Div.
SUTTER COUNTY CUPA (US)
* Department of Agriculture
TEHAMA COUNTY CUPA (US)
* Department of Environmental Health
TRINITY COUNTY CUPA (US)
* Department of Health
TULARE COUNTY CUPA (US)
* Environmental Health Department
TUOLUMNE COUNTY CUPA (US)
* Environmental Health
VENTURA COUNTY CUPA'S (BWT UST'S & CERTIFIED UST'S)
* County of Ventura Environmental Health Division
* Cities of Oxnard, Ventura
YOLO COUNTY CUPA (US)
* Environmental Health Department
YUBA COUNTY CUPA (US)
* Yuba County of Emergency Services

APPENDIX C

NO Record

GARY W. ERBECK
DIRECTOR

County of San Diego

DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377

RICHARD HAAS
ASSISTANT DIRECTOR

OFFICE USE ONLY
Request # 3-176

REQUEST TO REVIEW DEH RECORDS

GEOCON
CONSULTANTS, INC.
ENVIRONMENTAL
GEOTECHNICAL
MATERIALS

Erin Murray
Staff Scientist

6970 Flanders Drive
San Diego, CA 92121-2974
Tel. (858) 558-6100
Fax (858) 558-8437
murray@geoconinc.com

A request is hereby made to review Department of Environmental Health (DEH) records, as indicated below for the following reason:

Erin Murray — Signature
Staff Scientist — Title
3.16.04 — Date

Each request is limited to a **MAXIMUM OF FIVE (5)** addresses. A separate form must be completed for each address.

11743 Woodside Avenue Lakeside, CA 92040 — Establishment Name
EXACT Address/City REQUIRED (No Street Ranges Accepted); Zip Code REQUIRED; File # (Optional)

Files checked for Confidential Information By/Date:	H#	AT#	NT#	T#	HIRT#	#

Files reviewed by: _____ of _____ Date: _____

Photocopies _____ Cost _____ Paid _____

Photocopies picked up/mailed on _____ Date By _____ Name

A review of records has been conducted and HMD finds no record of the files you requested for this site.

Joyce Elmer — Signature
Records Mgr — Title
3/23/04 — Date

DEH:HM-9098 (Rev. 3/99)

NO RECORD

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377

RICHARD HAAS
ASSISTANT DIRECTOR

OFFICE USE ONLY
Request # 3.177

REQUEST TO REVIEW DEH RECORDS

GEOCON
ENVIRONMENTAL
GEOTECHNICAL
MATERIALS

Erin Murray
Staff Scientist

6970 Flanders Drive
San Diego, CA 92121-2974
Tel. (858) 558-6100
Fax (858) 558-8437
murray@geoconinc.com

A request is hereby made to review Department of Environmental Health (DEH) records, as indicated below for the following reason:

Erin Murray — Signature
Staff Scientist — Title
3.16.04 — Date

Each request is limited to a **MAXIMUM OF FIVE (5)** addresses. A separate form must be completed for each address.

11745 Woodside Avenue — Establishment Name
Lakeside, CA 92040 — EXACT Address/City REQUIRED (No Street Ranges Accepted); Zip Code REQUIRED; File # (Optional)

Files checked for Confidential Information By/Date:	HM#	AT#	NT#	T#	HIRT#	#

Files reviewed by: _____ of _____ Date: _____

Photocopies _____ Cost _____ Paid _____

Photocopies picked up/mailed on _____ By _____
Date Name

☐ A review of records has been conducted and HMD finds no record of the file you requested for this site.

Joyce Elmore — Signature
Records Mgr — Title
3/23/04 — Date

DEH-HM-9098 (Rev. 3/99)

NO Recon

GARY W. ERBECK
DIRECTOR

County of San Diego

DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377

RICHARD HAAS
ASSISTANT DIRECTOR

OFFICE USE ONLY
Request # 3-178

REQUEST TO REVIEW DEH RECORDS

GEOCON
INCORPORATED
ENVIRONMENTAL
GEOTECHNICAL
MATERIALS

Erin Murray
Staff Scientist

6970 Flanders Drive
San Diego, CA 92121-2974
Tel. (858) 558-6100
Fax (858) 558-8437
murray@geoconinc.com

A request is hereby made to review Department of Environmental Health (DEH) records, as indicated below for the following reason:

Erin Murray — Signature
Staff Scientist — Title
3/16/04 — Date

Each request is limited to a MAXIMUM OF FIVE (5) addresses. A separate form must be completed for each address.

11747 Woodside Avenue Lakeside, CA 92040
Establishment Name — EXACT Address/City REQUIRED (No Street Ranges Accepted) — Zip Code REQUIRED — File # (Optional)

Files checked for Confidential Information By/Date:	H#	AT#	NT#	T#	HIRT#	#

Files reviewed by: _____ of _____ Date: _____

Photocopies _____ Cost _____ Paid _____

Photocopies picked up/mailed on _____ By _____
Date — Name

☐ Review of records/files/book conducted and HMD finds no record of the files/records requested for this site.

Joyce Ellmer — Signature
Records Mgr — Title
3/22/04 — Date

DEH-HM-9098 (Rev. 1/99)

NO RECORD

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377

RICHARD HAAS
ASSISTANT DIRECTOR

OFFICE USE ONLY
Request # 3.179

REQUEST TO REVIEW DEH RECORDS

GEOCON
CONSULTANTS, INC.
ENVIRONMENTAL
GEOTECHNICAL
MATERIALS

Erin Murray
Staff Scientist

6970 Flanders Drive
San Diego, CA 92121-2974
Tel. (858) 558-6100
Fax (858) 558-8437
murray@geoconinc.com

A request is hereby made to review Department of Environmental Health (DEH) records, as indicated below for the following reason:

Erin Murray — Signature
Staff Scientist — Title
3.16.04 — Date

Each request is limited to a **MAXIMUM OF FIVE (5)** addresses. A separate form must be completed for each address.

11749 Woodside Avenue Lakeside, CA 92040
Establishment Name — EXACT Address/City REQUIRED (No Street Ranges Accepted) — Zip Code REQUIRED — File # (Optional)

Files checked for Confidential Information By/Date:	H#	AT#	NT#	T#	HIRT#	#

Files reviewed by: _____ of _____ Date: _____

Photocopies _____ Cost _____ Paid _____

Photocopies picked up/mailed on _____ By _____
Date — Name

A review of records has been conducted and HMD finds no record of the files you requested for this site.

Signature — Title — Date: 3/28/04

DEH-HM-9098 (Rev. 3/99)

KATHLEEN A. THUNER

AGRICULTURAL COMMISSIONER
SEALER OF WEIGHTS
AND MEASURES

County of San Diego

DEPARTMENT OF AGRICULTURE, WEIGHTS & MEASURES
5555 Overland Ave., Bldg. 3, San Diego, CA 92123-1292

AGRICULTURE
(858) 694-2739
FAX
(858) 565-7046
WEIGHTS & MEASURES
(858) 694-2778

March 29, 2004

ERIN MURRAY
GEOCON
6970 Flanders Drive
San Diego, CA 92121-2974

REQUEST FOR PUBLIC INFORMATION NUMBER: 04-RP0050

Dear Mr. Murray:

In response to your request, pesticide use records for 2001 through 2004 were reviewed and no pesticide records for the site requested was located.

Please note our records reflect pesticides used in agricultural settings. No other pesticide uses are required to be reported by site. Therefore, our records only include sites where an agricultural commodity was produced at the site in the last four years, and where pesticide use was reported to this department. Our records do not include information on pesticides used in urban settings.

If you need to determine the presence or absence of pesticide residues at a location, you should contact an approved lab. We can provide a list of approved labs, which would provide such a service.

Sincerely,

SIMONE HARDY
Deputy Agricultural Commissioner/
Sealer of Weights and Measures

SH:tmt

APPENDIX D

H35322-001

DAMES & MOORE

9665 CHESAPEAKE DRIVE, SUITE 201, SAN DIEGO, CALIFORNIA 92123-1349
(619) 541-0833 FAX: (619) 541-0890

RECEIVED
MAY 2 5 20 PM '95
ENVIRONMENTAL
HEALTH SERVICES

May 2, 1995

Mr. Guy De Lisa
750 State Street, #224
San Diego, California 92101

Limited Soil Sampling Activities
Y Tire Sales, Inc.
11719 Woodside Avenue
Lakeside, California
For Mr. Guy De Lisa
D&M Job No. 30431-001-131

Dear Mr. De Lisa:

Pursuant to the request of Mr. Guy De Lisa, Dames & Moore has performed limited soil sampling and excavation observation activities at the subject site. The site is located at 11719 Woodside Avenue in Lakeside, California.

The accompanying report summarizes the results of the field activities and the analytical testing performed. The report also summarizes the removal of the impacted soils offsite by the generator, Mr. Felix Dupuy of Y Tire Sales.

As requested by Ms. Melody Harris in a telephone conversation on April 26, 1995, a copy of this report is also being submitted to the County of San Diego, Site Assessment Mitigation Division (SAM), to the attention of Mr. Larry Bodenhamer.

If you have any questions concerning the contents of this report, please contact the undersigned at your convenience.

Very truly yours,

DAMES & MOORE

Robert S. Johnston
RCE 42332
Associate

Enclosure: 2 copies report

c: Melody Harris, Attorney at Law
Larry Bodenhamer, County of San Diego SAM

DEH.
RECVD May 2, 1995 LEG

H35322-001

REPORT
LIMITED SOIL SAMPLING ACTIVITIES
Y TIRE SALES, INC.
11719 WOODSIDE AVENUE
LAKESIDE, CALIFORNIA
FOR MR. GUY DE LISA

DAMES & MOORE

Job No. 30431-001-131
May 2, 1995

1.0 INTRODUCTION

This report presents the results of the limited soil sampling and excavation observation activities conducted at the subject site. The site is located at 11719 Woodside Avenue in Lakeside, California. The approximate location of the site is outlined on the Site Plan (Figure 1).

1.1 BACKGROUND

Mr. Robert Johnston of Dames & Moore accompanied Ms. Melody Harris, Attorney-at-Law, during a site visit on Friday, December 2, 1994. The site visit indicated that the property is occupied by a garage-type structure formerly utilized by Y Tire Sales, Inc. (Y Tire). Mr. Guy De Lisa, property owner, was also present on site and indicated the area previously sampled by Woodward-Clyde Consultants (WWC), as outlined in the letter report dated October 20, 1994. Four patched boreholes were observed during the site visit. A copy of the WWC report is presented in Appendix A.

A review of the above-referenced WWC report indicates that four hand-auger borings were excavated adjacent to the garage structure and in the vicinity of the former waste oil drum storage area. The hand-augers were excavated to depths of approximately 16 inches below the top of the asphalt and yielded concentrations of Total Recoverable Petroleum Hydrocarbons (TRPH) utilizing EPA Test Method 418.1 ranging from 16 mg/kg to 750 mg/kg. In addition, Total Petroleum Hydrocarbons (TPH) using EPA Test Method 8015, were also measured in two of the borings with concentrations ranging from below detection limits to 820 mg/kg. The above report indicates that the TPH measured are characteristic of diesel fuels (carbon range C14 to C24) and 30 weight motor oil (carbon range C25 to C36). Additionally, the report indicates mitigation of the surface soils is likely; the California Regional Water Quality Control Board (RWQCB) has established the basin as having potential beneficial groundwater uses with tentative mitigation levels of 100 mg/kg in subsurface soils. The vertical extent of TRPH/TPH impacts had not been defined as of the date of the above report.

1.2 PURPOSE AND SCOPE

Based on the above information, the purpose of the environmental engineering services was to obtain additional information on the vertical and areal extent of TPH/TRPH impacts and to observe the excavation activities. The scope of services is outlined below:

- Prepared a Health and Safety Plan. A health and safety plan was prepared to outline the use of personal protective equipment (PPE) for Dames & Moore employees during the field activities. A copy of the plan is presented in Appendix B.

- Prepared a Work Plan. A work plan was prepared and submitted to the County of San Diego Site Assessment and Mitigation (SAM) Group outlining the proposed field activities.

- Prepared an Application for SAM Assistance form. The application for SAM Assistance Form was prepared to initiate the selection of a case worker at the County. The costs involve the submittal of a check for $160 (2 hours of a SAM case worker) to start the initial project review.

- Retained, as the client's agent, a subcontractor to initially excavate backhoe trenches in the vicinity of the drum storage area to attempt to identify the vertical and areal extent of impacted soils with TRPH/TPH in excess of 100 mg/kg.

- Performed observations during the field activities. A representative of Dames & Moore observed the excavation activities and collected soil samples for subsequent analysis.

- Retained a mobile laboratory to perform laboratory testing. A total of 17 samples were submitted to the mobile laboratory for TRPH analyses; two samples were submitted for volatile aromatics analyses utilizing EPA Test Method 8020, and one sample was submitted for purgable hydrocarbons analyses utilizing EPA Test Method 8010.

- Observed the contractor backfilling the excavations and placing asphalt.

2.0 PRE-FIELD ACTIVITIES

Pre-field activities were performed by representatives of Dames & Moore to provide planning and support for the proposed field activities. A summary of the pre-field activities are outlined below:

2.1 WORK PLAN

A work plan was prepared by Dames & Moore representatives and submitted to the County of San Diego SAM on February 22, 1995. A copy of the work plan is presented in Appendix B. Mr. Robert Johnston of Dames & Moore contacted Mr. Larry Bodenhamer of SAM to obtain approval of the work plan. Mr. Bodenhamer requested an additional sample be obtained at the bottom of the excavation and analyzed for the presence of purgable hydrocarbons utilizing EPA Test Method 8010.

2.2 HEALTH AND SAFETY PLAN

The Health and Safety Plan was prepared by representatives of Dames & Moore to provide guidelines for use of personal protective equipment (PPE) during the proposed field activities. The Plan was prepared and reviewed by a Dames & Moore Certified Industrial Hygienist. A copy of the Health and Safety Plan is also presented in Appendix B.

2.3 UNDERGROUND SERVICE ALERT

A representative of Dames & Moore contacted Underground Service Alert (USA) on March 16, 1995. The USA services number of 42542 was obtained for the project.

3.0 FIELD ACTIVITIES AND RESULTS

3.1 EXCAVATION ACTIVITIES

The excavation activities were conducted on March 17, 1995 by Ace Excavation of El Cajon of California. Ace Excavation initially saw-cut the area to be excavated and removed the asphalt concrete. The area was excavated to a depth of 12 to 18 inches and soil samples

obtained from the bottom of the excavation. The soil samples were submitted to the on-site mobil laboratory (TEG) by a representative of Dames & Moore.

which ones? does not make sense.

Based upon the results of the samples, additional excavation was warranted in the eastern portion of the excavation. Limited debris, including some gravel, was observed in the excavation. These materials were excavated and were placed on the spoils pile as outlined in Figure 2. ?

3.2 SAMPLING ACTIVITIES

Sampling activities were conducted by a representative of Dames & Moore during the remedial excavation operations. The sampling activities were conducted by utilizing a pre-cleaned stainless steel spade and/or four inch diameter stainless steel hand-auger, obtaining the samples for analysis by the on-site mobile laboratory. The spade/hand auger was precleaned using an alconox solution with a double tap water use rinse. Due to the results of sampling and visual observations, areas near the building and near the edge of the excavation, were re-excavated to depths of approximately 2 to 6-1/2 feet below the existing ground surface.

The approximate location of soil samples obtained at the bottom of the excavation are shown on Figure 2. Cross-section depicting the location of the soil samples obtained are presented as Figure 3.

The results of laboratory tests performed are outlined in Table 1. The results indicate that three soil samples (Soil Sample YT-7, YT-9, and YT-3) yielded concentrations in excess of 100 milligrams/kilograms of TRPH utilizing EPA Test Method 418.1. In addition, due to the concentrations encountered in along the southern excavation side-wall sample, YT-13 and YT-14 was also analyzed for the presence of volatile aromatics utilizing EPA Test Method 8020. The results of the aromatic analysis yielded concentrations less than the analytical test methods. South Excav

Due to the results obtained from YT-7, YT-3, and YT-9, additional excavation activities were performed along the building edge and along the southern edge of the excavation. Additional samples obtained in the vicinity of YT-3 and YT-7 yielded concentrations below analytical detection methods (Soil Samples YT-3A, YT-3V and YT-7). The area representative of YT-9 was over-excavated with peripheral sampling conducted (YT-6A,

YT-15, and YT-14) to further confirm that the area excavated in the vicinity of YT-9 was isolated. Soil Sample YT-7B was also obtained below YT-9 at a depth of 3.9 feet; the results indicated concentrations of TRPH below detection limits as outlined by EPA Test Method 418.1.

The analytical results are summarized on Table 1 with copies of the laboratory reports presented in Appendix C.

3.3 DISPOSAL OF EXCAVATED MATERIALS

The excavated materials were stockpiled on visqueen and covered with visqueen in the location shown on the Site Plan (Figure 2). The generator, Y Tire Sales, Inc., requested Falcon Disposal Services, Inc./PMS Transportation for a screening profile from the materials excavated. The screening profile indicated that concentrations of lead exceeded the California Code of Regulations (CCR), Title 22, Soluble Threshold Limit Concentration (STLC). The lead concentration measure was 11.7 mg/l, which is in excess of the 5.0 mg/l threshold. The materials were subsequently classified as a non-RCRA hazardous waste and transported offsite by Falcon Disposal Services (under the direction of Y Tire Sales, Inc.) on April 7, 1995. Copies of the analytical screening results and the Uniform Hazardous Waste Manifests are presented in Appendix D.

4.0 FINDINGS AND CONCLUSIONS

1. A review of the Woodward-Clyde Consultants report dated October 20, 1994 indicates that releases from storage of waste oil at the Y Tire Sales property resulted in surficial impacts to the soil behind the existing garage structure. The impacts measured ranged from 13 to 750 mg/kg utilizing EPA Test Method 418.1.

2. A work plan was submitted to the County of San Diego SAM to perform limited soil sampling/excavation observations in this area. Mr. Roberts S. Johnston of Dames & Moore confirmed approval of the work plan with Mr. Larry Bodenhamer of SAM. The approval was predicated on the analysis of additional soil samples from the bottom of the excavation for purgable hydrocarbons utilizing EPA Test Method 8010 and for volatile aromatics utilizing EPA Test Method 8020.

3. The limited excavation activities were performed on March 17, 1995. The excavation activities originally were proposed for 1-1/2 to 2 feet in depth, however, the results of the TRPH tests and visual observations required additional excavation along the building and along the southern excavation edge.

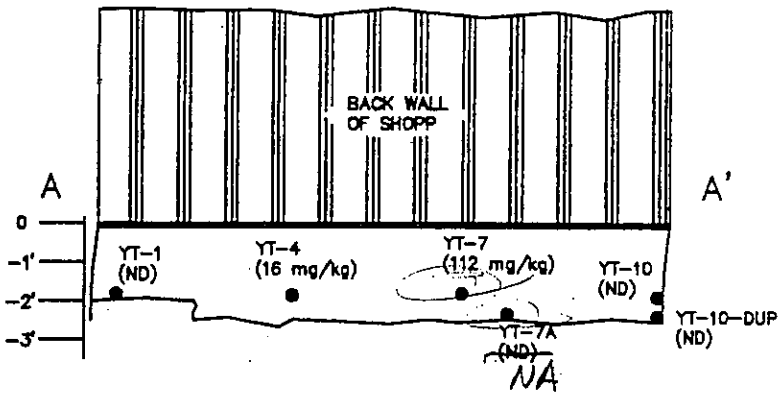
4. The results of soil samples analyzed for the presence for TRPH obtained at the limits of the excavation indicated concentrations of less than 100 mg/kg.

5. The results of the soil samples obtained and analyzed for the presence of purgable hydrocarbons halocarbons, utilizing EPA Test Method 8010, and volatile aromatics, utilizing EPA Test Method 8020 indicated concentrations in the soil samples analyzed of less than the analytical detection limits.

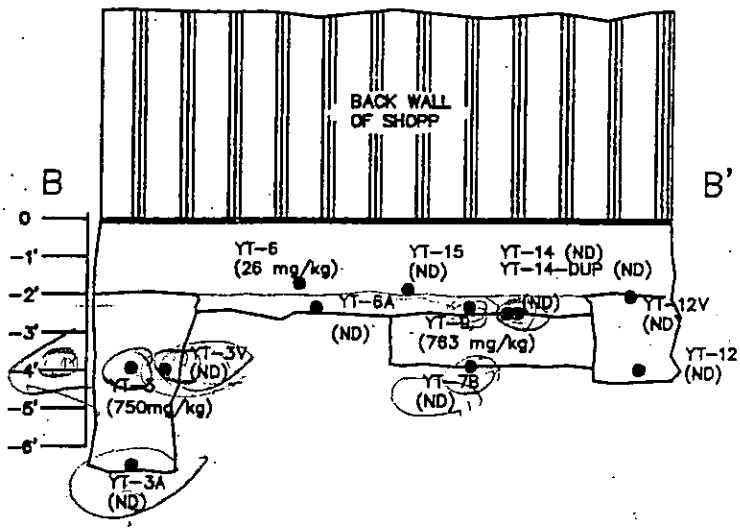
6. The materials excavated were screened and were demonstrated by Y Tire Sales, Inc. to contain concentrations of lead that rendered the materials hazardous in accordance with CCR Title 22. The presence of lead is typically associated with waste oil impacts; although lead was not a target analyte in the samples analyzed at the limits of the excavation, the fate and transport of lead is influenced by the presence of TRPH (waste oil) and is not expected to be present at the limits of the excavation without the presence of waste oil. As demonstrated above, soil samples obtained from the limits of the excavation did not contain concentrations above 100 mg/kg of TRPH. ?

7. The material excavated was transported to the Kettleman Hills Hazardous Waste Management Facility under the direction of the generator, Y Tire Sales.

8. Based on the above information, it is requested that the County of San Diego SAM review the report and issue an opinion letter concerning the necessity of further action relating to the previous referenced waste oil release on the property.



CROSS-SECTION A - A'



CROSS-SECTION B - B'

LEGEND:

(763 mg /kg) - TRPH CONCENTRATION (EPA TEST METHOD 418.1)

SCALE 1" ≈ 5'

N

CROSS-SECTIONS
A - A' AND B - B'
Y TIRE FACILITY
LEASED PROPERTY
LAKESIDE, CALIFORNIA
PREPARED FOR
D&M Job No. 30431-001-131

DAMES & MOORE
FIGURE 3

DAMES & MOORE

9665 CHESAPEAKE DRIVE, SUITE 201, SAN DIEGO, CALIFORNIA 92123-1349
(619) 541-0833 FAX: (619) 541-0890

H35322-001

RECEIVED
MAY 31 3 55 PM '95
ENVIRONMENTAL
HEALTH SERVICES

May 26, 1995

San Diego County
Department of Environmental Health (DHE)
Site Assessment Mitigation (SAM)
1255 Imperial Avenue
San Diego, California 92101

Attention: Mr. Mark Fitzmaurice

Y Tire Sales
11719 Woodside Avenue, Lakeside, California
Consultation Letter
D&M Job No. 30431-001-131

Dear Mr. Fitzmaurice:

In accordance with your request, Dames & Moore has prepared this supplementary consultation letter to provide additional information concerning the subject site. Dames & Moore previously submitted a report entitled "Limited Soil Sampling Report for Y Tire Sales," dated May 2, 1995 to the County of San Diego SAM for review.

Pursuant to your telephone request, Dames & Moore has obtained additional information from the owner of the site regarding the following items:

- *Woodward-Clyde Bore Hole Locations*

  The Woodward-Clyde Consultants Report dated October 20, 1994 indicates that four bore holes were excavated to depths of approximately 18-inches below the existing ground surface. The approximate location of the bore hole locations was not included in the Woodward-Clyde report. However, the owner of the facility, Mr. Guy De Lisa, measured the locations of the bore holes; the bore holes are plotted on the attached Site Plan (Figure 2).

- *Location of Waste Oil Drums and Other Debris*

  The approximate location of the three waste oil drums observed in attached pictures are also shown on the Site Plan. In addition, numerous abandoned wheels are shown on the Site Plan. It should be recognized that the locations of these items are predicated solely on the pictures provided for our use. Additionally, the pictures exhibit discoloration along the walls of the building in the waste oil storage area.

- *Rationale for Deeper Excavations*

  The Work Plan proposed the overall excavation of the waste oil storage area to a depth of approximately 24 inches. However, the excavation was deepened in areas due to the field observations and results of laboratory tests. The attached Site Plan (Figure 2) identifies dashed areas where deeper excavations were performed based on observations during the sampling activities and upon the results of the analytical laboratory tests.

- *Sample Selections at Bottom of Excavation*

  Conversations with Mr. Larry Bodenhamer of the County of San Diego SAM indicated samples obtained from the bottom of the proposed excavation (approximately 24 inches) be analyzed for the presence of solvents (EPA Test Method 8010) and volatile aromatics (EPA Test Method 8020). The rationale presented by Mr. Bodenhamer focused on the migration of solvents (possibly present in the waste oil) in advance of the waste oil migration (as measured by EPA Test Method 418.1) due to the lower viscosity and higher solubility of the possible solvents postulated to be present in waste oil.

We hope this information meets with your approval; we look forward to discussing this case with you at your earliest convenience to evaluate the procedures for obtaining a closure letter.

If you have any questions, please contact the undersigned at your convenience.

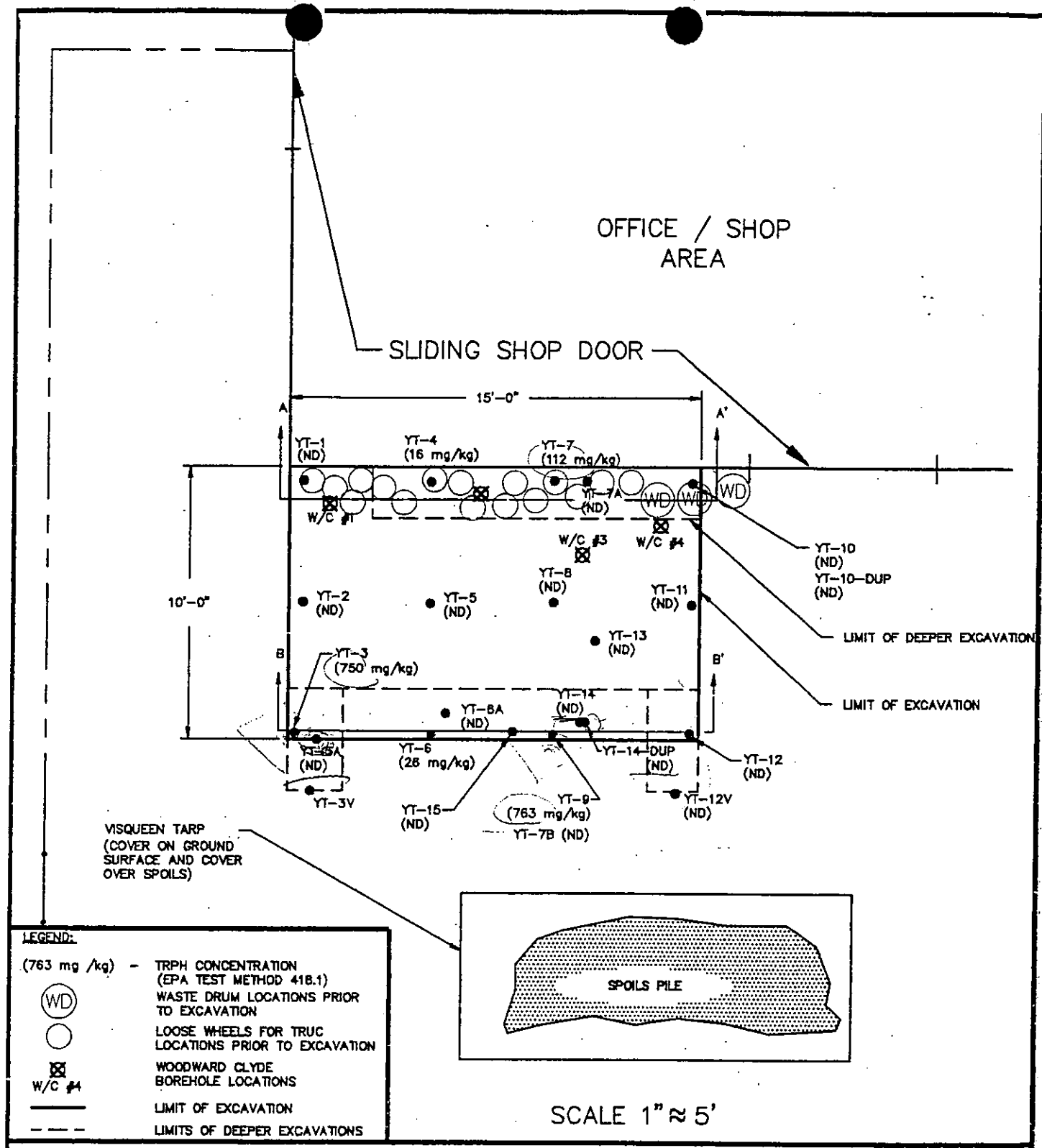
Very truly yours,

DAMES & MOORE

Robert S. Johnston
Associate

Attachments: Site Plan (Figure 2) and Photographs

c: Melody Harris, Attorney-at-Law
401 West "A" Street, Suite 2100
San Diego, California 92101



SITE PLAN
Y TIRE FACILITY
LEASED PROPERTY
LAKESIDE, CALIFORNIA
PREPARED FOR
D&M Job No. 30431-001-131

DAMES & MOORE
FIGURE 2

SITE ASSESSMENT CASE CLOSURE SUMMARY

DEH/SAM FILE: H35322-001 T75 DATE: August 22, 1995

RESPONSIBLE PARTY: Guy De Lisa

SITE/FACILITY NAME: Y Tire Sales

SITE/FACILITY ADDRESS: 11719 Woodside Avenue, Lakeside, CA 92040

OFF SITE IMPACTS? NO

BENEFICIAL USE GROUND WATER? YES

GROUND WATER AFFECTED? NO

FULL DELINEATION ACHIEVED? YES

CONCURRENCE WITH RWQCB STAFF: Charles Cheng DATE: July 13, 1995

CONCURRENCE WITH SA/M HYDROGEOLOGIST: Kevin Heaton DATE: July 10, 1995

CONCURRENCE WITH SA/M SUPERVISOR: Larry Bodenhamer DATE: July 6, 1995

DISPOSAL AND REMEDIATION SUMMARY

CAUSE AND TYPE OF RELEASE: Spillage of waste oil from 55 gallon capacity drums.

TYPE OF REMEDIATION USED AT SITE: Excavation of petroleum contaminated soil.

QUANTITY OF SOIL DISPOSED: 40,000 pounds MANIFESTS PROVIDED? YES

DISPOSAL LOCATION: Chemical Waste Management, 35251 Old Skyline Road, Kettleman Hills, CA

CLEANUP LEVELS ESTABLISHED: 100 ppm Total Recoverable Petroleum Hydrocarbons (TRPH)

MAXIMUM CONCENTRATIONS REMAINING ON SITE:

	8015/DEH - TPH	418.1 - TRPH	BTXE
SOIL	ND	<100 ppm TRPH	ND
WATER	NA	NA	NA

	VOLATILE ORG.	SEMIVOLATILE ORG.	HALOGENATED ORG.
SOIL	ND	NA	ND
WATER	NA	NA	NA

	PESTICIDES & PCB'S	TOTAL LEAD	HEAVY METALS
SOIL	NA	ND	ND
WATER	NA	NA	NA

NA = Not Analyzed ND = Not Detected

ADDITIONAL COMMENTS: Waste oil had spilled/leaked onto the ground surface from 55 gallon capacity drums that were stored in the yard alongside of the workshop. Soil contaminated with the oil was removed, and over 20 soil samples were collected and analyzed from the 10 foot by 15 foot excavation that extended to depths of up to 6 feet. Clean imported soil was used to back fill the pit.

H35322-001 Y Tire Sales, Inc.

1994, 2-55 gallon capacity drums of waste oil were stored on dirt lot. The oil drums were removed and the stained soil was excavated, after which the dirt lot paved over with asphalt.

9-26-94, 4 soil samples collected from 4 separate borings had 13 ppm at 15' & 16 ppm TRPH at 15', adjacent to building, and 110 ppm at 8' & 750 ppm TRPH at 6' adjacent to the former drum storage area.

3-13-95, SAM received Application For Assistance and $160.

3-17-95, report for cutting and removing asphalt and excavation of soil to depths of 1 to 6.5'. Samples collected from excavation with spade and hand auger. Excavation down to 6' bg at some points, soil samples up to 750 at 4.2' bg. ND for BTEX and Chlorinates. Stockpiled soil on plastic and covered with same, screening(?) showed 11.7 mg/l lead STLC (non-RCRA hazardous waste). 40,000 pounds (as per telephone conversation with P.M.S.) contaminated soil hauled to Chemical Waste Management in Kettleman Hills, CA.

5-26-95, addendum report.

6-8-95, con. w/ D. Felix. Determined that additional assessment must take place west of YT-3 and south of YT-9 and/or the reason why the consultant believes that soil remaining on site has <100 ppm TRPH.

6-12-95, left tel. message for Robert Johnston of D&M.

6-15-95, left tel. message for Robert Johnston of D&M.

7-6-95, review of addendum report w/D. Felix. Determined that case should be closed.

7-10-95, con. w/K. Heaton, determined that the case is ready for closure.

7-13-95, con. w/C. Cheng of RWQCB. Determined that no further action is required and that the case is ready for closure.

File

County of San Diego

GARY R. STEPHANY
DIRECTOR

DANIEL J. AVERA
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377
SITE ASSESSMENT AND MITIGATION DIVISION

August 22, 1995

Guy De Lisa
750 State Street #224
San Diego, CA 92101

Dear Mr. De Lisa:

RE: Y TIRE SALES, 11719 WOODSIDE AVENUE, LAKESIDE, CA 92040
APN: 382-220-01 UNAUTHORIZED RELEASE
DEH/SAM FILE: #H35322-001

The site remediation information submitted to this agency by Dames & Moore, summarizing the site characterization and mitigation activities at the above referenced location has been reviewed. With the provision that the information provided to this agency was accurate and representative of existing conditions, it is the position of this office that **no further action is required at this time.**

This information has also been discussed with staff of the Regional Water Quality Control Board (RWQCB). Based on the information submitted and current requirements, the RWQCB concurs with the determination of this agency that no further action is required at this time.

Please be advised that this letter does not relieve you of any liability under the California Health and Safety Code or Water Code for past, present, or future operations at the site. Nor does it relieve you of the responsibility to clean up existing, additional or previously unidentified conditions at the site which cause or threaten to cause pollution or nuisance or otherwise pose a threat to water quality or public health.

Thank you for your efforts in resolving this matter. Please contact Mark Fitzmaurice of the Site Assessment and Mitigation Division, at (619) 338-2456, if you require additional assistance.

Sincerely,

CHUCK PRYATEL, Division Manager
Site Assessment and Mitigation Division

CP:hb

cc: Charles Cheng, Regional Water Quality Control Board
Robert S. Johnston, Dames & Moore

"Prevention Comes First"

WP\35322NFA

CASE SUMMARY

H 35322-001
APN:
SITE NAME: Y-Tire Sales
SITE ADDRESS: 11719 Woodside Ave, Lakeside

CASE/SITE CONTACT:

RP(s):

CONTAMINANT:

SITE LAND USES (past and present):

SURFACE WATER:

GROUND WATER (beneficial/non-beneficial):
Aquifer:
Depth:

TOPOGRAPHY:

GEOLOGY/LITHOLOGY:

20 samples.

40,000 lbs

TANK(s) DESCRIPTION (#,type,size,contents,removal date):

EXTENT OF CONTAMINATION: CLEANUP LEVEL (SOIL/GROUNDWATER):
Soil: TPH/TRPH: 150 ppm TRPH (120 ppm diesel) 100 ppm
Benzene: ND
Cl.: ND
Pb: 255 ppm lead. 11.7 mg/L STLC Haz. waste, 5 mg/l lead.
Water: TPH/TRPH
Benzene:
Cl.:
Pb:
Only soil samples collected from stockpile were analyzed for lead.
CORRECTIVE ACTION STATUS:
REIMBURSEMENT FUND: YES/NO $ Date:

COUNTY OF SAN DIEGO

INSPECT # H 35322

PAGE 1 OF 5

SPECIALIST: D Martinez

OFFICIAL NOTICE
NOTICE OF VIOLATION

BUSINESS NAME LAKESIDE MOTORS PHONE 561-1300

BUSINESS ADDRESS 11719 Woodside AV CITY Lakeside ZIP 92040

OWNERS NAME Jim Byrnes PHONE 561-1300

OWNERS ADDRESS Same CITY AUG 13 1996 ZIP

An inspection of your business was conducted, under the authority of Section 25185 of the California Health and Safety Code. This inspection was conducted with the purpose of determining compliance with Chapters 6.5, 6.7, 6.95 in Division 20, of the California Health and Safety Code (H&S); Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following statements describe conditions which are violations of the law or that require further investigation. These observations require a formal response and/or immediate corrective action be taken. Failure to correct these violations or to provide information requested in a timely manner may be a factor in determining the course of further legal action.

(1) A complaint was received by the Hazardous Materials Management Division of the County of San Diego alleging the discharge of solvents to the ground from engine cleaning operations. An investigation conducted today revealed the following: Engines are occassionaly degreased (when needed) using a sodium hydroxide Base liquid solution "Red Devil". A small sump is onsite hooked up to sewer that is cleaned out weekly. The sludge removed from this sump is being disposed of to trash. This practice is not allowed and constitutes illegal disposal of a Hazardous waste to an ~~~~ unauthorized location. Degreasing sludges are classified as hazardous waste & must be managed under specific guidelines.

CORRECTIVE ACTION: Immediately discontinue the disposal of this sludge to the trash. Obtain a container to store this waste and dispose by using a Hazardous waste hauler that is registered with the state. Containers must be labeled with a hazardous waste label and you must retain copies of Disposal receipts/manifest onsite for three years.

PRINT FULL NAME: THOMAS H. BENZINGER DATE: 7-31-97

(ESTABLISHMENT REPRESENTATIVE'S SIGNATURE) JOB TITLE: Mechanic

IDENTIFICATION (CA DRIVERS LICENSE #, OR DATE OF BIRTH) 8-22-50

Signature - Hazardous Materials Specialist 7/31/97 Date

☒ If this box is checked, provide written documentation of compliance with this notice to this office within 15 days. Section 66272.1 (d) of the CA Code of Regulations requires, that at a minimum, this documentation must state:
1. The corrective action to be taken, and
2. The expected date of completion.

Department of Environmental Health, Hazardous Materials Management Division, P. O. Box 85261 San Diego CA, 92186-5261

(619) 338-2222

945 — 1145

☐ OFFICE USE ONLY
Reinspection fee Required if Marked

DISTRIBUTION: WHITE - HMMD FILE
YELLOW - ESTABLISHMENT COPY

DEH:HM-912 (1/95) (NCR)

COUNTY OF SAN DIEGO

EST. NUMBER H 35322

DATE 7 / 31 / 97

PAGE 2 OF 5

SUPPLEMENTAL INSPECTION REPORT

Office Use Only

BUSINESS ADDRESS: 11719 Woodside Lakeside ZIP CODE: 92040

(2) Facility generates used oil filters which have been disposed to the regular trash. Oil filters are also to be disposed under specific guidelines. You must not dispose of any to the regular trash.
CORRECTIVE ACTION: Immediately discontinue the disposal of used filters to the trash. Obtain an adequate container & dispose by following applicable requirements (see handout provided)

(3) Facility generates antifreeze waste periodically. Employee stated that antifreeze is taken to the "SHELL Station" "down the road". This practice is not allowed and is a violation for illegal transportation of a Hazardous Waste and illegal disposal to an unauthorized Facility. You must obtain a container to store the waste antifreeze, label this container properly & dispose using a registered hazardous waste hauler or have the antifreeze recycled onsite. In either case documentation (ie receipts, manifests) must be maintained to verify proper disposal
CORRECTIVE ACTION: Immediately discontinue the practice discussed and manage this hazardous waste as explained

(4) Facility generates used oil that is stored in one gallon containers. An employee stated the oil is taken to the "Shell Station". Facilities generating very small quantities of hazardous waste less than (20 gallons per month) can self haule used oil only to an authorized collection Station. A receipt must be obtained & maintained onsite. A list of authorized collections Stations will be mailed to you

Signature of Business Representative — Date Signed: 7/31/97 — Title: Mechanic

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

COUNTY OF SAN DIEGO

SUPPLEMENTAL INSPECTION REPORT

EST. NUMBER H 35322
DATE 7 / 31 / 97
PAGE 3 OF 5

Office Use Only

BUSINESS ADDRESS: 11719 Woodside AV Lakeside ZIP CODE: 92040

~~Shortly~~ shortly... If the Shell station is not on the list, a different facility must be used. The containers used to store the oil must be labeled as Hazardous waste.

CORRECTIVE ACTION: Provide labels for the waste oil containers (seven onsite) as indicated. Recommend obtaining a larger container 5 gallons to facilitate labeling requirements

COMMENTS:

It has been determined by this inspection that this facility requires a Hazardous Materials Health Permit from this Department due to the generation of the hazardous wastes listed below:

① degreasing sludge
② used oil & filters
③ waste antifreeze
④ battery cores

The following items require your immediate attention to comply with pertinent laws & regulations:

① within 30 days complete & submit pages 15 & 21-24 of the Hazardous Materials Business Plan Packet provided today. Assure to retain a copy onsite

② Within 30 days complete & submit the permit application provided today.

③ You will be required to conduct annual employee

Signature of Business Representative 7/31/97 Date Signed Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

COUNTY OF SAN DIEGO

EST. NUMBER H 35322
DATE 7/31/97
PAGE 4 OF 5

SUPPLEMENTAL INSPECTION REPORT

Office Use Only

BUSINESS ADDRESS: 1179 Woodside Lakeside ZIP CODE: 92040

training to ensure all employees are familiar with emergency procedures and management requirements for hazardous wastes & materials. Document training in the log sheet provided

(4) Provide hazardous waste labels for all containers used to store such wastes

(5) Obtain an EPA Identification number (required for manifesting purposes) by calling Dept of Toxics @ (800) 618-6942 See Handout

(6) Obtain adequate containers for the wastes generated

NOTE: A valid Health Permit will not be issued until applicable Fees are paid to the Department. An itemized invoice will be mailed shortly. TO avoid late Fees & Penalties pay the owed Fees in the time frame indicated.
R.

Failure to comply with all the requirements mandated by this notice may result in legal action that includes Substantial Penalties

Signature of Business Representative 7/31/97 Date Signed Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

DEH:HM-9110 (3/96) NCR

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COUNTY OF SAN DIEGO

EST. NUMBER H 35322

COMPLIANCE INSPECTION REPORT

DATE 7 / 31 / 97

BUSINESS ADDRESS: 11719 Woodside Av Lakeside 92040

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19/22/23 of the California Code of Regulations (CCR), Chapters 6.5, 6.7, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

I HAZARDOUS WASTE REQUIREMENTS:

RECORD KEEPING

- [X] Health Permit not obtained SDCC 68.905 — V0108 W____
- [X] No EPA Identification Number 66262.12 — V0105 W____
- [ ] Waste Manifests/Receipts not on-site for 3 years 66262.40 — V0118 W____
- [ ] Manifest not properly completed 66262.23 — V0120 W____
- [ ] Manifest copy not sent to DTSC 66262.23 — V0115 W____
- [ ] TSDF signed-manifest not on-site 66262.40 — V0121 W____
- [ ] Biennial report not sent to DTSC 66262.41 — V0122 W____
- [ ] LDR Documentation not available 66268.7 — V0123 W____
- [ ] Exception Rpt. not filed with DTSC 66262.42 — V0116 W____
- [ ] Operating TSDF without authorization 25201 — V0124 W____

STORAGE AND HANDLING

- [ ] Waste stored longer than 90, 180, or 270 days 66262.34 — V0221 W____
- [ ] Failure to clean up hazwaste off of floor surface 66262.10b — V0313 W____
- [X] Waste container missing/improperly labeled 66262.34 — V0222 W____
- [ ] Haz Materials not properly labeled 25124 — V0223 W____
- [ ] Waste container not kept closed 66265.173 — V0202 W____
- [ ] Waste container in poor condition 66265.171 — V0205 W____
- [ ] Waste container(s) not properly managed 66265.173 — V0210 W____
- [ ] Damaged container not repackaged 66265.171 — V0226 W____
- [ ] Container incompatible with waste 66265.172 — V0207 W____
- [ ] Incompatibles in the same container 66265.177 — V0224 W____
- [ ] Incompatibles not stored separately 66265.177 — V0213 W____
- [ ] Ignitible Waste less than 50 feet 66265.176 — V0214 W____
- [ ] Ignitible Waste not grounded 66265.31 — V0215 W____
- [ ] Storage area not inspected weekly 66265.174 — V0216 W____

DISPOSAL AND TRANSPORTATION

- [X] Unauth. disposal of waste to Shell 25189.5 — V0313 W____
- [ ] Waste determination not made 66262.11 — V0319 W____
- [X] Unlawful transport of haz. waste 25163 — V0315 W____
- [ ] Waste transported without manifest 66262.20 — V0316 W____
- [ ] Extremely Haz Waste Permit not obtained 25205.7 — V0317 W____

TRAINING, CONTINGENCY PLAN & EMERGENCY PROCEDURES

- [X] Training records unavailable 66265.16 — V0405 W____
- [ ] Training program not adequate 66265.16 — V0406 W____
- [ ] Facility not designed to minimize release 66265.31 — V0501 W____
- [ ] Spill control equip not available 66265.32 — V0508 W____
- [ ] Aisle space is obstructed 66265.35 — V0509 W____
- [X] Contingency plan not prepared and/or on file 66265.51, 66265.53 — V0609 W____

MISCELLANEOUS

- [ ] Waste oil contaminated 25250.7 — V0225 W____
- [X] Used oil filters improperly managed 66266.130 — V0701 W____
- [ ] Damaged batteries improperly managed 66266.81 — V0702 W____
- [ ] Facility has failed to notify local CUPA and DTSC of onsite treatment of hazardous waste (tiered permitting) — V0125 W____
- [ ] Onsite treatment of waste without authorization 25201 — V0125 W____

II UNDERGROUND STORAGE TANK (UST) REQUIREMENTS:

GENERAL UST REQUIREMENTS

- [ ] Health Permit not obtained 68.1005, 25284 — V3002 T____
- [ ] Repair/modify/close permit not obtained 68.1005 — V3007 T____
- [ ] UST Permit Application not submitted 25286(a) — V3010 T____
- [ ] Operating permit conditions violated 2712 — V3011 T____
- [ ] Failed to notify HMMD of changes 25284 — V3012 T____
- [ ] No owner/operator agreement 25284 — V3005 T____
- [ ] No records of financial coverage 25292.2 — V3013 T____
- [ ] No maint/monit/calib records available 2712(b), 2641(j) — V3001 T____
- [ ] Monitoring Equip. not tested annually 2630, 2641 — V3003 T____

MONITORING REQUIREMENTS (SINGLE WALL)

- [ ] Leak Detection Method does not meet performance standards 2643 — V3014 T____
- [ ] Integrity test not conducted 25292 — V3015 T____
- [ ] Copy of tank test not submitted to HMMD within 30 days 2643 — V3016 T____
- [ ] Manual tank gauging (<2000 gal) 2645 not done properly — V3017 T____
- [ ] Reconciliation not done properly 2646 — V3018 T____
- [ ] Reconciliation not approved for facility 2646 — V3019 T____
- [ ] Dispenser meter(s) not calib annually 2646 — V3020 T____
- [ ] Improper liquid measurements 2646 — V3021 T____
- [ ] Stick in poor condition 2646 — V3022 T____
- [ ] Improper monthly reconciliation 2646 — V3023 T____
- [ ] Failed to report excessive variation 2646 — V3024 T____
- [ ] Pressurized Product Piping Leak Device not tested annually 25292 — V3025 T____
- [ ] No written monitoring procedure 2641 — V3027 T____
- [ ] No written emergency response plan 2641 — V3027 T____
- [ ] SIR reporting incorrectly done 2646.1 — V3004 T____

MONITORING REQUIREMENTS (DOUBLE WALL)

- [ ] Monitoring system not functional 2632 — V3026 T____
- [ ] No written monitoring procedure 2632 — V3027 T____
- [ ] Written emergency response plan not available 2632 — V3028 T____
- [ ] Spill/Overfill equip. not maintained or installed 2635 — V3029 T____

RELEASE REPORTING

- [ ] Failure to report an unauthorized release 25295 — V3009 T____
- [ ] Release record log not available 2651, 2650 — V3030 T____
- [ ] No leak report/investigation/action 2652 — V3031 T____

CLOSURE

- [ ] Temporary closure req. not completed 2671 — V3006 T____
- [ ] Unused tank not properly closed 25298 — V3032 T____
- [ ] Permanent closure req. not completed 2672 — V3033 T____
- [ ] Failed to apply for temporary closure 25298 — V3008 T____

III HAZARDOUS MATERIALS BUSINESS PLAN REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.1105 — V2001 W____
- [ ] Business Plan not established/implemented 25503.5 — V2002 W____
- [ ] Business Plan not submitted to HMMD 25505 — V2007 W____
- [ ] Business Plan not amended 25505 — V2003 W____
- [ ] Personnel Training Records not available 19 CCR 2732 — V2302 W____

RELEASE REPORTING

- [ ] Failure to report a release/threatened release 25507 — V2008 W____

BUSINESS PLAN ELEMENTS

- [ ] Emergency Response Plan inadequate 25504 — V2201 W____
- [ ] Emergency Contacts not provided/current 25509 — V2203 W____
- [ ] Personnel Training Program inadequate 25504 — V2301 W____
- [ ] Inventory is incomplete 25504 — V2005 W____
- [ ] Site Map is not sufficient 25509 — V2202 W____
- [ ] Acutely Haz. Mat. not registered 25533 — V2009 W____

ALL VIOLATIONS MUST BE CORRECTED. PLEASE CALL (619) 338-2222 OR YOUR INSPECTOR IF YOU HAVE ANY QUESTIONS.

ESTABLISHMENT REPRESENTATIVE | DATE SIGNED 7/31/97 | TITLE

Department of Environmental Health, Hazardous Materials Management Division, P. O. Box 85261, San Diego, CA 92186-5261

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

DEH:HM-923 (Rev. 10/96) NCR

BUSINESS CODE: R01

HE-24 COMPLIANCE INSPECTIO

ROUTE # 23

H# 35322

Establishment Name: LAKESIDE MOTORS Y

Mailing Address:

Site Address: 11719 WOODSIDE AV

City/Zip Code: LAKESIDE 92040

Contact Name & Title: TOM BENZINGER Y

Owner: JIM BYRNES Y

Phone: (619) 5611300 Y

Fire District: K

CDF District:

Initial
Inspection Date: 7,31,97

SITE: 105 R01

EPA NO.

Specialist Name: D Martinez

Sic 1:

Sic 2: KZ6 Y

PERMIT STAFF:

POP-UP:

TO SPECIALIST: FOR:

[ ] Deactivate

[ ] Duplicate Establishment Number

[ ] Agency Letter(s)

[X] Notice Issued

[ ] Complaint Inspection

SPECIAL INSTRUCTIONS:

(1) RB NOV for illegal disposal of sludge to trash Dmartinez 7/31/97

New Business Please process

EH:HM-9108 (1/95)

County of San Diego
Department of Environmental Health

I CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF THE ORIGINAL ON FILE WITH THE DEPARTMENT OF HEALTH SERVICES

12/4/97

H 35322

COMPLIANCE INSPECTION REPORT

WASTE AND TANK SUPPLEMENT - HE2420-02

ROUTE 23

ADD

	WASTE CODE	MAX QTY	ANN QTY	UNIT	STR	TRT MTD	CON	CAR	DIS
05	342	55	55	2	D1	001			

HAULER: 0001

COMMENT: Antifreeze

FIELD NOTE:

	WASTE CODE	MAX QTY	ANN QTY	UNIT	STR	TRT MTD	CON	CAR	DIS

HAULER:

COMMENT:

FIELD NOTE:

	WASTE CODE	MAX QTY	ANN QTY	UNIT	STR	TRT MTD	CON	CAR	DIS

HAULER:

COMMENT:

FIELD NOTE:

	WASTE CODE	MAX QTY	ANN QTY	UNIT	STR	TRT MTD	CON	CAR	DIS

HAULER:

COMMENT:

FIELD NOTE:

DEHHM-8014 (4/95)

County of San Diego
Department of Environmental Health

I CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF THE ORIGINAL ON FILE WITH THE DEPARTMENT OF HEALTH SERVICES

12/4/98

H 3532

COMPLIANCE INSPECTION REPORT

WASTE AND TANK SUPPLEMENT - HE2420-02

ROUTE 23

		MAX QTY	ANN QTY	UNIT	STR	TRT MTD	CON	CAR	DIS
001	WASTE CODE: 461	55	55	2	DM5	999			
	HAULER: 0001								
	COMMENT: Sump Sludge								
	FIELD NOTE:								

		MAX QTY	ANN QTY	UNIT	STR	TRT MTD	CON	CAR	DIS
002	WASTE CODE: 221	5	60	2	DP1	001			
	HAULER: 9999								
	COMMENT:								
	FIELD NOTE:								

HDU

		MAX QTY	ANN QTY	UNIT	STR	TRT MTD	CON	CAR	DIS
003	WASTE CODE: 888	500	500	1	DM5	888			
	HAULER: 0001								
	COMMENT:								
	FIELD NOTE:								

		MAX QTY	ANN QTY	UNIT	STR	TRT MTD	CON	CAR	DIS
004	WASTE CODE: 444	50	500	1	PE	444			
	HAULER: 9998								
	COMMENT: Interstate Battery								
	FIELD NOTE:								

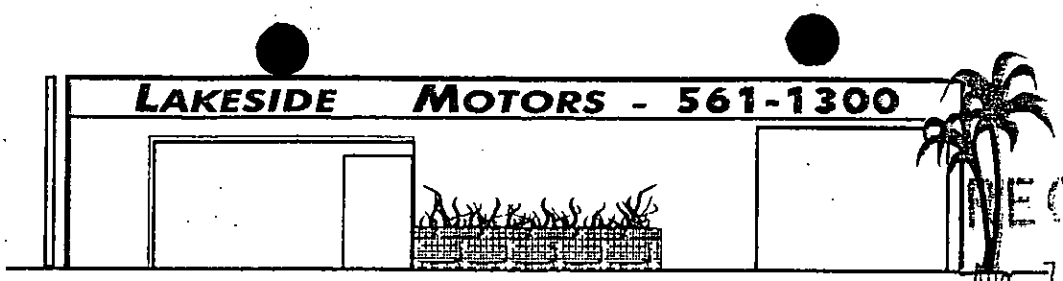
DEH:HM-8014 (4/96)

County of San Diego
Department of Environmental Health

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12/4/96

H 55322



RECEIVED
AUG 7 11 44 AM '97
ENVIRONMENTAL
HEALTH SERVICES

Department of Environmental Health,
Hazardous Materials Management Division
P.O. Box 85261
San Diego, CA 92185-5261

August 4, 1997

Attn.: Specialist D. Martinez

Dear Mr. Martinez,

As proprietor of Lakeside Motors, I have received copies of the report of your inspection of July 31, 1997 and the subsequent Notice of Violation.

I have noted that there are four specific areas of violation:

1. Degreasing of Engines, and the resultant "sludge" and the proper storage and removal.

2. Storage and proper disposal of used motor oil.

3. Waste antifreeze and proper storage and disposal.

4. Battery cores and proper storage and disposal.

In addition, I understand that we are required to obtain a Hazardous Materials Health Form, and to pay certain fees which will be made known to us by your agency.

Also, that certain training will be required by us to be administered to our employees to ensure that Hazardous Materials are properly stored, labeled and disposed of.

I have been required by your agency to comply to the above within 30 days (September 1, 1997), which we will give every effort to comply with.

I certainly believed that we were in full compliance with your agency and we will in future pay specific attention to those items in which we are not in compliance. Please expect full cooperation from both myself and my employees.

Sincerely,

P.James Byrnes
Owner

11719 Woodside Avenue, Lakeside, CA 92040

COUNTY OF SAN DIEGO

Page 1 of 1

EST. NO. H 35322
DATE 10/27/97
TIME START 902 END 918
BUS. CODE K26
SPECIALIST D Martinez
CONTACT Jim Byrnes
TITLE owner
PHONE 561 1300

COMPLIANCE INSPECTION REPORT

BUSINESS NAME LAKESIDE MOTORS
ADDRESS 11719 Woodside Av
CITY/ZIP Lakeside

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Office Use Only

(3) Follow up inspection

9807

P: 11/06/97 (a)

A Follow-up visit was conducted today to evaluate the implementation of the corrective actions mandated by the notice of Violation issued to this Facility on 7/31/97

Facility has acquired containers for antifreeze, Solvent, oil & oil filters. These containers are properly labeled as required

Mr Byrnes stated that he submitted the hazardous materials Business Plan sometime last week.

As observed today this Facility has implemented all mandated corrective action and appear to be in compliance at this time.

Fees for health Permits were already submitted

Jim Byrnes — Signature of Business Representative
10/27/97 — Date Signed
OWNER — Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

DEH:HM-924 (Rev. 1/96) NCR

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County of San Diego
Department of Environmental Health

COUNTY OF SAN DIEGO

EST. NUMBER H 04518
DATE 7/31/90
BUS CODE K04
SPECIALIST R. LAFRENIERE

COMPLIANCE INSPECTION REPORT

NESS NAME TRUCK WORLD
DRESS 11721 WOODSIDE AVE
/ZIP LAKESIDE 92040

CONTACT MARTIN BAILEY
TITLE SALES MGR
PHONE 561-1337

the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Title 19, 22, and 23 of the California Code of Regulations (CCR); and the San Diego Code (SDCC). Violations determined from this inspection are noted below. The following statements are intended to provide ce to correct the violations noted.

Office Use Only	
	QUANTITIES (OXYGEN 251 CF/ MOTOR OIL 556AL) THEREFORE THIS FACILITY IS REQUIRED TO HAVE A HMMD HEALTH PERMIT.
	① APPLICATION SUBMIT A HMMD HEALTH PERMIT APPLICATION WITHIN 5 DAYS.
101 WT 1	② COMPLETE AND SUBMIT A BUSINESS PLAN WITHIN 30 DAYS. KEEP A COPY ON SITE.
2201 WT 2	③ APPLY FOR AN E.P.A IDENTIFICATION NUMBER WITHIN 30 DAYS
08 WT 3	④ KEEP HAZARDOUS WASTE CONTAINERS CLOSED EXCEPT WHILE ADDING OR REMOVING WASTES (I.E, WASTE OIL)
WT 4	⑤ LABEL ALL HAZARDOUS WASTE CONTAINERS AS SUCH. REFER TO GENERAL REQUIREMENT PACKET FOR LABELING PROCEDURES.
2207 WT 5	⑥ UNLABELED, MISLABELED OR INADEQUATELY LABELED CONTAINERS BECOME HAZARDOUS WASTE IN 10 DAYS IF CONTENTS ARE NOT IDENTIFIED AND DRUMS LABELED (I.E, 4-55 GALLON DRUMS EAST END OF LOT)
WT 6	⑦ PROPERLY DISPOSE OF ALL STRUCTURALLY UNSOUND CONTAINERS (I.E, BENT, RUSTED 55 GALLON DRUM NEAR DUMPSTER).
WT 7	⑧ BE ADVISED: KEEP ALL HAZARDOUS WASTE DISPOSAL RECEIPTS ON SITE FOR A MINIMUM OF 3 YEARS AS PROOF OF PROPER DISPOSAL.

SDCC
VO101 W
02 W
05 W
201 W
VO202 W
03 W
09 W
02 W
V2101 W
V2202 W
01 W
01 T
01 T

[X] A Permit has not been obtained for: [X] Hazardous Waste [ ] Underground Tanks [X] Materials Inventory
[ ] Hazardous waste manifests are not maintained on site as evidence of proper disposal - (CCR) Sec 66492 (A)
[ ] Hazardous waste hauler receipts have not been made available for review - - - - - (CCR) Sec 66328 (A) (7)
[X] An EPA number has not been obtained for your business - - - - - - - - - - - - - - - (CCR) Sec 66472 (A)
[ ] Hazardous waste is stored at your business facility longer than 90 days - - - - - - - (CCR) Sec 66508 (A)
[X] Hazardous waste containers are not kept closed while in storage - - - - - - - - - - (CCR) Sec 67243 (A)
[X] Hazardous waste containers are missing labels and/or improperly labeled - - - - - -(CCR) Sec 66508 (A)(3)
[ ] Hazardous waste has been disposed of at a place not authorized by law - - - - - - - - (H&S) Sec 25189.5
[X] A business plan has not been completed and maintained on site as required - - - - - - - (H&S) Sec 25503.5
[ ] An inventory of disclosable hazardous materials has not been provided - - - - - - - (H&S) Sec 25504 (A)
[ ] A facility site map of your business has not been provided as required - - - - - -(H&S) Sec 25509 (A)(5)
[ ] An outline of your employee training program has not been provided - - - - - - - - (H&S) Sec 25504 (C)
[ ] Underground tank inventory records have not been maintained daily and reconciled - - - (CCR) Sec 2712 (C)
[ ] Evidence of tank precision testing has not been provided annually as required - - - - - -(CCR) Sec 2643

Ken Kerkland
Signature of Business Representative

President
Title

Department of Health Services; Hazardous Materials Management Division, PO Box 85261 San Diego CA, 92138-5261

(619) 338-2222

COUNTY OF SAN DIEGO

EST. NUMBER H -
DATE 7/31/90
BUS CODE KO4
SPECIALIST R. LAFRENIERE

COMPLIANCE INSPECTION REPORT

BUSINESS NAME TRUCK WORLD
ADDRESS 11721 WOODSIDE AVE
CITY/ZIP LAKESIDE 92040

CONTACT MARTIN BAILEY
TITLE SALES MGR
PHONE 561-1337

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Title 19, 22, and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). Violations determined from this inspection are noted below. The following statements are intended to provide guidance to correct the violations noted.

Office Use Only

REASON FOR VISIT IS IN RESPONSE TO A COMPLAINT RECEIVED FROM THE PUBLIC REGARDING (1) PRESSURE WASHING OF VEHICLES AND ALLOWING WASTE TO DRAIN ONTO EARTHEN SURFACE, (2) DISCHARGE OF OILS AND DIESEL ONTO THE EARTHEN SURFACE.

OBSERVED (3) PRESSURE SPRAYER BEING UTILIZED TO RINSE DIRT OFF SALE VEHICLES IN LOT (NOTE: LOT IS DIRT). PRESSURE SPRAYER USES DEIONIZED WATER ONLY. (4) WASTE OIL COLLECTED IN 55-GALLON DRUMS. AZTEC OIL IS HAZARDOUS WASTE HAULER. (5) HYDROCARBON SOLVENT TANK MAINTAINED BY SAFETY KLEEN CONTRACT AVAILABLE. (6) DIESEL IS NOT PRESENT ON SITE. TRUCKS FUELED OFF SITE.

STRONGLY SUGGEST INSTALLING A WASH RACK WITH SUMP TO SPRAY DIRT OFF VEHICLES. BE ADVISED THAT BY ALLOWING THE DISCHARGE OF SPRAY/RINSE WATER ONTO THE EARTHEN SURFACE, YOUR IN VIOLATION OF THE CLEAN WATER ACT.

* THIS FACILITY DOES GENERATE A HAZARDOUS WASTE (WASTE OIL, HYDROCARBO SOLVENT SLUDGE) AND DOES STORE HAZARDOUS MATERIALS IN DISCLOSABLE

VIOLATIONS:

SDCC		[X] A Permit has not been obtained for: [X] Hazardous Waste [ ] Underground Tanks [X] Materials Inventory
V0101	W	[ ] Hazardous waste manifests are not maintained on site as evidence of proper disposal - (CCR) Sec 66492 (A)
V0102	W	[ ] Hazardous waste hauler receipts have not been made available for review - - - - - (CCR) Sec 66328 (A) (7)
V0105	W	[X] An EPA number has not been obtained for your business - - - - - - - - - - - - - - - (CCR) Sec 66472 (A)
V0201	W	[ ] Hazardous waste is stored at your business facility longer than 90 days - - - - - - - (CCR) Sec 66508 (A)
V0202	W	[X] Hazardous waste containers are not kept closed while in storage - - - - - - - - - - (CCR) Sec 67243 (A)
V0203	W	[X] Hazardous waste containers are missing labels and/or improperly labeled - - - - - -(CCR) Sec 66508 (A)(3)
V0309	W	[ ] Hazardous waste has been disposed of at a place not authorized by law - - - - - - - - - (H&S) Sec 25189.5
V2002	W	[X] A business plan has not been completed and maintained on site as required - - - - - - - (H&S) Sec 25503.5
V2101	W	[ ] An inventory of disclosable hazardous materials has not been provided - - - - - - - (H&S) Sec 25504 (A)
V2202	W	[ ] A facility site map of your business has not been provided as required - - - - - -(H&S) Sec 25509 (A)(5)
V2301	W	[ ] An outline of your employee training program has not been provided - - - - - - - - - (H&S) Sec 25504 (C)
V3001	T	[ ] Underground tank inventory records have not been maintained daily and reconciled - - - (CCR) Sec 2712 (C)
V3201	T	[ ] Evidence of tank precision testing has not been provided annually as required - - - - - -(CCR) Sec 2643

Ken Kirkland
Signature of Business Representative

Precalled
Title

ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

EAC

I.D. V /PROP 65 NO. 9308105

COMPLAINT/PROPOSITION 65 DISCLOSURE REPORT

DATE/TIME RECEIVED 8-30-93 RECEIVED BY Pam Raptis

DATE/TIME OF INCIDENT Ongoing ASSIGNED TO ~~[illegible]~~ GRAULAU

LOCATION OF PROBLEM TB 148 D3 REPORTED BY

11719 Woodside Ave - Vacant field just to East of this address AGENCY

ADDRESS

CITY Lakeside ZIP 92040 PHONE

NEAREST CROSS STREET Marilla Dr

BUSINESS NAME Truckworld - 11721 Woodside Av.

ESTABLISHMENT NO. H04518

PREVIOUS COMPLAINTS

REFERRED: YES NO

AGENCY

_____ IMMEDIATE ACTION
✓ ROUTE TO Specialist
_____ ROUTINE/WORK IN PROGRESS
_____ ACTION TAKEN BY OTHER AGENCY
_____ INFO PREVIOUSLY RECEIVED
REVIEWED BY Kolb

NATURE OF COMPLAINT/DISCHARGE Alleges there is at least 1 UST on site that has leaked. Foemer property tenent "Truckworld" and business owner Martiah Bailey. Martian had took him he used the UST but keep losing material out of tank so stopped it, no cleanup has occured at site. Did say that UST may be difficult to spot on site.

ESTIMATED QUANTITY DISCHARGED QUANTITY THREATENED TO BE RELEASED

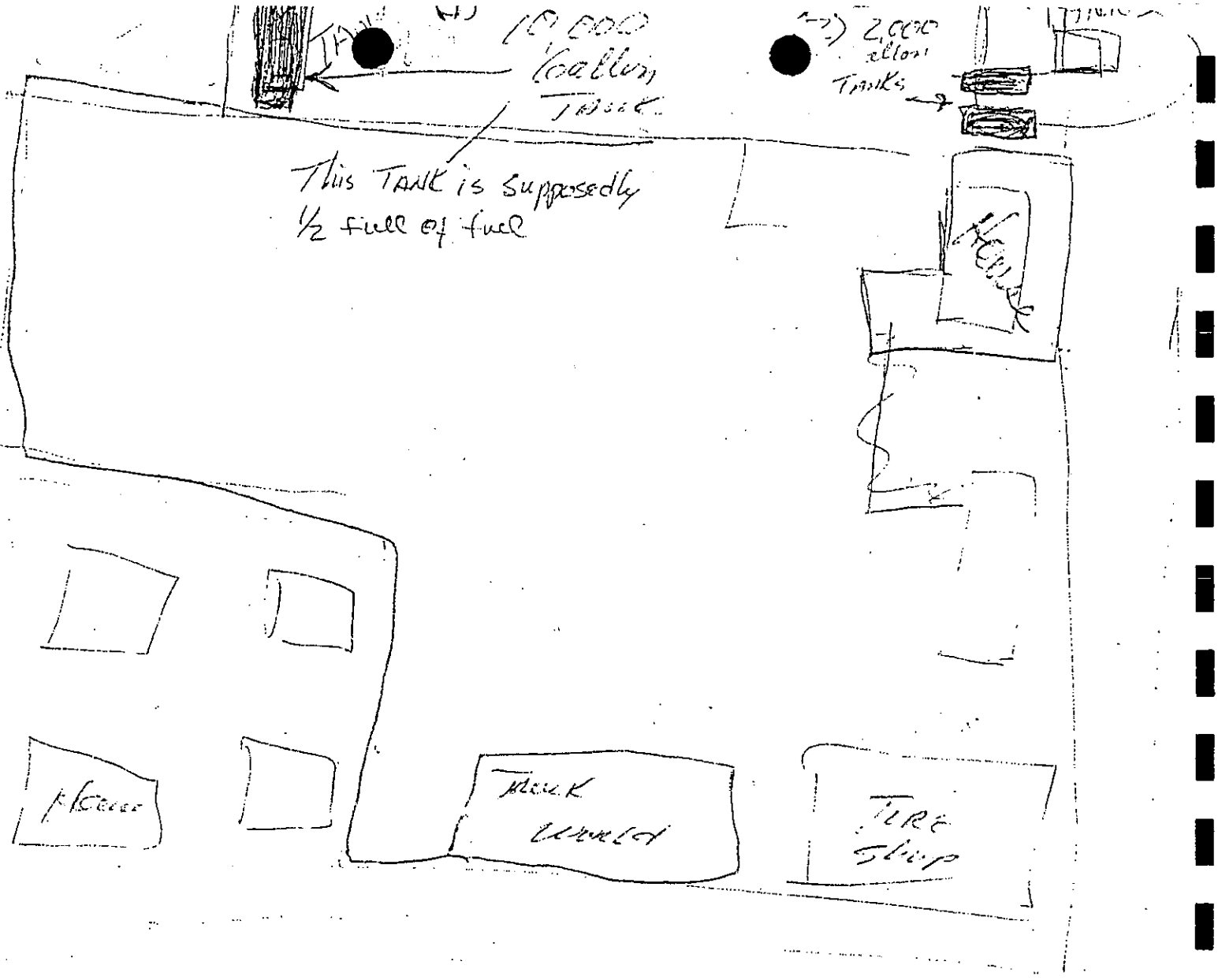
HEALTH THREAT/EXPOSURES - EXPLAIN current vacant - no business onsite

CURRENT STATUS Last inspection 7-31-90, Lafreniere. No SAM listing as of 3-9-93 Reviewed hard copy file - copies attached.

A) Is this report being submitted as a Proposition 65 disclosure? YES _____ NO _____

B) Is the person making the report a designated government employee? YES _____ NO _____

C) Designated employee stated that discharge/threatened discharge is likely to cause substantial injury to the public health or safety. YES _____ NO _____

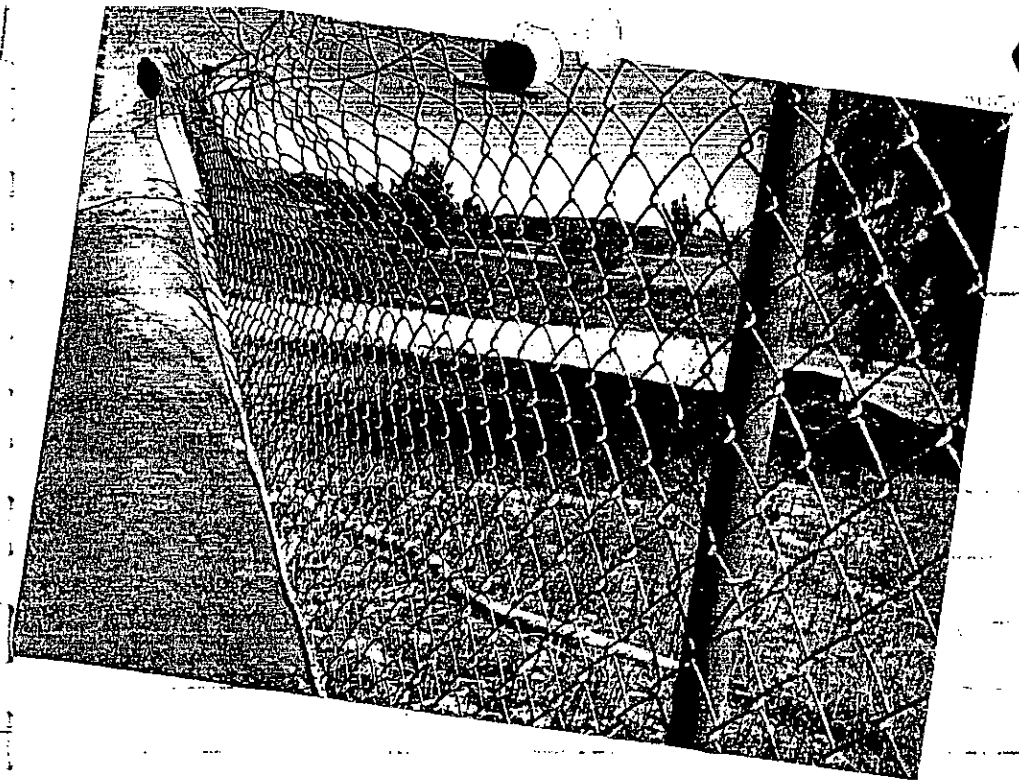


Martin
This is where the tanks are located. Do you have access to this area? If so, we can stick the 10,000 to see how much is in it.

Bill Phillips
390-7571

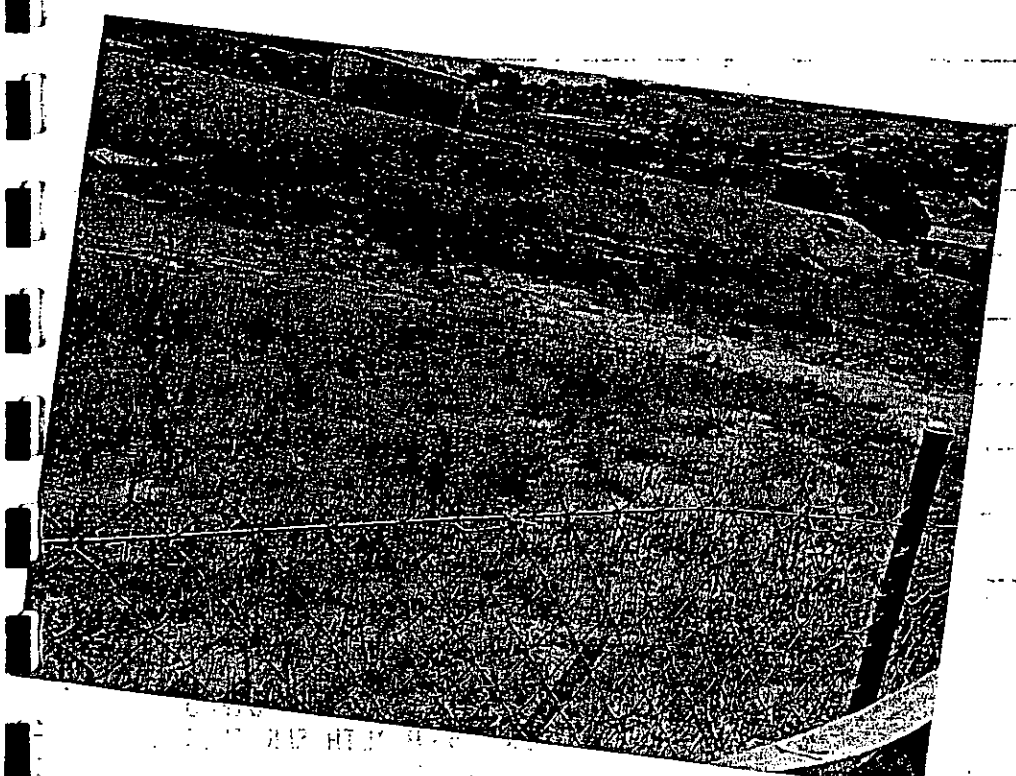
H04518

File under Guy Delisa



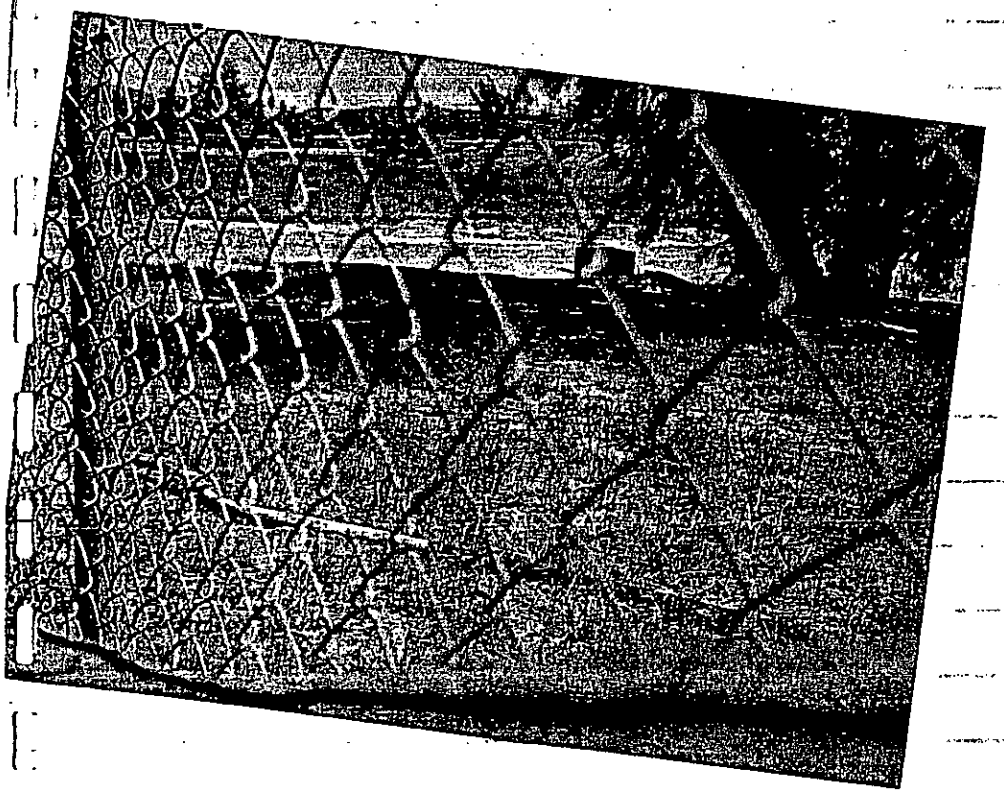
Guy Delise Property
located behind
Truck World
11721 Woodside &
Lakeside
92040

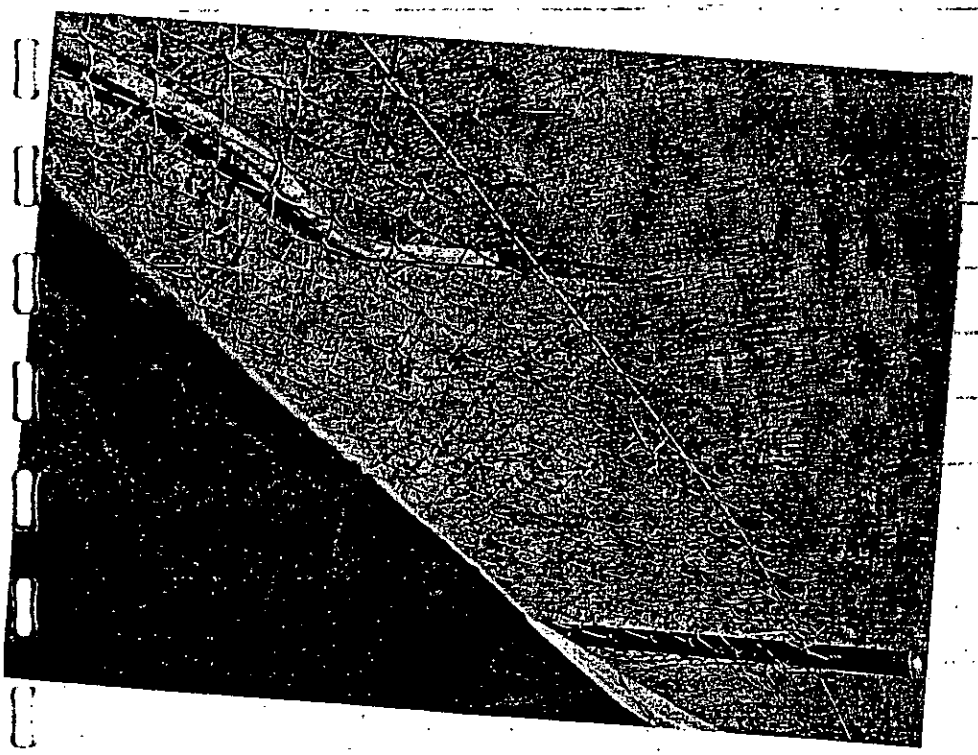
H04518



Guy Delise Property
located behind
Truck World
11721 Woodside Av
Lakeside

H0 45 18





Page 1 Complaint Search by Source Address 18-Mar-2004
Print Options: (Print Page) F17 or (Print All Pages) F20

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+---------- SOURCE ADDRESS ----------+
|Src Name: TRUCK WORLD-JEFF CLEAVENG|
|Str Num : 11721                    |
|Str Name: WOODSIDE AVE             |
+-----------------------------------+
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Cmp Date: 22-Jun-1990 Cmp Num: 89600 Vio Num: 0 ID Num: 0A
PO Num : Nature of Cmp: SNDBLSTNG/PNTNG Equip: DST
Inspector: KW Result: SC (View Notice to Comply(s))

Satisfactory action taken

CLASS CODES (CC) AND U.S. CENSUS BUREAU CODES (BC)

BUILDING PERMITS (TYPE 18)			ELECTRICAL PERMITS (TYPE 17)		PLUMBING PERMITS (TYPE 16)		MECHANICAL PERMITS (TYPE 24)	
CC	BC		CC		CC		CC	
101		ST. APPROVED MODULE (Stick)	400	TEMPORARY SERVICE - NEW CONST.	500	WATER HEATER/SOFTENER	600	CENTRAL FURN (FAU)/HT. PUMP
102	1	ST. APP FACTORY BLT (1/2 Fee)	401	TEMPORARY SERVICE TO M/H (ALL)	501	SEWER HOOKUP	601	WALL/UNIT/RM HEATER
			402	TESTING	502	GAS/TEMPORARY GAS (TESTING)	602	AIR COND/REFRIG SYSTEM
103	1	FACTORY BLT NOT ST. APP	403	PUMP	503	IRRIGATION SYSTEM	603	KIT HOOD/DUCT/FAN
104	21	MISC.	404	MISC.	504	BACKFLOW PREVENTER/MISC	604	MISC/INCINERATORS/EVAP
105		REINSPECTION	405	REINSPECTION	505	REINSPECTION	605	REINSPECTION
106		RENEWAL	406	RENEWAL				
107	21	SUPPLEMENTAL	407	SUPPLEMENTAL	506	RENEWAL	606	RENEWAL
108	21	CONDO CONVERSION	408	NEW/RELOC/CHANGE OF/SERVICE	507	SUPPLEMENTAL	607	SUPPLEMENTAL
							XXX	
109		ENFORCEMENT	409	ENFORCEMENT	509	ENFORCEMENT	609	ENFORCEMENT
110			410	FACTORY BUILT	510	FACTORY BUILT	610	FACTORY BUILT
111	21	RES ADD/ALTER TO 5M	411		511		611	
12	21	RES ADD/ALTER TO 5M & UP	412					
13	1	DWELLING TO 40M	413		512		612	
13	5	MOVE ON DWELLING TO 40M	413		513		613	
					513		613	
14	1	DWELLING 40M TO 80M	414					
14	5	MOVE ON DWELLING 40M TO 80M	414		514		614	
15	1	DWELLING 80M AND UP	415		514		614	
					515		615	
15	5	MOVE ON DWELLING 80M & UP	415					
16	1	TRACT TO 36M	416		515		615	
17	1	TRACT 36M & UP	417		516		616	
					517		617	
2	3	MULTIPLES 3 OR 4 DWELL UNITS	419	BUILDING PERMIT NOTES:	519		619	
2	4	MULTIPLES 5 OR MORE DWELL UNITS	419		519		619	
3	21	PRD (Postage Stamp Lots)	414	*Add Number of Dwelling Units	514		614	
20	21	DEMOLITION HOUSEKEEP RES	XXX	In Last Two Spaces for 200+	XXX		XXX	
20	24	DEMOLITION OTHER	XXX	300 Series Class Codes	XXX		XXX	
21	22	COMM ADD/ALTER TO 5M	421		521		621	
22	22	COMM ADD/ALTER 5M & UP	422	Examples: 4 Unit Apt. = 204	522		622	
23	23	COMM/PUBLIC TO 40M	423	10 Unit Apt. = 210	523		623	
24	24	COMM/PUBLIC 40M TO 100M	424	PRD of 8 attached	524		624	
25	25	COMM/PUBLIC 100M & UP	425	dwell units = 308	525		625	
26	20	SIGNS	426	PRD of single	XXX		XXX	
201	21	ADD SFD TO EXIST SFD	427	dwell unit = 301	527		627	
202	2	DUPLEXES	427	++ SEE REVERSE SIDE OF THIS	527		627	
231	20	FENCES AND WALLS	XXX	SHEET FOR CENSUS BUREAU	XXX		XXX	
232	19	PATIOS/PORCHES/DECKS	432		XXX		XXX	
33	12	DETACHED GARAGES	433	CODES (BC) RELATIVE TO	533		633	
33A	19	ACCESSORY BUILDING	433A	CLASS CODES 23, 24, AND 25	533A		633A	
34	19	AGRICULTURAL BUILDINGS	434		534		634	
35	20	SWIMMING POOLS	435					
36		DRIVEWAY PERMITS	XXX		535		635	
37		GRADING PERMITS	XXX		536	SOLAR SWIMMING POOL	XXX	
					537	SOLAR SPA	XXX	
38		COMPLIANCE SURVEYS	XXX		538	SOLAR DOMESTIC	XXX	
		MOBILEHOME OTHER THAN M/H PARKS						
40	7	BUSINESS TRAILER USES						
41	7	HEALTH CARE TRAILER USES						
42	7	TOP BUILDING PERMIT						
43	7	SECURITY TRAILER USES						
44	7	FARM EMPLOYEE HOUSING						
45	7	M/H ON FOUNDATION - PRIVATE LOT						
46	7	MISC. TRAILER USES						
		MOBILEHOME PARK CONSTRUCTION PERMIT						
900		PARK PROPER CONSTRUCTION						
901		CONSTRUCTION ON LOT						
902		MOBILEHOME INSTALLATION						
903		REINSPECTION						
905		PLAN CHECK						

Class Codes for Miscellaneous Structures/Fees (Continued on Page 2)

104 for fireplace, foundation, roof covering, new siding or stucco, new interior wall covering only (Paneling, Drywall, Plaster)

107 for any change in plan or additional building permit

11 or 12 for add/alter on SFD, Duplex or PRD (Postage Stamp Lot)

21 or 22 for add/alter on a condominium, apartment, commercial or public building

23, 24 or 25 for recreation building in a PRD, condominium or apartment complex

27 for special plan review and other staff consultation

779 for SAM fee

980 for thoroughfare/bridge fee

988 for park and recreation fee at $115

989 for park and recreation fee at $145

990 for park and recreation fee at $200

STREET ADDRESS	OWNER'S NAME	CENSUS TRACT	ACCT-PERM NUMBER	PURGE TYPE	CLASS CODE	PURGE DATE	NUM OF PERMITS
11428 N WOODSIDE AV	GOLDEN GETAWAY	166.07	3-259316	FINALED	404	9/08/80	1
11445 WOODSIDE AV	MOUSER J	167.01	3-224423	FINALED	507	8/21/79	1
11445 WOODSIDE AV	MOUSER J	167.01	3-225527	FINALED	525	8/21/79	1
11445 WOODSIDE AV	MOUSER J	167.01	3-225526	FINALED	422	8/21/79	1
11445 WOODSIDE AV	MOUSER J	167.01	3-225525	FINALED	25	8/21/79	1
11459 WOODSIDE AV	STEINMETZ	167.01	1-259763	FINALED	500	9/01/81	1
11459 WOODSIDE AV	STEINMETZ, EARL	167.01	3-214763	FINALED	507	8/17/79	1
11459 WOODSIDE AV	STEINMETZ, EARL	167.01	3-212761	FINALED	525	8/17/79	1
11459 WOODSIDE AV	STEINMETZ, EARL	167.01	3-212759	FINALED	25	8/17/79	1
11467 WOODSIDE AV	DATA CARD CORP	167.01	3-213760	FINALED	425	8/17/79	1
11467 WOODSIDE AV	DATA CARD CORP	167.01	1-257980	FINALED	525	1/02/81	1
11467 WOODSIDE AV	DATA CARD CORP	167.01	1-257979	FINALED	425	1/02/81	1
11510 WOODSIDE AV	DAVISSON H	167.01	1-257978	FINALED	25	1/02/81	1
11510 WOODSIDE AV	DAVISSON, H M	167.01	3-235400	FINALED	404	7/20/79	1
11510 WOODSIDE AV	DAVISSON, H	167.01	1-221595	FINALED	525	7/20/79	1
11510 WOODSIDE AV	DAVISSON, H M	167.01	1-221067	FINALED	31	12/06/78	1
11510 WOODSIDE AV	DAVISSON, H M	167.01	1-221596	FINALED	422	7/20/79	1
11571 1/2 WOODSIDE AV	GROSSMONT UNION HIGH SCHOOL	167.01	1-221595	FINALED	22	7/20/79	1
11571 1/2 WOODSIDE AV	GROSSMONT UNION HIGH SCHOOL	167.01	3-223138	FINALED	514	3/05/80	1
11571 1/2 WOODSIDE AV	GROSSMONT UNION HIGH SCHOOL	167.01	3-223137	FINALED	400	3/05/80	1
11571 1/2 WOODSIDE AV	GROSSMONT UNION HIGH SCHOOL	167.01	3-223136	FINALED	414	3/05/80	1
11575 WOODSIDE AV	TRAN KIMSON	167.01	3-223134	FINALED	14	3/05/80	1
11575 WOODSIDE AV	TRAN KIMSON	167.01	3-245596	FINALED	503	9/23/80	1
11575 WOODSIDE AV	TRAN KIMSON	167.01	3-245595	FINALED	32	9/23/80	1
11575 WOODSIDE AV	ROELOFSZ	167.01	3-245594	FINALED	31	9/23/80	1
11575 WOODSIDE AV	ROELOFSZ	167.01	3-240378	FINALED	514	1/11/80	1
11575 WOODSIDE AV	ROELOFSZ	167.01	3-240377	FINALED	400	1/11/80	1
11575 WOODSIDE AV	ROELOFSZ	167.01	3-240376	FINALED	414	1/11/80	1
11577 WOODSIDE AV	JCR CORP	167.01	3-240375	FINALED	14	1/11/80	1
11577 WOODSIDE AV	JCR CORP	167.01	3-240386	FINALED	514	1/11/80	1
11577 WOODSIDE AV	JCR CORP	167.01	3-240385	FINALED	414	1/11/80	1
11579 WOODSIDE AV	JCR CORP	167.01	3-240384	FINALED	14	1/11/80	1
11579 WOODSIDE AV	JCR CORP	167.01	3-240382	FINALED	514	1/11/80	1
11579 WOODSIDE AV	JCR CORP	167.01	3-240381	FINALED	414	1/11/80	1
11595 WOODSIDE AV	HARVEY AND CO.	167.01	3-240380	FINALED	14	1/11/80	1
11597 WOODSIDE AV	HARVEY AND CO.	167.02	1-316612	FINALED	29	1/08/85	1
11633 WOODSIDE AV	FAITH FELLOWSHIP	167.02	1-316614	FINALED	29	1/08/85	1
11633 WOODSIDE AV	LAKESIDE CHURCH OF GOD	167.01	1-404976	FINALED	22	2/24/88	1
11633 WOODSIDE AV	CHURCH OF GOD	167.02	1-299175	FINALED	407	9/16/83	1
11633 WOODSIDE AV	FAITH FELLOWSHIP	167.02	1-278218	EXPIRED	23	1/25/89	1
11633 WOODSIDE AV	CHURCH OF GOD	167.01	1-404977	FINALED	422	2/24/88	1
11665 WOODSIDE AV	CHURCH OF GOD	167.02	1-278220	EXPIRED	523	1/25/89	1
11665 WOODSIDE AV	GUARDIAN BROKERS	167.02	1-278219	EXPIRED	423	1/25/89	1
→ 11719 WOODSIDE AV	NORTHUP	167.01	3-237434	FINALED	404	6/22/79	1
→ 11719 WOODSIDE AV	EL MONTE TIRE CO.	167.01	1-411617	FINALED	12	3/06/89	1
11735 WOODSIDE AV	EL MONTE TIRE CO.	167.02	1-355288	EXPIRED	24	10/19/88	1
→ 11745 WOODSIDE AV	CITY OF SAN DIEGO,	167.02	1-355289	EXPIRED	426	10/19/88	1
11903 WOODSIDE AV	JOHNSON, MAY	167.02	1-377164	EXPIRED	26	10/19/88	1
11903 WOODSIDE AV	MONROE, JAMES	167.02	1-365173	FINALED	502	4/14/86	1
	MONROE, JAMES	167.02	1-422463	FINALED	109	8/17/88	1
		167.02	1-401215	FINALED	31	8/17/88	1

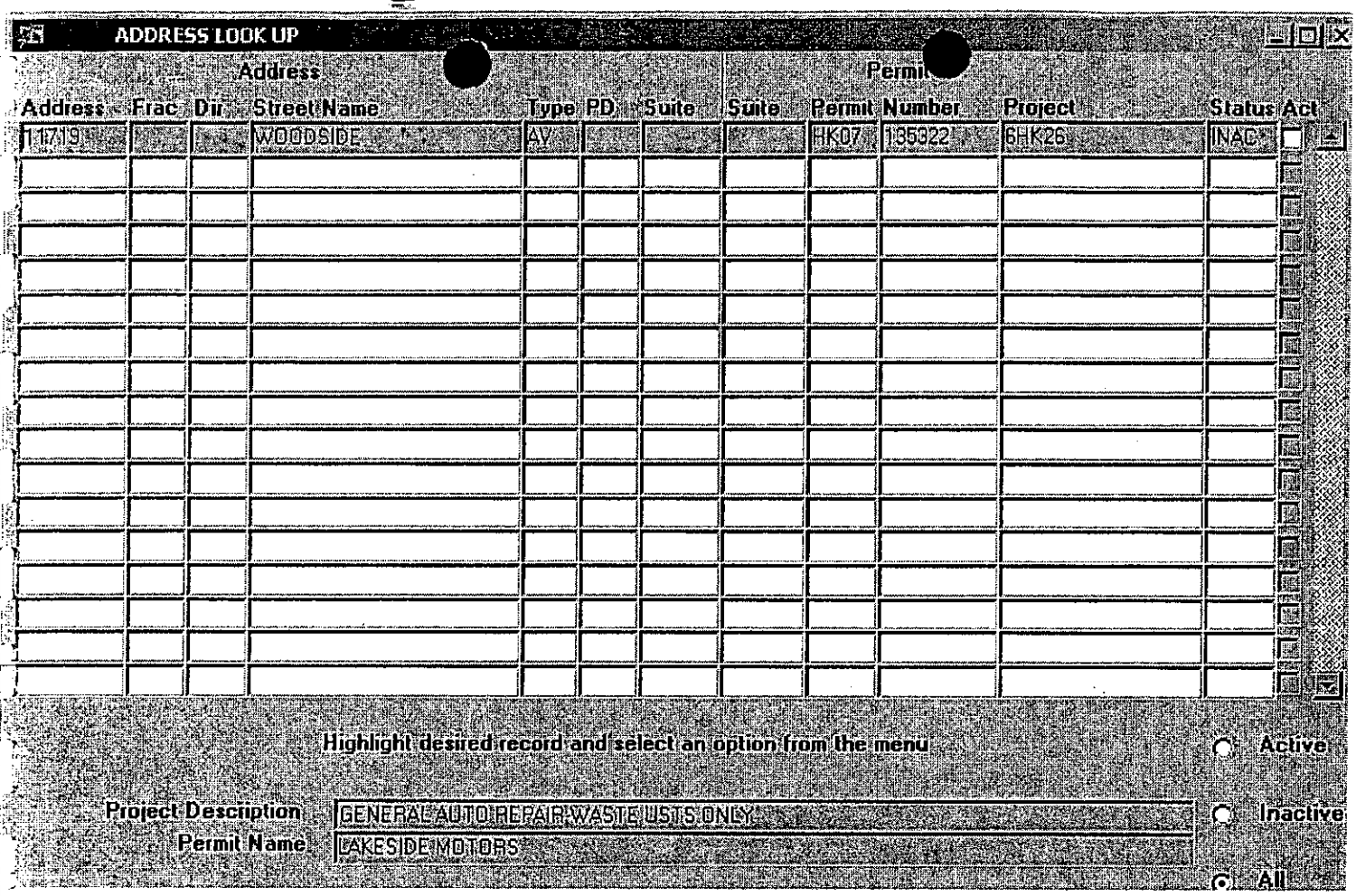
*** GRID 607 ***

*** GRID C07 ***

REPORT B13614-01
RUN DATE 10/25/90
TIME 135701

COUNTY OF SAN DIEGO—COMMUNITY SERVICES AGENCY
C U M U L A T I V E LIST OF PURGED PERMITS
AS OF 10/25/90
BUILDING INSPECTION-LUEB

STREET ADDRESS	OWNER'S NAME	CENSUS TRACT	AGCY-PERM NUMBER	PURGE TYPE	CLASS CODE	PURGE DATE	NUM OF PERMITS
11350 N WOODSIDE	DAVISSON DEWEY L	167.01	1-086027	FINALED	422	10/03/74	1
11350 N WOODSIDE	DAVISSON DEWEY L	167.01	1-086028	FINALED	22	10/03/74	1
11350 N WOODSIDE	DAVISSON DEWEY L	167.01	1-086461	FINALED	522	10/03/74	1
11350 N WOODSIDE	DAVISSON DEWEY L	167.01	1-086462	FINALED	422	10/03/74	1
11350 N WOODSIDE	DAVISSON DEWEY L	167.01	1-086464	FINALED	22	10/03/74	1
11366 N WOODSIDE	DAVISSON C.	169.00	3-221435	FINALED	408	12/04/78	1
11370 N WOODSIDE	DAVISSON C.	169.00	3-221436	FINALED	408	12/04/78	1
11440 WOODSIDE	DAVISSON C M	166.04	3-133390	FINALED	107	4/26/76	2
11440 N WOODSIDE	DAVISSON C	166.04	1-124023	FINALED	24	4/26/76	1
11440 N WOODSIDE	DAVISSON C M	166.04	3-140785	FINALED	400	4/28/76	1
11440 N WOODSIDE	DAVISSON C	166.04	1-124021	FINALED	524	4/26/76	1
11440 N WOODSIDE	DAVISSON C M	166.04	3-139031	FINALED	400	4/12/76	1
11440 N WOODSIDE	DAVISSON C	166.04	1-124022	FINALED	424	4/26/76	1
11440 N WOODSIDE	DAVISSON C M	166.04	3-136895	FINALED	407	4/26/76	2
11442 N WOODSIDE	DAVISSON C M	166.04	3-154242	EXPIRED	404	99/12/77	1
11445 WOODSIDE	MURRY FRED	167.01	3-092122	FINALED	501	12/17/74	1
11448 WOODSIDE	GRIFFITH J K	166.04	3-113578	FINALED	24	9/17/75	1
11459 WOODSIDE	STEINMETZ, EARLE	167.01	1-222328	FINALED	26	1/30/79	1
11465 WOODSIDE	WYLIE P C	167.01	3-136174	FINALED	400	3/22/76	1
11487 WOODSIDE	ORBITRAN INC	167.01	3-173163	FINALED	525	12/13/77	1
11487 WOODSIDE	ORBITRAN CO INC	167.01	3-078796	FINALED	501	6/27/74	1
11487 WOODSIDE	ORBITRAN	167.01	1-173164	FINALED	425	12/13/77	1
11510 WOODSIDE	DAVISSON M M	167.01	1-226925	FINALED	26	10/17/79	1
11510 WOODSIDE	DAVISSON M	167.01	3-156750	FINALED	31	8/30/76	1
11510 WOODSIDE	DAVISSON M M	167.01	1-226926	FINALED	426	10/17/79	1
11510 WOODSIDE	LEONE PAUL JAMES	167.01	3-078357	ABANDONED	21	12/23/74	1
11510 WOODSIDE	DAVISSON M M	167.01	3-092671	FINALED	21	12/23/74	1
11510 S WOODSIDE	DAVISSON, M. M.	167.01	1-230734	FINALED	31	7/20/79	1
11535 WOODSIDE	CASTIGLIONE EUGENE J	167.01	3-083113	FINALED	31	10/11/74	1
11535 WOODSIDE	CASTIGLIONE EUGENE J	167.01	1-055796	FINALED	11	10/11/74	1
11535 WOODSIDE	CASTIGLIONE GENE J	169.00	3-056994	FINALED	105	9/27/73	1
11535 WOODSIDE	CASTIGLIONE EUGENE J	167.01	1-055795	FINALED	611	10/11/74	1
11638 WOODSIDE	CHURCH OF GOD	167.02	3-087797	FINALED	502	9/18/75	1
11745 WOODSIDE	JOHNSON	167.02	1-343831	FINALED	409	4/14/86	1
11745 WOODSIDE	JOHNSON	167.02	1-343832	FINALED	404	4/14/86	1
11750 WOODSIDE	RIO S D MUNI WATER	167.02	3-081239	FINALED	400	7/17/74	1
11900 WOODSIDE	PACIFIC OUTDOOR AD.	167.02	1-231487	FINALED	404	6/30/81	1
11925 WOODSIDE	GOODMAN J J	167.02	1-081199	FINALED	32	10/11/74	1
11937 WOODSIDE	POTTER J R	167.02	3-182984	FINALED	521	6/08/78	1
11937 WOODSIDE	POTTER J R	167.02	3-182985	FINALED	421	6/08/78	1
11937 WOODSIDE	POTTER J R	167.02	3-182986	FINALED	21	6/08/78	1
11940 WOODSIDE	PACIFIC OUTDOOR AD.	167.02	1-231486	EXPIRED	404	7/10/80	1
11967 WOODSIDE	ZIHGHEIM R	167.02	3-171157	FINALED	412	6/30/77	1
11967 WOODSIDE	ZIHGHEIM R	167.02	3-171159	FINALED	12	6/30/77	1
12028 WOODSIDE	PAVEL F	167.02	3-139349	FINALED	406	6/08/76	1
12030 WOODSIDE	PAVEL F	167.02	3-121464	EXPIRED	408	3/16/76	1
12049 WOODSIDE	SORCHY P G	167.02	3-129545	FINALED	502	1/21/76	1
12060 WOODSIDE	FIRST BAPTIST CHURCH	167.02	3-176117	FINALED	504	6/27/77	1
12060 WOODSIDE	FIRST BAPTIST CHURCH	167.02	3-176118	FINALED	404	6/27/77	1
12087 WOODSIDE	SHELL OIL	167.02	1-246374	FINALED	409	4/24/86	1


ADDRESS LOOK UP
Address
Permit
Address
Frac
Dir
Street Name
Type
PD
Suite
Suite
Permit
Number
Project
Status
Act
1719
WOODSIDE
AV
HK07
135922
6HK26
INAC
Highlight desired record and select an option from the menu
Active
Inactive
All
Project Description
GENERAL AUTO REPAIR WASTE USTS ONLY
Permit Name
LAKESIDE MOTORS

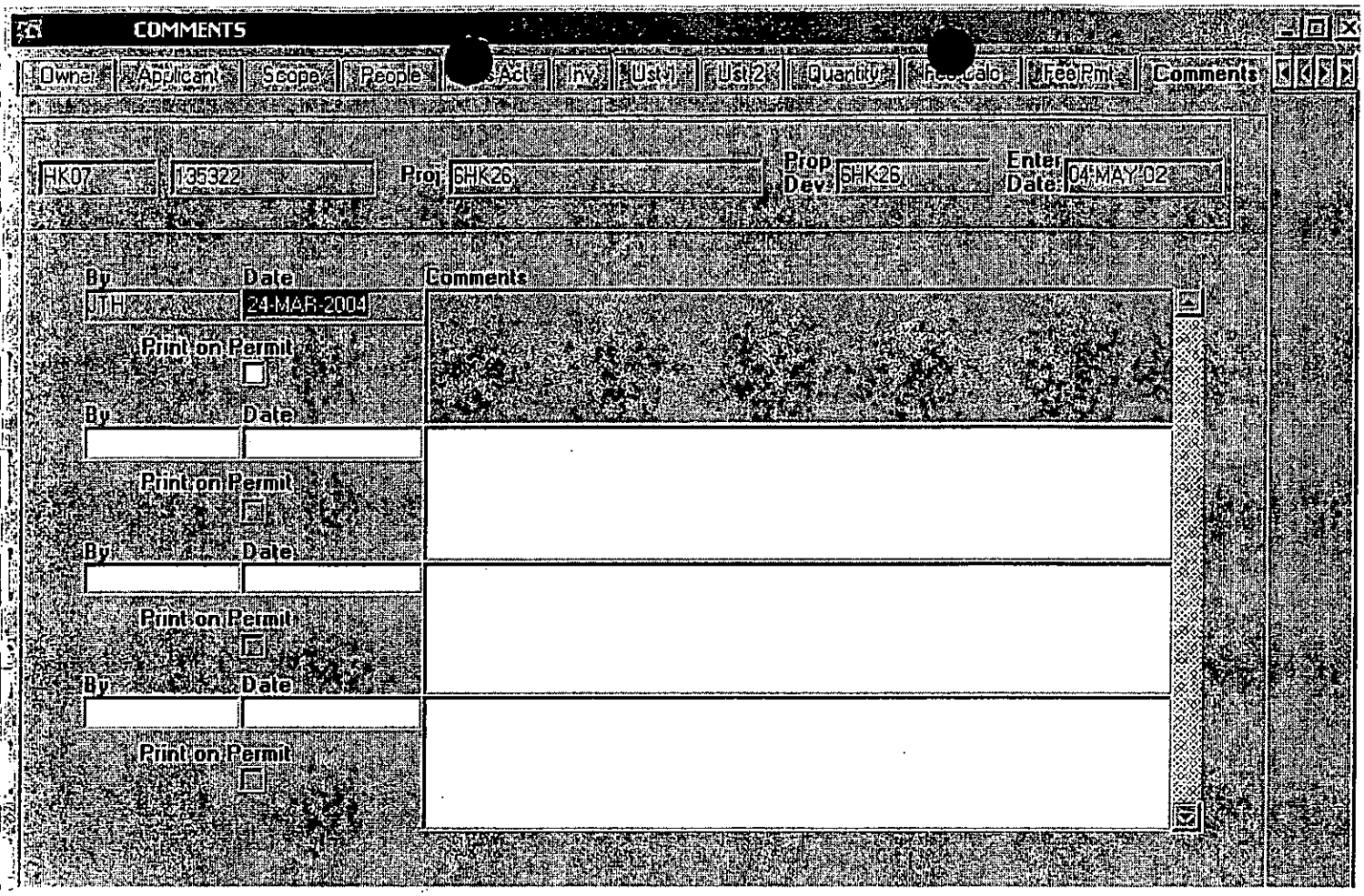
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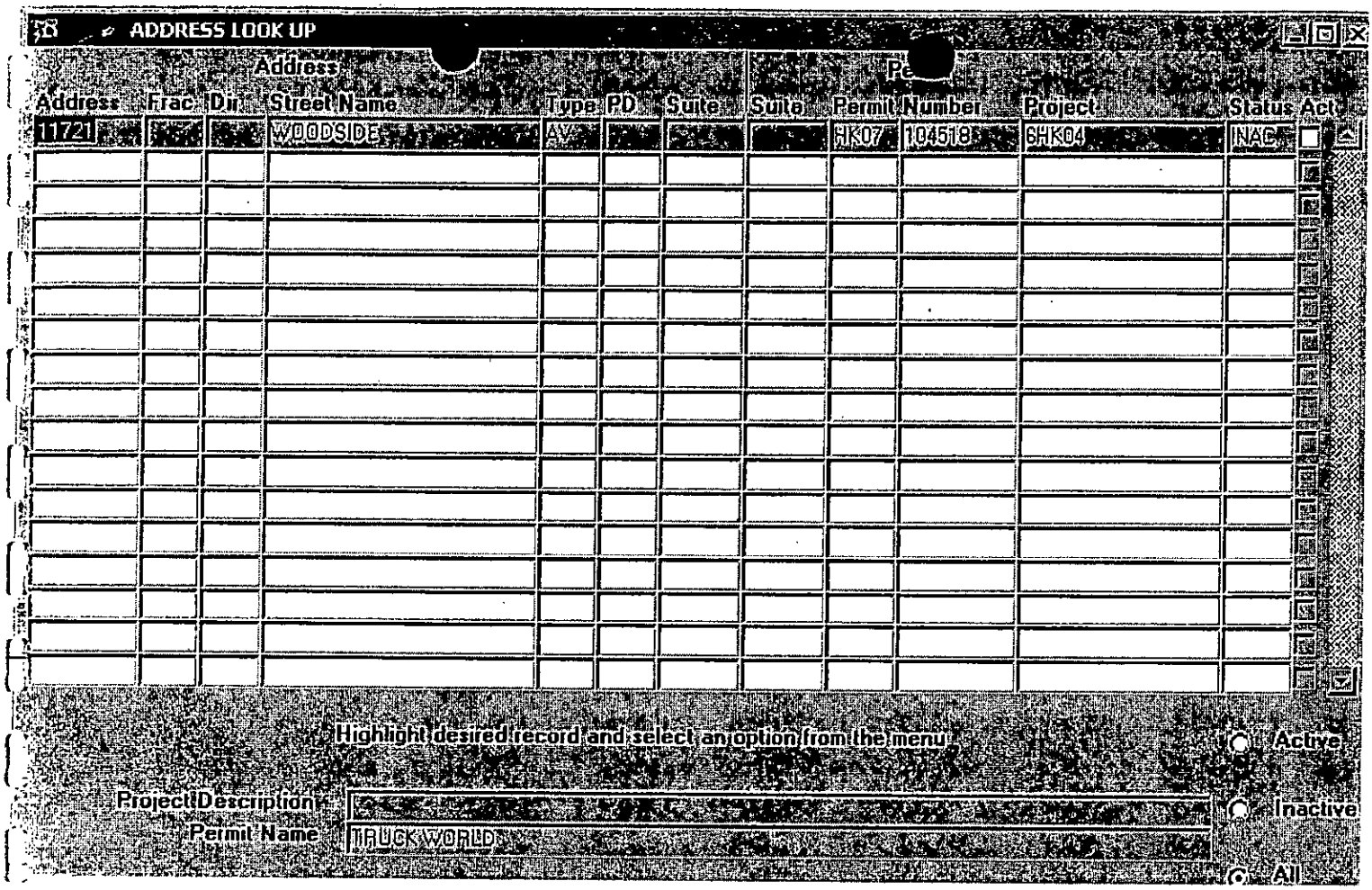
Application | Address | Owner | Applicant | Scope | People | Bus Act | Hy | U | Ust 2 | Quantity | Fee Calc

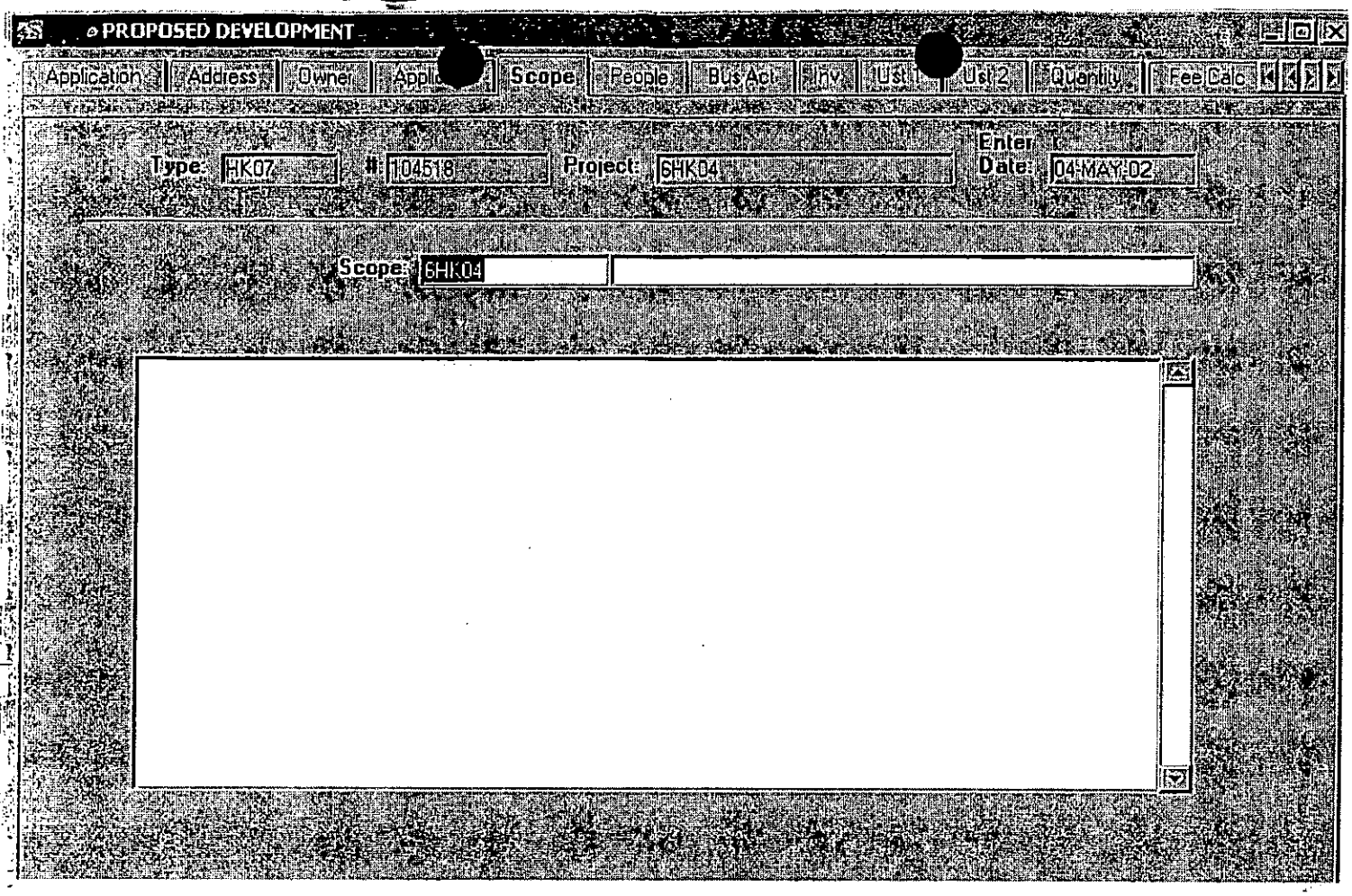
Type: HK07 # 136922 Project: 6HK26 Enter Date: 04-MAY-02

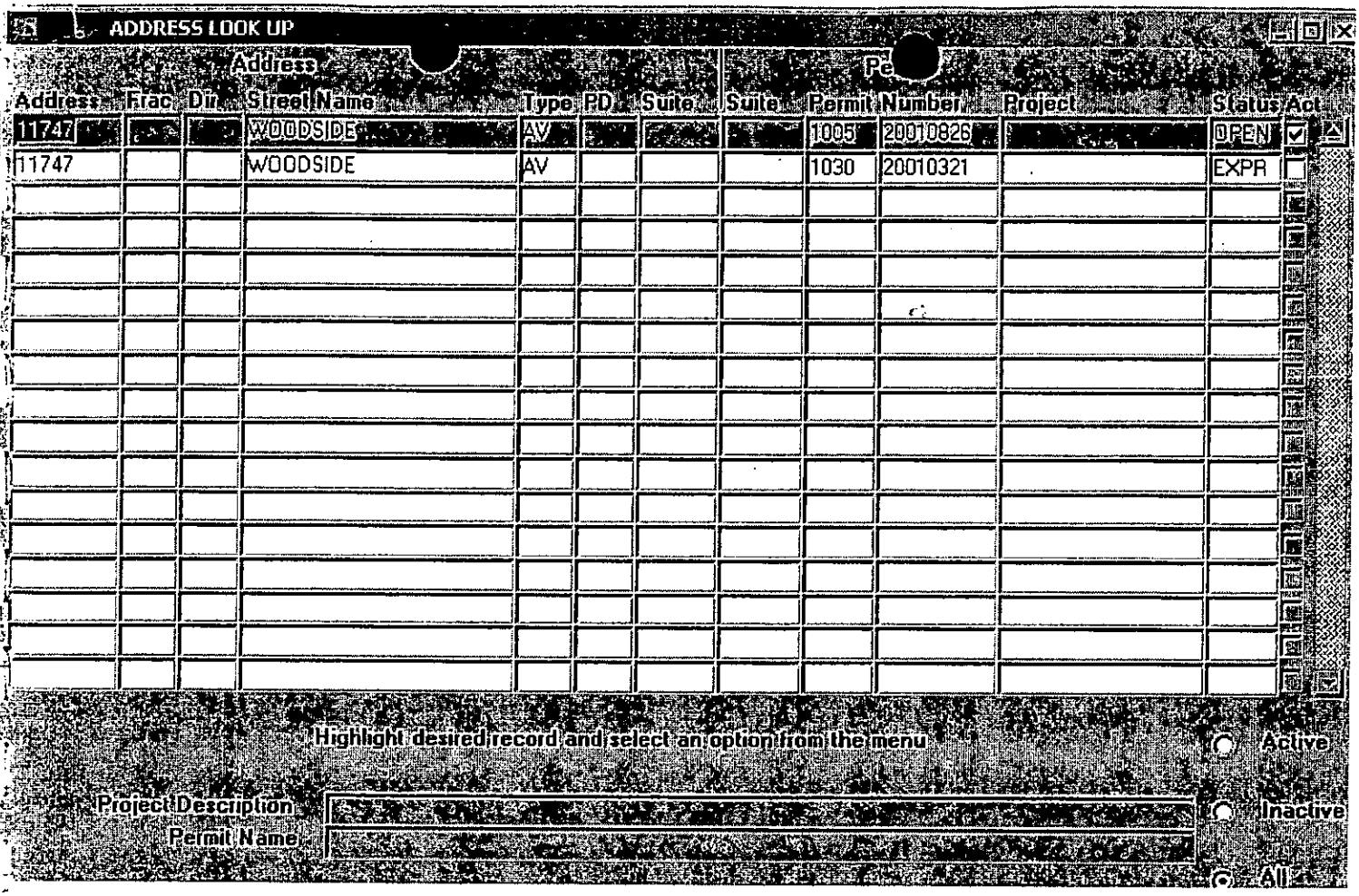
Scope: 6HK26 GENERAL AUTO REPAIR-WASTE USTS ONLY

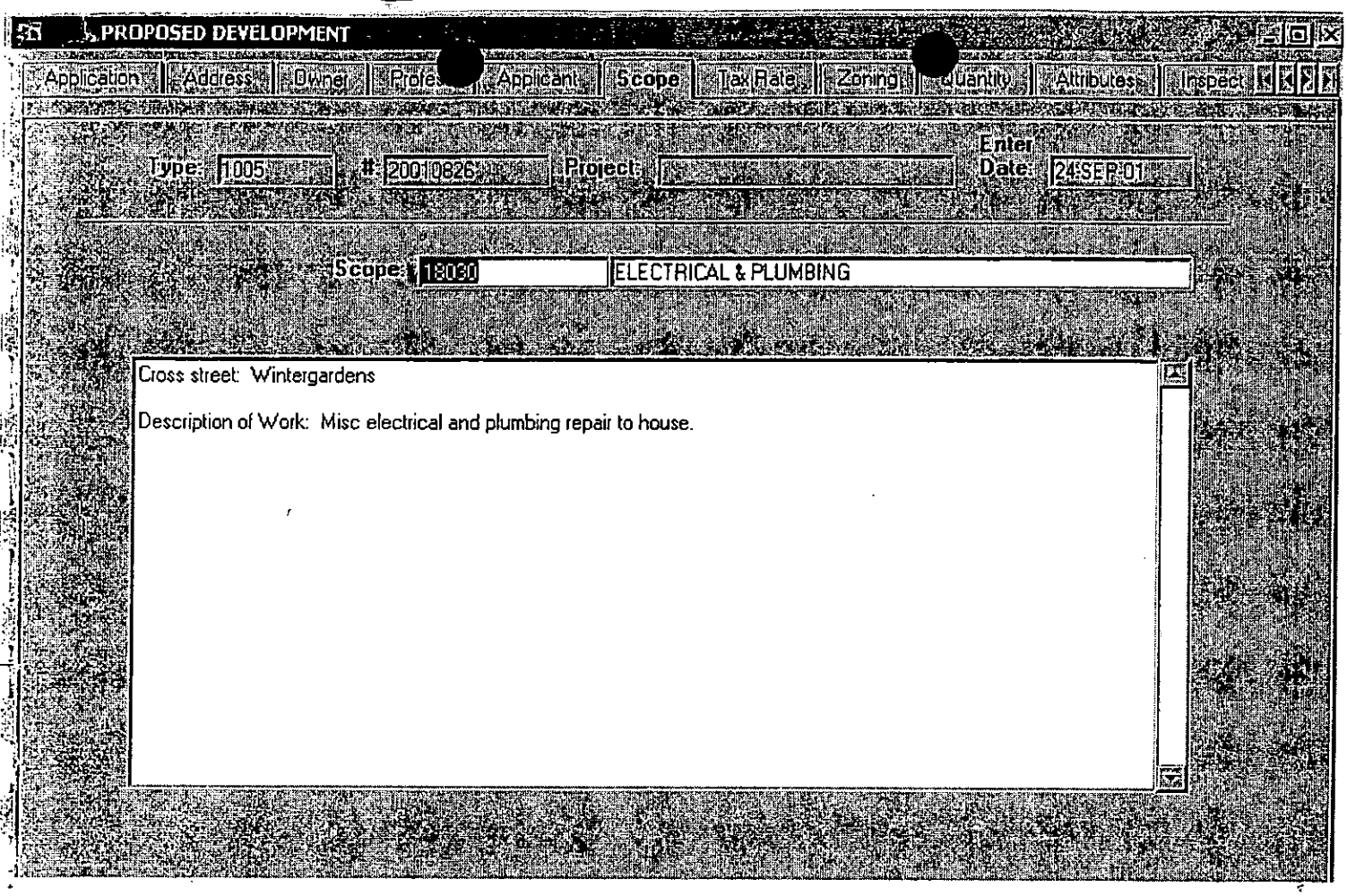
General Automotive/Motorcycle/Truck Repair: Establishments such as automotive transmission shops, radiator shops, brake shops, air conditioning shops, tire shops, taxi repair, bus repair, automotive supply stores engaged in the sale of parts with or without repair services. The only USTs at these sites would be for storage of automotive wastes. LEGACY REMARKS & BLIND REMARKS FROM MAINFRAME - SEE COMMENTS:

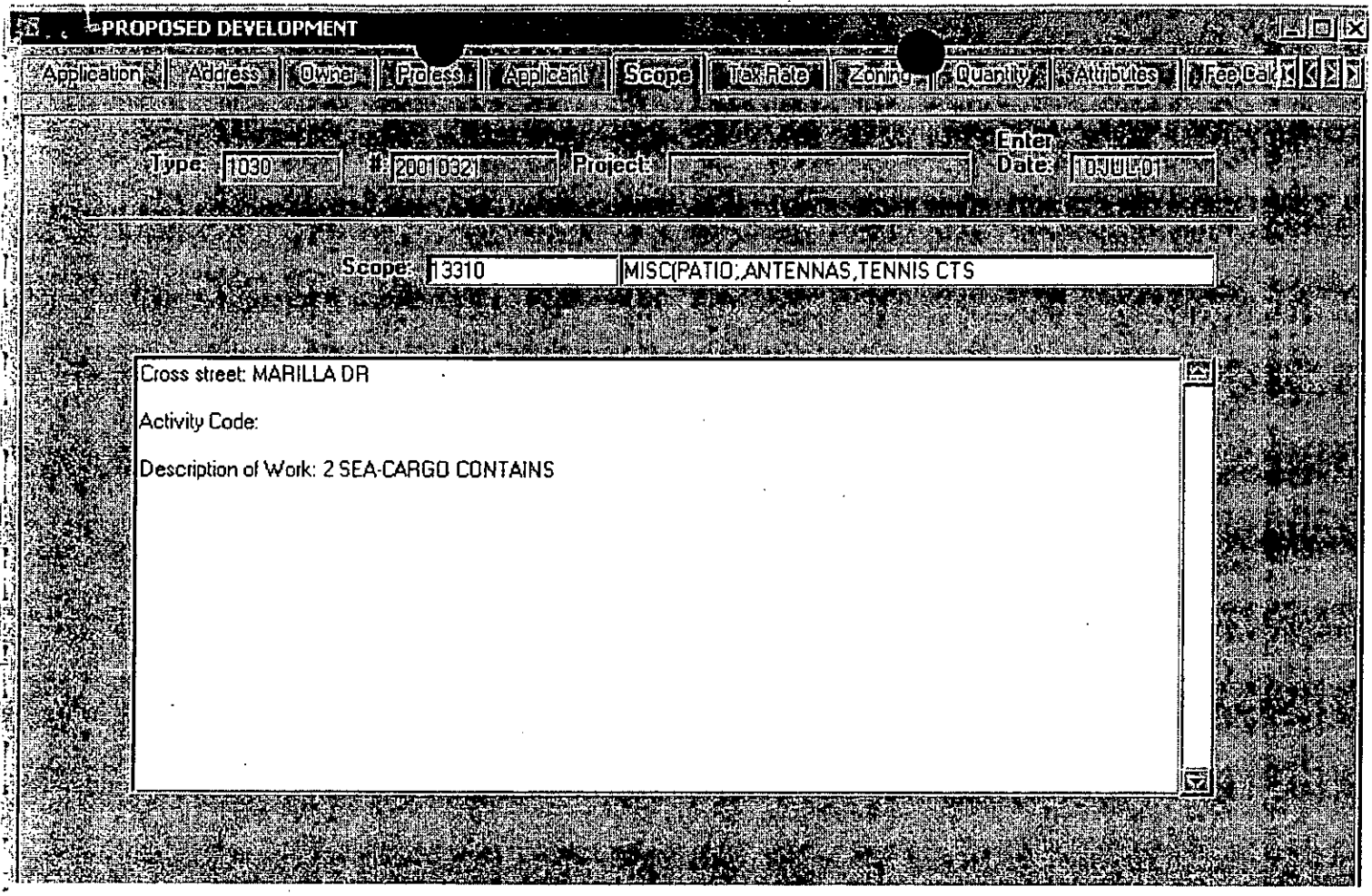

COMMENTS
Owner
Applicant
Scope
People
Act
Inv
Ust1
Ust2
Quantity
Recalc
FeePmt
Comments
HK07
135322
Proj
6HK26
Prop Dev
6HK26
Enter Date
04-MAY-02
By
Date
Comments
JTH
24-MAR-2004
Print on Permit
By
Date
Print on Permit
By
Date
Print on Permit
By
Date
Print on Permit


ADDRESS LOOK UP
Address
Address
Frac
Dir
Street Name
Type
PD
Suite
Pe
Suite
Permit Number
Project
Status
Act
1721
WOODSIDE
AV
HK07
104518
SHK04
INAC
Highlight desired record and select an option from the menu
Active
Inactive
All
Project Description
Permit Name
TRUCK WORLD


PROPOSED DEVELOPMENT
Application
Address
Owner
Appli
Scope
People
Bus Act
Inv
Ust
Ust 2
Quantity
Fee Calc
Type: HK07
#: 104518
Project: 6HK04
Enter
Date: 04-MAY-02
Scope: 6HK04


ADDRESS LOOK UP
Address
Pe
Address Frac Dir Street Name Type PD Suite Suite Permit Number Project Status Act
11747 WOODSIDE AV 1005 20010826 OPEN
11747 WOODSIDE AV 1030 20010321 EXPR
Highlight desired record and select an option from the menu
Active
Inactive
All
Project Description
Permit Name


PROPOSED DEVELOPMENT
Application
Address
Owner
Profe
Applicant
Scope
Tax Rate
Zoning
Quantity
Attributes
Inspect
Type: 1005
#: 20010826
Project:
Enter Date: 24-SEP-01
Scope: 18030
ELECTRICAL & PLUMBING
Cross street: Wintergardens
Description of Work: Misc electrical and plumbing repair to house.


PROPOSED DEVELOPMENT
Application
Address
Owner
Profess
Applicant
Scope
Tax Rate
Zoning
Quantity
Attributes
Fee Calc
Type: 1030
#: 2001032
Project:
Enter Date: 10-JUL-01
Scope: 13310
MISC(PATIO;,ANTENNAS,TENNIS CTS
Cross street: MARILLA DR
Activity Code:
Description of Work: 2 SEA-CARGO CONTAINS

APPENDIX E

PROJECT NO. 09429-06-01

BORING/WELL NO. GB 1

DATE DRILLED 06-16-2004 WATER LEVEL (ATD) _____

EQUIPMENT CME 75 8" HSA DRILLER TRI-COUNTY

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	WELL CONSTRUCTION	HEADSPACE (PPM)
1–4				Moist, light reddish brown, fine to medium Sandy SILT (SM)		
5		GB1-6.5 10:58		Moist, reddish brown, Clayey, fine to coarse SAND (SC)		
9		GB1-8.5 11:04		-Same		
11		GB1-10.5 11:12		-Same		
12				-Becomes tan at 12.5 feet		
13		GB1-12.5 11:18				
15		GB1-16 12:26		Moist, light brown, fine to coarse SAND with trace silt (SW)		
18		GB1-19 11:35				
19				-Same		
20				BORING TERMINATED AT 19.5 FEET		

Figure A-1, Log of Boring GB 1, page 1 of 1

09429-06-01.GPJ

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL: 6.5 cu. ft. Grout
SCREEN INTERVAL:	ANNULUS SEAL QUANTITY 0-20 ft.
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: C. BEAROR

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. 09429-06-01

BORING/WELL NO. GB 2

DATE DRILLED 06-16-2004 WATER LEVEL (ATD) _____

EQUIPMENT CME 75 8" HSA DRILLER TRI-COUNTY

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	WELL CONSTRUCTION	HEADSPACE (PPM)
1–4				Moist, light reddish brown, Silty, fine SAND (SM)		
5		GB2-6.5 12:00		Moist, reddish brown, fine to medium Sandy SILT (SM)		
6–7						
8				Moist, reddish brown, Clayey, fine to medium SAND (SC)		
9		GB2-8.5 12:06				
10						
11		GB2-10.5 12:13		-Becomes light brown at 10.5 feet		
12		GB2-12 12:41		Moist, light reddish brown, fine Sandy SILT (SM)		
13–14						
15				Moist, light brown, Clayey, fine SAND (SC)		
16		GB2-16.5 12:48				
17–18						
19		GB2-19.5 12:57		Moist, light reddish brown, Silty, fine to medium SAND (SM)		
20				BORING TERMINATED AT 20 FEET		
21–24						

Figure A-2, Log of Boring GB 2, page 1 of 1

09429-06-01.GPJ

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL: 6.5 cu. ft. Grout
SCREEN INTERVAL:	ANNULUS SEAL QUANTITY 0-20 ft.
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: C. BEAROR

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. 09429-06-01

BORING/WELL NO. GB 3

DATE DRILLED 06-16-2004 WATER LEVEL (ATD) _____

EQUIPMENT CME 75 8" HSA DRILLER TRI-COUNTY

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	WELL CONSTRUCTION	HEADSPACE (PPM)
1				Moist, dark reddish brown, Silty, fine to coarse SAND (SM)		
2						
3						
4						
5		GB3-6 1:23		-Becomes fine to medium sand at 5 feet		
6						
7		GB3-8.5 1:32				
8						
9				-Same		
10		GB3-10.5 1:41		Moist, dark brown and reddish brown, fine to medium Sandy SILT (SM)		
11	50/3"	GB3-12 1:53				
12				-Same		
13						
14						
15	36	GB3-16 2:03				
16				-Same		
17						
18	31	GB3-19.5 2:12		-Becomes olive green at 18 feet		
19						
20				BORING TERMINATED AT 20 FEET		
21						
22						
23						
24						

Figure A-3, Log of Boring GB 3, page 1 of 1

09429-06-01.GPJ

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL: 6.5 cu. ft. Grout
SCREEN INTERVAL:	ANNULUS SEAL QUANTITY 0-20 ft.
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: C. BEAROR

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. 09429-06-01

BORING/WELL NO. GB 4

DATE DRILLED 06-16-2004 WATER LEVEL (ATD) _____

EQUIPMENT CME 75 8" HSA DRILLER TRI-COUNTY

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	WELL CONSTRUCTION	HEADSPACE (PPM)
1–4				Moist, light brown, fine to medium Sandy SILT (SM)		
5–6		GB4-6.5 2:36		-Moist, reddish brown, fine to coarse SAND with trace silt (SM)		
7–8		GB4-7.5 2:44		Moist, reddish brown, fine Silty SAND (SM)		
9–10		GB4-10.5 2:50		-Same		
11–13		GB4-12.5 3:00		-Same		
14–15		GB4-14.5 3:06		-Same		
16–19		GB4-19.5 3:16		-Same		
20				BORING TERMINATED AT 20 FEET		
21–24						

Figure A-4, Log of Boring GB 4, page 1 of 1

09429-06-01.GPJ

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL: 6.5 cu. ft. Grout
SCREEN INTERVAL:	ANNULUS SEAL QUANTITY 0-20 ft.
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: C. BEAROR

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. 09429-06-01

BORING/WELL NO. GB 5

DATE DRILLED 06-16-2004 WATER LEVEL (ATD) _____

EQUIPMENT CME 75 8" HSA DRILLER TRI-COUNTY

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	WELL CONSTRUCTION	HEADSPACE (PPM)
1				Moist, dark brown, fine to medium Sandy SILT (SM)		
2						
3						
4						
5	33	GB5-6 4:15		Moist, light reddish brown, Silty, fine to medium SAND (SM)		
6						
7		GB5-7.5 4:25				
8				-Same		
9	37	GB5-9.5 4:30		-Becomes dark reddish brown at 9.5 feet		
10						
11		GB5-11.5 4:41				
12				-Becomes light reddish brown		
13						
14				-Same		
15	31	GB5-15.5 4:55				
16				-Same		
17						
18						
19		GB5-19.5 5:07				
20				-Same		
				BORING TERMINATED AT 20 FEET		
21						
22						
23						
24						

Figure A-5, Log of Boring GB 5, page 1 of 1

09429-06-01.GPJ

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL: 6.5 cu. ft. Grout
SCREEN INTERVAL:	ANNULUS SEAL QUANTITY 0-20 ft.
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: C. BEAROR

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. 09429-06-01

BORING/WELL NO. GB 6

DATE DRILLED 06-17-2004 WATER LEVEL (ATD) _____

EQUIPMENT CME 75 8" HSA DRILLER TRI-COUNTY

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	WELL CONSTRUCTION	HEADSPACE (PPM)
1–4				Moist, Silty, fine to coarse SAND with trace gravel (SM)		
5–7		GB6-6.5 8:35		Moist, light reddish brown, Silty, fine to medium SAND (SM)		
7–8		GB6-8.5 8:42				
8–9				Moist, light reddish brown, fine to medium Sandy SILT (SM)		
9–10		GB6-9.5 8:52				
10				-Same		
11		GB6-12.5 9:02		-Same		
12–13						
13–14				-Becomes light brown at 13 feet		
15–16		GB6-16.5 9:08				
16–17						
17–18				-Same		
18–19		GB6-19.0 9:21		Moist, light brown, Silty, fine to medium SAND (SM)		
20				BORING TERMINATED AT 19.5 FEET		
21–24						

Figure A-6, Log of Boring GB 6, page 1 of 1

09429-06-01.GPJ

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL: 6.5 cu. ft. Grout
SCREEN INTERVAL:	ANNULUS SEAL QUANTITY 0-20 ft.
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: C. BEARDR

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. 09429-06-01

BORING/WELL NO. GB 7

DATE DRILLED 06-17-2004 WATER LEVEL (ATD) _____

EQUIPMENT CME 75 8" HSA DRILLER TRI-COUNTY

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	WELL CONSTRUCTION	HEADSPACE (PPM)
1–4	36			Moist, moderate brown, fine Sandy SILT (SM)		
5		GB7-6.5 11:22		Moist, light brown, Silty, fine to medium SAND (SM)		
7				-Trace clay at 7 feet		
8		GB7-8 11:30				
9		GB7-9.5 11:32		-No clay at 9 feet		
11	50/6"	GB7-11.5 11:42		-Same		
15	36	GB7-16.5 11:55		Moist, light brown, Clayey, fine to medium SAND with trace silt (SC)		
18		GB7-19.5 12:06		-No silt at 18 feet		
20				BORING TERMINATED AT 20 FEET		

Figure A-7, Log of Boring GB 7, page 1 of 1

09429-06-01.GPJ

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL: 6.5 cu. ft. Grout
SCREEN INTERVAL:	ANNULUS SEAL QUANTITY 0-20 ft.
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: C. BEAROR

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. 09429-06-01

BORING/WELL NO. GB 8

DATE DRILLED 06-17-2004 WATER LEVEL (ATD) _____

EQUIPMENT CME 75 8" HSA DRILLER TRI-COUNTY

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	WELL CONSTRUCTION	HEADSPACE (PPM)
1				Moist, dark brown, fine to medium Silty SAND (SM)		
2						
3						
4						
5		GB8-6.5 12:50				
6				-Moist, moderate brown, silty, fine to medium SAND (SM)		
7				-Becomes fine sand at 7 feet		
8	50/6"	GB8-8.5 1:01				
9		GB8-9.5 1:07				
10				-Becomes fine to coarse sand at 9.5 feet		
11	50/5"	GB8-11.5 1:14		Moist, moderate brown, Clayey, fine to coarse SAND (SC)		
12						
13						
14				Moist, moderate brown, Silty, fine to medium SAND (SM)		
15		GB8-16.5 1:30				
16						
17						
18		GB8-19.0 1:36				
19				-Same		
20				BORING TERMINATED AT 19. 5 FEET		
21						
22						
23						
24						

Figure A-8, Log of Boring GB 8, page 1 of 1

09429-06-01.GPJ

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL: 6.5 cu. ft. Grout
SCREEN INTERVAL:	ANNULUS SEAL QUANTITY 0-20 ft.
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: C. BEAROR

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. 09429-06-01

BORING/WELL NO. GB 9

DATE DRILLED 06-17-2004 WATER LEVEL (ATD) _____

EQUIPMENT CME 75 8" HSA DRILLER TRI-COUNTY

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	WELL CONSTRUCTION	HEADSPACE (PPM)
1				Moist, grayish brown, fine to medium Sandy SILT (SM)		
2						
3						
4						
5	1	GB9-6.5				
6				-Same		
7						
8	5	GB9-8.5 2:08				
9				-Same		
10	6	GB9-10.5 2:11				
11				-Same		
12	4	GB9-12.5 2:12				
13				-Same		
14						
15	6	GB9-16.5 2:15				
16				-Same		
17						
18	2	GB9-19.5 2:20				
19						
20				-Same		
				BORING TERMINATED AT 20 FEET		
21						
22						
23						
24						

Figure A-9, Log of Boring GB 9, page 1 of 1

09429-06-01.GPJ

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL: 6.5 cu. ft. Grout
SCREEN INTERVAL:	ANNULUS SEAL QUANTITY 0-20 ft.
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: C. BEAROR

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

APPENDIX F

July 01, 2004

Linda Kung
Geocon Environmental
6970 Flanders Drive
San Diego, CA 92121
TEL: (858) 558-6100
FAX: (858) 558-8437

RE: 11719 WOODSIDE AVE, 9429-06-02

Attention: Linda Kung

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068886

Enclosed are the results for sample(s) received on May 10, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

This cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

Date: *01-Jul-04*

CLIENT: Geocon Environmental
Project: 11719 WOODSIDE AVE, 9429-06-02
Lab Order: 068886

Lab ID: 068886-004
Client Sample ID: TN-1-8
Collection Date: 5/7/2004 10:04:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC7_BACK_040511A	QC Batch: 18195			PrepDate	5/11/2004	Analyst: CBR
Diesel	5200	10		mg/Kg	1	5/11/2004
Motor Oil	2300	10		mg/Kg	1	5/11/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040511A	QC Batch: E04VS171			PrepDate		Analyst: JV
GRO	470	50		mg/Kg	50	5/11/2004

Lab ID: 068886-006
Client Sample ID: TW-1-6
Collection Date: 5/7/2004 10:17:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC8_040512A	QC Batch: 18213			PrepDate	5/12/2004	Analyst: CBR
Diesel	4800	10		mg/Kg	1	5/13/2004
Motor Oil	2000	10		mg/Kg	1	5/13/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040511A	QC Batch: E04VS171			PrepDate		Analyst: JV
GRO	37	1.0		mg/Kg	1	5/11/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Sample exceding holding time

Results are wet unless othewise specified

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *01-Jul-04*

CLIENT: Geocon Environmental
Project: 11719 WOODSIDE AVE, 9429-06-02
Lab Order: 068886

Lab ID: 068886-008
Client Sample ID: TS-1-7
Collection Date: 5/7/2004 10:25:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC7_BACK_040511A	QC Batch: 18195			PrepDate	5/11/2004	Analyst: CBR
Diesel	370	10		mg/Kg	1	5/11/2004
Motor Oil	260	10		mg/Kg	1	5/11/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040511A	QC Batch: E04VS171			PrepDate		Analyst: JV
GRO	1.3	1.0		mg/Kg	1	5/11/2004

Lab ID: 068886-009
Client Sample ID: T1-WATER
Collection Date: 5/7/2004 10:40:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (EPA 3510C)				**EPA 8015B(M)**		
RunID: GC7_040512B	QC Batch: 18209			PrepDate	5/12/2004	Analyst: CBR
Diesel	2.6	0.20		mg/L	1	5/12/2004
Motor Oil	3.8	0.20		mg/L	1	5/12/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC6_040511A	QC Batch: I04VW090			PrepDate		Analyst: JPC
GRO	ND	0.20		mg/L	1	5/11/2004

Qualifiers:

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- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Sample exceding holding time

Results are wet unless othewise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *01-Jul-04*

CLIENT: Geocon Environmental
Project: 11719 WOODSIDE AVE, 9429-06-02
Lab Order: 068886

Lab ID: 068886-010
Client Sample ID: EXC-1-3
Collection Date: 5/7/2004 11:00:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC7_BACK_040511A	QC Batch: 18195			PrepDate	5/11/2004	Analyst: CBR
Diesel	20	10		mg/Kg	1	5/11/2004
Motor Oil	14	10		mg/Kg	1	5/11/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040512A	QC Batch: E04VS172			PrepDate		Analyst: JV
GRO	ND	1.0		mg/Kg	1	5/12/2004

Lab ID: 068886-011
Client Sample ID: EXC-1-4
Collection Date: 5/7/2004 11:10:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC7_BACK_040511A	QC Batch: 18195			PrepDate	5/11/2004	Analyst: CBR
Diesel	81	10		mg/Kg	1	5/11/2004
Motor Oil	140	10		mg/Kg	1	5/11/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040511A	QC Batch: E04VS171			PrepDate		Analyst: JV
GRO	33	1.0		mg/Kg	1	5/11/2004

Qualifiers:

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- R - RPD outside accepted recovery limits
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- H-Sample exceding holding time

Results are wet unless othewise specified

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Advanced Technology Laboratories

Date: *01-Jul-04*

CLIENT: Geocon Environmental
Project: 11719 WOODSIDE AVE, 9429-06-02
Lab Order: 068886

Lab ID: 068886-012
Client Sample ID: EXC-2-5
Collection Date: 5/7/2004 11:30:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC7_BACK_040511A	QC Batch: 18195			PrepDate	5/11/2004	Analyst: CBR
Diesel	ND	10		mg/Kg	1	5/11/2004
Motor Oil	ND	10		mg/Kg	1	5/11/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040511A	QC Batch: E04VS171			PrepDate		Analyst: JV
GRO	ND	1.0		mg/Kg	1	5/11/2004

Lab ID: 068886-013
Client Sample ID: EXC-3-5
Collection Date: 5/7/2004 12:08:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC7_BACK_040511A	QC Batch: 18195			PrepDate	5/11/2004	Analyst: CBR
Diesel	ND	10		mg/Kg	1	5/11/2004
Motor Oil	ND	10		mg/Kg	1	5/11/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040511A	QC Batch: E04VS171			PrepDate		Analyst: JV
GRO	ND	1.0		mg/Kg	1	5/11/2004

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R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Sample exceding holding time

Results are wet unless othewise specified

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Date: *01-Jul-04*

CLIENT: Geocon Environmental
Project: 11719 WOODSIDE AVE, 9429-06-02
Lab Order: 068886

Lab ID: 068886-014
Client Sample ID: EXC-4-5
Collection Date: 5/7/2004 12:30:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC7_BACK_040511A	QC Batch: 18195			PrepDate: 5/11/2004		Analyst: CBR
Diesel	ND	10		mg/Kg	1	5/11/2004
Motor Oil	ND	10		mg/Kg	1	5/11/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040511A	QC Batch: E04VS171			PrepDate:		Analyst: JV
GRO	ND	1.0		mg/Kg	1	5/11/2004

Qualifiers:

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- R - RPD outside accepted recovery limits
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Advanced Technology Laboratories

Date: *01-Jul-04*

CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM H

Sample ID	MB-18195	SampType:	MBLK	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	5/11/2004	Run ID:	GC7_BACK_040511A
Client ID:	ZZZZZ	Batch ID:	18195	TestNo:	EPA 8015B(M (LUFT)			Analysis Date:	5/11/2004	SeqNo:	562845

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	10									
Motor Oil	ND	10									

Sample ID	MB-18195	SampType:	MBLK	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	5/11/2004	Run ID:	GC7_BACK_040511A
Client ID:	ZZZZZ	Batch ID:	18195	TestNo:	EPA 8015B(M (LUFT)			Analysis Date:	5/12/2004	SeqNo:	563400

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	10									
Motor Oil	ND	10									

Sample ID	MB-18213	SampType:	MBLK	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	5/12/2004	Run ID:	GC8_040512A
Client ID:	ZZZZZ	Batch ID:	18213	TestNo:	EPA 8015B(M (LUFT)			Analysis Date:	5/12/2004	SeqNo:	563878

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	10									
Motor Oil	ND	10									

Sample ID	MB-18213	SampType:	MBLK	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	5/12/2004	Run ID:	GC8_040512A
Client ID:	ZZZZZ	Batch ID:	18213	TestNo:	EPA 8015B(M (LUFT)			Analysis Date:	5/12/2004	SeqNo:	579618

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	10									
Motor Oil	ND	10									

Sample ID	LCS-18195	SampType:	LCS	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	5/11/2004	Run ID:	GC7_BACK_040511A
Client ID:	ZZZZZ	Batch ID:	18195	TestNo:	EPA 8015B(M (LUFT)			Analysis Date:	5/11/2004	SeqNo:	562846

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM H

Sample ID LCS-18195	SampType: LCS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 5/11/2004	Run ID: GC7_BACK_040511A
Client ID: ZZZZZ	Batch ID: 18195	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 5/11/2004	SeqNo: 562846

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	896.5	10	1000	0	89.6	73	125	0	0		

Sample ID LCS-18195	SampType: LCS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 5/11/2004	Run ID: GC7_BACK_040511A
Client ID: ZZZZZ	Batch ID: 18195	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 5/11/2004	SeqNo: 563399

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	989.5	10	1000	0	99	73	125	0	0		

Sample ID LCS-18213	SampType: LCS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 5/12/2004	Run ID: GC8_040512A
Client ID: ZZZZZ	Batch ID: 18213	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 5/12/2004	SeqNo: 563879

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	898.1	10	1000	0	89.8	73	125	0	0		

Sample ID LCS-18213	SampType: LCS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 5/12/2004	Run ID: GC8_040512A
Client ID: ZZZZZ	Batch ID: 18213	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 5/12/2004	SeqNo: 579619

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	898.1	10	1000	0	89.8	73	125	0	0		

Sample ID 068901-001AMS	SampType: MS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 5/11/2004	Run ID: GC7_BACK_040511A
Client ID: ZZZZZ	Batch ID: 18195	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 5/11/2004	SeqNo: 562848

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	876.5	10	1000	53.5	82.3	70	128	0	0		

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM H

Sample ID	068909-001AMS	SampType:	MS	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	5/12/2004	Run ID:	GC8_040512A
Client ID:	ZZZZZ	Batch ID:	18213	TestNo:	EPA 8015B(M (LUFT)			Analysis Date:	5/12/2004	SeqNo:	563880

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	905.6	10	1000	7.398	89.8	70	128	0	0		

Sample ID	068909-001AMS	SampType:	MS	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	5/12/2004	Run ID:	GC8_040512A
Client ID:	ZZZZZ	Batch ID:	18213	TestNo:	EPA 8015B(M (LUFT)			Analysis Date:	5/12/2004	SeqNo:	579620

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	905.6	10	1000	7.398	89.8	70	128	0	0		

Sample ID	068901-001AMSD	SampType:	MSD	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	5/11/2004	Run ID:	GC7_BACK_040511A
Client ID:	ZZZZZ	Batch ID:	18195	TestNo:	EPA 8015B(M (LUFT)			Analysis Date:	5/11/2004	SeqNo:	562914

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	872.8	10	1000	53.5	81.9	70	128	876.5	0.421	30	

Sample ID	068909-001AMSD	SampType:	MSD	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	5/12/2004	Run ID:	GC8_040512A
Client ID:	ZZZZZ	Batch ID:	18213	TestNo:	EPA 8015B(M (LUFT)			Analysis Date:	5/12/2004	SeqNo:	563881

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	889.4	10	1000	7.398	88.2	70	128	905.6	1.80	30	

Sample ID	068909-001AMSD	SampType:	MSD	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	5/12/2004	Run ID:	GC8_040512A
Client ID:	ZZZZZ	Batch ID:	18213	TestNo:	EPA 8015B(M (LUFT)			Analysis Date:	5/12/2004	SeqNo:	579621

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	889.4	10	1000	7.398	88.2	70	128	905.6	1.80	30	

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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID	E051204MB	SampType:	MBLK	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040512A
Client ID:	ZZZZZ	Batch ID:	E04VS172	TestNo:	EPA 8015B(M			Analysis Date:	5/12/2004	SeqNo:	563771

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									

Sample ID	E052004MB	SampType:	MBLK	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040520A
Client ID:	ZZZZZ	Batch ID:	E04VS177	TestNo:	EPA 8015B(M			Analysis Date:	5/20/2004	SeqNo:	567206

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									

Sample ID	E051104MB	SampType:	MBLK	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040511A
Client ID:	ZZZZZ	Batch ID:	E04VS171	TestNo:	EPA 8015B(M			Analysis Date:	5/11/2004	SeqNo:	579261

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									

Sample ID	E051104MB2	SampType:	MBLK	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040511A
Client ID:	ZZZZZ	Batch ID:	E04VS171	TestNo:	EPA 8015B(M			Analysis Date:	5/11/2004	SeqNo:	579262

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0	0	0	0	0	0	0	0		

Sample ID	E051204LC	SampType:	LCS	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040512A
Client ID:	ZZZZZ	Batch ID:	E04VS172	TestNo:	EPA 8015B(M			Analysis Date:	5/12/2004	SeqNo:	563780

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.621	1.0	5	0	92.4	76	116	0	0		

Qualifiers:

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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID E052004LC2	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	Run ID: GC2_040520A
Client ID: ZZZZZ	Batch ID: E04VS177	TestNo: EPA 8015B(M		Analysis Date: 5/20/2004	SeqNo: 567210

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.026	1.0	5	0	80.5	76	116	0	0		

Sample ID E051104LC	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	Run ID: GC2_040511A
Client ID: ZZZZZ	Batch ID: E04VS171	TestNo: EPA 8015B(M		Analysis Date: 5/11/2004	SeqNo: 579266

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.341	1.0	5	0	86.8	76	116	0	0		

Sample ID 068909-021AMS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	Run ID: GC2_040512A
Client ID: ZZZZZ	Batch ID: E04VS172	TestNo: EPA 8015B(M		Analysis Date: 5/12/2004	SeqNo: 563778

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.844	1.0	5	0.543	86	27	137	0	0		

Sample ID 069011-006AMS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	Run ID: GC2_040520A
Client ID: ZZZZZ	Batch ID: E04VS177	TestNo: EPA 8015B(M		Analysis Date: 5/20/2004	SeqNo: 567208

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.263	1.0	5	0	85.3	27	137	0	0		

Sample ID 068886-004AMS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	Run ID: GC2_040511A
Client ID: TN-1-8	Batch ID: E04VS171	TestNo: EPA 8015B(M		Analysis Date: 5/11/2004	SeqNo: 579264

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	23.12	1.0	5	111.6	-1770	27	137	0	0		S

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID 068909-021AMSD	SampType: MSD	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:			Run ID: GC2_040512A			
Client ID: ZZZZZ	Batch ID: E04VS172	TestNo: EPA 8015B(M		Analysis Date: 5/12/2004			SeqNo: 563779			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.808	1.0	5	0.543	85.3	27	137	4.844	0.746	25	

Sample ID 069011-006AMSD	SampType: MSD	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:			Run ID: GC2_040520A			
Client ID: ZZZZZ	Batch ID: E04VS177	TestNo: EPA 8015B(M		Analysis Date: 5/20/2004			SeqNo: 567209			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.018	1.0	5	0	80.4	27	137	4.263	5.92	25	

Sample ID 068886-004AMSD	SampType: MSD	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:			Run ID: GC2_040511A			
Client ID: TN-1-8	Batch ID: E04VS171	TestNo: EPA 8015B(M		Analysis Date: 5/11/2004			SeqNo: 579265			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	19.75	1.0	5	111.6	-1840	27	137	23.12	15.7	25	S

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DO- Surrogate dilute out
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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DM

Sample ID	MB-18209	SampType:	MBLK	TestCode:	8015_W_DM	Units:	mg/L	Prep Date:	5/12/2004	Run ID:	GC7_040512B
Client ID:	ZZZZZ	Batch ID:	18209	TestNo:	EPA 8015B(M	(EPA 3510C)		Analysis Date:	5/12/2004	SeqNo:	564019

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	0.20									
Motor Oil	ND	0.20									

Sample ID	LCS-18209	SampType:	LCS	TestCode:	8015_W_DM	Units:	mg/L	Prep Date:	5/12/2004	Run ID:	GC7_040512B
Client ID:	ZZZZZ	Batch ID:	18209	TestNo:	EPA 8015B(M	(EPA 3510C)		Analysis Date:	5/12/2004	SeqNo:	564020

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.7683	0.20	1	0	76.8	57	114	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID	I051104MB1	SampType:	MBLK	TestCode:	8015_W_G P	Units:	mg/L	Prep Date:		Run ID:	GC6_040511A
Client ID:	ZZZZZ	Batch ID:	I04VW090	TestNo:	EPA 8015B(M			Analysis Date:	5/11/2004	SeqNo:	563118

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20									

Sample ID	I051104LC1	SampType:	LCS	TestCode:	8015_W_G P	Units:	mg/L	Prep Date:		Run ID:	GC6_040511A
Client ID:	ZZZZZ	Batch ID:	I04VW090	TestNo:	EPA 8015B(M			Analysis Date:	5/11/2004	SeqNo:	563122

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.932	0.20	1	0	93.2	70	125	0	0		

Sample ID	I051104MB1MS	SampType:	MS	TestCode:	8015_W_G P	Units:	mg/L	Prep Date:		Run ID:	GC6_040511A
Client ID:	ZZZZZ	Batch ID:	I04VW090	TestNo:	EPA 8015B(M			Analysis Date:	5/11/2004	SeqNo:	563116

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.821	0.20	1	0	82.1	64	129	0	0		

Sample ID	I051104MB1MSD	SampType:	MSD	TestCode:	8015_W_G P	Units:	mg/L	Prep Date:		Run ID:	GC6_040511A
Client ID:	ZZZZZ	Batch ID:	I04VW090	TestNo:	EPA 8015B(M			Analysis Date:	5/11/2004	SeqNo:	563117

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.813	0.20	1	0	81.3	64	129	0.821	0.979	30	

Qualifiers:

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Calculations are based on raw values
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H - Sample exceeded holding time

Diane

From: Bing
Sent: Friday, June 25, 2004 9:03 AM
To: Diane
Subject: FW: Lab project No. 68053 and 68886

Please relog per e-mail below.

Thanks,
Bing

-----Original Message-----
From: Chad Bearor [mailto:bearor@geoconinc.com]
Sent: Friday, June 25, 2004 8:47 AM
To: Bing
Subject: Lab project No. 68053 and 68886

Can you please report TPH as gas diesel and motor oil for the previous lab id's.

Chad Bearor
Environmental Technician
Geocon Consultants, Inc.
Phone (858) 558-6100
Fax (858) 558-8437

May 21, 2004

Linda Kung
Geocon Environmental
6970 Flanders Drive
San Diego, CA 92121
TEL: (858) 558-6100
FAX: (858) 558-8437

RE: 11719 WOODSIDE AVE, 9429-06-02

Attention: Linda Kung

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068886

Enclosed are the results for sample(s) received on May 10, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

This cover letter is an integral part of this analytical report.

Advanced Technology Laboratories

Date: *21-May-04*

CLIENT: Geocon Environmental
Project: 11719 WOODSIDE AVE, 9429-06-02
Lab Order: 068886

Lab ID: 068886-004
Client Sample ID: TN-1-8
Collection Date: 5/7/2004 10:04:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/PID				**EPA 8020A**		
RunID: GC2_040520A	QC Batch: E04VS177			PrepDate:		Analyst: **JV**
Benzene	990	250		µg/Kg	50	5/20/2004
Ethylbenzene	360	250		µg/Kg	50	5/20/2004
m,p-Xylene	ND	250		µg/Kg	50	5/20/2004
o-Xylene	610	250		µg/Kg	50	5/20/2004
Toluene	480	250		µg/Kg	50	5/20/2004

Lab ID: 068886-006
Client Sample ID: TW-1-6
Collection Date: 5/7/2004 10:17:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/PID				**EPA 8020A**		
RunID: GC2_040520A	QC Batch: E04VS177			PrepDate:		Analyst: **JV**
Benzene	5.9	5.0		µg/Kg	1	5/20/2004
Ethylbenzene	33	5.0		µg/Kg	1	5/20/2004
m,p-Xylene	20	5.0		µg/Kg	1	5/20/2004
o-Xylene	59	5.0		µg/Kg	1	5/20/2004
Toluene	ND	5.0		µg/Kg	1	5/20/2004

Lab ID: 068886-008
Client Sample ID: TS-1-7
Collection Date: 5/7/2004 10:25:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/PID				**EPA 8020A**		
RunID: GC2_040520A	QC Batch: E04VS177			PrepDate:		Analyst: **JV**
Benzene	ND	5.0		µg/Kg	1	5/20/2004
Ethylbenzene	ND	5.0		µg/Kg	1	5/20/2004
m,p-Xylene	ND	5.0		µg/Kg	1	5/20/2004
o-Xylene	ND	5.0		µg/Kg	1	5/20/2004
Toluene	ND	5.0		µg/Kg	1	5/20/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Sample exceding holding time

Results are wet unless othewise specified

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-May-04*

CLIENT: Geocon Environmental
Project: 11719 WOODSIDE AVE, 9429-06-02
Lab Order: 068886

Lab ID: 068886-009
Client Sample ID: T1-WATER
Collection Date: 5/7/2004 10:40:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
		EPA 8020A				
RunID: GC6_040511A	QC Batch: I04VW090			PrepDate:		Analyst: **JPC**
Benzene	ND	0.50		µg/L	1	5/11/2004
Ethylbenzene	ND	0.50		µg/L	1	5/11/2004
m,p-Xylene	ND	0.50		µg/L	1	5/11/2004
MTBE	ND	0.50		µg/L	1	5/11/2004
o-Xylene	ND	0.50		µg/L	1	5/11/2004
Toluene	ND	0.50		µg/L	1	5/11/2004

Qualifiers:

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- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Sample exceding holding time

Results are wet unless othewise specified

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-May-04*

CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8020_S_FULL

Sample ID: E052004MB	SampType: MBLK	TestCode: 8020_S_FUL	Units: µg/Kg	Prep Date:	Run ID: GC2_040520A
Client ID: ZZZZZ	Batch ID: E04VS177	TestNo: EPA 8020A		Analysis Date: 5/20/2004	SeqNo: 566794

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	5.0									
o-Xylene	ND	5.0									
Toluene	ND	5.0									
Surr: Bromofluorobenzene (PID)	83.72	0	100	0	83.7	37	146	0	0		

Sample ID: E052004MB2	SampType: MBLK	TestCode: 8020_S_FUL	Units: µg/Kg	Prep Date:	Run ID: GC2_040520A
Client ID: ZZZZZ	Batch ID: E04VS177	TestNo: EPA 8020A		Analysis Date: 5/20/2004	SeqNo: 566800

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	5.0									
o-Xylene	ND	5.0									
Toluene	ND	5.0									
Surr: Bromofluorobenzene (PID)	80.25	0	100	0	80.2	37	146	0	0		

Sample ID: 069011-006AMS	SampType: MS	TestCode: 8020_S_FUL	Units: µg/Kg	Prep Date:	Run ID: GC2_040520A
Client ID: ZZZZZ	Batch ID: E04VS177	TestNo: EPA 8020A		Analysis Date: 5/20/2004	SeqNo: 566796

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	36.12	5.0	27	0	134	23	136	0	0		
Ethylbenzene	42.52	5.0	42	0	101	22	149	0	0		
m,p-Xylene	146.1	5.0	193	0	75.7	24	115	0	0		
o-Xylene	64.38	5.0	65	0	99	31	126	0	0		
Toluene	131.7	5.0	134	0	98.3	31	140	0	0		
Surr: Bromofluorobenzene (PID)	92.79	0	100	0	92.8	37	146	0	0		

Qualifiers:
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J - Analyte detected below quantitation limits
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8020_S_FULL

Sample ID: **069011-006AMSD** SampType: **MSD** TestCode: **8020_S_FUL** Units: **µg/Kg** Prep Date: Run ID: **GC2_040520A**
Client ID: **ZZZZZ** Batch ID: **E04VS177** TestNo: **EPA 8020A** Analysis Date: **5/20/2004** SeqNo: **566797**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	35.78	5.0	27	0	132	23	136	36.12	0.971	30	
Ethylbenzene	42.2	5.0	42	0	100	22	149	42.52	0.765	30	
m,p-Xylene	149.1	5.0	193	0	77.3	24	115	146.1	2.03	30	
o-Xylene	63.84	5.0	65	0	98.2	31	126	64.38	0.847	30	
Toluene	130.5	5.0	134	0	97.4	31	140	131.7	0.861	30	
Surr: Bromofluorobenzene (PID)	92.38	0	100	0	92.4	37	146	0	0	30	

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8020_W_PRES

Sample ID: I051104MB1	SampType: MBLK	TestCode: 8020_W_PRE	Units: µg/L	Prep Date:	Run ID: GC6_040511A
Client ID: ZZZZZ	Batch ID: I04VW090	TestNo: EPA 8020A		Analysis Date: 5/11/2004	SeqNo: 563108

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.50									
Ethylbenzene	ND	0.50									
m,p-Xylene	ND	0.50									
MTBE	ND	0.50									
o-Xylene	ND	0.50									
Toluene	ND	0.50									
Surr: Bromofluorobenzene (PID)	91.07	0	100	0	91.1	83	119	0	0		

Sample ID: I051104LC2	SampType: LCS	TestCode: 8020_W_PRE	Units: µg/L	Prep Date:	Run ID: GC6_040511A
Client ID: ZZZZZ	Batch ID: I04VW090	TestNo: EPA 8020A		Analysis Date: 5/11/2004	SeqNo: 563115

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	98.22	0.50	100	0	98.2	72	138	0	0		
Ethylbenzene	98.83	0.50	100	0	98.8	71	120	0	0		
m,p-Xylene	186.7	0.50	200	0	93.4	74	119	0	0		
MTBE	97.31	0.50	100	0	97.3	69	130	0	0		
o-Xylene	99.17	0.50	100	0	99.2	78	131	0	0		
Toluene	95	0.50	100	0	95	70	129	0	0		
Surr: Bromofluorobenzene (PID)	90.29	0	100	0	90.3	83	119	0	0		

Sample ID: I051104MB1MS	SampType: MS	TestCode: 8020_W_PRE	Units: µg/L	Prep Date:	Run ID: GC6_040511A
Client ID: ZZZZZ	Batch ID: I04VW090	TestNo: EPA 8020A		Analysis Date: 5/11/2004	SeqNo: 563106

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	6.437	0.50	5.5	0	117	68	135	0	0		
Ethylbenzene	8.193	0.50	8.6	0	95.3	75	115	0	0		
m,p-Xylene	29.42	0.50	35	0	84.1	73	118	0	0		
MTBE	93.57	0.50	101	0	92.6	61	127	0	0		
o-Xylene	11.28	0.50	12	0	94	80	131	0	0		
Toluene	24.96	0.50	30	0	83.2	73	124	0	0		

Qualifiers:
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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8020_W_PRES

Sample ID: I051104MB1MS	SampType: MS	TestCode: 8020_W_PRE	Units: µg/L	Prep Date:	Run ID: GC6_040511A
Client ID: ZZZZZ	Batch ID: I04VW090	TestNo: EPA 8020A		Analysis Date: 5/11/2004	SeqNo: 563106

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	40.7	1.0	47	0	86.6	70	130	0	0		
Surr: Bromofluorobenzene (PID)	88.51	0	100	0	88.5	83	119	0	0		

Sample ID: I051104MB1MSD	SampType: MSD	TestCode: 8020_W_PRE	Units: µg/L	Prep Date:	Run ID: GC6_040511A
Client ID: ZZZZZ	Batch ID: I04VW090	TestNo: EPA 8020A		Analysis Date: 5/11/2004	SeqNo: 563107

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	6.5	0.50	5.5	0	118	68	135	6.437	0.974	30	
Ethylbenzene	8.484	0.50	8.6	0	98.7	75	115	8.193	3.49	30	
m,p-Xylene	30.43	0.50	35	0	87	73	118	29.42	3.39	30	
MTBE	95.09	0.50	101	0	94.2	61	127	93.57	1.62	30	
o-Xylene	11.8	0.50	12	0	98.3	80	131	11.28	4.48	30	
Toluene	25.61	0.50	30	0	85.4	73	124	24.96	2.54	30	
Xylenes, Total	42.23	1.0	47	0	89.9	70	130	40.7	3.69	30	
Surr: Bromofluorobenzene (PID)	87.24	0	100	0	87.2	83	119	0	0	0	

Qualifiers:
ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
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CHAIN OF CUSTODY RECORD

Pg 1 of

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date:

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED Y☐ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☐ N☐ 4. SEALED Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL Address: 6970 Flanders Drive TEL (858) 558-6100

Attn: Eric Prieve City San Diego State CA Zip Code 92121 FAX (858) 558-8437

Project Name: Genesee Ave Project #: 1429-06-01 Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: 5/26/11 Time: 1630 Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below

Project Mgr./Submitter: Eric

Print Name Date

Signature

Send Report To: Attn: Eric Co: Client Address: City State Zip

Bill To: Attn: Co: Client Address: City State Zip

Special Instructions/Comments:

Sample/Records Archival & Disposal

Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):

- Samples: $2.00/ sample / mo (after 45 days)
- Records: $1.00/ ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides) | 8082 (PCB) | 8260B (Volatiles) | 8270C (BNA) | 6010B (Total Metal) | 8015B (GRO) / BTEX | 8015B (DRO) | TCLP

SPECIFY APPROPRIATE MATRIX: SOIL | WATER | GROUNDWATER | WASTEWATER

ATL USE ONLY: Batch # / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	TAT	Container(s): #	Container(s): Type	PRESERVATION	REMARKS
	T-1	5/26/11	1130					
	T-1-A		1140					
	T-1-B		1150					
	T-2-A		1310					
	T-2-B		1315					
	T-3-A		1405					
	T-3-B		1410					
	T-4-A		1445					
	T-4-B		1450					

QA/QC: RTNE ☒ CT ☐ SWRCB Logcode ☐ OTHER

* TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight 24 hr. B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube, V=VOA, L=Liter, P=Pint, J=Jar, B=Tedlar, G=Glass, P=Plastic, M=Metal

Preservatives: H=HCl, N=HNO3, S=H2SO4, C=4°C, Z=Zn(AC)2, O=NaOH, T=Na2S2O3

DISTRIBUTION: White (with report) Yellow (to client) Pink (to originator)

CHAIN OF CUSTODY RECORD

Pg 2 of 2

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date:

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED Y☐ N☐ | 2. HEADSPACE (VOA) Y☐ N☐ | 3. CONTAINER INTACT Y☐ N☐ | 4. SEALED Y☐ N☐ | 5. # OF SPLS MATCH COC Y☐ N☐ | 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL

Address: 6970 Flanders Drive

TEL: (858) 558-6100

Attn:

City: San Diego State: CA Zip Code: 92121

FAX: (858) 558-8437

Project Name: Project #: Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I/we hereby authorize ATL to perform the work indicated below

Project Mgr./Submitter:

Print Name Date

Signature

Send Report To:
Attn:
Co:
Address:
City State Zip

Bill To:
Attn:
Co:
Address:
City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal:
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Samples - $2.00/ sample/ mo (after 45 days)
- Records - $1.00/ ATL workorder/ mo (after 1 year)

T A T	LAB USE ONLY: Batch # / Lab No	Sample Description: Sample I.D. / Location	Date	Time

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

8015A (Pesticides)	8082 (PCB)	8260B (VOCs/8lts)	8270C (BNA)	6010B (Total Metals)	8015B (GRO/ BTEX)	8015B (DRO)	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	QA/QC	REMARKS
															RTNE ☐ CT ☐ SWRCB ☐ Logcode	
															OTHER	

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Preservatives: H=HCl N=HNO3 S=H2SO4 C=4°C (AC) =NaOH =Na

CHAIN OF CUSTODY RECORD

Pg 1 of 2

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#
Logged By: Date:

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FEDEX ☐ Other

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL
Attn: David Kunz
Address: 6970 Flanders Drive
City: San Diego State: CA Zip Code: 92121
TEL: (858) 558-6100
FAX: (858) 558-8437

Project Name: Otay Mesa Site
Project #: 6429-06-02
Sampler: (Printed Name) C. Bell (Signature)

Relinquished by: (Signature and Printed Name) Date: 5/6/07 Time: 1445 Received by: (Signature and Printed Name) Alan Osgamil Date: 5/7 Time: 945
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below
Project Mgr./Submitter: Chris Bell
Print Name Date
Signature

Send Report To:
Attn:
Co: GEOCON
Address:
City State Zip

Bill To:
Attn:
Co: GEOCON
Address:
City State Zip

Special Instructions/Comments:

Sample/Records Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.
Storage Fees (applies when storage is requested):
- Samples: $2.00 / sample / mo (after 45 days)
- Records: $1.00 / ATL workorder / mo (after 1 year)

TEM	LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	Circle or Add Analysis(es) Requested: 8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metals)	8015B (GRO) / BTEX	8015B (DRO)	TPHC	SPECIFY APPROPRIATE MATRIX: SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	QA/QC: RTNE ☒ CT ☐ SWRCB ☐ Logcode	OTHER	REMARKS
		T-W-1-5		1150								X	X					1	VOA	C			Incl.
		T-W-1-10		1155																			
		T-W-1-12.5		1024																			
		T-W-1-15		1107						X													
		T-W-1-5		1010																			
		T-W-1-6		1019																			
		T-S-1-5		1020						X													
		T-S-1-12		1025						X													
		T-W-1-3 - TRIP BLANK		1040						X				X				1	VOA	C			
		T-W-1-3 - TRIP BLANK		1040						X				X				1	LAC	C			

TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal Z=Zn(AC)2 O=NaOH T=Na2S2O3

Preservatives: H=HCl N=HNO3 S=H2SO4 C=4°C

DISTRIBUTION: White with report Yellow to folder Pink to submitter

CHAIN OF CUSTODY RECORD

Pg 2 of 2

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FEDEX ☐ Other: _____

Sample Condition Upon Receipt: 1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐ 3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL | Address: 6970 Flanders Drive | TEL: (858) 558-6100

Attn: Joel Dakos | City: San Diego | State: CA | Zip Code: 92121 | FAX: (858) 558-8437

Project Name: 11019 Woods Dr Alpine | Project #: 9426-06-02 | Sampler: (Printed Name) CGB (Signature)

Relinquished by: (Signature and Printed Name) Chad Bond | Date: 5/7/04 | Time: 445 | Received by: (Signature and Printed Name) Alan Estevilla | Date: 5/7 | Time: 945

Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time:

Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time:

I hereby authorize ATL to perform the work indicated below.

Project Mgr./Submitter: Chad Bond 5/7/04

Print Name | Date

Signature

Send Report To: Attn: Joel | Co: Geocon | Address: | City: | State: | Zip:

Bill To: Attn: | Co: Geocon | Address: | City: | State: | Zip:

Special Instructions/Comments: Asbestos Sample

Sample/Records - Archival & Disposal

Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):

1. Sample: $2.00 / sample / mo (after 45 days)
2. Records: $1.00 / ATL workorder / mo (after 1 year)

LAB USE ONLY: Batch # / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	Circle or Add Analysis(es) Requested: 8081 A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / BTEX	8015B (DRO)	Asbestos	SPECIFY APPROPRIATE MATRIX: SOIL	WATER	GROUNDWATER	WASTEWATER	TAT	Container(s): #	Type	PRESERVATION	Q A / Q C: RTNE ☒ CT ☐ SWRCB Logcode ☐ OTHER	REMARKS
	EXC-1-3	5/7	1100			X			X		X			X			5	1	6		
	EXC-1-4	5/7	1110	X	X	X	X		X	X							5	1	6		
	EXC-2-3	5/7	1130			X			X								5	1	6		
	EXC-3-3	5/7	1200			X			X								5	1	6		
	EXC-4-3	5/7	1230			X			X								5	1	6		

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight / 24 hr | B= Emergency / Next workday | C= Critical / 2 Workdays | D= Urgent / 3 Workdays | E= Routine / 7 Workdays

Preservatives: H=HCl N=HNO3 S=H2SO4 C=4°C

Containers: A= B=T G= P= J= V= O(AC) =Na T=N

June 29, 2004

Bob Owoc
Geocon Environmental
6970 Flanders Drive
San Diego, CA 92121
TEL: (858) 558-6100
FAX: (858) 558-8437

RE: WOODSIDE AVE, 9429-06-01

Attention: Bob Owoc

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068053

Enclosed are the results for sample(s) received on March 25, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

This cover letter is an integral part of this analytical report.

CLIENT: Geocon Environmental
Project: WOODSIDE AVE, 9429-06-01
Lab Order: 068053

CASE NARRATIVE

Analytical Comments for Method 8015 (Diesel/Motor Oil)

Samples 068053-001A, 068053-002A, 068053-004A, 068053-007A, 068053-009A, 068053-010A, 068053-011A, 068053-012A and 068053-014A contain hydrocarbons within the diesel/motor oil range that do not match the diesel/motor oil pattern. Quantitation was based on a diesel/motor oil standard.

Sample 068053-005A contains hydrocarbons within the motor oil range that do not match the motor oil pattern. Quantitation was based on a motor oil standard.

Sample 068053-013A contains hydrocarbons within the diesel range that do not match the diesel pattern. Quantitation was based on a diesel standard.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *29-Jun-04*

CLIENT: Geocon Environmental
Project: WOODSIDE AVE, 9429-06-01
Lab Order: 068053

Lab ID: 068053-001
Collection Date: 3/23/2004 8:35:00 AM
Client Sample ID: T1-2
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC8_040327B	QC Batch: 17565			PrepDate	3/26/2004	Analyst: CBR
Diesel	150	10		mg/Kg	1	3/29/2004
Motor Oil	400	10		mg/Kg	1	3/29/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040327A	QC Batch: E04VS119			PrepDate		Analyst: JV
GRO	ND	1.0		mg/Kg	1	3/27/2004

Lab ID: 068053-002
Collection Date: 3/23/2004 8:50:00 AM
Client Sample ID: T1-4
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC8_040327B	QC Batch: 17565			PrepDate	3/26/2004	Analyst: CBR
Diesel	ND	10		mg/Kg	1	3/29/2004
Motor Oil	ND	10		mg/Kg	1	3/29/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040327A	QC Batch: E04VS119			PrepDate		Analyst: JV
GRO	ND	1.0		mg/Kg	1	3/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Sample exceding holding time

Results are wet unless othewise specified

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *29-Jun-04*

CLIENT: Geocon Environmental
Project: WOODSIDE AVE, 9429-06-01
Lab Order: 068053

Lab ID: 068053-003
Client Sample ID: T1-6
Collection Date: 3/23/2004 9:00:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC8_040327B	QC Batch: 17565			PrepDate 3/26/2004		Analyst: CBR
Diesel	ND	10		mg/Kg	1	3/29/2004
Motor Oil	ND	10		mg/Kg	1	3/29/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040327A	QC Batch: E04VS119			PrepDate		Analyst: JV
GRO	ND	1.0		mg/Kg	1	3/27/2004

Lab ID: 068053-004
Client Sample ID: T2-2
Collection Date: 3/23/2004 9:30:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC8_040327B	QC Batch: 17565			PrepDate 3/26/2004		Analyst: CBR
Diesel	250	10		mg/Kg	1	3/29/2004
Motor Oil	590	10		mg/Kg	1	3/29/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040327A	QC Batch: E04VS119			PrepDate		Analyst: JV
GRO	ND	1.0		mg/Kg	1	3/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Sample exceding holding time

Results are wet unless othewise specified

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *29-Jun-04*

CLIENT: Geocon Environmental
Project: WOODSIDE AVE, 9429-06-01
Lab Order: 068053

Lab ID: 068053-005
Client Sample ID: T2-4
Collection Date: 3/23/2004 10:00:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC8_040327B	QC Batch: 17565			PrepDate	3/26/2004	Analyst: **CBR**
Diesel	ND	10		mg/Kg	1	3/29/2004
Motor Oil	14	10		mg/Kg	1	3/29/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040327A	QC Batch: E04VS119			PrepDate		Analyst: **JV**
GRO	ND	1.0		mg/Kg	1	3/27/2004

Lab ID: 068053-006
Client Sample ID: T2-6
Collection Date: 3/23/2004 10:10:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC8_040327B	QC Batch: 17565			PrepDate	3/26/2004	Analyst: **CBR**
Diesel	ND	10		mg/Kg	1	3/29/2004
Motor Oil	ND	10		mg/Kg	1	3/29/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040327B	QC Batch: E04VS120			PrepDate		Analyst: **JV**
GRO	ND	1.0		mg/Kg	1	3/28/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Sample exceding holding time

Results are wet unless othewise specified

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *29-Jun-04*

CLIENT: Geocon Environmental
Project: WOODSIDE AVE, 9429-06-01
Lab Order: 068053

Lab ID: 068053-007
Client Sample ID: T3-2
Collection Date: 3/23/2004 10:25:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC8_040327B	QC Batch: 17565			PrepDate	3/26/2004	Analyst: CBR
Diesel	29	10		mg/Kg	1	3/29/2004
Motor Oil	75	10		mg/Kg	1	3/29/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040327B	QC Batch: E04VS120			PrepDate		Analyst: JV
GRO	ND	1.0		mg/Kg	1	3/28/2004

Lab ID: 068053-008
Client Sample ID: T3-4
Collection Date: 3/23/2004 10:40:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC8_040327B	QC Batch: 17565			PrepDate	3/26/2004	Analyst: CBR
Diesel	ND	10		mg/Kg	1	3/29/2004
Motor Oil	ND	10		mg/Kg	1	3/29/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040327B	QC Batch: E04VS120			PrepDate		Analyst: JV
GRO	ND	1.0		mg/Kg	1	3/28/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Sample exceding holding time

Results are wet unless othewise specified

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *29-Jun-04*

CLIENT: Geocon Environmental
Project: WOODSIDE AVE, 9429-06-01
Lab Order: 068053

Lab ID: 068053-009
Client Sample ID: T4-2
Collection Date: 3/23/2004 11:05:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC8_040327B	QC Batch: 17565			PrepDate	3/26/2004	Analyst: **CBR**
Diesel	96	10		mg/Kg	1	3/29/2004
Motor Oil	230	10		mg/Kg	1	3/29/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040327B	QC Batch: E04VS120			PrepDate		Analyst: **JV**
GRO	ND	1.0		mg/Kg	1	3/28/2004

Lab ID: 068053-010
Client Sample ID: T4-4
Collection Date: 3/23/2004 11:55:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC8_040327B	QC Batch: 17565			PrepDate	3/26/2004	Analyst: **CBR**
Diesel	100	10		mg/Kg	1	3/29/2004
Motor Oil	230	10		mg/Kg	1	3/29/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040327A	QC Batch: E04VS119			PrepDate		Analyst: **JV**
GRO	ND	1.0		mg/Kg	1	3/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Sample exceding holding time

Results are wet unless othewise specified

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *29-Jun-04*

CLIENT: Geocon Environmental
Project: WOODSIDE AVE, 9429-06-01
Lab Order: 068053

Lab ID: 068053-011
Collection Date: 3/23/2004 12:15:00 PM
Client Sample ID: T4-6
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC8_040327B	QC Batch: 17565			PrepDate: 3/26/2004		Analyst: CBR
Diesel	14	10		mg/Kg	1	3/29/2004
Motor Oil	17	10		mg/Kg	1	3/29/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040327B	QC Batch: E04VS120			PrepDate		Analyst: JV
GRO	ND	1.0		mg/Kg	1	3/28/2004

Lab ID: 068053-012
Collection Date: 3/23/2004 1:45:00 PM
Client Sample ID: T5-2
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC8_040327B	QC Batch: 17565			PrepDate: 3/26/2004		Analyst: CBR
Diesel	49	10		mg/Kg	1	3/29/2004
Motor Oil	170	10		mg/Kg	1	3/29/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040327B	QC Batch: E04VS120			PrepDate		Analyst: JV
GRO	ND	1.0		mg/Kg	1	3/28/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Sample exceding holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *29-Jun-04*

CLIENT: Geocon Environmental
Project: WOODSIDE AVE, 9429-06-01
Lab Order: 068053

Lab ID: 068053-013
Client Sample ID: T5-4
Collection Date: 3/23/2004 2:00:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC8_040327B	QC Batch: 17565			PrepDate 3/26/2004		Analyst: CBR
Diesel	14	10		mg/Kg	1	3/29/2004
Motor Oil	ND	10		mg/Kg	1	3/29/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040327B	QC Batch: E04VS120			PrepDate		Analyst: JV
GRO	ND	1.0		mg/Kg	1	3/28/2004

Lab ID: 068053-014
Client Sample ID: T6-2
Collection Date: 3/23/2004 2:25:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC8_040329A	QC Batch: 17607			PrepDate 3/29/2004		Analyst: CBR
Diesel	170	10		mg/Kg	1	3/30/2004
Motor Oil	400	10		mg/Kg	1	3/30/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040327B	QC Batch: E04VS121			PrepDate		Analyst: JV
GRO	ND	1.0		mg/Kg	1	3/29/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Sample exceding holding time

Results are wet unless othewise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Jun-04*

CLIENT: Geocon Environmental
Project: WOODSIDE AVE, 9429-06-01
Lab Order: 068053

Lab ID: 068053-015
Client Sample ID: T6-4
Collection Date: 3/23/2004 2:30:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC8_040329A	QC Batch: 17607			PrepDate	3/29/2004	Analyst: CBR
Diesel	ND	10		mg/Kg	1	3/29/2004
Motor Oil	ND	10		mg/Kg	1	3/29/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040327B	QC Batch: E04VS121			PrepDate		Analyst: JV
GRO	ND	1.0		mg/Kg	1	3/29/2004

Lab ID: 068053-016
Client Sample ID: T7-2
Collection Date: 3/23/2004 2:35:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC8_040329A	QC Batch: 17607			PrepDate	3/29/2004	Analyst: CBR
Diesel	ND	10		mg/Kg	1	3/29/2004
Motor Oil	ND	10		mg/Kg	1	3/29/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040327B	QC Batch: E04VS121			PrepDate		Analyst: JV
GRO	ND	1.0		mg/Kg	1	3/29/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Sample exceding holding time

Results are wet unless othewise specified

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *29-Jun-04*

CLIENT: Geocon Environmental
Project: WOODSIDE AVE, 9429-06-01
Lab Order: 068053

Lab ID: 068053-017
Client Sample ID: T7-4
Collection Date: 3/23/2004 2:40:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC8_040329A	QC Batch: 17607			PrepDate	3/29/2004	Analyst: CBR
Diesel	ND	10		mg/Kg	1	3/29/2004
Motor Oil	ND	10		mg/Kg	1	3/29/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040327B	QC Batch: E04VS121			PrepDate		Analyst: JV
GRO	ND	1.0		mg/Kg	1	3/29/2004

Lab ID: 068053-018
Client Sample ID: T8-2
Collection Date: 3/23/2004 3:00:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC8_040329A	QC Batch: 17607			PrepDate	3/29/2004	Analyst: CBR
Diesel	ND	10		mg/Kg	1	3/30/2004
Motor Oil	ND	10		mg/Kg	1	3/30/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040327B	QC Batch: E04VS121			PrepDate		Analyst: JV
GRO	ND	1.0		mg/Kg	1	3/29/2004

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Sample exceding holding time

Results are wet unless othewise specified

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *29-Jun-04*

CLIENT: Geocon Environmental
Project: WOODSIDE AVE, 9429-06-01
Lab Order: 068053

Lab ID: 068053-019
Client Sample ID: T8-4
Collection Date: 3/23/2004 3:04:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID (LUFT)				**EPA 8015B(M)**		
RunID: GC8_040329A	QC Batch: 17607			PrepDate	3/29/2004	Analyst: CBR
Diesel	ND	10		mg/Kg	1	3/29/2004
Motor Oil	ND	10		mg/Kg	1	3/29/2004
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC2_040327B	QC Batch: E04VS121			PrepDate		Analyst: JV
GRO	ND	1.0		mg/Kg	1	3/29/2004

Qualifiers:

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- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Sample exceding holding time

Results are wet unless othewise specified

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Advanced Technology Laboratories

Date: *29-Jun-04*

CLIENT: Geocon Environmental
Work Order: 068053
Project: WOODSIDE AVE, 9429-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM H

Sample ID	MB-17565	SampType:	MBLK	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	GC7_BACK_040325B
Client ID:	ZZZZZ	Batch ID:	17565	TestNo:	EPA 8015B(M	(LUFT)		Analysis Date:	3/26/2004	SeqNo:	541575

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	10									
Motor Oil	ND	10									

Sample ID	MB-17565	SampType:	MBLK	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	GC8_040327B
Client ID:	ZZZZZ	Batch ID:	17565	TestNo:	EPA 8015B(M	(LUFT)		Analysis Date:	3/29/2004	SeqNo:	542613

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	10									
Motor Oil	ND	10									

Sample ID	MB-17607	SampType:	MBLK	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	GC8_040329A
Client ID:	ZZZZZ	Batch ID:	17607	TestNo:	EPA 8015B(M	(LUFT)		Analysis Date:	3/29/2004	SeqNo:	543396

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	10									
Motor Oil	ND	10									

Sample ID	MB-17607	SampType:	MBLK	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	GC8_040329A
Client ID:	ZZZZZ	Batch ID:	17607	TestNo:	EPA 8015B(M	(LUFT)		Analysis Date:	3/30/2004	SeqNo:	543547

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	10									
Motor Oil	ND	10									

Sample ID	LCS-17565	SampType:	LCS	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	GC7_BACK_040325B
Client ID:	ZZZZZ	Batch ID:	17565	TestNo:	EPA 8015B(M	(LUFT)		Analysis Date:	3/26/2004	SeqNo:	541576

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068053
Project: WOODSIDE AVE, 9429-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM H

Sample ID	LCS-17565	SampType:	LCS	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	GC7_BACK_040325B
Client ID:	ZZZZZ	Batch ID:	17565	TestNo:	EPA 8015B(M (LUFT)			Analysis Date:	3/26/2004	SeqNo:	541576

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	982	10	1000	0	98.2	73	125	0	0		

Sample ID	LCS-17565	SampType:	LCS	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	GC8_040327B
Client ID:	ZZZZZ	Batch ID:	17565	TestNo:	EPA 8015B(M (LUFT)			Analysis Date:	3/29/2004	SeqNo:	542614

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1121	10	1000	0	112	73	125	0	0		

Sample ID	LCS-17607	SampType:	LCS	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	GC8_040329A
Client ID:	ZZZZZ	Batch ID:	17607	TestNo:	EPA 8015B(M (LUFT)			Analysis Date:	3/29/2004	SeqNo:	543397

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1022	10	1000	0	102	73	125	0	0		

Sample ID	LCS-17607	SampType:	LCS	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	GC8_040329A
Client ID:	ZZZZZ	Batch ID:	17607	TestNo:	EPA 8015B(M (LUFT)			Analysis Date:	3/30/2004	SeqNo:	543548

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	898	10	1000	0	89.8	73	125	0	0		

Sample ID	067985-017DMS	SampType:	MS	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	GC7_BACK_040325B
Client ID:	ZZZZZ	Batch ID:	17565	TestNo:	EPA 8015B(M (LUFT)			Analysis Date:	3/26/2004	SeqNo:	541577

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1567	10	1000	0	157	70	128	0	0		S

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 068053
Project: WOODSIDE AVE, 9429-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM H

Sample ID	068053-015AMS	SampType:	MS	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	GC8_040329A
Client ID:	T6-4	Batch ID:	17607	TestNo:	EPA 8015B(M (LUFT)			Analysis Date:	3/29/2004	SeqNo:	543398

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1006	10	1000	8.694	99.7	70	128	0	0		

Sample ID	067985-017DMSD	SampType:	MSD	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	GC7_BACK_040325B
Client ID:	ZZZZZ	Batch ID:	17565	TestNo:	EPA 8015B(M (LUFT)			Analysis Date:	3/26/2004	SeqNo:	541578

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1414	10	1000	0	141	70	128	1567	10.3	30	S

Sample ID	068053-015AMSD	SampType:	MSD	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	GC8_040329A
Client ID:	T6-4	Batch ID:	17607	TestNo:	EPA 8015B(M (LUFT)			Analysis Date:	3/29/2004	SeqNo:	543399

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1040	10	1000	8.694	103	70	128	1006	3.33	30	

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 068053
Project: WOODSIDE AVE, 9429-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID	E032704MB1	SampType: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	Run ID: GC2_040327A
Client ID:	ZZZZZ	Batch ID: E04VS119	TestNo: EPA 8015B(M		Analysis Date: 3/27/2004	SeqNo: 542457

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									

Sample ID	E032704MB2	SampType: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	Run ID: GC2_040327A
Client ID:	ZZZZZ	Batch ID: E04VS119	TestNo: EPA 8015B(M		Analysis Date: 3/27/2004	SeqNo: 542458

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0	0	0	0	0	0	0	0		

Sample ID	E032904MB1	SampType: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	Run ID: GC2_040329A
Client ID:	ZZZZZ	Batch ID: E04VS121	TestNo: EPA 8015B(M		Analysis Date: 3/29/2004	SeqNo: 543204

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									

Sample ID	E032904MB2	SampType: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	Run ID: GC2_040329A
Client ID:	ZZZZZ	Batch ID: E04VS121	TestNo: EPA 8015B(M		Analysis Date: 3/29/2004	SeqNo: 543205

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0	0	0	0	0	0	0	0		

Sample ID	E032704MB3	SampType: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	Run ID: GC2_040327B
Client ID:	ZZZZZ	Batch ID: E04VS120	TestNo: EPA 8015B(M		Analysis Date: 3/28/2004	SeqNo: 543258

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068053
Project: WOODSIDE AVE, 9429-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID	E032704MB1	SampType:	MBLK	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040327A	
Client ID:	ZZZZZ	Batch ID:	E04VS119	TestNo:	EPA 8015B(M			Analysis Date:	3/27/2004	SeqNo:	579346	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		ND	1.0									

Sample ID	E032704MB3	SampType:	MBLK	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040327B	
Client ID:	ZZZZZ	Batch ID:	E04VS120	TestNo:	EPA 8015B(M			Analysis Date:	3/28/2004	SeqNo:	579356	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		ND	1.0									

Sample ID	E032904MB1	SampType:	MBLK	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040327B	
Client ID:	ZZZZZ	Batch ID:	E04VS121	TestNo:	EPA 8015B(M			Analysis Date:	3/29/2004	SeqNo:	579373	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		ND	1.0									

Sample ID	E032704LCS1	SampType:	LCS	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040327A	
Client ID:	ZZZZZ	Batch ID:	E04VS119	TestNo:	EPA 8015B(M			Analysis Date:	3/27/2004	SeqNo:	542469	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		5.056	1.0	5	0	101	76	116	0	0		

Sample ID	E0329404LCS1	SampType:	LCS	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040329A	
Client ID:	ZZZZZ	Batch ID:	E04VS121	TestNo:	EPA 8015B(M			Analysis Date:	3/29/2004	SeqNo:	543212	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		5.13	1.0	5	0	103	76	116	0	0		

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068053
Project: WOODSIDE AVE, 9429-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID E032704LCS2	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:				Run ID: GC2_040327B	
Client ID: ZZZZZ	Batch ID: E04VS120	TestNo: EPA 8015B(M		Analysis Date: 3/28/2004				SeqNo: 543264	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.885	1.0	5	0	97.7	76	116	0	0		

Sample ID E032704LCS1	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:				Run ID: GC2_040327A	
Client ID: ZZZZZ	Batch ID: E04VS119	TestNo: EPA 8015B(M		Analysis Date: 3/27/2004				SeqNo: 579355	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	5.056	1.0	5	0	101	76	116	0	0		

Sample ID E032704LCS2	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:				Run ID: GC2_040327B	
Client ID: ZZZZZ	Batch ID: E04VS120	TestNo: EPA 8015B(M		Analysis Date: 3/28/2004				SeqNo: 579367	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.885	1.0	5	0	97.7	76	116	0	0		

Sample ID E0329404LCS1	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:				Run ID: GC2_040327B	
Client ID: ZZZZZ	Batch ID: E04VS121	TestNo: EPA 8015B(M		Analysis Date: 3/29/2004				SeqNo: 579383	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	5.13	1.0	5	0	103	76	116	0	0		

Sample ID 068053-010AMS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:				Run ID: GC2_040327A	
Client ID: T4-4	Batch ID: E04VS119	TestNo: EPA 8015B(M		Analysis Date: 3/27/2004				SeqNo: 542467	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.52	1.0	5	0.465	81.1	27	137	0	0		

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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068053
Project: WOODSIDE AVE, 9429-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID 068103-002AMS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	Run ID: GC2_040329A
Client ID: ZZZZZ	Batch ID: E04VS121	TestNo: EPA 8015B(M		Analysis Date: 3/29/2004	SeqNo: 543210

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.297	1.0	5	12.48	-164	27	137	0	0		S

Sample ID 068063-009AMS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	Run ID: GC2_040327B
Client ID: ZZZZZ	Batch ID: E04VS120	TestNo: EPA 8015B(M		Analysis Date: 3/28/2004	SeqNo: 543262

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	3.648	1.0	5	0.454	63.9	27	137	0	0		

Sample ID 068053-010AMS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	Run ID: GC2_040327A
Client ID: T4-4	Batch ID: E04VS119	TestNo: EPA 8015B(M		Analysis Date: 3/27/2004	SeqNo: 579353

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.52	1.0	5	0.465	81.1	27	137	0	0		

Sample ID 068063-009AMS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	Run ID: GC2_040327B
Client ID: ZZZZZ	Batch ID: E04VS120	TestNo: EPA 8015B(M		Analysis Date: 3/28/2004	SeqNo: 579365

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	3.648	1.0	5	0.454	63.9	27	137	0	0		

Sample ID 068103-002AMS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	Run ID: GC2_040327B
Client ID: ZZZZZ	Batch ID: E04VS121	TestNo: EPA 8015B(M		Analysis Date: 3/29/2004	SeqNo: 579381

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.297	1.0	5	12.48	-164	27	137	0	0		S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068053
Project: WOODSIDE AVE, 9429-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID	068053-010AMSD	SampType:	MSD	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040327A	
Client ID:	T4-4	Batch ID:	E04VS119	TestNo:	EPA 8015B(M			Analysis Date:	3/27/2004	SeqNo:	542468	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
GRO	4.871	1.0	5	0.465	88.1	27	137	4.52	7.48	25		

Sample ID	068103-002AMSD	SampType:	MSD	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040329A	
Client ID:	ZZZZZ	Batch ID:	E04VS121	TestNo:	EPA 8015B(M			Analysis Date:	3/29/2004	SeqNo:	543211	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
GRO	3.397	1.0	5	12.48	-182	27	137	4.297	23.4	25	S	

Sample ID	068063-009AMSD	SampType:	MSD	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040327B	
Client ID:	ZZZZZ	Batch ID:	E04VS120	TestNo:	EPA 8015B(M			Analysis Date:	3/28/2004	SeqNo:	543263	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
GRO	3.364	1.0	5	0.454	58.2	27	137	3.648	8.10	25		

Sample ID	068053-010AMSD	SampType:	MSD	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040327A	
Client ID:	T4-4	Batch ID:	E04VS119	TestNo:	EPA 8015B(M			Analysis Date:	3/27/2004	SeqNo:	579354	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
GRO	4.871	1.0	5	0.465	88.1	27	137	4.52	7.48	25		

Sample ID	068063-009AMSD	SampType:	MSD	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040327B	
Client ID:	ZZZZZ	Batch ID:	E04VS120	TestNo:	EPA 8015B(M			Analysis Date:	3/28/2004	SeqNo:	579366	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
GRO	3.364	1.0	5	0.454	58.2	27	137	3.648	8.10	25		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068053
Project: WOODSIDE AVE, 9429-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID	068103-002AMSD	SampType:	MSD	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040327B
Client ID:	ZZZZZ	Batch ID:	E04VS121	TestNo:	EPA 8015B(M			Analysis Date:	3/29/2004	SeqNo:	579382

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	3.397	1.0	5	12.48	-182	27	137	4.297	23.4	25	S

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Diane

From: Bing
Sent: Friday, June 25, 2004 9:03 AM
To: Diane
Subject: FW: Lab project No. 68053 and 68886

Please relog per e-mail below.

Thanks,
Bing

-----Original Message-----
From: Chad Bearor [mailto:bearor@geoconinc.com]
Sent: Friday, June 25, 2004 8:47 AM
To: Bing
Subject: Lab project No. 68053 and 68886

Can you please report TPH as gas diesel and motor oil for the previous lab id's.

Chad Bearor
Environmental Technician
Geocon Consultants, Inc.
Phone (858) 558-6100
Fax (858) 558-8437

May 17, 2004

Linda Kung
Geocon Environmental
6970 Flanders Drive
San Diego, CA 92121
TEL: (858) 558-6100
FAX: (858) 558-8437

RE: 11719 WOODSIDE AVE, 9429-06-02

Attention: Linda Kung

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068886

Enclosed are the results for sample(s) received on May 10, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

This cover letter and a case narrative are an integral part of this analytical report.

Advanced Technology Laboratories

Date: *17-May-04*

CLIENT: Geocon Environmental
Project: 11719 WOODSIDE AVE, 9429-06-02
Lab Order: 068886

CASE NARRATIVE

Samples for Asbestos were subcontracted to AmeriSci Los Angeles with DOHS Cert.# 2322.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	TN-1-8
Lab Order:	068886		
Project:	11719 WOODSIDE AVE, 9429-06-02	**Collection Date:**	5/7/2004 10:04:00 AM
Lab ID:	068886-004A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION (LUFT)				**EPA 8015B**		
RunID: GC7_BACK_040511A	QC Batch: 18195			PrepDate 5/11/2004		Analyst: **CBR**
T/R Hydrocarbons: >C32	47	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C10-C12	790	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C13-C15	1900	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C16-C22	2400	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C23-C32	180	10		mg/Kg	1	5/11/2004
HYDROCARBON CHAIN IDENTIFICATION				**EPA 8015B**		
RunID: GC2_040511A	QC Batch: E04VS171			PrepDate		Analyst: **JV**
T/R Hydrocarbons: C5-C12	470	50		mg/Kg	50	5/11/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- DO - Surrogate Diluted Out
- S - Spike/Surrogate outside of limits due to matrix interfere
- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	TW-1-6
Lab Order:	068886		
Project:	11719 WOODSIDE AVE, 9429-06-02	**Collection Date:**	5/7/2004 10:17:00 AM
Lab ID:	068886-006A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION (LUFT)				**EPA 8015B**		
RunID: GC8_040512A	QC Batch: 18213			PrepDate 5/12/2004		Analyst: CBR
T/R Hydrocarbons: >C32	36	10		mg/Kg	1	5/13/2004
T/R Hydrocarbons: C10-C12	460	10		mg/Kg	1	5/13/2004
T/R Hydrocarbons: C13-C15	1800	10		mg/Kg	1	5/13/2004
T/R Hydrocarbons: C16-C22	2700	10		mg/Kg	1	5/13/2004
T/R Hydrocarbons: C23-C32	76	10		mg/Kg	1	5/13/2004
HYDROCARBON CHAIN IDENTIFICATION				**EPA 8015B**		
RunID: GC2_040511A	QC Batch: E04VS171			PrepDate		Analyst: JV
T/R Hydrocarbons: C5-C12	37	1.0		mg/Kg	1	5/11/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue · Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	TS-1-7
Lab Order:	068886		
Project:	11719 WOODSIDE AVE, 9429-06-02	**Collection Date:**	5/7/2004 10:25:00 AM
Lab ID:	068886-008A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION (LUFT)				**EPA 8015B**		
RunID: GC7_BACK_040511A	QC Batch: 18195			PrepDate: 5/11/2004		Analyst: CBR
T/R Hydrocarbons: >C32	ND	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C10-C12	13	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C13-C15	94	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C16-C22	270	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C23-C32	14	10		mg/Kg	1	5/11/2004
HYDROCARBON CHAIN IDENTIFICATION				**EPA 8015B**		
RunID: GC2_040511A	QC Batch: E04VS171			PrepDate:		Analyst: JV
T/R Hydrocarbons: C5-C12	1.3	1.0		mg/Kg	1	5/11/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- DO - Surrogate Diluted Out
- S - Spike/Surrogate outside of limits due to matrix interfere
- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- Results are wet unless otherwise specified

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *17-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	T1-WATER
Lab Order:	068886	**Collection Date:**	5/7/2004 10:40:00 AM
Project:	11719 WOODSIDE AVE, 9429-06-02		
Lab ID:	068886-009	**Matrix:**	WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION						
(EPA 3510C)				**EPA 8015B**		
RunID: GC7_040512B	QC Batch: 18209			PrepDate	5/12/2004	Analyst: CBR
T/R Hydrocarbons: >C32	ND	0.20		mg/L	1	5/12/2004
T/R Hydrocarbons: C10-C12	ND	0.20		mg/L	1	5/12/2004
T/R Hydrocarbons: C13-C15	ND	0.20		mg/L	1	5/12/2004
T/R Hydrocarbons: C16-C22	1.3	0.20		mg/L	1	5/12/2004
T/R Hydrocarbons: C23-C32	2.2	0.20		mg/L	1	5/12/2004
HYDROCARBON CHAIN IDENTIFICATION						
				EPA 8015B		
RunID: GC6_040511A	QC Batch: I04VW090			PrepDate		Analyst: JPC
T/R Hydrocarbons: C5-C12	ND	0.20		mg/L	1	5/11/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quanititation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceding holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	EXC-1-3
Lab Order:	068886		
Project:	11719 WOODSIDE AVE, 9429-06-02	**Collection Date:**	5/7/2004 11:00:00 AM
Lab ID:	068886-010A	**Matrix:**	SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS3_040511A QC Batch: R04VS095 PrepDate Analyst: **CGM**

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,1-Dichloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,1-Dichloroethene	ND	5.0		µg/Kg	1	5/11/2004
1,1-Dichloropropene	ND	5.0		µg/Kg	1	5/11/2004
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	5/11/2004
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	5/11/2004
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	5/11/2004
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/11/2004
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,2-Dichloropropane	ND	5.0		µg/Kg	1	5/11/2004
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	5/11/2004
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
1,3-Dichloropropane	ND	5.0		µg/Kg	1	5/11/2004
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
2,2-Dichloropropane	ND	5.0		µg/Kg	1	5/11/2004
2-Chlorotoluene	ND	5.0		µg/Kg	1	5/11/2004
4-Chlorotoluene	ND	5.0		µg/Kg	1	5/11/2004
4-Isopropyltoluene	ND	5.0		µg/Kg	1	5/11/2004
Benzene	60	5.0		µg/Kg	1	5/11/2004
Bromobenzene	ND	5.0		µg/Kg	1	5/11/2004
Bromodichloromethane	ND	5.0		µg/Kg	1	5/11/2004
Bromoform	ND	5.0		µg/Kg	1	5/11/2004
Bromomethane	ND	5.0		µg/Kg	1	5/11/2004
Carbon tetrachloride	ND	5.0		µg/Kg	1	5/11/2004
Chlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
Chloroethane	ND	5.0		µg/Kg	1	5/11/2004
Chloroform	ND	5.0		µg/Kg	1	5/11/2004
Chloromethane	ND	5.0		µg/Kg	1	5/11/2004
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	5/11/2004
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	5/11/2004
Dibromochloromethane	ND	5.0		µg/Kg	1	5/11/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	EXC-1-3
Lab Order:	068886		
Project:	11719 WOODSIDE AVE, 9429-06-02	**Collection Date:**	5/7/2004 11:00:00 AM
Lab ID:	068886-010A	**Matrix:**	SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS3_040511A QC Batch: R04VS095 PrepDate Analyst: **CGM**

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
Dibromomethane	ND	5.0		µg/Kg	1	5/11/2004
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	5/11/2004
Ethylbenzene	ND	5.0		µg/Kg	1	5/11/2004
Hexachlorobutadiene	ND	5.0		µg/Kg	1	5/11/2004
Isopropylbenzene	ND	5.0		µg/Kg	1	5/11/2004
m,p-Xylene	38	5.0		µg/Kg	1	5/11/2004
Methylene chloride	ND	5.0		µg/Kg	1	5/11/2004
n-Butylbenzene	ND	5.0		µg/Kg	1	5/11/2004
n-Propylbenzene	ND	5.0		µg/Kg	1	5/11/2004
Naphthalene	ND	5.0		µg/Kg	1	5/11/2004
o-Xylene	22	5.0		µg/Kg	1	5/11/2004
sec-Butylbenzene	ND	5.0		µg/Kg	1	5/11/2004
Styrene	ND	5.0		µg/Kg	1	5/11/2004
tert-Butylbenzene	ND	5.0		µg/Kg	1	5/11/2004
Tetrachloroethene	ND	5.0		µg/Kg	1	5/11/2004
Toluene	38	5.0		µg/Kg	1	5/11/2004
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	5/11/2004
Trichloroethene	ND	5.0		µg/Kg	1	5/11/2004
Trichlorofluoromethane	ND	5.0		µg/Kg	1	5/11/2004
Vinyl chloride	ND	5.0		µg/Kg	1	5/11/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *17-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	EXC-1-3
Lab Order:	068886		
Project:	11719 WOODSIDE AVE, 9429-06-02	**Collection Date:**	5/7/2004 11:00:00 AM
Lab ID:	068886-010A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION (LUFT)				**EPA 8015B**		
RunID: GC7_BACK_040511A	QC Batch: 18195			PrepDate 5/11/2004		Analyst: CBR
T/R Hydrocarbons: >C32	ND	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C10-C12	11	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C13-C15	ND	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C16-C22	12	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C23-C32	13	10		mg/Kg	1	5/11/2004
HYDROCARBON CHAIN IDENTIFICATION				**EPA 8015B**		
RunID: GC2_040512A	QC Batch: E04VS172			PrepDate		Analyst: JV
T/R Hydrocarbons: C5-C12	ND	1.0		mg/Kg	1	5/12/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- DO - Surrogate Diluted Out
- S - Spike/Surrogate outside of limits due to matrix interfere
- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- Results are wet unless otherwise specified

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *17-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	EXC-1-4
Lab Order:	068886		
Project:	11719 WOODSIDE AVE, 9429-06-02	**Collection Date:**	5/7/2004 11:10:00 AM
Lab ID:	068886-011A	**Matrix:**	SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS3_040514A QC Batch: R04VS099 PrepDate Analyst: CGM

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	25		µg/Kg	5	5/14/2004
1,1,1-Trichloroethane	ND	25		µg/Kg	5	5/14/2004
1,1,2,2-Tetrachloroethane	ND	25		µg/Kg	5	5/14/2004
1,1,2-Trichloroethane	ND	25		µg/Kg	5	5/14/2004
1,1-Dichloroethane	ND	25		µg/Kg	5	5/14/2004
1,1-Dichloroethene	ND	25		µg/Kg	5	5/14/2004
1,1-Dichloropropene	ND	25		µg/Kg	5	5/14/2004
1,2,3-Trichlorobenzene	ND	25		µg/Kg	5	5/14/2004
1,2,3-Trichloropropane	ND	25		µg/Kg	5	5/14/2004
1,2,4-Trichlorobenzene	ND	25		µg/Kg	5	5/14/2004
1,2,4-Trimethylbenzene	120	25		µg/Kg	5	5/14/2004
1,2-Dibromo-3-chloropropane	ND	50		µg/Kg	5	5/14/2004
1,2-Dibromoethane	ND	25		µg/Kg	5	5/14/2004
1,2-Dichlorobenzene	ND	25		µg/Kg	5	5/14/2004
1,2-Dichloroethane	ND	25		µg/Kg	5	5/14/2004
1,2-Dichloropropane	ND	25		µg/Kg	5	5/14/2004
1,3,5-Trimethylbenzene	ND	25		µg/Kg	5	5/14/2004
1,3-Dichlorobenzene	ND	25		µg/Kg	5	5/14/2004
1,3-Dichloropropane	ND	25		µg/Kg	5	5/14/2004
1,4-Dichlorobenzene	ND	25		µg/Kg	5	5/14/2004
2,2-Dichloropropane	ND	25		µg/Kg	5	5/14/2004
2-Chlorotoluene	ND	25		µg/Kg	5	5/14/2004
4-Chlorotoluene	ND	25		µg/Kg	5	5/14/2004
4-Isopropyltoluene	ND	25		µg/Kg	5	5/14/2004
Benzene	ND	25		µg/Kg	5	5/14/2004
Bromobenzene	ND	25		µg/Kg	5	5/14/2004
Bromodichloromethane	ND	25		µg/Kg	5	5/14/2004
Bromoform	ND	25		µg/Kg	5	5/14/2004
Bromomethane	ND	25		µg/Kg	5	5/14/2004
Carbon tetrachloride	ND	25		µg/Kg	5	5/14/2004
Chlorobenzene	ND	25		µg/Kg	5	5/14/2004
Chloroethane	ND	25		µg/Kg	5	5/14/2004
Chloroform	ND	25		µg/Kg	5	5/14/2004
Chloromethane	ND	25		µg/Kg	5	5/14/2004
cis-1,2-Dichloroethene	ND	25		µg/Kg	5	5/14/2004
cis-1,3-Dichloropropene	ND	25		µg/Kg	5	5/14/2004
Dibromochloromethane	ND	25		µg/Kg	5	5/14/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 · Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	EXC-1-4
Lab Order:	068886		
Project:	11719 WOODSIDE AVE, 9429-06-02	**Collection Date:**	5/7/2004 11:10:00 AM
Lab ID:	068886-011A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**EPA 8260B**		
RunID: MS3_040514A	QC Batch: R04VS099			PrepDate		Analyst: **CGM**
Dibromomethane	ND	25		µg/Kg	5	5/14/2004
Dichlorodifluoromethane	ND	25		µg/Kg	5	5/14/2004
Ethylbenzene	25	25		µg/Kg	5	5/14/2004
Hexachlorobutadiene	ND	25		µg/Kg	5	5/14/2004
Isopropylbenzene	ND	25		µg/Kg	5	5/14/2004
m,p-Xylene	290	25		µg/Kg	5	5/14/2004
Methylene chloride	ND	25		µg/Kg	5	5/14/2004
n-Butylbenzene	ND	25		µg/Kg	5	5/14/2004
n-Propylbenzene	ND	25		µg/Kg	5	5/14/2004
Naphthalene	64	25		µg/Kg	5	5/14/2004
o-Xylene	220	25		µg/Kg	5	5/14/2004
sec-Butylbenzene	ND	25		µg/Kg	5	5/14/2004
Styrene	ND	25		µg/Kg	5	5/14/2004
tert-Butylbenzene	ND	25		µg/Kg	5	5/14/2004
Tetrachloroethene	ND	25		µg/Kg	5	5/14/2004
Toluene	160	25		µg/Kg	5	5/14/2004
trans-1,2-Dichloroethene	ND	25		µg/Kg	5	5/14/2004
Trichloroethene	ND	25		µg/Kg	5	5/14/2004
Trichlorofluoromethane	ND	25		µg/Kg	5	5/14/2004
Vinyl chloride	ND	25		µg/Kg	5	5/14/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *17-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	EXC-1-4
Lab Order:	068886		
Project:	11719 WOODSIDE AVE, 9429-06-02	**Collection Date:**	5/7/2004 11:10:00 AM
Lab ID:	068886-011B	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	(EPA 3550B)			**EPA 8081A**		
RunID: GC10_040510A	QC Batch: 18194			PrepDate	5/11/2004	Analyst: EES
4,4'-DDD	ND	2.0		µg/Kg	1	5/11/2004
4,4'-DDE	ND	2.0		µg/Kg	1	5/11/2004
4,4'-DDT	ND	2.0		µg/Kg	1	5/11/2004
Aldrin	ND	1.0		µg/Kg	1	5/11/2004
alpha-BHC	ND	1.0		µg/Kg	1	5/11/2004
alpha-Chlordane	ND	1.0		µg/Kg	1	5/11/2004
beta-BHC	ND	1.0		µg/Kg	1	5/11/2004
Chlordane	ND	8.5		µg/Kg	1	5/11/2004
delta-BHC	ND	1.0		µg/Kg	1	5/11/2004
Dieldrin	ND	2.0		µg/Kg	1	5/11/2004
Endosulfan I	ND	1.0		µg/Kg	1	5/11/2004
Endosulfan II	ND	2.0		µg/Kg	1	5/11/2004
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/11/2004
Endrin	ND	2.0		µg/Kg	1	5/11/2004
Endrin aldehyde	ND	2.0		µg/Kg	1	5/11/2004
Endrin ketone	ND	2.0		µg/Kg	1	5/11/2004
gamma-BHC	ND	1.0		µg/Kg	1	5/11/2004
gamma-Chlordane	ND	1.0		µg/Kg	1	5/11/2004
Heptachlor	ND	1.0		µg/Kg	1	5/11/2004
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/11/2004
Methoxychlor	ND	8.5		µg/Kg	1	5/11/2004
Toxaphene	ND	85		µg/Kg	1	5/11/2004
PCB BY GC/ECD						
	(EPA 3550B)			**EPA 8082**		
RunID: GC10_040510A	QC Batch: 18194			PrepDate	5/11/2004	Analyst: EES
Aroclor 1016	ND	16		µg/Kg	1	5/11/2004
Aroclor 1221	ND	33		µg/Kg	1	5/11/2004
Aroclor 1232	ND	16		µg/Kg	1	5/11/2004
Aroclor 1242	ND	16		µg/Kg	1	5/11/2004
Aroclor 1248	ND	16		µg/Kg	1	5/11/2004
Aroclor 1254	ND	16		µg/Kg	1	5/11/2004
Aroclor 1260	ND	16		µg/Kg	1	5/11/2004
Aroclor 1262	ND	16		µg/Kg	1	5/11/2004
Aroclor 1268	ND	16		µg/Kg	1	5/11/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *17-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	EXC-1-4
Lab Order:	068886		
Project:	11719 WOODSIDE AVE, 9429-06-02	**Collection Date:**	5/7/2004 11:10:00 AM
Lab ID:	068886-011B	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040513A	QC Batch: 18199			PrepDate	5/11/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	5/13/2004
Arsenic	ND	1.0		mg/Kg	1	5/13/2004
Barium	92	1.0		mg/Kg	1	5/13/2004
Beryllium	ND	1.0		mg/Kg	1	5/13/2004
Cadmium	ND	1.0		mg/Kg	1	5/13/2004
Chromium	17	1.0		mg/Kg	1	5/13/2004
Cobalt	11	1.0		mg/Kg	1	5/13/2004
Copper	22	1.0		mg/Kg	1	5/13/2004
Lead	5.3	1.0		mg/Kg	1	5/13/2004
Molybdenum	ND	1.0		mg/Kg	1	5/13/2004
Nickel	6.4	1.0		mg/Kg	1	5/13/2004
Selenium	ND	1.0		mg/Kg	1	5/13/2004
Silver	ND	1.0		mg/Kg	1	5/13/2004
Thallium	ND	1.0		mg/Kg	1	5/13/2004
Vanadium	51	1.0		mg/Kg	1	5/13/2004
Zinc	51	1.0		mg/Kg	1	5/13/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040512A	QC Batch: 18188			PrepDate	5/11/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	5/12/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *17-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	EXC-1-4
Lab Order:	068886	**Collection Date:**	5/7/2004 11:10:00 AM
Project:	11719 WOODSIDE AVE, 9429-06-02		
Lab ID:	068886-011	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION (LUFT)				**EPA 8015B**		
RunID: GC7_BACK_040511A	QC Batch: 18195			PrepDate 5/11/2004		Analyst: CBR
T/R Hydrocarbons: >C32	19	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C10-C12	23	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C13-C15	20	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C16-C22	44	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C23-C32	79	10		mg/Kg	1	5/11/2004
HYDROCARBON CHAIN IDENTIFICATION				**EPA 8015B**		
RunID: GC2_040511A	QC Batch: E04VS171			PrepDate		Analyst: JV
T/R Hydrocarbons: C5-C12	33	1.0		mg/Kg	1	5/11/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quanititation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *17-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	EXC-2-5
Lab Order:	068886		
Project:	11719 WOODSIDE AVE, 9429-06-02	**Collection Date:**	5/7/2004 11:30:00 AM
Lab ID:	068886-012A	**Matrix:**	SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS3_040511A QC Batch: R04VS095 PrepDate Analyst: **CGM**

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,1-Dichloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,1-Dichloroethene	ND	5.0		µg/Kg	1	5/11/2004
1,1-Dichloropropene	ND	5.0		µg/Kg	1	5/11/2004
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	5/11/2004
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	5/11/2004
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	5/11/2004
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/11/2004
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,2-Dichloropropane	ND	5.0		µg/Kg	1	5/11/2004
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	5/11/2004
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
1,3-Dichloropropane	ND	5.0		µg/Kg	1	5/11/2004
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
2,2-Dichloropropane	ND	5.0		µg/Kg	1	5/11/2004
2-Chlorotoluene	ND	5.0		µg/Kg	1	5/11/2004
4-Chlorotoluene	ND	5.0		µg/Kg	1	5/11/2004
4-Isopropyltoluene	ND	5.0		µg/Kg	1	5/11/2004
Benzene	ND	5.0		µg/Kg	1	5/11/2004
Bromobenzene	ND	5.0		µg/Kg	1	5/11/2004
Bromodichloromethane	ND	5.0		µg/Kg	1	5/11/2004
Bromoform	ND	5.0		µg/Kg	1	5/11/2004
Bromomethane	ND	5.0		µg/Kg	1	5/11/2004
Carbon tetrachloride	ND	5.0		µg/Kg	1	5/11/2004
Chlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
Chloroethane	ND	5.0		µg/Kg	1	5/11/2004
Chloroform	ND	5.0		µg/Kg	1	5/11/2004
Chloromethane	ND	5.0		µg/Kg	1	5/11/2004
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	5/11/2004
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	5/11/2004
Dibromochloromethane	ND	5.0		µg/Kg	1	5/11/2004

Qualifiers:

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Advanced Technology Laboratories
3275 Walnut Avenue . Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	EXC-2-5
Lab Order:	068886		
Project:	11719 WOODSIDE AVE, 9429-06-02	**Collection Date:**	5/7/2004 11:30:00 AM
Lab ID:	068886-012A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
		EPA 8260B				
RunID: MS3_040511A	QC Batch: R04VS095			PrepDate		Analyst: **CGM**
Dibromomethane	ND	5.0		µg/Kg	1	5/11/2004
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	5/11/2004
Ethylbenzene	ND	5.0		µg/Kg	1	5/11/2004
Hexachlorobutadiene	ND	5.0		µg/Kg	1	5/11/2004
Isopropylbenzene	ND	5.0		µg/Kg	1	5/11/2004
m,p-Xylene	ND	5.0		µg/Kg	1	5/11/2004
Methylene chloride	ND	5.0		µg/Kg	1	5/11/2004
n-Butylbenzene	ND	5.0		µg/Kg	1	5/11/2004
n-Propylbenzene	ND	5.0		µg/Kg	1	5/11/2004
Naphthalene	ND	5.0		µg/Kg	1	5/11/2004
o-Xylene	ND	5.0		µg/Kg	1	5/11/2004
sec-Butylbenzene	ND	5.0		µg/Kg	1	5/11/2004
Styrene	ND	5.0		µg/Kg	1	5/11/2004
tert-Butylbenzene	ND	5.0		µg/Kg	1	5/11/2004
Tetrachloroethene	ND	5.0		µg/Kg	1	5/11/2004
Toluene	ND	5.0		µg/Kg	1	5/11/2004
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	5/11/2004
Trichloroethene	ND	5.0		µg/Kg	1	5/11/2004
Trichlorofluoromethane	ND	5.0		µg/Kg	1	5/11/2004
Vinyl chloride	ND	5.0		µg/Kg	1	5/11/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- DO - Surrogate Diluted Out
- S - Spike/Surrogate outside of limits due to matrix interfere
- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *17-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	EXC-2-5
Lab Order:	068886		
Project:	11719 WOODSIDE AVE, 9429-06-02	**Collection Date:**	5/7/2004 11:30:00 AM
Lab ID:	068886-012A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION (LUFT)				**EPA 8015B**		
RunID: GC7_BACK_040511A	QC Batch: 18195			PrepDate: 5/11/2004		Analyst: **CBR**
T/R Hydrocarbons: >C32	ND	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C10-C12	ND	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C13-C15	ND	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C16-C22	ND	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C23-C32	ND	10		mg/Kg	1	5/11/2004
HYDROCARBON CHAIN IDENTIFICATION				**EPA 8015B**		
RunID: GC2_040511A	QC Batch: E04VS171			PrepDate:		Analyst: **JV**
T/R Hydrocarbons: C5-C12	ND	1.0		mg/Kg	1	5/11/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- DO - Surrogate Diluted Out
- S - Spike/Surrogate outside of limits due to matrix interfere
- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- Results are wet unless otherwise specified

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Date: *17-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	EXC-3-5
Lab Order:	068886		
Project:	11719 WOODSIDE AVE, 9429-06-02	**Collection Date:**	5/7/2004 12:08:00 PM
Lab ID:	068886-013A	**Matrix:**	SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS3_040511A | QC Batch: R04VS095 | PrepDate | Analyst: **CGM**

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,1-Dichloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,1-Dichloroethene	ND	5.0		µg/Kg	1	5/11/2004
1,1-Dichloropropene	ND	5.0		µg/Kg	1	5/11/2004
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	5/11/2004
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	5/11/2004
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	5/11/2004
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/11/2004
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,2-Dichloropropane	ND	5.0		µg/Kg	1	5/11/2004
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	5/11/2004
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
1,3-Dichloropropane	ND	5.0		µg/Kg	1	5/11/2004
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
2,2-Dichloropropane	ND	5.0		µg/Kg	1	5/11/2004
2-Chlorotoluene	ND	5.0		µg/Kg	1	5/11/2004
4-Chlorotoluene	ND	5.0		µg/Kg	1	5/11/2004
4-Isopropyltoluene	ND	5.0		µg/Kg	1	5/11/2004
Benzene	ND	5.0		µg/Kg	1	5/11/2004
Bromobenzene	ND	5.0		µg/Kg	1	5/11/2004
Bromodichloromethane	ND	5.0		µg/Kg	1	5/11/2004
Bromoform	ND	5.0		µg/Kg	1	5/11/2004
Bromomethane	ND	5.0		µg/Kg	1	5/11/2004
Carbon tetrachloride	ND	5.0		µg/Kg	1	5/11/2004
Chlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
Chloroethane	ND	5.0		µg/Kg	1	5/11/2004
Chloroform	ND	5.0		µg/Kg	1	5/11/2004
Chloromethane	ND	5.0		µg/Kg	1	5/11/2004
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	5/11/2004
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	5/11/2004
Dibromochloromethane	ND	5.0		µg/Kg	1	5/11/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
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Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	EXC-3-5
Lab Order:	068886		
Project:	11719 WOODSIDE AVE, 9429-06-02	**Collection Date:**	5/7/2004 12:08:00 PM
Lab ID:	068886-013A	**Matrix:**	SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS3_040511A QC Batch: R04VS095 PrepDate Analyst: **CGM**

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
Dibromomethane	ND	5.0		µg/Kg	1	5/11/2004
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	5/11/2004
Ethylbenzene	ND	5.0		µg/Kg	1	5/11/2004
Hexachlorobutadiene	ND	5.0		µg/Kg	1	5/11/2004
Isopropylbenzene	ND	5.0		µg/Kg	1	5/11/2004
m,p-Xylene	ND	5.0		µg/Kg	1	5/11/2004
Methylene chloride	ND	5.0		µg/Kg	1	5/11/2004
n-Butylbenzene	ND	5.0		µg/Kg	1	5/11/2004
n-Propylbenzene	ND	5.0		µg/Kg	1	5/11/2004
Naphthalene	ND	5.0		µg/Kg	1	5/11/2004
o-Xylene	ND	5.0		µg/Kg	1	5/11/2004
sec-Butylbenzene	ND	5.0		µg/Kg	1	5/11/2004
Styrene	ND	5.0		µg/Kg	1	5/11/2004
tert-Butylbenzene	ND	5.0		µg/Kg	1	5/11/2004
Tetrachloroethene	ND	5.0		µg/Kg	1	5/11/2004
Toluene	ND	5.0		µg/Kg	1	5/11/2004
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	5/11/2004
Trichloroethene	ND	5.0		µg/Kg	1	5/11/2004
Trichlorofluoromethane	ND	5.0		µg/Kg	1	5/11/2004
Vinyl chloride	ND	5.0		µg/Kg	1	5/11/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
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- E - Value above quantitation range
- Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *17-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	EXC-3-5
Lab Order:	068886		
Project:	11719 WOODSIDE AVE, 9429-06-02	**Collection Date:**	5/7/2004 12:08:00 PM
Lab ID:	068886-013A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION (LUFT)				**EPA 8015B**		
RunID: GC7_BACK_040511A	QC Batch: 18195			PrepDate 5/11/2004		Analyst: CBR
T/R Hydrocarbons: >C32	ND	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C10-C12	ND	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C13-C15	ND	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C16-C22	ND	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C23-C32	ND	10		mg/Kg	1	5/11/2004
HYDROCARBON CHAIN IDENTIFICATION				**EPA 8015B**		
RunID: GC2_040511A	QC Batch: E04VS171			PrepDate		Analyst: JV
T/R Hydrocarbons: C5-C12	ND	1.0		mg/Kg	1	5/11/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
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- S - Spike/Surrogate outside of limits due to matrix interfere
- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- Results are wet unless otherwise specified

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *17-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	EXC-4-5
Lab Order:	068886		
Project:	11719 WOODSIDE AVE, 9429-06-02	**Collection Date:**	5/7/2004 12:30:00 PM
Lab ID:	068886-014A	**Matrix:**	SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS3_040511A QC Batch: R04VS095 PrepDate Analyst: **CGM**

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,1-Dichloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,1-Dichloroethene	ND	5.0		µg/Kg	1	5/11/2004
1,1-Dichloropropene	ND	5.0		µg/Kg	1	5/11/2004
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	5/11/2004
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	5/11/2004
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	5/11/2004
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/11/2004
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/11/2004
1,2-Dichloropropane	ND	5.0		µg/Kg	1	5/11/2004
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	5/11/2004
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
1,3-Dichloropropane	ND	5.0		µg/Kg	1	5/11/2004
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
2,2-Dichloropropane	ND	5.0		µg/Kg	1	5/11/2004
2-Chlorotoluene	ND	5.0		µg/Kg	1	5/11/2004
4-Chlorotoluene	ND	5.0		µg/Kg	1	5/11/2004
4-Isopropyltoluene	ND	5.0		µg/Kg	1	5/11/2004
Benzene	ND	5.0		µg/Kg	1	5/11/2004
Bromobenzene	ND	5.0		µg/Kg	1	5/11/2004
Bromodichloromethane	ND	5.0		µg/Kg	1	5/11/2004
Bromoform	ND	5.0		µg/Kg	1	5/11/2004
Bromomethane	ND	5.0		µg/Kg	1	5/11/2004
Carbon tetrachloride	ND	5.0		µg/Kg	1	5/11/2004
Chlorobenzene	ND	5.0		µg/Kg	1	5/11/2004
Chloroethane	ND	5.0		µg/Kg	1	5/11/2004
Chloroform	ND	5.0		µg/Kg	1	5/11/2004
Chloromethane	ND	5.0		µg/Kg	1	5/11/2004
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	5/11/2004
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	5/11/2004
Dibromochloromethane	ND	5.0		µg/Kg	1	5/11/2004

Qualifiers:

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Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *17-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	EXC-4-5
Lab Order:	068886		
Project:	11719 WOODSIDE AVE, 9429-06-02	**Collection Date:**	5/7/2004 12:30:00 PM
Lab ID:	068886-014A	**Matrix:**	SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS3_040511A QC Batch: R04VS095 PrepDate Analyst: **CGM**

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
Dibromomethane	ND	5.0		µg/Kg	1	5/11/2004
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	5/11/2004
Ethylbenzene	ND	5.0		µg/Kg	1	5/11/2004
Hexachlorobutadiene	ND	5.0		µg/Kg	1	5/11/2004
Isopropylbenzene	ND	5.0		µg/Kg	1	5/11/2004
m,p-Xylene	ND	5.0		µg/Kg	1	5/11/2004
Methylene chloride	ND	5.0		µg/Kg	1	5/11/2004
n-Butylbenzene	ND	5.0		µg/Kg	1	5/11/2004
n-Propylbenzene	ND	5.0		µg/Kg	1	5/11/2004
Naphthalene	ND	5.0		µg/Kg	1	5/11/2004
o-Xylene	ND	5.0		µg/Kg	1	5/11/2004
sec-Butylbenzene	ND	5.0		µg/Kg	1	5/11/2004
Styrene	ND	5.0		µg/Kg	1	5/11/2004
tert-Butylbenzene	ND	5.0		µg/Kg	1	5/11/2004
Tetrachloroethene	ND	5.0		µg/Kg	1	5/11/2004
Toluene	ND	5.0		µg/Kg	1	5/11/2004
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	5/11/2004
Trichloroethene	ND	5.0		µg/Kg	1	5/11/2004
Trichlorofluoromethane	ND	5.0		µg/Kg	1	5/11/2004
Vinyl chloride	ND	5.0		µg/Kg	1	5/11/2004

Qualifiers:

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Advanced Technology Laboratories

Date: *17-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	EXC-4-5
Lab Order:	068886		
Project:	11719 WOODSIDE AVE, 9429-06-02	**Collection Date:**	5/7/2004 12:30:00 PM
Lab ID:	068886-014A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION (LUFT)				**EPA 8015B**		
RunID: GC7_BACK_040511A	QC Batch: 18195			PrepDate	5/11/2004	Analyst: **CBR**
T/R Hydrocarbons: >C32	ND	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C10-C12	ND	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C13-C15	ND	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C16-C22	ND	10		mg/Kg	1	5/11/2004
T/R Hydrocarbons: C23-C32	ND	10		mg/Kg	1	5/11/2004
HYDROCARBON CHAIN IDENTIFICATION				**EPA 8015B**		
RunID: GC2_040511A	QC Batch: E04VS171			PrepDate		Analyst: **JV**
T/R Hydrocarbons: C5-C12	ND	1.0		mg/Kg	1	5/11/2004

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Advanced Technology Laboratories

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Date: *17-May-04*

CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: 18188

Sample ID **MB-18188**	SampType: **MBLK**	TestCode: **7471_S**	Units: **mg/Kg**	Prep Date: **5/11/2004**	Run ID: **AA1_040512A**
Client ID: **ZZZZZ**	Batch ID: **18188**	TestNo: **EPA 7471A**	**(EPA 7471)**	Analysis Date: **5/12/2004**	SeqNo: **563429**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID **LCS-18188**	SampType: **LCS**	TestCode: **7471_S**	Units: **mg/Kg**	Prep Date: **5/11/2004**	Run ID: **AA1_040512A**
Client ID: **ZZZZZ**	Batch ID: **18188**	TestNo: **EPA 7471A**	**(EPA 7471)**	Analysis Date: **5/12/2004**	SeqNo: **563428**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.009	0.10	2.08	0	96.6	80	120	0	0		

Sample ID **068896-016AMS**	SampType: **MS**	TestCode: **7471_S**	Units: **mg/Kg**	Prep Date: **5/11/2004**	Run ID: **AA1_040512A**
Client ID: **ZZZZZ**	Batch ID: **18188**	TestNo: **EPA 7471A**	**(EPA 7471)**	Analysis Date: **5/12/2004**	SeqNo: **563426**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.8635	0.10	0.83	0.03362	100	62	146	0	0		

Sample ID **068896-016AMSD**	SampType: **MSD**	TestCode: **7471_S**	Units: **mg/Kg**	Prep Date: **5/11/2004**	Run ID: **AA1_040512A**
Client ID: **ZZZZZ**	Batch ID: **18188**	TestNo: **EPA 7471A**	**(EPA 7471)**	Analysis Date: **5/12/2004**	SeqNo: **563427**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.8565	0.10	0.83	0.03362	99.1	62	146	0.8635	0.806	30	

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Calculations are based on raw values
DO - Surrogate diluted out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: 18194

Sample ID	MB-18194	SampType:	MBLK	TestCode:	8081_S	Units:	µg/Kg	Prep Date:	5/11/2004	Run ID:	GC10_040510A
Client ID:	ZZZZZ	Batch ID:	18194	TestNo:	EPA 8081A	(EPA 3550B)		Analysis Date:	5/11/2004	SeqNo:	563956

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4'-DDD	ND	4.0									
2,4'-DDE	ND	4.0									
2,4'-DDT	ND	4.0									
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
Chlorothalonil	ND	2.0									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									

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Calculations are based on raw values
DO - Surrogate diluted out
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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: 18194

Sample ID LCS-18194	SampType: LCS	TestCode: 8081_S	Units: µg/Kg	Prep Date: 5/11/2004	Run ID: GC10_040510A
Client ID: ZZZZZ	Batch ID: 18194	TestNo: EPA 8081A	(EPA 3550B)	Analysis Date: 5/11/2004	SeqNo: 563957

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	19.26	2.0	16.65	0	116	58	134	0	0		
Aldrin	18.78	1.0	16.65	0	113	75	129	0	0		
Dieldrin	17.63	2.0	16.65	0	106	75	124	0	0		
Endrin	16.45	2.0	16.65	0	98.8	72	141	0	0		
gamma-BHC	18.92	1.0	16.65	0	114	78	130	0	0		
Heptachlor	19.98	1.0	16.65	0	120	65	139	0	0		

Sample ID MB-18194MS	SampType: MS	TestCode: 8081_S	Units: µg/Kg	Prep Date: 5/11/2004	Run ID: GC10_040510A
Client ID: ZZZZZ	Batch ID: 18194	TestNo: EPA 8081A	(EPA 3550B)	Analysis Date: 5/11/2004	SeqNo: 563958

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	18.81	2.0	16.65	0	113	23	162	0	0		
Aldrin	18.83	1.0	16.65	0	113	68	127	0	0		
Dieldrin	17.71	2.0	16.65	0	106	66	129	0	0		
Endrin	16.46	2.0	16.65	0	98.9	72	137	0	0		
gamma-BHC	18.96	1.0	16.65	0	114	67	130	0	0		
Heptachlor	19.69	1.0	16.65	0	118	61	134	0	0		

Sample ID MB-18194MSD	SampType: MSD	TestCode: 8081_S	Units: µg/Kg	Prep Date: 5/11/2004	Run ID: GC10_040510A
Client ID: ZZZZZ	Batch ID: 18194	TestNo: EPA 8081A	(EPA 3550B)	Analysis Date: 5/11/2004	SeqNo: 563959

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	19.21	2.0	16.65	0	115	23	162	18.81	2.07	30	
Aldrin	19.12	1.0	16.65	0	115	68	127	18.83	1.52	30	
Dieldrin	18.06	2.0	16.65	0	108	66	129	17.71	1.98	30	
Endrin	17.25	2.0	16.65	0	104	72	137	16.46	4.68	30	
gamma-BHC	19.15	1.0	16.65	0	115	67	130	18.96	0.980	30	
Heptachlor	20.14	1.0	16.65	0	121	61	134	19.69	2.27	30	

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Calculations are based on raw values
DO - Surrogate diluted out
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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: 18194

Sample ID MB-18194	SampType: MBLK	TestCode: 8082_S	Units: µg/Kg	Prep Date: 5/11/2004	Run ID: GC10_040510A
Client ID: ZZZZZ	Batch ID: 18194	TestNo: EPA 8082	(EPA 3550B)	Analysis Date: 5/11/2004	SeqNo: 562961

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									

Sample ID LCSA-18194	SampType: LCS	TestCode: 8082_S	Units: µg/Kg	Prep Date: 5/11/2004	Run ID: GC10_040510A
Client ID: ZZZZZ	Batch ID: 18194	TestNo: EPA 8082	(EPA 3550B)	Analysis Date: 5/11/2004	SeqNo: 562962

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	140.6	16	166.6	0	84.4	66	111	0	0		
Aroclor 1260	148.8	16	166.6	0	89.3	65	122	0	0		

Sample ID MB-18194MSA	SampType: MS	TestCode: 8082_S	Units: µg/Kg	Prep Date: 5/11/2004	Run ID: GC10_040510A
Client ID: ZZZZZ	Batch ID: 18194	TestNo: EPA 8082	(EPA 3550B)	Analysis Date: 5/11/2004	SeqNo: 563141

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	157.9	16	166.6	0	94.7	43	162	0	0		
Aroclor 1260	154.7	16	166.6	0	92.8	52	129	0	0		

Sample ID MB-18194MSDA	SampType: MSD	TestCode: 8082_S	Units: µg/Kg	Prep Date: 5/11/2004	Run ID: GC10_040510A
Client ID: ZZZZZ	Batch ID: 18194	TestNo: EPA 8082	(EPA 3550B)	Analysis Date: 5/11/2004	SeqNo: 563142

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	142.6	16	166.6	0	85.6	43	162	157.9	10.2	30	

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Calculations are based on raw values
DO - Surrogate diluted out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: 18194

Sample ID	MB-18194MSDA	SampType:	MSD	TestCode:	8082_S	Units:	µg/Kg	Prep Date:	5/11/2004	Run ID:	GC10_040510A
Client ID:	ZZZZZ	Batch ID:	18194	TestNo:	EPA 8082	(EPA 3550B)		Analysis Date:	5/11/2004	SeqNo:	563142

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1260	149.4	16	166.6	0	89.6	52	129	154.7	3.47	30	

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ANALYTICAL QC SUMMARY REPORT

BatchID: 18195

Sample ID	MB-18195	SampType:	MBLK	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	5/11/2004	Run ID:	GC7_BACK_040511A
Client ID:	ZZZZZ	Batch ID:	18195	TestNo:	EPA 8015B(M	(LUFT)		Analysis Date:	5/11/2004	SeqNo:	562845

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	9.288	10									J
Motor Oil	8.92	10									J

Sample ID	MB-18195	SampType:	MBLK	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	5/11/2004	Run ID:	GC7_BACK_040511A
Client ID:	ZZZZZ	Batch ID:	18195	TestNo:	EPA 8015B(M	(LUFT)		Analysis Date:	5/12/2004	SeqNo:	563400

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	9.947	10									J
Motor Oil	9.96	10									J

Sample ID	LCS-18195	SampType:	LCS	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	5/11/2004	Run ID:	GC7_BACK_040511A
Client ID:	ZZZZZ	Batch ID:	18195	TestNo:	EPA 8015B(M	(LUFT)		Analysis Date:	5/11/2004	SeqNo:	562846

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	896.5	10	1000	0	89.6	73	125	0	0		

Sample ID	LCS-18195	SampType:	LCS	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	5/11/2004	Run ID:	GC7_BACK_040511A
Client ID:	ZZZZZ	Batch ID:	18195	TestNo:	EPA 8015B(M	(LUFT)		Analysis Date:	5/11/2004	SeqNo:	563399

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	989.5	10	1000	0	99	73	125	0	0		

Sample ID	068901-001AMS	SampType:	MS	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	5/11/2004	Run ID:	GC7_BACK_040511A
Client ID:	ZZZZZ	Batch ID:	18195	TestNo:	EPA 8015B(M	(LUFT)		Analysis Date:	5/11/2004	SeqNo:	562848

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	876.5	10	1000	53.5	82.3	70	128	0	0		

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ANALYTICAL QC SUMMARY REPORT

BatchID: 18195

Sample ID 068901-001AMSD	SampType: MSD	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 5/11/2004	Run ID: GC7_BACK_040511A
Client ID: ZZZZZ	Batch ID: 18195	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 5/11/2004	SeqNo: 562914

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	872.8	10	1000	53.5	81.9	70	128	876.5	0.421	30	

Sample ID MB-18195	SampType: MBLK	TestCode: HC_S_SVOA	Units: mg/Kg	Prep Date: 5/11/2004	Run ID: GC7_BACK_040511A
Client ID: ZZZZZ	Batch ID: 18195	TestNo: EPA 8015B	(LUFT)	Analysis Date: 5/11/2004	SeqNo: 562837

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C12	ND	10									
T/R Hydrocarbons: C13-C15	ND	10									
T/R Hydrocarbons: C16-C22	ND	10									
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons: >C32	ND	10									

Sample ID MB-18195	SampType: MBLK	TestCode: HC_S_SVOA	Units: mg/Kg	Prep Date: 5/11/2004	Run ID: GC7_BACK_040511A
Client ID: ZZZZZ	Batch ID: 18195	TestNo: EPA 8015B	(LUFT)	Analysis Date: 5/12/2004	SeqNo: 563419

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C12	ND	10									
T/R Hydrocarbons: C13-C15	ND	10									
T/R Hydrocarbons: C16-C22	ND	10									
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons: >C32	ND	10									

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ANALYTICAL QC SUMMARY REPORT

BatchID: 18199

Sample ID	MB-18199	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	5/11/2004	Run ID:	ICP5_040513A
Client ID:	ZZZZZ	Batch ID:	18199	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	5/13/2004	SeqNo:	563804

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	10									
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Boron	ND	10									
Cadmium	ND	1.0									
Calcium	ND	10									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Iron	ND	10									
Lead	ND	1.0									
Magnesium	ND	10									
Manganese	ND	10									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silicon	ND	20									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID	MB-18199	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	5/11/2004	Run ID:	ICP5_040515E
Client ID:	ZZZZZ	Batch ID:	18199	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	5/15/2004	SeqNo:	564902

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	10									
Antimony	ND	2.0									

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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: 18199

Sample ID	MB-18199	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	5/11/2004	Run ID:	ICP5_040515E
Client ID:	ZZZZZ	Batch ID:	18199	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	5/15/2004	SeqNo:	564902

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Boron	ND	10									
Cadmium	ND	1.0									
Calcium	ND	10									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Iron	ND	10									
Lead	ND	1.0									
Magnesium	ND	10									
Manganese	ND	10									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silicon	ND	20									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID	LCS-18199	SampType:	LCS	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	5/11/2004	Run ID:	ICP5_040513A
Client ID:	ZZZZZ	Batch ID:	18199	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	5/13/2004	SeqNo:	563805

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	896.9	10	1000	0	89.7	80	120	0	0		
Antimony	46.53	2.0	50	0	93.1	80	120	0	0		
Arsenic	52.29	1.0	50	0	105	80	120	0	0		
Barium	50.17	1.0	50	0	100	80	120	0	0		

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Calculations are based on raw values

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CLIENT: Geocon Environmental
Work Order: 068886
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ANALYTICAL QC SUMMARY REPORT

BatchID: 18199

Sample ID LCS-18199	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 5/11/2004	Run ID: ICP5_040513A
Client ID: ZZZZZ	Batch ID: 18199	TestNo: EPA 6010B	(EPA 3050A)	Analysis Date: 5/13/2004	SeqNo: 563805

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	46.93	1.0	50	0	93.9	80	120	0	0		
Boron	452.9	10	500	0	90.6	80	120	0	0		
Cadmium	48.41	1.0	50	0	96.8	80	120	0	0		
Calcium	946.2	10	1000	0	94.6	80	120	0	0		
Chromium	50.47	1.0	50	0	101	80	120	0	0		
Cobalt	46.73	1.0	50	0	93.5	80	120	0	0		
Copper	48.88	2.0	50	0	97.8	80	120	0	0		
Iron	944.1	10	1000	0	94.4	80	120	0	0		
Lead	46.56	1.0	50	0	93.1	80	120	0	0		
Magnesium	943	10	1000	0	94.3	80	120	0	0		
Manganese	948.3	10	1000	0	94.8	80	120	0	0		
Molybdenum	48.42	1.0	50	0	96.8	80	120	0	0		
Nickel	47.51	1.0	50	0	95	80	120	0	0		
Selenium	51.22	1.0	50	0	102	80	120	0	0		
Silicon	448.9	20	500	0	89.8	80	120	0	0		
Silver	52.32	1.0	50	0	105	80	120	0	0		
Thallium	45.85	1.0	50	0	91.7	80	120	0	0		
Vanadium	49.53	1.0	50	0	99.1	80	120	0	0		
Zinc	48.54	1.0	50	0	97.1	80	120	0	0		

Sample ID LCS-18199	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 5/11/2004	Run ID: ICP5_040515E
Client ID: ZZZZZ	Batch ID: 18199	TestNo: EPA 6010B	(EPA 3050A)	Analysis Date: 5/15/2004	SeqNo: 564903

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	835.5	10	1000	0	83.6	80	120	0	0		
Antimony	43.81	2.0	50	0	87.6	80	120	0	0		
Arsenic	48.26	1.0	50	0	96.5	80	120	0	0		
Barium	46.65	1.0	50	0	93.3	80	120	0	0		
Beryllium	44.56	1.0	50	0	89.1	80	120	0	0		
Boron	425.5	10	500	0	85.1	80	120	0	0		

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ANALYTICAL QC SUMMARY REPORT

BatchID: 18199

Sample ID LCS-18199	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 5/11/2004	Run ID: ICP5_040515E
Client ID: ZZZZZ	Batch ID: 18199	TestNo: EPA 6010B	(EPA 3050A)	Analysis Date: 5/15/2004	SeqNo: 564903

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	43.45	1.0	50	0	86.9	80	120	0	0		
Calcium	882.1	10	1000	0	88.2	80	120	0	0		
Chromium	45.94	1.0	50	0	91.9	80	120	0	0		
Cobalt	43.37	1.0	50	0	86.7	80	120	0	0		
Copper	44.55	2.0	50	0	89.1	80	120	0	0		
Iron	879.1	10	1000	0	87.9	80	120	0	0		
Lead	42.35	1.0	50	0	84.7	80	120	0	0		
Magnesium	876.4	10	1000	0	87.6	80	120	0	0		
Manganese	881.5	10	1000	0	88.2	80	120	0	0		
Molybdenum	45.77	1.0	50	0	91.5	80	120	0	0		
Nickel	43.14	1.0	50	0	86.3	80	120	0	0		
Selenium	44.88	1.0	50	0	89.8	80	120	0	0		
Silicon	417.8	20	500	0	83.6	80	120	0	0		
Silver	43.53	1.0	50	0	87.1	80	120	0	0		
Thallium	41.4	1.0	50	0	82.8	80	120	0	0		
Vanadium	45.67	1.0	50	0	91.3	80	120	0	0		
Zinc	43.74	1.0	50	0	87.5	80	120	0	0		

Sample ID 068887-006AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 5/11/2004	Run ID: ICP5_040513A
Client ID: ZZZZZ	Batch ID: 18199	TestNo: EPA 6010B	(EPA 3050A)	Analysis Date: 5/13/2004	SeqNo: 563810

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	7194	10	1000	6554	63.9	27	198	0	0		
Antimony	81.98	2.0	125	0	65.6	23	118	0	0		
Arsenic	112.9	1.0	125	5.032	86.3	64	111	0	0		
Barium	162.7	1.0	125	62.21	80.4	36	146	0	0		
Beryllium	100.8	1.0	125	0	80.6	50	120	0	0		
Boron	393.5	10	500	6.962	77.3	64	116	0	0		
Cadmium	100.2	1.0	125	0	80.2	62	107	0	0		
Calcium	4436	10	1000	3481	95.5	17	164	0	0		

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ANALYTICAL QC SUMMARY REPORT

BatchID: 18199

Sample ID 068887-006AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 5/11/2004	Run ID: ICP5_040513A
Client ID: ZZZZZ	Batch ID: 18199	TestNo: EPA 6010B	(EPA 3050A)	Analysis Date: 5/13/2004	SeqNo: 563810

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	118.9	1.0	125	15.19	83	63	119	0	0		
Cobalt	103.4	1.0	125	6.894	77.2	63	111	0	0		
Copper	126.3	2.0	125	18.6	86.2	58	136	0	0		
Iron	13020	10	1000	12480	54.7	31	188	0	0		
Lead	110.6	1.0	125	16.13	75.5	47	125	0	0		
Magnesium	5075	10	1000	4282	79.3	29	173	0	0		
Manganese	1050	10	1000	235.8	81.4	64	121	0	0		
Molybdenum	103	1.0	125	0.7454	81.8	63	116	0	0		
Nickel	109.4	1.0	125	11.69	78.2	57	116	0	0		
Selenium	109.7	1.0	125	2.392	85.9	47	118	0	0		
Silicon	991.7	20	500	496.6	99	17	135	0	0		
Silver	115.7	1.0	125	0	92.6	48	125	0	0		
Thallium	89.68	1.0	125	0	71.7	49	116	0	0		
Vanadium	127.8	1.0	125	23.11	83.8	65	122	0	0		
Zinc	199.2	1.0	125	98.23	80.8	36	140	0	0		

Sample ID 068887-006AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 5/11/2004	Run ID: ICP5_040515E
Client ID: ZZZZZ	Batch ID: 18199	TestNo: EPA 6010B	(EPA 3050A)	Analysis Date: 5/15/2004	SeqNo: 564911

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	97.68	1.0	125	15.93	65.4	47	125	0	0		

Sample ID 068887-006AMSD	SampType: MSD	TestCode: 6010_S	Units: mg/Kg	Prep Date: 5/11/2004	Run ID: ICP5_040513A
Client ID: ZZZZZ	Batch ID: 18199	TestNo: EPA 6010B	(EPA 3050A)	Analysis Date: 5/13/2004	SeqNo: 563811

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	7167	10	1000	6554	61.2	27	198	7194	0.377	20	
Antimony	75.83	2.0	125	0	60.7	23	118	81.98	7.80	20	
Arsenic	108.1	1.0	125	5.032	82.4	64	111	112.9	4.39	20	
Barium	160.4	1.0	125	62.21	78.5	36	146	162.7	1.45	20	

Qualifiers:
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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: 18199

Sample ID 068887-006AMSD	SampType: MSD	TestCode: 6010_S	Units: mg/Kg	Prep Date: 5/11/2004	Run ID: ICP5_040513A
Client ID: ZZZZZ	Batch ID: 18199	TestNo: EPA 6010B	(EPA 3050A)	Analysis Date: 5/13/2004	SeqNo: 563811

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	96.53	1.0	125	0	77.2	50	120	100.8	4.29	20	
Boron	381.9	10	500	6.962	75	64	116	393.5	2.98	20	
Cadmium	96.48	1.0	125	0	77.2	62	107	100.2	3.79	20	
Calcium	4488	10	1000	3481	101	17	164	4436	1.18	20	
Chromium	115.6	1.0	125	15.19	80.3	63	119	118.9	2.84	20	
Cobalt	99.95	1.0	125	6.894	74.4	63	111	103.4	3.35	20	
Copper	123.2	2.0	125	18.6	83.6	58	136	126.3	2.53	20	
Iron	13070	10	1000	12480	58.9	31	188	13020	0.323	20	
Lead	106.4	1.0	125	16.13	72.2	47	125	110.6	3.85	20	
Magnesium	5042	10	1000	4282	76	29	173	5075	0.655	20	
Manganese	1024	10	1000	235.8	78.8	64	121	1050	2.54	20	
Molybdenum	98.36	1.0	125	0.7454	78.1	63	116	103	4.63	20	
Nickel	105.9	1.0	125	11.69	75.4	57	116	109.4	3.27	20	
Selenium	104.6	1.0	125	2.392	81.7	47	118	109.7	4.79	20	
Silicon	1021	20	500	496.6	105	17	135	991.7	2.91	20	
Silver	111.8	1.0	125	0	89.4	48	125	115.7	3.46	20	
Thallium	85.5	1.0	125	0	68.4	49	116	89.68	4.78	20	
Vanadium	124.1	1.0	125	23.11	80.8	65	122	127.8	2.99	20	
Zinc	195.5	1.0	125	98.23	77.8	36	140	199.2	1.89	20	

Sample ID 068887-006AMSD	SampType: MSD	TestCode: 6010_S	Units: mg/Kg	Prep Date: 5/11/2004	Run ID: ICP5_040515E
Client ID: ZZZZZ	Batch ID: 18199	TestNo: EPA 6010B	(EPA 3050A)	Analysis Date: 5/15/2004	SeqNo: 564912

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	100.9	1.0	125	15.93	67.9	47	125	97.68	3.20	20	

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Calculations are based on raw values
DO - Surrogate diluted out
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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: 18209

Sample ID MB-18209	SampType: MBLK	TestCode: 8015_W_DM	Units: mg/L	Prep Date: 5/12/2004	Run ID: GC7_040512B
Client ID: ZZZZZ	Batch ID: 18209	TestNo: EPA 8015B(M	(EPA 3510C)	Analysis Date: 5/12/2004	SeqNo: 564019

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0	0.20									
Motor Oil	0	0.20									

Sample ID LCS-18209	SampType: LCS	TestCode: 8015_W_DM	Units: mg/L	Prep Date: 5/12/2004	Run ID: GC7_040512B
Client ID: ZZZZZ	Batch ID: 18209	TestNo: EPA 8015B(M	(EPA 3510C)	Analysis Date: 5/12/2004	SeqNo: 564020

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.7683	0.20	1	0	76.8	57	114	0	0		

Sample ID MB-18209	SampType: MBLK	TestCode: 8015_W_DM_	Units: mg/L	Prep Date: 5/12/2004	Run ID: GC7_040512B
Client ID: ZZZZZ	Batch ID: 18209	TestNo: EPA 8015B(M	(EPA 3510C)	Analysis Date: 5/12/2004	SeqNo: 563794

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0	0.050									
Motor Oil	0	0.050									

Sample ID LCS-18209	SampType: LCS	TestCode: 8015_W_DM_	Units: mg/L	Prep Date: 5/12/2004	Run ID: GC7_040512B
Client ID: ZZZZZ	Batch ID: 18209	TestNo: EPA 8015B(M	(EPA 3510C)	Analysis Date: 5/12/2004	SeqNo: 563795

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.7552	0.050	1	0	75.5	57	114	0	0		

Sample ID MB-18209MS	SampType: MS	TestCode: 8015_W_DM_	Units: mg/L	Prep Date: 5/12/2004	Run ID: GC7_040512B
Client ID: ZZZZZ	Batch ID: 18209	TestNo: EPA 8015B(M	(EPA 3510C)	Analysis Date: 5/12/2004	SeqNo: 563796

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.6997	0.050	1	0	70	46	125	0	0		

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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: 18209

Sample ID MB-18209MSD	SampType: MSD	TestCode: 8015_W_DM_	Units: mg/L	Prep Date: 5/12/2004	Run ID: GC7_040512B
Client ID: ZZZZZ	Batch ID: 18209	TestNo: EPA 8015B(M	(EPA 3510C)	Analysis Date: 5/12/2004	SeqNo: 563797

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.8297	0.050	1	0	83	46	125	0	0		

Sample ID MB-18209	SampType: MBLK	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 5/12/2004	Run ID: GC7_040512B
Client ID: ZZZZZ	Batch ID: 18209	TestNo: EPA 8015B(M	(EPA 3510C)	Analysis Date: 5/12/2004	SeqNo: 564035

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0	0.20									

Sample ID LCS-18209	SampType: LCS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 5/12/2004	Run ID: GC7_040512B
Client ID: ZZZZZ	Batch ID: 18209	TestNo: EPA 8015B(M	(EPA 3510C)	Analysis Date: 5/12/2004	SeqNo: 564036

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.7683	0.20	1	0	76.8	57	114	0	0		

Sample ID MB-18209	SampType: MBLK	TestCode: HC_W_SVOA	Units: mg/L	Prep Date: 5/12/2004	Run ID: GC7_040512B
Client ID: ZZZZZ	Batch ID: 18209	TestNo: EPA 8015B	(EPA 3510C)	Analysis Date: 5/12/2004	SeqNo: 564027

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C12	ND	0.20									
T/R Hydrocarbons: C13-C15	ND	0.20									
T/R Hydrocarbons: C16-C22	ND	0.20									
T/R Hydrocarbons: C23-C32	ND	0.20									
T/R Hydrocarbons: >C32	ND	0.20									

Sample ID MB-18209	SampType: MBLK	TestCode: HC_W_SVOA	Units: mg/L	Prep Date: 5/12/2004	Run ID: GC7_040512B
Client ID: ZZZZZ	Batch ID: 18209	TestNo: EPA 8015B	(EPA 3510C)	Analysis Date: 5/12/2004	SeqNo: 563617

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C12	0	0.050	0	0	0	0	0	0	0		

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ANALYTICAL QC SUMMARY REPORT

BatchID: 18209

Sample ID **MB-18209**	SampType: **MBLK**	TestCode: **HC_W_SVOA**	Units: **mg/L**	Prep Date: **5/12/2004**	Run ID: **GC7_040512B**				
Client ID: **ZZZZZ**	Batch ID: **18209**	TestNo: **EPA 8015B**	**(EPA 3510C)**	Analysis Date: **5/12/2004**	SeqNo: **563617**				

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C15	0	0.050	0	0	0	0	0	0	0		
T/R Hydrocarbons: C16-C22	0	0.050	0	0	0	0	0	0	0		
T/R Hydrocarbons: C23-C32	0	0.050	0	0	0	0	0	0	0		
T/R Hydrocarbons: >C32	0	0.050	0	0	0	0	0	0	0		

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CLIENT: Geocon Environmental
Work Order: 068886
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ANALYTICAL QC SUMMARY REPORT

BatchID: 18213

Sample ID	MB-18213	SampType:	MBLK	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	5/12/2004	Run ID:	GC8_040512A
Client ID:	ZZZZZ	Batch ID:	18213	TestNo:	EPA 8015B(M	(LUFT)		Analysis Date:	5/12/2004	SeqNo:	563878

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	9.6	10									J
Motor Oil	5.532	10									J

Sample ID	LCS-18213	SampType:	LCS	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	5/12/2004	Run ID:	GC8_040512A
Client ID:	ZZZZZ	Batch ID:	18213	TestNo:	EPA 8015B(M	(LUFT)		Analysis Date:	5/12/2004	SeqNo:	563879

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	898.1	10	1000	0	89.8	73	125	0	0		

Sample ID	068909-001AMS	SampType:	MS	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	5/12/2004	Run ID:	GC8_040512A
Client ID:	ZZZZZ	Batch ID:	18213	TestNo:	EPA 8015B(M	(LUFT)		Analysis Date:	5/12/2004	SeqNo:	563880

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	905.6	10	1000	7.398	89.8	70	128	0	0		

Sample ID	068909-001AMSD	SampType:	MSD	TestCode:	8015_S_DM	Units:	mg/Kg	Prep Date:	5/12/2004	Run ID:	GC8_040512A
Client ID:	ZZZZZ	Batch ID:	18213	TestNo:	EPA 8015B(M	(LUFT)		Analysis Date:	5/12/2004	SeqNo:	563881

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	889.4	10	1000	7.398	88.2	70	128	905.6	1.80	30	

Sample ID	MB-18213	SampType:	MBLK	TestCode:	8015_S_DSL	Units:	mg/Kg	Prep Date:	5/12/2004	Run ID:	GC8_040512A
Client ID:	ZZZZZ	Batch ID:	18213	TestNo:	EPA 8015B(M	(LUFT)		Analysis Date:	5/12/2004	SeqNo:	563847

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	9.6	10									J

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Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: 18213

Sample ID	LCS-18213	SampType:	LCS	TestCode:	8015_S_DSL	Units:	mg/Kg	Prep Date:	5/12/2004	Run ID:	GC8_040512A
Client ID:	ZZZZZ	Batch ID:	18213	TestNo:	EPA 8015B(M	(LUFT)		Analysis Date:	5/12/2004	SeqNo:	563848

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	898.1	10	1000	0	89.8	73	125	0	0		

Sample ID	068909-001AMS	SampType:	MS	TestCode:	8015_S_DSL	Units:	mg/Kg	Prep Date:	5/12/2004	Run ID:	GC8_040512A
Client ID:	ZZZZZ	Batch ID:	18213	TestNo:	EPA 8015B(M	(LUFT)		Analysis Date:	5/12/2004	SeqNo:	563849

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	905.6	10	1000	7.398	89.8	70	128	0	0		

Sample ID	068909-001AMSD	SampType:	MSD	TestCode:	8015_S_DSL	Units:	mg/Kg	Prep Date:	5/12/2004	Run ID:	GC8_040512A
Client ID:	ZZZZZ	Batch ID:	18213	TestNo:	EPA 8015B(M	(LUFT)		Analysis Date:	5/12/2004	SeqNo:	563850

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	889.4	10	1000	7.398	88.2	70	128	905.6	1.80	30	

Sample ID	MB-18213	SampType:	MBLK	TestCode:	HC_S_SVOA	Units:	mg/Kg	Prep Date:	5/12/2004	Run ID:	GC8_040512A
Client ID:	ZZZZZ	Batch ID:	18213	TestNo:	EPA 8015B	(LUFT)		Analysis Date:	5/12/2004	SeqNo:	563884

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C12	ND	10									
T/R Hydrocarbons: C13-C15	ND	10									
T/R Hydrocarbons: C16-C22	ND	10									
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons: >C32	ND	10									

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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: E04VS171

Sample ID	E051104MB	SampType:	MBLK	TestCode:	HC_S_VOA	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040511A
Client ID:	ZZZZZ	Batch ID:	E04VS171	TestNo:	EPA 8015B			Analysis Date:	5/11/2004	SeqNo:	562834

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C5-C12	ND	1.0									

Sample ID	E051104MB2	SampType:	MBLK	TestCode:	HC_S_VOA	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040511A
Client ID:	ZZZZZ	Batch ID:	E04VS171	TestNo:	EPA 8015B			Analysis Date:	5/11/2004	SeqNo:	562998

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C5-C12	ND	1.0									

Sample ID	E051104LC	SampType:	LCS	TestCode:	HC_S_VOA	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040511A
Client ID:	ZZZZZ	Batch ID:	E04VS171	TestNo:	EPA 8015B			Analysis Date:	5/11/2004	SeqNo:	562927

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C5-C12	4.341	1.0	5	0	86.8	76	116	0	0		

Sample ID	068886-004AMS	SampType:	MS	TestCode:	HC_S_VOA	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040511A
Client ID:	TN-1-8	Batch ID:	E04VS171	TestNo:	EPA 8015B			Analysis Date:	5/11/2004	SeqNo:	562925

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C5-C12	23.12	1.0	5	472	-8980	27	137	0	0		S

Sample ID	068886-004AMSD	SampType:	MSD	TestCode:	HC_S_VOA	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040511A
Client ID:	TN-1-8	Batch ID:	E04VS171	TestNo:	EPA 8015B			Analysis Date:	5/11/2004	SeqNo:	562926

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C5-C12	19.75	1.0	5	472	-9040	27	137	23.12	15.7	30	S

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CLIENT: Geocon Environmental
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ANALYTICAL QC SUMMARY REPORT

BatchID: E04VS172

Sample ID	E051204MB	SampType:	MBLK	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040512A	
Client ID:	ZZZZZ	Batch ID:	E04VS172	TestNo:	EPA 8015B(M			Analysis Date:	5/12/2004	SeqNo:	563771	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		0	1.0									

Sample ID	E051204LC	SampType:	LCS	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040512A	
Client ID:	ZZZZZ	Batch ID:	E04VS172	TestNo:	EPA 8015B(M			Analysis Date:	5/12/2004	SeqNo:	563780	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		4.621	1.0	5	0	92.4	76	116	0	0		

Sample ID	068909-021AMS	SampType:	MS	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040512A	
Client ID:	ZZZZZ	Batch ID:	E04VS172	TestNo:	EPA 8015B(M			Analysis Date:	5/12/2004	SeqNo:	563778	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		4.844	1.0	5	0.543	86	27	137	0	0		

Sample ID	068909-021AMSD	SampType:	MSD	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040512A	
Client ID:	ZZZZZ	Batch ID:	E04VS172	TestNo:	EPA 8015B(M			Analysis Date:	5/12/2004	SeqNo:	563779	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		4.808	1.0	5	0.543	85.3	27	137	4.844	0.746	25	

Sample ID	E051204MB	SampType:	MBLK	TestCode:	8020_S_FUL	Units:	µg/Kg	Prep Date:		Run ID:	GC2_040512A	
Client ID:	ZZZZZ	Batch ID:	E04VS172	TestNo:	EPA 8020A			Analysis Date:	5/12/2004	SeqNo:	563782	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		0	5.0									
Ethylbenzene		0	5.0									
m,p-Xylene		0	5.0									
MTBE		0	5.0									
o-Xylene		0	5.0									

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ANALYTICAL QC SUMMARY REPORT

BatchID: E04VS172

Sample ID E051204MB	SampType: MBLK	TestCode: 8020_S_FUL	Units: µg/Kg	Prep Date:	Run ID: GC2_040512A
Client ID: ZZZZZ	Batch ID: E04VS172	TestNo: EPA 8020A		Analysis Date: 5/12/2004	SeqNo: 563782

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	0	5.0									

Sample ID E051204LC2	SampType: LCS	TestCode: 8020_S_FUL	Units: µg/Kg	Prep Date:	Run ID: GC2_040512A
Client ID: ZZZZZ	Batch ID: E04VS172	TestNo: EPA 8020A		Analysis Date: 5/12/2004	SeqNo: 563792

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	107.5	5.0	100	0	108	48	132	0	0		
Ethylbenzene	107	5.0	100	0	107	78	133	0	0		
m,p-Xylene	208.5	5.0	200	0	104	69	103	0	0		S
MTBE	105.9	5.0	100	0	106	51	110	0	0		
o-Xylene	109.6	5.0	100	0	110	74	117	0	0		
Toluene	104.8	5.0	100	0	105	73	125	0	0		
Xylenes, Total	318.1	10	300	0	106	70	130	0	0		

Sample ID 068909-021AMS	SampType: MS	TestCode: 8020_S_FUL	Units: µg/Kg	Prep Date:	Run ID: GC2_040512A
Client ID: ZZZZZ	Batch ID: E04VS172	TestNo: EPA 8020A		Analysis Date: 5/12/2004	SeqNo: 563789

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	42.61	5.0	27	8.3	127	23	136	0	0		
Ethylbenzene	49.27	5.0	42	3.522	109	22	149	0	0		
m,p-Xylene	167	5.0	193	3.753	84.6	24	115	0	0		
MTBE	728.5	5.0	543	316.6	75.9	41	96	0	0		
o-Xylene	74.22	5.0	65	4.95	107	31	126	0	0		
Toluene	150.7	5.0	134	2.486	111	31	140	0	0		
Xylenes, Total	241.2	10	258	0	93.5	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
DO - Surrogate diluted out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: E04VS172

Sample ID 068909-021AMSD	SampType: MSD	TestCode: 8020_S_FUL	Units: µg/Kg	Prep Date:	Run ID: GC2_040512A
Client ID: ZZZZZ	Batch ID: E04VS172	TestNo: EPA 8020A		Analysis Date: 5/12/2004	SeqNo: 563790

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	45.76	5.0	27	8.3	139	23	136	42.61	7.12	30	S
Ethylbenzene	51.5	5.0	42	3.522	114	22	149	49.27	4.44	30	
m,p-Xylene	170	5.0	193	3.753	86.1	24	115	167	1.79	30	
MTBE	847.4	5.0	543	316.6	97.8	41	96	728.5	15.1	30	S
o-Xylene	76.9	5.0	65	4.95	111	31	126	74.22	3.54	30	
Toluene	153.9	5.0	134	2.486	113	31	140	150.7	2.08	30	
Xylenes, Total	246.9	10	258	0	95.7	70	130	241.2	2.33	30	

Sample ID E051204MB	SampType: MBLK	TestCode: HC_S_VOA	Units: mg/Kg	Prep Date:	Run ID: GC2_040512A
Client ID: ZZZZZ	Batch ID: E04VS172	TestNo: EPA 8015B		Analysis Date: 5/12/2004	SeqNo: 563746

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C5-C12	ND	1.0									

Sample ID E051204LC	SampType: LCS	TestCode: HC_S_VOA	Units: mg/Kg	Prep Date:	Run ID: GC2_040512A
Client ID: ZZZZZ	Batch ID: E04VS172	TestNo: EPA 8015B		Analysis Date: 5/12/2004	SeqNo: 563758

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C5-C12	4.621	1.0	5	0	92.4	76	116	0	0		

Sample ID 068909-021AMS	SampType: MS	TestCode: HC_S_VOA	Units: mg/Kg	Prep Date:	Run ID: GC2_040512A
Client ID: ZZZZZ	Batch ID: E04VS172	TestNo: EPA 8015B		Analysis Date: 5/12/2004	SeqNo: 563756

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C5-C12	4.844	1.0	5	0.543	86	27	137	0	0		

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Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: E04VS172

Sample ID 068909-021AMSD	SampType: MSD	TestCode: HC_S_VOA	Units: mg/Kg	Prep Date:	Run ID: GC2_040512A
Client ID: ZZZZZ	Batch ID: E04VS172	TestNo: EPA 8015B		Analysis Date: 5/12/2004	SeqNo: 563757

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C5-C12	4.808	1.0	5	0.543	85.3	27	137	4.844	0.746	30	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

BatchID: I04VW090

Sample ID	I051104MB1	SampType:	MBLK	TestCode:	8015_W_G P	Units:	mg/L	Prep Date:		Run ID:	GC6_040511A
Client ID:	ZZZZZ	Batch ID:	I04VW090	TestNo:	EPA 8015B(M			Analysis Date:	5/11/2004	SeqNo:	563118

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0	0.20									

Sample ID	I051104LC1	SampType:	LCS	TestCode:	8015_W_G P	Units:	mg/L	Prep Date:		Run ID:	GC6_040511A
Client ID:	ZZZZZ	Batch ID:	I04VW090	TestNo:	EPA 8015B(M			Analysis Date:	5/11/2004	SeqNo:	563122

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.932	0.20	1	0	93.2	70	125	0	0		

Sample ID	I051104MB1MS	SampType:	MS	TestCode:	8015_W_G P	Units:	mg/L	Prep Date:		Run ID:	GC6_040511A
Client ID:	ZZZZZ	Batch ID:	I04VW090	TestNo:	EPA 8015B(M			Analysis Date:	5/11/2004	SeqNo:	563116

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.821	0.20	1	0	82.1	64	129	0	0		

Sample ID	I051104MB1MSD	SampType:	MSD	TestCode:	8015_W_G P	Units:	mg/L	Prep Date:		Run ID:	GC6_040511A
Client ID:	ZZZZZ	Batch ID:	I04VW090	TestNo:	EPA 8015B(M			Analysis Date:	5/11/2004	SeqNo:	563117

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.813	0.20	1	0	81.3	64	129	0.821	0.979	30	

Sample ID	I051104MB1	SampType:	MBLK	TestCode:	8020_W_PRE	Units:	µg/L	Prep Date:		Run ID:	GC6_040511A
Client ID:	ZZZZZ	Batch ID:	I04VW090	TestNo:	EPA 8020A			Analysis Date:	5/11/2004	SeqNo:	563108

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0	0.50									
Ethylbenzene	0	0.50									
m,p-Xylene	0	0.50									
MTBE	0	0.50									
o-Xylene	0	0.50									

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ANALYTICAL QC SUMMARY REPORT

BatchID: I04VW090

Sample ID	I051104MB1	SampType:	MBLK	TestCode:	8020_W_PRE	Units:	µg/L	Prep Date:		Run ID:	GC6_040511A
Client ID:	ZZZZZ	Batch ID:	I04VW090	TestNo:	EPA 8020A			Analysis Date:	5/11/2004	SeqNo:	563108

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	0	0.50									

Sample ID	I051104LC2	SampType:	LCS	TestCode:	8020_W_PRE	Units:	µg/L	Prep Date:		Run ID:	GC6_040511A
Client ID:	ZZZZZ	Batch ID:	I04VW090	TestNo:	EPA 8020A			Analysis Date:	5/11/2004	SeqNo:	563115

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	98.22	0.50	100	0	98.2	72	138	0	0		
Ethylbenzene	98.83	0.50	100	0	98.8	71	120	0	0		
m,p-Xylene	186.7	0.50	200	0	93.4	74	119	0	0		
MTBE	97.31	0.50	100	0	97.3	69	130	0	0		
o-Xylene	99.17	0.50	100	0	99.2	78	131	0	0		
Toluene	95	0.50	100	0	95	70	129	0	0		

Sample ID	I051104MB1MS	SampType:	MS	TestCode:	8020_W_PRE	Units:	µg/L	Prep Date:		Run ID:	GC6_040511A
Client ID:	ZZZZZ	Batch ID:	I04VW090	TestNo:	EPA 8020A			Analysis Date:	5/11/2004	SeqNo:	563106

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	6.437	0.50	5.5	0	117	68	135	0	0		
Ethylbenzene	8.193	0.50	8.6	0	95.3	75	115	0	0		
m,p-Xylene	29.42	0.50	35	0	84.1	73	118	0	0		
MTBE	93.57	0.50	101	0	92.6	61	127	0	0		
o-Xylene	11.28	0.50	12	0	94	80	131	0	0		
Toluene	24.96	0.50	30	0	83.2	73	124	0	0		
Xylenes, Total	40.7	1.0	47	0	86.6	70	130	0	0		

Sample ID	I051104MB1MSD	SampType:	MSD	TestCode:	8020_W_PRE	Units:	µg/L	Prep Date:		Run ID:	GC6_040511A
Client ID:	ZZZZZ	Batch ID:	I04VW090	TestNo:	EPA 8020A			Analysis Date:	5/11/2004	SeqNo:	563107

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

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ANALYTICAL QC SUMMARY REPORT

BatchID: I04VW090

Sample ID I051104MB1MSD	SampType: MSD	TestCode: 8020_W_PRE	Units: µg/L	Prep Date:	Run ID: GC6_040511A
Client ID: ZZZZZ	Batch ID: I04VW090	TestNo: EPA 8020A		Analysis Date: 5/11/2004	SeqNo: 563107

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	6.5	0.50	5.5	0	118	68	135	6.437	0.974	30	
Ethylbenzene	8.484	0.50	8.6	0	98.7	75	115	8.193	3.49	30	
m,p-Xylene	30.43	0.50	35	0	87	73	118	29.42	3.39	30	
MTBE	95.09	0.50	101	0	94.2	61	127	93.57	1.62	30	
o-Xylene	11.8	0.50	12	0	98.3	80	131	11.28	4.48	30	
Toluene	25.61	0.50	30	0	85.4	73	124	24.96	2.54	30	
Xylenes, Total	42.23	1.0	47	0	89.9	70	130	40.7	3.69	30	

Sample ID I051104MB1	SampType: MBLK	TestCode: HC_W_VOA	Units: mg/L	Prep Date:	Run ID: GC6_040511A
Client ID: ZZZZZ	Batch ID: I04VW090	TestNo: EPA 8015B		Analysis Date: 5/11/2004	SeqNo: 563125

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C5-C12	0.037	0.050									J

Sample ID I051104LC1	SampType: LCS	TestCode: HC_W_VOA	Units: mg/L	Prep Date:	Run ID: GC6_040511A
Client ID: ZZZZZ	Batch ID: I04VW090	TestNo: EPA 8015B		Analysis Date: 5/11/2004	SeqNo: 563129

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C5-C12	0.932	0.050	1	0	93.2	70	125	0	0		

Sample ID I051104MB1MS	SampType: MS	TestCode: HC_W_VOA	Units: mg/L	Prep Date:	Run ID: GC6_040511A
Client ID: ZZZZZ	Batch ID: I04VW090	TestNo: EPA 8015B		Analysis Date: 5/11/2004	SeqNo: 563123

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C5-C12	0.821	0.050	1	0.037	78.4	64	129	0	0		

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H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

BatchID: I04VW090

Sample ID **I051104MB1MSD**	SampType: **MSD**	TestCode: **HC_W_VOA**	Units: **mg/L**	Prep Date:				Run ID: **GC6_040511A**			
Client ID: **ZZZZZ**	Batch ID: **I04VW090**	TestNo: **EPA 8015B**		Analysis Date: **5/11/2004**				SeqNo: **563124**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C5-C12	0.813	0.050	1	0.037	77.6	64	129	0.821	0.979	30	

Qualifiers:
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CLIENT: Geocon Environmental
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ANALYTICAL QC SUMMARY REPORT

BatchID: R04VS095

Sample ID: R040511MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:		Run ID: MS3_040511A	
Client ID: ZZZZZ	Batch ID: R04VS095	TestNo: EPA 8260B		Analysis Date: 5/11/2004		SeqNo: 563480	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Butanone	ND	50									
2-Chloroethyl vinyl ether	ND	5.0									
2-Chlorotoluene	ND	5.0									
2-Hexanone	ND	50									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
4-Methyl-2-pentanone	ND	50									
Acetone	ND	50									
Acrolein	ND	50									

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Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: R04VS095

Sample ID **R040511MB2**	SampType: **MBLK**	TestCode: **8260_S**	Units: **µg/Kg**	Prep Date:			Run ID: **MS3_040511A**		
Client ID: **ZZZZZ**	Batch ID: **R04VS095**	TestNo: **EPA 8260B**		Analysis Date: **5/11/2004**			SeqNo: **563480**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrylonitrile	ND	50									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromochloromethane	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon disulfide	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Cyclohexanone	ND	50									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl Acetate	ND	50									
Ethyl Ether	ND	50									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Freon-113	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Iodomethane	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	5.0									
Methylene chloride	ND	5.0									

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CLIENT: Geocon Environmental
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ANALYTICAL QC SUMMARY REPORT

BatchID: R04VS095

Sample ID R040511MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_040511A
Client ID: ZZZZZ	Batch ID: R04VS095	TestNo: EPA 8260B		Analysis Date: 5/11/2004	SeqNo: 563480

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
trans-1,3-Dichloropropene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl acetate	ND	50									
Vinyl chloride	ND	5.0									
Xylenes, Total	ND	10									

Sample ID R040511LC1	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_040511A
Client ID: ZZZZZ	Batch ID: R04VS095	TestNo: EPA 8260B		Analysis Date: 5/11/2004	SeqNo: 563477

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	118.5	5.0	100	0	118	73	138	0	0		
Benzene	118.5	5.0	100	0	118	77	128	0	0		
Chlorobenzene	119.5	5.0	100	0	120	79	120	0	0		
MTBE	116.8	5.0	100	0	117	47	142	0	0		
Toluene	117.3	5.0	100	0	117	79	126	0	0		
Trichloroethene	123	5.0	100	0	123	76	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike/Surrogate outside limits due to matrix interference
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO - Surrogate diluted out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: R04VS095

Sample ID 068886-010AMS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_040511A
Client ID: EXC-1-3	Batch ID: R04VS095	TestNo: EPA 8260B		Analysis Date: 5/11/2004	SeqNo: 563478

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	98.88	5.0	100	0	98.9	49	141	0	0		
Benzene	196.6	5.0	100	60.19	136	48	143	0	0		
Chlorobenzene	103.9	5.0	100	0	104	27	144	0	0		
MTBE	104.8	5.0	100	0	105	32	173	0	0		
Toluene	146.6	5.0	100	38.31	108	53	140	0	0		
Trichloroethene	106.8	5.0	100	0	107	55	146	0	0		

Sample ID 068886-010AMSD	SampType: MSD	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_040511A
Client ID: EXC-1-3	Batch ID: R04VS095	TestNo: EPA 8260B		Analysis Date: 5/11/2004	SeqNo: 563479

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	98.35	5.0	100	0	98.4	49	141	98.88	0.537	30	
Benzene	134.9	5.0	100	60.19	74.8	48	143	196.6	37.2	30	R
Chlorobenzene	98.14	5.0	100	0	98.1	27	144	103.9	5.67	30	
MTBE	106.5	5.0	100	0	106	32	173	104.8	1.58	30	
Toluene	119.6	5.0	100	38.31	81.3	53	140	146.6	20.3	30	
Trichloroethene	101.8	5.0	100	0	102	55	146	106.8	4.85	30	

Sample ID R040511MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS3_040511A
Client ID: ZZZZZ	Batch ID: R04VS095	TestNo: EPA 8260B		Analysis Date: 5/11/2004	SeqNo: 563522

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0	5.0									
1,1,1-Trichloroethane	0	5.0									
1,1,2,2-Tetrachloroethane	0	5.0									
1,1,2-Trichloroethane	0	5.0									
1,1-Dichloroethane	0	5.0									
1,1-Dichloroethene	0	5.0									
1,1-Dichloropropene	0	5.0									
1,2,3-Trichlorobenzene	0	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
DO - Surrogate diluted out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: R04VS095

Sample ID **R040511MB2**	SampType: **MBLK**	TestCode: **8260_S_5035**	Units: **µg/Kg**	Prep Date:	Run ID: **MS3_040511A**
Client ID: **ZZZZZ**	Batch ID: **R04VS095**	TestNo: **EPA 8260B**		Analysis Date: **5/11/2004**	SeqNo: **563522**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	0	5.0									
1,2,4-Trichlorobenzene	0	5.0									
1,2,4-Trimethylbenzene	0	5.0									
1,2-Dibromo-3-chloropropane	0	10									
1,2-Dibromoethane	0	5.0									
1,2-Dichlorobenzene	0	5.0									
1,2-Dichloroethane	0	5.0									
1,2-Dichloropropane	0	5.0									
1,3,5-Trimethylbenzene	0	5.0									
1,3-Dichlorobenzene	0	5.0									
1,3-Dichloropropane	0	5.0									
1,4-Dichlorobenzene	0	5.0									
2,2-Dichloropropane	0	5.0									
2-Butanone	0	50									
2-Chloroethyl vinyl ether	0	5.0									
2-Chlorotoluene	0	5.0									
2-Hexanone	0	50									
4-Chlorotoluene	0	5.0									
4-Isopropyltoluene	0	5.0									
4-Methyl-2-pentanone	0	50									
Acetone	0	50									
Acrolein	0	50									
Acrylonitrile	0	50									
Benzene	0	5.0									
Bromobenzene	0	5.0									
Bromochloromethane	0	5.0									
Bromodichloromethane	0	5.0									
Bromoform	0	5.0									
Bromomethane	0	5.0									
Carbon disulfide	0	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: R04VS095

Sample ID **R040511MB2**	SampType: **MBLK**	TestCode: **8260_S_5035**	Units: **µg/Kg**	Prep Date:	Run ID: **MS3_040511A**
Client ID: **ZZZZZ**	Batch ID: **R04VS095**	TestNo: **EPA 8260B**		Analysis Date: **5/11/2004**	SeqNo: **563522**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	0	5.0									
Chlorobenzene	0	5.0									
Chloroethane	0	5.0									
Chloroform	0	5.0									
Chloromethane	0	5.0									
cis-1,2-Dichloroethene	0	5.0									
cis-1,3-Dichloropropene	0	5.0									
Cyclohexanone	0	50									
Di-isopropyl ether	0	5.0									
Dibromochloromethane	0	5.0									
Dibromomethane	0	5.0									
Dichlorodifluoromethane	0	5.0									
Ethyl Acetate	0	50									
Ethyl Ether	0	50									
Ethyl Tert-butyl ether	0	5.0									
Ethylbenzene	0	5.0									
Freon-113	0	5.0									
Hexachlorobutadiene	0	5.0									
Iodomethane	0	5.0									
Isopropylbenzene	0	5.0									
m,p-Xylene	0	5.0									
Methylene chloride	0	5.0									
MTBE	0	5.0									
n-Butylbenzene	0	5.0									
n-Propylbenzene	0	5.0									
Naphthalene	0	5.0									
o-Xylene	0	5.0									
sec-Butylbenzene	0	5.0									
Styrene	0	5.0									
Tert-amyl methyl ether	0	5.0									

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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: R04VS095

Sample ID R040511MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS3_040511A
Client ID: ZZZZZ	Batch ID: R04VS095	TestNo: EPA 8260B		Analysis Date: 5/11/2004	SeqNo: 563522

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tert-Butanol	0	100									
tert-Butylbenzene	0	5.0									
Tetrachloroethene	0	5.0									
Toluene	0	5.0									
trans-1,2-Dichloroethene	0	5.0									
trans-1,3-Dichloropropene	0	5.0									
Trichloroethene	0	5.0									
Trichlorofluoromethane	0	5.0									
Vinyl acetate	0	50									
Vinyl chloride	0	5.0									
Xylenes, Total	0	10									

Sample ID R040511LC1	SampType: LCS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS3_040511A
Client ID: ZZZZZ	Batch ID: R04VS095	TestNo: EPA 8260B		Analysis Date: 5/11/2004	SeqNo: 563519

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	118.5	5.0	100	0	118	73	138	0	0		
Benzene	118.5	5.0	100	0	118	77	128	0	0		
Chlorobenzene	119.5	5.0	100	0	120	79	120	0	0		
MTBE	116.8	5.0	100	0	117	47	142	0	0		
Toluene	117.3	5.0	100	0	117	79	126	0	0		
Trichloroethene	123	5.0	100	0	123	76	125	0	0		

Sample ID 068886-010AMS	SampType: MS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS3_040511A
Client ID: EXC-1-3	Batch ID: R04VS095	TestNo: EPA 8260B		Analysis Date: 5/11/2004	SeqNo: 563520

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	98.88	5.0	100	0	98.9	49	141	0	0		
Benzene	196.6	5.0	100	60.19	136	48	143	0	0		
Chlorobenzene	103.9	5.0	100	0	104	27	144	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike/Surrogate outside limits due to matrix interference
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO - Surrogate diluted out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: R04VS095

Sample ID 068886-010AMS	SampType: MS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS3_040511A
Client ID: EXC-1-3	Batch ID: R04VS095	TestNo: EPA 8260B		Analysis Date: 5/11/2004	SeqNo: 563520

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	104.8	5.0	100	0	105	32	173	0	0		
Toluene	146.6	5.0	100	38.31	108	53	140	0	0		
Trichloroethene	106.8	5.0	100	0	107	55	146	0	0		

Sample ID 068886-010AMSD	SampType: MSD	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS3_040511A
Client ID: EXC-1-3	Batch ID: R04VS095	TestNo: EPA 8260B		Analysis Date: 5/11/2004	SeqNo: 563521

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	98.35	5.0	100	0	98.4	49	141	98.88	0.537	30	
Benzene	134.9	5.0	100	60.19	74.8	48	143	196.6	37.2	30	R
Chlorobenzene	98.14	5.0	100	0	98.1	27	144	103.9	5.67	30	
MTBE	106.5	5.0	100	0	106	32	173	104.8	1.58	30	
Toluene	119.6	5.0	100	38.31	81.3	53	140	146.6	20.3	30	
Trichloroethene	101.8	5.0	100	0	102	55	146	106.8	4.85	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike/Surrogate outside limits due to matrix interference
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
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H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: R04VS099

Sample ID **R040514MB2**	SampType: **MBLK**	TestCode: **8260_S**	Units: **µg/Kg**	Prep Date:		Run ID: **MS3_040514A**	
Client ID: **ZZZZZ**	Batch ID: **R04VS099**	TestNo: **EPA 8260B**		Analysis Date: **5/14/2004**		SeqNo: **564650**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Butanone	ND	50									
2-Chloroethyl vinyl ether	ND	5.0									
2-Chlorotoluene	ND	5.0									
2-Hexanone	ND	50									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
4-Methyl-2-pentanone	ND	50									
Acetone	ND	50									
Acrolein	ND	50									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO - Surrogate diluted out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: R04VS099

Sample ID **R040514MB2**	SampType: **MBLK**	TestCode: **8260_S**	Units: **µg/Kg**	Prep Date:		Run ID: **MS3_040514A**	
Client ID: **ZZZZZ**	Batch ID: **R04VS099**	TestNo: **EPA 8260B**		Analysis Date: **5/14/2004**		SeqNo: **564650**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrylonitrile	ND	50									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromochloromethane	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon disulfide	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Cyclohexanone	ND	50									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl Acetate	ND	50									
Ethyl Ether	ND	50									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Freon-113	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Iodomethane	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	5.0									
Methylene chloride	ND	5.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike/Surrogate outside limits due to matrix interference
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO - Surrogate diluted out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: R04VS099

Sample ID R040514MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_040514A
Client ID: ZZZZZ	Batch ID: R04VS099	TestNo: EPA 8260B		Analysis Date: 5/14/2004	SeqNo: 564650

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
trans-1,3-Dichloropropene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl acetate	ND	50									
Vinyl chloride	ND	5.0									
Xylenes, Total	ND	10									

Sample ID R040514LC1	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_040514A
Client ID: ZZZZZ	Batch ID: R04VS099	TestNo: EPA 8260B		Analysis Date: 5/14/2004	SeqNo: 564647

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	95.52	5.0	100	0	95.5	73	138	0	0		
Benzene	102.9	5.0	100	0	103	77	128	0	0		
Chlorobenzene	108.4	5.0	100	0	108	79	120	0	0		
MTBE	108.5	5.0	100	0	109	47	142	0	0		
Toluene	103.3	5.0	100	0	103	79	126	0	0		
Trichloroethene	111	5.0	100	0	111	76	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike/Surrogate outside limits due to matrix interference
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO - Surrogate diluted out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068886
Project: 11719 WOODSIDE AVE, 9429-06-02

ANALYTICAL QC SUMMARY REPORT

BatchID: R04VS099

Sample ID R040514MB2MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_040514A
Client ID: ZZZZZ	Batch ID: R04VS099	TestNo: EPA 8260B		Analysis Date: 5/14/2004	SeqNo: 564648

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	84.74	5.0	100	0	84.7	49	141	0	0		
Benzene	105.3	5.0	100	0	105	48	143	0	0		
Chlorobenzene	110.3	5.0	100	0	110	27	144	0	0		
MTBE	105.8	5.0	100	0	106	32	173	0	0		
Toluene	105.4	5.0	100	0	105	53	140	0	0		
Trichloroethene	113.4	5.0	100	0	113	55	146	0	0		

Sample ID R040514MB2MSD	SampType: MSD	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_040514A
Client ID: ZZZZZ	Batch ID: R04VS099	TestNo: EPA 8260B		Analysis Date: 5/14/2004	SeqNo: 564649

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	82.27	5.0	100	0	82.3	49	141	84.74	2.96	30	
Benzene	102.1	5.0	100	0	102	48	143	105.3	3.12	30	
Chlorobenzene	106.5	5.0	100	0	107	27	144	110.3	3.48	30	
MTBE	111.4	5.0	100	0	111	32	173	105.8	5.10	30	
Toluene	102.3	5.0	100	0	102	53	140	105.4	2.99	30	
Trichloroethene	109.4	5.0	100	0	109	55	146	113.4	3.55	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike/Surrogate outside limits due to matrix interference
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO - Surrogate diluted out
H - Sample exceeded holding time

AmeriSci Job #: **904051136**

Client Name: Advanced Technology Laboratories

Table I
Summary of Bulk Asbestos Analysis Results

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	Asbestos by PLM/DS	Asbestos by TEM
01	068886-011C/EXC-1-4		---	---	----	---	NVA	NA

Reviewed by:_____; Analyzed By: Raymundo Orozco_____; Date Analyzed: 5/17/04

Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represent results for Qualitative PLM or TEM Analysis only(no accreditation coverage available from any regulatory ag qualitative analyses);

NA = not analyzed; Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. Quantitative Analysis (Semi/Full): Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 763 (NVLAP Lab #200346-0); TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

Advanced Technology Laboratorie
3275 Walnut Avenue
Signal Hill, CA 90755-5225
(562) 989-4045

CHAIN-OF-CUSTODY RECORD

9040511136

QClevel: RTNE

Subcontractor:
AmeriSci Los Angeles
24416 South Main Street, Suite 308
Carson, CA 90745

TEL: (310) 834-4868
FAX: (310) 834-4772

Acct #:

10-May-04

Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests: Asb_PLM						
068886-011C \ EXC-1-4	Soil	5/7/04	4OZG	1						

Comments: Please use PO#: 051004SC1 Please fax results. Normal TAT. For inquiries, call Diane.

	Date/Time		Date/Time
Relinquished by: Beth M. Kramer	5/11/04 1450	**Received by:**	5-11-04 1720
Relinquished by:	5-11-04 1720	**Received by:**	5/11/04 17:20

CHAIN OF CUSTODY RECORD

Pg 1 of 2

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: BA Date: 05/10/04

Method of Transport: Client ☑ ATL ☐ CA OverN ☐ FEDEX ☐ Other: _____

Sample Condition Upon Receipt
1. CHILLED Y ☑ N ☐ (in) 4. SEALED Y ☐ N ☑
2. HEADSPACE (VOA) Y ☐ N ☐ 5. # OF SPLS MATCH COC Y ☐ N ☐
3. CONTAINER INTACT Y ☑ N ☐ 6. PRESERVED Y ☐ N ☐

Client: GEOCON ENVIRONMENTAL
Attn: LINDA KUOG
Address: 6970 Flanders Drive
City: San Diego State: CA Zip Code: 92121
TEL: (858) 558-6100
FAX: (858) 558-8437

Project Name: 11719 WOODSIDE AVE Project #: 9429-06-02
Sampler: (Printed Name) CGB (Signature)

Relinquished by: (Signature and Printed Name) Chad Beard Date: 5/7/04 Time: 4:45
Received by: (Signature and Printed Name) Alan Essamili Date: 5/7 Time: 445

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: 051004 Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Chad Beard 5/7/04 (Print Name / Date)
Signature

Send Report To:
Attn: _____
Co: Client
Address _____
City _____ State _____ Zip _____

Bill To:
Attn: _____
Co: Client
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides) | 8082 (PCB) | 8260B (Volatiles) | 8270C (BNA) | 6010B (Total Metal) | 8015B (GRO) / BTEX | 8015B (DRO) | TPHEXT

SPECIFY APPROPRIATE MATRIX: SOIL | WATER | GROUND WATER | WASTEWATER

QA/QC: RTNE ☒ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	0685886-001	TN-1-5	5/7	9:50		6	1 J 6	C	hold
	-002	TN-1-6		9:55					hold
	-003	TN-1-7		10:00					hold
	-004	TN-1-8		10:04					
	-005	TW-1-5		10:10					hold
	-006	TW-1-6		10:17					
	-007	TS-1-5		10:20					hold
	-008	TS-1-7		10:25					
	-009	~~TS-1-3~~ TI-WATER		10:40		6	V 6 H		
	↓	~~TS-1-4~~ TI-WATER		10:40		1	L A C		

- TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter

CHAIN OF CUSTODY RECORD

Pg 2 of 12

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: BA Date: 05/10/04

Method of Transport: Client ☑ ATL ☐ CA OverN ☐ FEDEX ☐ Other: _____

Sample Condition Upon Receipt:
1. CHILLED Y ☑ N ☐ 4. SEALED Y ☐ N ☑
2. HEADSPACE (VOA) Y ☐ N ☐ 5. # OF SPLS MATCH COC Y ☑ N ☐
3. CONTAINER INTACT Y ☑ N ☐ 6. PRESERVED Y ☐ N ☐

Client: GEOCON ENVIRONMENTAL
Attn: LINDA KUNG
Address: 6970 Flanders Drive
City: San Diego State: CA Zip Code: 92121
TEL: (858) 558-6100
FAX: (858) 558-8437

Project Name: 11719 WOODSIDE AVE Project #: 9425-06-02
Sampler: (Printed Name) CGB (Signature)

Relinquished by: (Signature and Printed Name) Chad Beard Date: 5/7/04 Time: 4:45
Received by: (Signature and Printed Name) Alan Escamilla Date: 5/7 Time: 945

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: 051004 Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Chad Beard 5/7/04
Print Name Date
Signature

Send Report To:
Attn: _____
Co: Client
Address _____
City _____ State _____ Zip _____

Bill To:
Attn: _____
Co: Client
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / BTEX	8015B (DRO)	TRIG EXT ASBESTOS PLM	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	068886-010	EXC-1-3	5/7	11:00		X				X			X				E	1	J G	C	
	-011	EXC-1-4		11:10	X	X	X	X		X	X						1	6	J G	C	
	-012	EXC-2-5		11:30		X				X								1	J G	C	
	-013	EXC-3-5		12:00		X				X								1	J G	C	
	-014	EXC-4-5		12:30		X				X											

Q A / Q C: RTNE ☒ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

- TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C (AC) O=NaOH T=$Na_2S_2O_3$

Container(s): T= V= L= P= J= G= P= M=al

To: CARMEN ~~CHAD BEARD~~

CHAIN OF CUSTODY RECORD

Pg 1 of 2

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: BA Date: 051004

Method of Transport: Client ☑ ATL ☐ CA OverN ☐ FEDEX ☐ Other: _____

Sample Condition Upon Receipt: 1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐ 3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: GEOCON ENVIRONMENTAL | Address: 6970 Flanders Drive | TEL: (858) 558-6100

Attn: LINDA KUOG | City: San Diego | State: CA | Zip Code: 92121 | FAX: (858) 558-8437

Project Name: 11719 WOODSIDE AVE Project #: 9489-06-02 Sampler: (Printed Name) CB (Signature)

Relinquished by: (Signature and Printed Name) CHAD BEARD Date: 5/7/04 Time: 4:45 Received by: (Signature and Printed Name) Alan Cabanilla Date: 5/7 Time: 445

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: 050804 Time:

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: CHAD BEARD 5/7/04 (Print Name / Date / Signature)

Send Report To: Attn: _____ Co: Client Address: _____ City _____ State _____ Zip _____

Bill To: Attn: _____ Co: Client Address: _____ City _____ State _____ Zip _____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides) | 8082 (PCB) | 8260B (VOA/GC/MS) | 8270C (BNA) | 8015B (TEPH Diesel) | 8015B (GRO) / BTEX | 8015B (DRO) | TPH SX

SPECIFY APPROPRIATE MATRIX: SOIL | WATER | GROUND WATER | WASTEWATER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	TAT	Container(s): #	Type	PRESERVATION
	0488B6-001	TN-1-5	5/1	9:50	6	1	J	C
	-002	TN-1-6		9:55				
	-003	TN-1-7		10:0[illegible]				
	-004	TN-1-8		10:04				
	-005	TW-1-5		10:10				
	-006	TW-1-6		10:17				
	-007	FS-1-5		10:20				
	-008	FS-1-7		10:25				
	-009	~~FB-1-5~~ T-WATER		10:40				
	↓	~~FB-1-6~~ T-WATER		10:50				

QA/QC: RTNE ☒ CT ☐ SWRCB ☐ Logcode _____ OTHER _____ REMARKS: hold / hold / hold / hold

- TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO3 S=H2SO4 C=4°C Z=Zn(AC)2 O=NaOH T=Na2S2O3

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

FROM (TUE) MAY 11 2004 8:52/NO. 6326640157 P 1

MOBILE GEOCHEMISTRY

H&P

June 25, 2004

Ms. Linda Kung
GEOCON Environmental Consultants
6970 Flanders Drive
San Diego, CA 92121-2974

SUBJECT: DATA REPORT – VACANT LOT - WOODSIDE AVENUE - LAKESIDE, CA - GEOCON PROJECT #094290601

H&P Project # GC062104-10

Ms. Kung:

Please find enclosed a data report for the above referenced location. Soil samples were analyzed in DOHS certified mobile laboratory (CERT #1745).

Project Summary

The following analyses were conducted:

- 7 soils for total petroleum hydrocarbons (TPH) by DHS LUFT/8015M Method

The samples were received chilled in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

H&P Mobile GeoChemistry appreciates the opportunity to provide analytical services to GEOCON Environmental Consultants, Inc. on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,

Blayne Hartman

Dr. Blayne Hartman

432 North Cedros Avenue, Solana Beach, California 92075 | 858 793.0401 — Fax 858 793.0404
148 South Vinewood Street, Escondido, California 92029 | 760 735.3208 — Fax 760 735.2469
2373 208th Street, Suite F-1, Torrance, California 90501 | 310 782.2929 — Fax 310 782.2798
www.HandPmg.com | 1-800-834-9888

MOBILE GEOCHEMISTRY

H&P

Geocon Consultants, Inc. 6970 Flanders Drive San Diego CA, 92121-2974	Project: GC062104-10 Project Number: 094290601 Project Manager: Ms. Linda Kung	Reported: 25-Jun-04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GB3-10.5	W406012-01	Soil	16-Jun-04	16-Jun-04
GB4-7.5	W406012-02	Soil	16-Jun-04	16-Jun-04
GB4-10.5	W406012-03	Soil	16-Jun-04	16-Jun-04
GB4-12.5	W406012-04	Soil	16-Jun-04	16-Jun-04
GB4-14.5	W406012-05	Soil	16-Jun-04	16-Jun-04
GB5-7.5	W406012-06	Soil	16-Jun-04	16-Jun-04
GB5-11.5	W406012-07	Soil	16-Jun-04	16-Jun-04

MOBILE GEOCHEMISTRY

H&P

Geocon Consultants, Inc.	Project: GC062104-10	
6970 Flanders Drive	Project Number: 094290601	Reported:
San Diego CA, 92121-2974	Project Manager: Ms. Linda Kung	25-Jun-04

Soil Analyses

H&P Mobile Geochemistry Lab W1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
GB3-10.5 (W406012-01) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Gasoline (C5-C11)	ND	10	mg/kg	1	WF42201	21-Jun-04	21-Jun-04	DHS LUFT	
Diesel (C12-C24)	370	10	"	"	"	"	"	"	
GB4-7.5 (W406012-02) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Gasoline (C5-C11)	ND	10	mg/kg	1	WF42201	21-Jun-04	21-Jun-04	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
GB4-10.5 (W406012-03) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Gasoline (C5-C11)	ND	10	mg/kg	1	WF42201	21-Jun-04	21-Jun-04	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
GB4-12.5 (W406012-04) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Gasoline (C5-C11)	ND	10	mg/kg	1	WF42201	21-Jun-04	21-Jun-04	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
GB4-14.5 (W406012-05) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Gasoline (C5-C11)	ND	10	mg/kg	1	WF42201	21-Jun-04	21-Jun-04	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
GB5-7.5 (W406012-06) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Gasoline (C5-C11)	ND	10	mg/kg	1	WF42201	21-Jun-04	21-Jun-04	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
GB5-11.5 (W406012-07) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Gasoline (C5-C11)	ND	10	mg/kg	1	WF42201	21-Jun-04	21-Jun-04	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	

Blayne Hartman
7-1-04

MOBILE GEOCHEMISTRY

H&P

Geocon Consultants, Inc. 6970 Flanders Drive San Diego CA, 92121-2974	Project: GC062104-10 Project Number: 094290601 Project Manager: Ms. Linda Kung	Reported: 25-Jun-04

Soil Analyses - Quality Control

H&P Mobile Geochemistry Lab W1

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch WF42201 - Freon Extraction										
Blank (WF42201-BLK1)				Prepared & Analyzed: 21-Jun-04						
Gasoline (C5-C11)	ND	10	mg/kg							
Diesel (C12-C24)	ND	10	"							
Matrix Spike (WF42201-MS1)		Source: W406012-02		Prepared & Analyzed: 21-Jun-04						
Gasoline (C5-C11)	227	10	mg/kg	200	ND	114	67-125			
Diesel (C12-C24)	486	10	"	500	ND	97.2	67-125			
Matrix Spike Dup (WF42201-MSD1)		Source: W406012-02		Prepared & Analyzed: 21-Jun-04						
Gasoline (C5-C11)	211	10	mg/kg	200	ND	106	67-125	7.31	30	
Diesel (C12-C24)	496	10	"	500	ND	99.2	67-125	2.04	30	

MOBILE GEOCHEMISTRY

H&P

Geocon Consultants, Inc.	Project: GC062104-10	
6970 Flanders Drive	Project Number: 094290601	Reported:
San Diego CA, 92121-2974	Project Manager: Ms. Linda Kung	25-Jun-04

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

040544.01

148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

Date: JUNE 16, 2004
H&P Project # GC061604-L3
Outside Lab: GC062104-10

Client: GEOCON
Address: 6970 FLANDERS DR
SAN DIEGO, CA 92121-2974
Phone: 858-558-6100 x 229 Fax: 858-558-8437

Collector: ERIN MURRAY
Client Project # 094290601
Location: WOODSIDE AVE, VACANT LOT, LAKESIDE
Turn around time: ON SITE

Page: 1 Of 3
Project Manager LINDA L KUNG

Global ID: _____ EDF: Yes / No

⊗ added per client request 6/18 fax

Sample Receipt
Intact: ☒ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☒ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOC's	8260B: VOC's and Oxygenates	Methane	Fixed Gases	Total # of cont.
GB1-6.5		6.5	1058	6/16/04	SOIL	METAL SLEEVE	X		X									1
GB1-8.5		8.5	1104				X		X									1
GB1-10.5		10.5	1112				X		X									1
GB1-12.5		12.5	1118				X		X									1
GB1-16		16	1126				X		X									1
GB1-19		19	1135				X		X									1
GB2-6.5		6.5	1200				X		~~X~~	8021 6-16								1
GB2-8.5		8.5	1206				X		~~X~~	8021 6-16								1
GB2-10.5		10.5	1213				X		~~X~~	8021 6-16								1
GB2-12		12	1241				X											1
GB2-16.5		16.5	1248				X											1
GB3-6		6	1323		3 SOIL 6-16	HOLD PER CLIENT	~~X~~	← RUN	8021 6-16									1
GB3-8.5		8.5	1332				X											1
GB3-10.5		10.5	1341				⊗											1

CANCEL PER CLIENT

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company) H&P MOBILE GEOCHEM	Date: 6/16/04	Time: 1650
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company) H&P	Date: 6/21/04	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☒ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☐ 2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

Date: JUNE 16, 2004
H&P Project # GC061604-L3
Outside Lab:

Client: GEOCON
Address: 6970 FLANDERS DR LIVE
SAN DIEGO, CA 92121-2974
Phone: 858-558-6100 x 227 fax: 858-558-8437

Collector: ERIN MURRAY
Client Project # 094290601
Location: WOODSIDE AVE, VACANT LOT, LAKESIDE
Turn around time: ON SITE

Page: 2 Of 3
Project Manager LINDA L KUNG

Global ID:
EDF: Yes / No

Sample Receipt
Intact: ☒ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☒ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOC's	8260B: VOC's and Oxygenates	Methane	Fixed Gases						Total # of containers
GB3-12		12	1353	6/16/04	SOIL	METAL SLEEVE																	1
GB3-16		16	1403				X		X														1
GB3-19.5		19.5	1412				X																1
GB4-6.5		6.5	1436																				1
GB4-7.5		7.5	1444				⊗																1
GB4-10.5		10.5	1450				⊗																1
GB4-12.5		12.5	1500				⊗																1
GB4-14.5		14.5	1506				⊗																1
GB4-19.5		19.5	1516				X																1
GB2-19.5		19.5	1257				X																1
GB5-6		6	1615																				1
GB5-7.5		7.5	1625				⊗																1
GB5-9.5		9.5	1630																				1
GB5-11.5		11.5	1641				⊗																1

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: 6/16/04 Time: 1650
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: 6/21/04 Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

06 July 2004

Ms. Linda L. Kung
Geocon Consultants, Inc.
6970 Flanders Drive
San Diego, CA 92121-2974
RE: GC061604-L3

Enclosed are the results of analyses for samples received by the laboratory on 6/16/2004 -6/17/2004 . If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tamara Davis

Tamara Davis
Laboratory Director

H&P Mobile Geochemistry operates under CA Environmental Lab Accreditation Program Numbers 1317, 1561, 1667, 1745, 1746, 1839, 2088, 2278, 2530 and 2543.

432 North Cedros Avenue, Solana Beach, California 92075 | 858 793.0401 — Fax 858 793.0404
148 South Vinewood Street, Escondido, California 92029 | 760 735.3208 — Fax 760 735.2469
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MOBILE GEOCHEMISTRY

H&P

Geocon Consultants, Inc.	Project: GC061604-L3	
6970 Flanders Drive	Project Number: 094290601 / Woodside Ave.	Reported:
San Diego CA, 92121-2974	Project Manager: Ms. Linda L. Kung	06-Jul-04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GB1-6.5	3406021-01	Soil	16-Jun-04	16-Jun-04
GB1-8.5	3406021-02	Soil	16-Jun-04	16-Jun-04
GB1-10.5	3406021-03	Soil	16-Jun-04	16-Jun-04
GB1-12.5	3406021-04	Soil	16-Jun-04	16-Jun-04
GB1-16	3406021-05	Soil	16-Jun-04	16-Jun-04
GB1-19	3406021-06	Soil	16-Jun-04	16-Jun-04
GB2-6.5	3406021-07	Soil	16-Jun-04	16-Jun-04
GB2-8.5	3406021-08	Soil	16-Jun-04	16-Jun-04
GB2-10.5	3406021-09	Soil	16-Jun-04	16-Jun-04
GB2-12	3406021-10	Soil	16-Jun-04	16-Jun-04
GB2-16.5	3406021-11	Soil	16-Jun-04	16-Jun-04
GB2-19.5	3406021-12	Soil	16-Jun-04	16-Jun-04
GB3-6	3406021-13	Soil	16-Jun-04	16-Jun-04
GB3-8.5	3406021-14	Soil	16-Jun-04	16-Jun-04
GB3-16	3406021-17	Soil	16-Jun-04	16-Jun-04
GB3-19.5	3406021-18	Soil	16-Jun-04	16-Jun-04
GB4-19.5	3406021-24	Soil	16-Jun-04	16-Jun-04
GB5-15.5	3406021-29	Soil	16-Jun-04	16-Jun-04
GB5-19.5	3406021-30	Soil	16-Jun-04	16-Jun-04
GB6-19	3406022-01	Soil	17-Jun-04	17-Jun-04
GB6-16.5	3406022-02	Soil	17-Jun-04	17-Jun-04
GB6-12.5	3406022-03	Soil	17-Jun-04	17-Jun-04
GB6-9.5	3406022-04	Soil	17-Jun-04	17-Jun-04
GB6-8.5	3406022-05	Soil	17-Jun-04	17-Jun-04
GB6-6.5	3406022-06	Soil	17-Jun-04	17-Jun-04
GB7-19.5	3406022-07	Soil	17-Jun-04	17-Jun-04
GB7-16.5	3406022-08	Soil	17-Jun-04	17-Jun-04
GB7-11.5	3406022-09	Soil	17-Jun-04	17-Jun-04

MOBILE GEOCHEMISTRY

H&P

Geocon Consultants, Inc.	Project: GC061604-L3	
6970 Flanders Drive	Project Number: 094290601 / Woodside Ave.	Reported:
San Diego CA, 92121-2974	Project Manager: Ms. Linda L. Kung	06-Jul-04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GB7-9.5	3406022-10	Soil	17-Jun-04	17-Jun-04
GB7-8	3406022-11	Soil	17-Jun-04	17-Jun-04
GB8-8.5	3406022-14	Soil	17-Jun-04	17-Jun-04
GB8-11.5	3406022-16	Soil	17-Jun-04	17-Jun-04
GB8-16.5	3406022-17	Soil	17-Jun-04	17-Jun-04
GB8-19.0	3406022-18	Soil	17-Jun-04	17-Jun-04
GB9-6.5	3406022-19	Soil	17-Jun-04	17-Jun-04
GB9-8.5	3406022-20	Soil	17-Jun-04	17-Jun-04
GB9-10.5	3406022-21	Soil	17-Jun-04	17-Jun-04
GB9-12.5	3406022-22	Soil	17-Jun-04	17-Jun-04
GB9-16.5	3406022-23	Soil	17-Jun-04	17-Jun-04
GB9-19.5	3406022-24	Soil	17-Jun-04	17-Jun-04

MOBILE GEOCHEMISTRY

H&P

Geocon Consultants, Inc.	Project: GC061604-L3	
6970 Flanders Drive	Project Number: 094290601 / Woodside Ave.	Reported:
San Diego CA, 92121-2974	Project Manager: Ms. Linda L. Kung	06-Jul-04

TPH by GC FID

H&P Mobile Geochemistry Lab L3

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
GB1-6.5 (3406021-01) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Diesel (C12-C24)	11	10	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	DHS LUFT/8015M	D-06
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
GB1-8.5 (3406021-02) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Diesel (C12-C24)	ND	10	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	DHS LUFT/8015M	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
GB1-10.5 (3406021-03) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Diesel (C12-C24)	21	10	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	DHS LUFT/8015M	D-06
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
GB1-12.5 (3406021-04) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Diesel (C12-C24)	ND	10	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	DHS LUFT/8015M	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
GB1-16 (3406021-05) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Diesel (C12-C24)	ND	10	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	DHS LUFT/8015M	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
GB1-19 (3406021-06) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Diesel (C12-C24)	ND	10	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	DHS LUFT/8015M	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
GB2-6.5 (3406021-07) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Diesel (C12-C24)	ND	10	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	DHS LUFT/8015M	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	

MOBILE GEOCHEMISTRY

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Geocon Consultants, Inc. 6970 Flanders Drive San Diego CA, 92121-2974	Project: GC061604-L3 Project Number: 094290601 / Woodside Ave. Project Manager: Ms. Linda L. Kung	Reported: 06-Jul-04

TPH by GC FID

H&P Mobile Geochemistry Lab L3

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
GB2-8.5 (3406021-08) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Diesel (C12-C24)	ND	10	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	DHS LUFT/8015M	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
GB2-10.5 (3406021-09) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Diesel (C12-C24)	ND	10	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	DHS LUFT/8015M	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
GB2-12 (3406021-10) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Diesel (C12-C24)	ND	10	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	DHS LUFT/8015M	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
GB2-16.5 (3406021-11) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Diesel (C12-C24)	ND	10	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	DHS LUFT/8015M	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
GB2-19.5 (3406021-12) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Diesel (C12-C24)	ND	10	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	DHS LUFT/8015M	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
GB3-6 (3406021-13) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Diesel (C12-C24)	ND	10	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	DHS LUFT/8015M	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
GB3-8.5 (3406021-14) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Diesel (C12-C24)	49	10	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	DHS LUFT/8015M	D-06
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	

MOBILE GEOCHEMISTRY

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Geocon Consultants, Inc.	Project: GC061604-L3	
6970 Flanders Drive	Project Number: 094290601 / Woodside Ave.	Reported:
San Diego CA, 92121-2974	Project Manager: Ms. Linda L. Kung	06-Jul-04

TPH by GC FID

H&P Mobile Geochemistry Lab L3

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
GB3-16 (3406021-17) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Diesel (C12-C24)	51	10	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	DHS LUFT/8015M	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
GB3-19.5 (3406021-18) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Diesel (C12-C24)	13	10	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	DHS LUFT/8015M	D-06
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
GB4-19.5 (3406021-24) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Diesel (C12-C24)	ND	10	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	DHS LUFT/8015M	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
GB5-15.5 (3406021-29) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Diesel (C12-C24)	ND	10	mg/kg	1	3G40201	28-Jun-04	28-Jun-04	DHS LUFT/8015M	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	
GB5-19.5 (3406021-30) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Diesel (C12-C24)	ND	10	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	DHS LUFT/8015M	
Gasoline (C5-C11)	ND	10	"	"	"	"	"	"	

MOBILE GEOCHEMISTRY

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Geocon Consultants, Inc.	Project: GC061604-L3	
6970 Flanders Drive	Project Number: 094290601 / Woodside Ave.	Reported:
San Diego CA, 92121-2974	Project Manager: Ms. Linda L. Kung	06-Jul-04

BTEX by 8021B

H&P Mobile Geochemistry Lab L3

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
GB1-6.5 (3406021-01RE1) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Benzene	ND	0.05	mg/kg	1	3G40203	28-Jun-04	28-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.0 %*		*75-125*		"	"	"	
GB1-8.5 (3406021-02) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*107 %*		*75-125*		"	*16-Jun-04*	"	
GB1-10.5 (3406021-03) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Benzene	ND	0.05	mg/kg	1	3G40204	29-Jun-04	29-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*107 %*		*75-125*		"	"	"	
GB1-12.5 (3406021-04) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*94.0 %*		*75-125*		"	*16-Jun-04*	"	

MOBILE GEOCHEMISTRY

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Geocon Consultants, Inc.	Project: GC061604-L3	
6970 Flanders Drive	Project Number: 094290601 / Woodside Ave.	Reported:
San Diego CA, 92121-2974	Project Manager: Ms. Linda L. Kung	06-Jul-04

BTEX by 8021B

H&P Mobile Geochemistry Lab L3

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
GB1-16 (3406021-05) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.0 %*	*75-125*		"	"	*16-Jun-04*	"	
GB1-19 (3406021-06) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98.6 %*	*75-125*		"	"	*16-Jun-04*	"	
GB3-16 (3406021-17) Soil Sampled: 16-Jun-04 Received: 16-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41603	16-Jun-04	16-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*122 %*	*75-125*		"	"	*16-Jun-04*	"	
GB6-19 (3406022-01) Soil Sampled: 17-Jun-04 Received: 17-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41701	17-Jun-04	17-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*94.0 %*	*75-125*		"	"	*17-Jun-04*	"	

MOBILE GEOCHEMISTRY

H&P

Geocon Consultants, Inc.	Project: GC061604-L3	
6970 Flanders Drive	Project Number: 094290601 / Woodside Ave.	Reported:
San Diego CA, 92121-2974	Project Manager: Ms. Linda L. Kung	06-Jul-04

BTEX by 8021B

H&P Mobile Geochemistry Lab L3

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
GB6-16.5 (3406022-02) Soil Sampled: 17-Jun-04 Received: 17-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41701	17-Jun-04	17-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*111 %*		*75-125*	"	"	*17-Jun-04*	"	
GB6-12.5 (3406022-03) Soil Sampled: 17-Jun-04 Received: 17-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41701	17-Jun-04	17-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.0 %*		*75-125*	"	"	*17-Jun-04*	"	
GB6-9.5 (3406022-04) Soil Sampled: 17-Jun-04 Received: 17-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41701	17-Jun-04	17-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.0 %*		*75-125*	"	"	*17-Jun-04*	"	
GB6-8.5 (3406022-05) Soil Sampled: 17-Jun-04 Received: 17-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41701	17-Jun-04	17-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*84.0 %*		*75-125*	"	"	*17-Jun-04*	"	

MOBILE GEOCHEMISTRY

H&P

Geocon Consultants, Inc.	Project: GC061604-L3	
6970 Flanders Drive	Project Number: 094290601 / Woodside Ave.	Reported:
San Diego CA, 92121-2974	Project Manager: Ms. Linda L. Kung	06-Jul-04

BTEX by 8021B

H&P Mobile Geochemistry Lab L3

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
GB6-6.5 (3406022-06) Soil Sampled: 17-Jun-04 Received: 17-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41701	17-Jun-04	17-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*113 %*	*75-125*		"	"	*17-Jun-04*	"	
GB7-19.5 (3406022-07) Soil Sampled: 17-Jun-04 Received: 17-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41701	17-Jun-04	17-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*114 %*	*75-125*		"	"	*17-Jun-04*	"	
GB7-16.5 (3406022-08) Soil Sampled: 17-Jun-04 Received: 17-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41701	17-Jun-04	17-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.0 %*	*75-125*		"	"	*17-Jun-04*	"	
GB7-11.5 (3406022-09) Soil Sampled: 17-Jun-04 Received: 17-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41701	17-Jun-04	17-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*82.0 %*	*75-125*		"	"	*17-Jun-04*	"	

MOBILE GEOCHEMISTRY

H&P

Geocon Consultants, Inc.	Project: GC061604-L3	
6970 Flanders Drive	Project Number: 094290601 / Woodside Ave.	Reported:
San Diego CA, 92121-2974	Project Manager: Ms. Linda L. Kung	06-Jul-04

BTEX by 8021B

H&P Mobile Geochemistry Lab L3

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
GB7-9.5 (3406022-10) Soil Sampled: 17-Jun-04 Received: 17-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41701	17-Jun-04	17-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*118 %*		*75-125*		"	*17-Jun-04*	"	
GB7-8 (3406022-11) Soil Sampled: 17-Jun-04 Received: 17-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41701	17-Jun-04	17-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*84.0 %*		*75-125*		"	*17-Jun-04*	"	
GB8-8.5 (3406022-14) Soil Sampled: 17-Jun-04 Received: 17-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41701	17-Jun-04	17-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*123 %*		*75-125*		"	*17-Jun-04*	"	
GB8-11.5 (3406022-16) Soil Sampled: 17-Jun-04 Received: 17-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41701	17-Jun-04	17-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98.0 %*		*75-125*		"	*17-Jun-04*	"	

MOBILE GEOCHEMISTRY

H&P

Geocon Consultants, Inc.	Project: GC061604-L3	
6970 Flanders Drive	Project Number: 094290601 / Woodside Ave.	Reported:
San Diego CA, 92121-2974	Project Manager: Ms. Linda L. Kung	06-Jul-04

BTEX by 8021B

H&P Mobile Geochemistry Lab L3

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
GB8-16.5 (3406022-17) Soil Sampled: 17-Jun-04 Received: 17-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41701	17-Jun-04	17-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*91.0 %*		*75-125*		"	*17-Jun-04*	"	
GB8-19.0 (3406022-18) Soil Sampled: 17-Jun-04 Received: 17-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41701	17-Jun-04	17-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*114 %*		*75-125*		"	"	"	
GB9-6.5 (3406022-19) Soil Sampled: 17-Jun-04 Received: 17-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41701	17-Jun-04	17-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*79.0 %*		*75-125*		"	"	"	
GB9-8.5 (3406022-20) Soil Sampled: 17-Jun-04 Received: 17-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41701	17-Jun-04	17-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.0 %*		*75-125*		"	"	"	

MOBILE GEOCHEMISTRY

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Geocon Consultants, Inc.	Project: GC061604-L3	
6970 Flanders Drive	Project Number: 094290601 / Woodside Ave.	Reported:
San Diego CA, 92121-2974	Project Manager: Ms. Linda L. Kung	06-Jul-04

BTEX by 8021B

H&P Mobile Geochemistry Lab L3

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
GB9-10.5 (3406022-21) Soil Sampled: 17-Jun-04 Received: 17-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41701	17-Jun-04	17-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*107 %*	*75-125*		"	"	"	"	
GB9-12.5 (3406022-22) Soil Sampled: 17-Jun-04 Received: 17-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41701	17-Jun-04	17-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*77.0 %*	*75-125*		"	"	"	"	
GB9-16.5 (3406022-23) Soil Sampled: 17-Jun-04 Received: 17-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41701	17-Jun-04	17-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*94.0 %*	*75-125*		"	"	"	"	
GB9-19.5 (3406022-24) Soil Sampled: 17-Jun-04 Received: 17-Jun-04									
Benzene	ND	0.05	mg/kg	1	3F41701	17-Jun-04	17-Jun-04	EPA 8021B	
Toluene	ND	0.05	"	"	"	"	"	"	
Ethylbenzene	ND	0.05	"	"	"	"	"	"	
Xylenes (total)	ND	0.15	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*79.0 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY

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Geocon Consultants, Inc.	Project: GC061604-L3	
6970 Flanders Drive	Project Number: 094290601 / Woodside Ave.	Reported:
San Diego CA, 92121-2974	Project Manager: Ms. Linda L. Kung	06-Jul-04

TPH by GC FID - Quality Control
H&P Mobile Geochemistry Lab L3

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3F41603 - LUFT-DHS										
Blank (3F41603-BLK1)				Prepared & Analyzed: 16-Jun-04						
Diesel (C12-C24)	ND	10	mg/kg							
Gasoline (C5-C11)	ND	10	"							
Matrix Spike (3F41603-MS1)		Source: 3406021-01		Prepared & Analyzed: 16-Jun-04						
Diesel (C12-C24)	249	10	mg/kg	251	11	94.8	67-125			
Gasoline (C5-C11)	144	10	"	151	ND	95.4	67-125			
Matrix Spike Dup (3F41603-MSD1)		Source: 3406021-01		Prepared & Analyzed: 16-Jun-04						
Diesel (C12-C24)	241	10	mg/kg	251	11	91.6	67-125	3.27	30	
Gasoline (C5-C11)	146	10	"	151	ND	96.7	67-125	1.38	30	
Batch 3G40201 - LUFT-DHS										
Blank (3G40201-BLK1)				Prepared & Analyzed: 28-Jun-04						
Diesel (C12-C24)	ND	10	mg/kg							
Gasoline (C5-C11)	ND	10	"							
Matrix Spike (3G40201-MS1)		Source: 3407003-04		Prepared & Analyzed: 28-Jun-04						
Diesel (C12-C24)	258	10	mg/kg	251	ND	103	67-125			
Gasoline (C5-C11)	159	10	"	151	ND	105	67-125			
Matrix Spike (3G40201-MS2)		Source: 3407002-06		Prepared & Analyzed: 28-Jun-04						
Diesel (C12-C24)	242	10	mg/kg	251	ND	96.4	67-125			
Gasoline (C5-C11)	147	10	"	151	ND	97.4	67-125			
Matrix Spike Dup (3G40201-MSD1)		Source: 3407003-04		Prepared & Analyzed: 28-Jun-04						
Diesel (C12-C24)	256	10	mg/kg	251	ND	102	67-125	0.778	30	
Gasoline (C5-C11)	146	10	"	151	ND	96.7	67-125	8.52	30	

MOBILE GEOCHEMISTRY

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Geocon Consultants, Inc.	Project: GC061604-L3	
6970 Flanders Drive	Project Number: 094290601 / Woodside Ave.	Reported:
San Diego CA, 92121-2974	Project Manager: Ms. Linda L. Kung	06-Jul-04

TPH by GC FID - Quality Control
H&P Mobile Geochemistry Lab L3

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3G40201 - LUFT-DHS										
Matrix Spike Dup (3G40201-MSD2)	**Source: 3407002-06**			Prepared & Analyzed: 28-Jun-04						
Diesel (C12-C24)	254	10	mg/kg	251	ND	101	67-125	4.84	30	
Gasoline (C5-C11)	153	10	"	151	ND	101	67-125	4.00	30	

MOBILE GEOCHEMISTRY
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Geocon Consultants, Inc.	Project: GC061604-L3	
6970 Flanders Drive	Project Number: 094290601 / Woodside Ave.	Reported:
San Diego CA, 92121-2974	Project Manager: Ms. Linda L. Kung	06-Jul-04

BTEX by 8021B - Quality Control
H&P Mobile Geochemistry Lab L3

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3F41603 - LUFT-DHS										
Blank (3F41603-BLK1)				Prepared & Analyzed: 16-Jun-04						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	"							
Ethylbenzene	ND	0.050	"							
Xylenes (total)	ND	0.150	"							
Matrix Spike (3F41603-MS1)		Source: 3406021-01		Prepared & Analyzed: 16-Jun-04						
Benzene	0.623	0.050	mg/kg	0.500	0.047	115	60-125			
Toluene	0.539	0.050	"	0.500	ND	108	59-125			
Ethylbenzene	0.525	0.050	"	0.500	ND	105	52-125			
Xylenes (total)	1.58	0.150	"	1.50	ND	105	60-127			
Matrix Spike Dup (3F41603-MSD1)		Source: 3406021-01		Prepared & Analyzed: 16-Jun-04						
Benzene	0.547	0.050	mg/kg	0.500	0.047	100	60-125	13.0	30	
Toluene	0.533	0.050	"	0.500	ND	107	59-125	1.12	30	
Ethylbenzene	0.553	0.050	"	0.500	ND	111	52-125	5.19	30	
Xylenes (total)	1.54	0.150	"	1.50	ND	103	60-127	2.56	30	
Batch 3F41701 - LUFT-DHS										
Blank (3F41701-BLK1)				Prepared & Analyzed: 17-Jun-04						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	"							
Ethylbenzene	ND	0.050	"							
Xylenes (total)	ND	0.150	"							
Matrix Spike (3F41701-MS1)		Source: 3406022-18		Prepared & Analyzed: 17-Jun-04						
Benzene	0.137	0.050	mg/kg	0.167	ND	82.0	60-125			
Toluene	0.117	0.050	"	0.167	ND	70.1	59-125			
Ethylbenzene	0.131	0.050	"	0.167	ND	78.4	52-125			
Xylenes (total)	0.380	0.150	"	0.500	ND	76.0	60-127			

MOBILE GEOCHEMISTRY

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Geocon Consultants, Inc.	Project: GC061604-L3	
6970 Flanders Drive	Project Number: 094290601 / Woodside Ave.	Reported:
San Diego CA, 92121-2974	Project Manager: Ms. Linda L. Kung	06-Jul-04

BTEX by 8021B - Quality Control
H&P Mobile Geochemistry Lab L3

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3F41701 - LUFT-DHS										
Matrix Spike (3F41701-MS1)	Source: 3406022-18			Prepared & Analyzed: 17-Jun-04						
Surrogate: a,a,a-Trifluorotoluene	*0.0980*		*mg/kg*	*0.100*		*98.0*	*75-125*			
Matrix Spike (3F41701-MS2)	Source: 3406022-24			Prepared & Analyzed: 17-Jun-04						
Benzene	0.138	0.050	mg/kg	0.167	ND	82.6	60-125			
Toluene	0.126	0.050	"	0.167	ND	75.4	59-125			
Ethylbenzene	0.115	0.050	"	0.167	ND	68.9	52-125			
Xylenes (total)	0.348	0.150	"	0.500	ND	69.6	60-127			
Surrogate: a,a,a-Trifluorotoluene	*0.0780*		"	*0.100*		*78.0*	*75-125*			
Matrix Spike Dup (3F41701-MSD1)	Source: 3406022-18			Prepared & Analyzed: 17-Jun-04						
Benzene	0.156	0.050	mg/kg	0.167	ND	93.4	60-125	13.0	30	
Toluene	0.136	0.050	"	0.167	ND	81.4	59-125	15.0	30	
Ethylbenzene	0.157	0.050	"	0.167	ND	94.0	52-125	18.1	30	
Xylenes (total)	0.522	0.150	"	0.500	ND	104	60-127	31.5	30	A-01
Surrogate: a,a,a-Trifluorotoluene	*0.136*		"	*0.100*		*136*	*75-125*			*A-01a*
Matrix Spike Dup (3F41701-MSD2)	Source: 3406022-24			Prepared & Analyzed: 17-Jun-04						
Benzene	0.137	0.050	mg/kg	0.167	ND	82.0	60-125	0.727	30	
Toluene	0.129	0.050	"	0.167	ND	77.2	59-125	2.35	30	
Ethylbenzene	0.118	0.050	"	0.167	ND	70.7	52-125	2.58	30	
Xylenes (total)	0.349	0.150	"	0.500	ND	69.8	60-127	0.287	30	
Surrogate: a,a,a-Trifluorotoluene	*0.0840*		"	*0.100*		*84.0*	*75-125*			
Batch 3G40203 - LUFT-DHS										
Blank (3G40203-BLK1)				Prepared: 28-Jun-04 Analyzed: 29-Jun-04						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	"							

MOBILE GEOCHEMISTRY
H&P

Geocon Consultants, Inc.	Project: GC061604-L3	
6970 Flanders Drive	Project Number: 094290601 / Woodside Ave.	Reported:
San Diego CA, 92121-2974	Project Manager: Ms. Linda L. Kung	06-Jul-04

BTEX by 8021B - Quality Control
H&P Mobile Geochemistry Lab L3

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3G40203 - LUFT-DHS										
Blank (3G40203-BLK1)				Prepared: 28-Jun-04 Analyzed: 29-Jun-04						
Ethylbenzene	ND	0.050	mg/kg							
Xylenes (total)	ND	0.150	"							
Surrogate: a,a,a-Trifluorotoluene	*0.102*		"	*0.100*		*102*	*75-125*			
Matrix Spike (3G40203-MS1)				Source: 3406021-03RE1 Prepared & Analyzed: 29-Jun-04						
Benzene	5.76	0.050	mg/kg	5.00	ND	115	60-125			
Toluene	5.85	0.050	"	5.00	ND	117	59-125			
Ethylbenzene	5.45	0.050	"	5.00	ND	109	52-125			
Xylenes (total)	17.6	0.150	"	15.0	ND	117	60-127			
Surrogate: a,a,a-Trifluorotoluene	*0.101*		"	*0.100*		*101*	*75-125*			
Matrix Spike Dup (3G40203-MSD1)				Source: 3406021-03RE1 Prepared & Analyzed: 29-Jun-04						
Benzene	6.25	0.050	mg/kg	5.00	ND	125	60-125	8.16	30	
Toluene	5.80	0.050	"	5.00	ND	116	59-125	0.858	30	
Ethylbenzene	5.60	0.050	"	5.00	ND	112	52-125	2.71	30	
Xylenes (total)	17.0	0.150	"	15.0	ND	113	60-127	3.47	30	
Surrogate: a,a,a-Trifluorotoluene	*0.104*		"	*0.100*		*104*	*75-125*			
Batch 3G40204 - LUFT-DHS										
Blank (3G40204-BLK1)				Prepared & Analyzed: 29-Jun-04						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	"							
Ethylbenzene	ND	0.050	"							
Xylenes (total)	ND	0.150	"							
Surrogate: a,a,a-Trifluorotoluene	*0.115*		"	*0.100*		*115*	*75-125*			

MOBILE GEOCHEMISTRY

H&P

Geocon Consultants, Inc.	Project: GC061604-L3	
6970 Flanders Drive	Project Number: 094290601 / Woodside Ave.	Reported:
San Diego CA, 92121-2974	Project Manager: Ms. Linda L. Kung	06-Jul-04

BTEX by 8021B - Quality Control

H&P Mobile Geochemistry Lab L3

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3G40204 - LUFT-DHS										
Matrix Spike (3G40204-MS1)	**Source: 3406021-03**			Prepared & Analyzed: 29-Jun-04						
Benzene	5.76	0.050	mg/kg	5.00	ND	115	60-125			
Toluene	5.85	0.050	"	5.00	ND	117	59-125			
Ethylbenzene	5.45	0.050	"	5.00	ND	109	52-125			
Xylenes (total)	17.6	0.150	"	15.0	ND	117	60-127			
Surrogate: a,a,a-Trifluorotoluene	*0.101*		"	*0.100*		*101*	*75-125*			
Matrix Spike Dup (3G40204-MSD1)	**Source: 3406021-03**			Prepared & Analyzed: 29-Jun-04						
Benzene	6.25	0.050	mg/kg	5.00	ND	125	60-125	8.16	30	
Toluene	5.80	0.050	"	5.00	ND	116	59-125	0.858	30	
Ethylbenzene	5.60	0.050	"	5.00	ND	112	52-125	2.71	30	
Xylenes (total)	17.0	0.150	"	15.0	ND	113	60-127	3.47	30	
Surrogate: a,a,a-Trifluorotoluene	*0.104*		"	*0.100*		*104*	*75-125*			

MOBILE GEOCHEMISTRY

H&P

Geocon Consultants, Inc.	Project: GC061604-L3	
6970 Flanders Drive	Project Number: 094290601 / Woodside Ave.	Reported:
San Diego CA, 92121-2974	Project Manager: Ms. Linda L. Kung	06-Jul-04

Notes and Definitions

A-01	The RPD for this QC spike was outside the recommended percent recovery range. No corrective action taken.
A-01a	The surrogate recovery for this sample is outside of established control limits. No corrective action taken.
D-06	The sample chromatographic pattern does not resemble the fuel standard used for quantitation.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☒ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☐ 2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

Date: JUNE 16, 2004

H&P Project # GC061604-L3

Outside Lab:

Client: GEOCON

Address: 6970 FLANDERS DRIVE
SAN DIEGO, CA 92121-2974

Phone: 858-558-6100 X 229 Fax: 858-558-8437

Collector: ERIN MURRAY

Page: 1 Of 3

Client Project # 09429.0601

Project Manager LINDA L KUNG

Location: WOODSIDE AVE, VACANT LOT, LAKESIDE

Turn around time: ONSITE

Global ID:

EDF: Yes / No

⊗ added per client request 6/18 fax

Sample Receipt

Intact: ☒ Yes ☐ No

Seal Intact: ☐ Yes ☐ No ☒ N/A

Cold: ☐ Yes ☐ No

N/A (Received on Site)

Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOC's	8260B: VOC's and Oxygenates	Methane	Fixed Gases	Total # of containers
GB1-6.5		6.5	1058	6/16/04	SOIL	METAL SLEEVE	X		X									1
GB1-8.5		8.5	1104				X		X									1
GB1-10.5		10.5	1112				X		X									1
GB1-12.5		12.5	1118				X		X									1
GB1-16		16	1126				X		X									1
GB1-19		19	1135				X		X									1
GB2-6.5		6.5	1200				X		X	SEE 6-16								1
GB2-8.5		8.5	1206				X		X	SEE 6-16								1
GB2-10.5		10.5	1213				X		X	SEE 6-16								1
GB2-12		12	1241				X											1
GB2-16.5		16.5	1248				X											1
GB3-6		6	1323		3 SEE 6-16	HOLD PER CLIENT	X		← RUN SEE 6-16									1
GB3-8.5		8.5	1332				X											1
GB3-10.5		10.5	1341	↓	↓	↓	⊗											1

CANCEL PER CLIENT

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: 6/16/04 Time: 1650
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:

H&P MOBILE GEOCHEM

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☒ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☐ 2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

Date: JUNE 16, 2004
H&P Project # GC061604-L3
Outside Lab:

Client: GEOCON
Address: 6970 FLANDERS DRIVE
SAN DIEGO, CA 92121-2974
Phone: 858-558-6100 X 229 Fax: 858-558-8437

Collector: ERIN MURRAY
Client Project # 094290601
Location: WOODSIDE AVE, VACANT LOT, LAKESIDE
Turn around time: ON SITE

Page: 2 Of 3
Project Manager LINDA L KUNG

Global ID:
EDF: Yes / No

Sample Receipt
Intact: ☒ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☒ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOC's	8260B: VOC's and Oxygenates	Methane	Fixed Gases	Total # of containers
GB3-12		12	1353	6/16/04	SOIL	METAL SLEEVE												1
GB3-16		16	1403				X		X									1
GB3-19.5		19.5	1412				X											1
GB4-6.5		6.5	1436															1
GB4-7.5		7.5	1444				⊗											1
GB4-10.5		10.5	1450				⊗											1
GB4-12.5		12.5	1500				⊗											1
GB4-14.5		14.5	1506				⊗											1
GB4-19.5		19.5	1516				X											1
GB2-19.5		19.5	1257				X											1
GB5-6		6	1615															1
GB5-7.5		7.5	1625				⊗											1
GB5-9.5		9.5	1630															1
GB5-11.5		11.5	1641				⊗											1

Relinquished by: (Signature) (company)
Relinquished by: (Signature) (company)
Relinquished by: (Signature) (company)

Received by: (Signature) James R. Cook (company) H&P MOBILE GEOCHEM Date: 6/16/04 Time: 1650
Received by: (Signature) (company) Date: Time:
Received by: (Signature) (company) Date: Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☒ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469

☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404

☐ 2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

Date: JUNE 16, 2004

H&P Project # GC061604-L3

Outside Lab:

Client: GEOCON

Address: 6970 FLANDERS DRIVE
SAN DIEGO, CA 92121-2974

Phone: 858-558-6100 x229 Fax: 858-558-8437

Collector: ERIN MURRAY

Client Project # 094290601

Location: WOODSIDE AVE, VACANT LOT, LAKESIDE

Turn around time: ON SITE

Page: 3 of 3

Project Manager LINDA L KUNG

Global ID:

EDF: Yes / No

Sample Receipt

Intact: ☒ Yes ☐ No

Seal Intact: ☐ Yes ☐ No ☒ N/A

Cold: ☐ Yes ☐ No

N/A (Received on Site)

Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOC's	8260B: VOC's and Oxygenates	Methane	Fixed Gases	Total # of containers
GBS-15.5		15.5	1655	6/16/04	SOIL	METAL SLEEVE												1
GBS-19.5		19.5	1707				X											1

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)

Received by: (Signature) Jennifer R Cook (company) H&P MOBILE GEOCHEM Date: 6/16/04 Time: 1720

Date: Time:

Date: Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☑ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☐ 2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

Date: 6-17-04
H&P Project # GC061604-L3
Outside Lab:

Client: Geocon
Address: 6970 Flander Drive SD 92121
Phone: 858-558-6100 Fax:

Collector:
Client Project # 094290601
Location: Woodside Ave Vacant Lot, La Mesa

Page: 1 Of 2
Project Manager: Linda Kung
Turn around time:

Global ID: EDF: Yes / No

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX ~~MTBE~~	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOC's	8260B: VOC's and Oxygenates	Methane	Fixed Gases	Total # of containers
GB6-19			921	6/17/04	Soil	Sleeve			X									1
GB6-16.5			908						X									1
GB6-12.5			902						X									1
GB6-9.5			852						X									1
GB6-8.5			842						X									1
GB6-6.5			835						X									1
GB7-19.5			1206						X									1
GB7-16.5			1155						X									1
GB7-11.5			1142						X									1
GB7-9.5			1132						X									1
GB7-8			1130						X									1
GB7-6.5			1122															1
GB8-6.5			1250															1
GB8-8.5			1301						X									1

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	Geocon (company)	Received by: (Signature)	H&P (company)	6/17/04 Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of conditions on back

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☑ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☐ 2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

Date: 6-17-09

H&P Project # 6C061604-L3

Outside Lab: _____

Client: Geocon

Address: 6970 Flanders

Phone: _____ Fax: _____

Collector: _____

Client Project # 094290601

Location: Woodside Ave Vacant Lot Lakeside

Page: 2 Of 2

Project Manager Linda Kuhns

Turn around time: _____

Global ID: _____ EDF: Yes / No

Sample Receipt

Intact: ☐ Yes ☐ No

Seal Intact: ☐ Yes ☐ No ☐ N/A

Cold: ☐ Yes ☐ No

N/A (Received on Site)

Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOC's	8260B: VOC's and Oxygenates	Methane	Fixed Gases							Total # of containers
GB8-9.5			1:07		Soil	Sleeve																		
GB8-11.5			1:14						X															
GB8-16.5			1:30						X															
GB8-19.0			1:36						X															
GB9-6.5			1:04						X															
GB9-8.5			1:08						X															
GB9-10.5			1:11						X															
GB9-12.5			1:12						X															
GB9-16.5			1:15						X															
GB9-19.5			1:20						X															

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: 6-17-09	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

Geocon

H&P

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

ESC 040567.03

☒ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☐ 2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

Date: JUNE 16, 2004

H&P Project # GC 061604-L3

Outside Lab:

Client: GEOCON

Address: 6970 FLANDERS DRIVE
SAN DIEGO, CA 92121-2974

Phone: 858-558-6100 x 229 Fax: 858-558-8437

Collector: LORIN MURRAY

Client Project # 094290601

Location: WOODSIDE AVE, VACANT LOT, LAKESIDE

Turn around time: ON SITE

Page: 3 of 3

Project Manager LINDA L KUNG

Global ID:

EDF: Yes / No

Sample Receipt
Intact: ☒ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☒ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOC's	8260B: VOC's and Oxygenates	Methane	Fixed Gases	Total # of containers
GB5-15.5		15.5	1655	6/16/04	SOIL	METAL SLEEVE	X											1
GB5-19.5	ALREADY RUN	19.5	1707				X											1

-6/24/04 per Chad Beard

Relinquished by: (Signature) (company)

Relinquished by: (Signature) (company)

Relinquished by: (Signature) (company)

Received by: (Signature) Drew R Cook H&P MOBILE GEOCHEM (company) Date: 6/16/04 Time: 1720

Received by: (Signature) (company) Date: Time:

Received by: (Signature) (company) Date: Time:

05/18/2004 15:26 858-558-8437 GEOCON CONSULTANTS PAGE 02/04

APPENDIX G

MASEK CONSULTING SERVICES, INC.
23478 Sandstone St. • Mission Viejo, CA 92692 • Phone (949) 581-8503
FAX (949) 581-8423 • E-mail: fsmmcsi@cox.net

Specialists in Saving Our Clients More Than Our Services Cost • Quality and Value Since 1991 • Mold, Asbestos, Lead Paint, and Toxic Materials Surveys • Environmental Site Assessments • Building Condition Assessments • Abatement Project Design, Monitoring, and Documentation To Save Money and Reduce Liability

ASBESTOS and LEAD PAINT SURVEY REPORT

Buildings at 11719-11749 Woodside Ave. in Lakeside, CA

Prepared For GEOCON Consultants, Inc.

May 14, 2004

TABLE OF CONTENTS

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1.0 Conclusions, Recommendations and Limitations	2
2.0 Scope of Services	6
3.0 Building Description and Photographs	7
4.0 Sample Locations and Results	16

1.0 CONCLUSIONS, RECOMMENDATIONS, and LIMITATIONS

The inspection and sampling portions of the survey were performed on May 6-7, 2004. This asbestos and lead paint survey is intended to be a pre-demolition level survey.

Findings

The four unit complex at 11743-49 Woodside:

The homogeneous areas of Asbestos Containing Materials (ACMs) identified are:

- The 9x9 vinyl floor tile and mastic adhering it under the carpet or under the other layers of flooring. The floor tile in 11743 has been removed, and remnants of flooring mastic remained under the carpet;
- The window putty;
- Plastic roof cement spots;
- Three asbestos cement water heater flue pipes (a metal flue pipe was observed on the 11749 unit;

The lead paint and ceramic tile identified is applied to:

- All of the exterior wood ;
- The interior side of the back door in the laundry room in 11743 Woodside;

House and garage at 11721 Woodside:

The homogeneous areas of Asbestos Containing Materials (ACMs) identified are:

- The mastic under the peel & stick type 12x12 floor tile in the kitchen and under the linoleum under the floor tile in the kitchen;
- The 9x9 vinyl floor tile, mastic adhering it and tar paper under it under the carpet in the bathroom;
- Plastic roof cement spots.

The lead paint and ceramic tile identified is applied to:

- All of the exterior wood on the house and garage;
- The light green paint on the garage interior plywood walls and storage cabinet;

- The yellow and brown ceramic counter top and wall tile in the kitchen;
- The metal sewer pipe;
- The gray and maroon ceramic counter top and wall ceramic tile in the bathroom;

The metal building at 11719 Woodside:

No homogeneous areas of Asbestos Containing Materials (ACMs) were identified.

No lead paint was identified.

Lead Recommendations

Lead painted components and/or lead ceramic components should not be sawed, abraded, burned, crushed, or ground into mulch.

Lead abatement work, including preparation of lead-painted surfaces for new paint, removal of lead paint and/or lead ceramic tile, or demolition of lead-painted materials and/or lead ceramic tile, should only be performed by a lead abatement contractor utilizing supervisor(s) and workers with the appropriate California Department of Health Services (DHS) certification and training.

California regulations classify lead waste, including soil, demolition debris, and waste from lead abatement projects, as hazardous waste if:

- The results of a Total Threshold Limit Concentration (TTLC) test indicate 1,000 parts per million (ppm) or more lead; or,
- The results of a California Waste Extraction Test (WET) exceed the Soluble Threshold Limit Concentration (STLC) for lead of 5 ppm.

Hazardous wastes must be disposed of at a hazardous waste landfill and must be hauled under a proper manifest by a licensed hazardous waste transporter.

According to the California Department of Toxic Substances Control, HSC 25157.8 (from AB 2784, Strom-Martin, 1998), mandates that lead wastes with a TTLC result greater than 350 ppm be disposed of at a Class 1 hazardous waste landfill, or at other landfills that have specific permits to accept these wastes. However, a hazardous waste manifest and a registered hazardous waste transporter are not needed if the only hazard is that the waste contains lead at greater than 350 ppm, but less than 1,000 ppm (mg/kg).

TTLC and STLC tests should be run for each lead waste stream. Running these tests requires collection and analysis of bulk samples of each separate waste (e.g. paint chips, a chunk of painted wood trim, a chunk of painted concrete, or a chunk of ceramic tile). Lead-painted

exterior wood components generally fail these tests.

Asbestos Recommendations

Prior to demolition, the asbestos containing materials must be removed by a licensed asbestos abatement (removal) contractor. A California Certified Asbestos Consultant must be used to perform abatement project planning, monitoring (including air monitoring), oversight and reporting.

Abatement Cost Estimate:

To obtain actual cost data, a specification (requiring bidders to assess work conditions and to measure quantities to their own satisfaction) for the work should be distributed to licensed, qualified and reputable contractors, a job walk should be conducted, and fixed cost bid/contracts should be obtained. We estimate that abatement of these materials will cost a total of $13,250 ($10,000 for the abatement contractor and $3,250 for the consulting oversight and reporting).

General Limitations

The conclusions presented in this report are professional opinions based on the indicated data described in this report. They are intended only for the purpose, the location, and project indicated. They only apply to site conditions existing at the time of the survey. Changes in the conditions of the property may occur with time due to natural processes or various activities on the subject property. Changes in applicable standards may also occur as a result of legislation or the broadening of knowledge. Accordingly, this report may become invalid. We do not warrant that the information supplied to us by others is accurate.

Invasive techniques which produce visible damage are typically not needed to locate and sample materials, but may be used for pre-demolition or surveys conducted prior to renovation work. The asbestos and lead survey was not intended to be a definitive study of the presence of asbestos and/or lead at the subject property. Other locations of asbestos and/or lead may exist at the subject property, and the levels may vary from those stated in this report. There may be variations in the composition of materials which appear similar. Materials may be hidden from view and not accessible. This is especially so for occupied structures or structures where damage and invasive sampling need to be minimized (such as structures not owned by our client). Hypothetical examples include a patch of floor tile hidden under carpeting, and not detected by our typical examination of the area under the carpet at a corner(s) or existing hole(s), an abandoned length of insulated pipe hidden within a finished wall, an asbestos-cement sewer vent pipe in the wall behind a toilet, asbestos paper/felt between hardwood flooring and the sub-floor or old vinyl floor tile covered over with plywood and newer flooring materials. Asbestos-cement panels are often installed in commercial window and door assemblies (especially at the bottoms or tops), but may not be identified in other structures when installed and painted as if they were wood. Even pre-demolition surveys involve examinations of the structure in several locations, not pulling up all of the carpet, cutting holes in floors and walls everywhere - the kind of work which would constitute demolition work, not

survey work. We typically try to examine fire doors, but there are times when disassembly of locks and/or other work to access the door insulation is not possible. Elevator brakes are not sampled, as they are the responsibility of the elevator maintenance firm only, and to avoid damage to the brake. Insulation on sink bottoms, if present, is typically not sampled. We generally do not sample plastic roof cement, as it is very common and is still legally manufactured, sold, and applied. Location and sampling of underground items, such as asbestos-cement pipes, would have been outside of the scope.

Consultant Background

The inspection and sampling portions of the survey were performed by Mr. F. Stephen Masek. Mr. Masek has performed thousands of environmental inspections in a wide variety of commercial and government buildings, including airports, military bases, high-rise buildings, apartment buildings, shopping centers, schools, office buildings, hospitals, retail buildings, factories, recreation facilities, warehouses, residences and R&D buildings. Mr. Masek has been a California Certified Asbestos Consultant since the certification program started in 1992. Mr. Masek has been a California certified lead Inspector / Risk Assessor since 1993. He has extensive experience in related environmental services.

Sincerely,
Masek Consulting Services, Inc.

F. Stephen Masek
President
B.S.B.A. Washington University in St. Louis, MO - 1980
Mensa - the high IQ society, member #1134713
California Certified Asbestos Consultant #92-0822
Nevada Asbestos Abatement Consultant License #IJPM0657
California Certified Lead Inspector / Risk Assessor / Project Monitor #751
California Registered Environmental Assessor #07178

2.0 SCOPE OF SERVICES

We performed a visual examination of the subject property to determine the overall construction and usage of the building(s) and to plan and coordinate the survey work, taking into account any information provided on the age and construction of the building(s). We examined any plans and documents supplied to us determine if any ACMs were specified and to provide information on remodeling or renovation work. Areas of potential ACM were identified using the available information on the age of the building, construction materials present and the consultant's expertise and samples of suspect materials were collected.

Generally, the minimum number of samples required to show that a friable material does not contain asbestos is either three, five, or seven depending on the square footage (1 is often sufficient for very small items, such as a flexible duct connector). The minimum is one sample for non-friable materials, although more than one is often appropriate. Items which are suspected of containing asbestos but which are not sampled may be assumed to contain asbestos. The judgement and experience of the consultant are important factors in determining the appropriate number of samples.

Representative samples of potential ACM were collected after identification of homogeneous sampling areas (these are areas in which the materials are uniform in color, texture, construction or application date and general appearance) of potential ACM. Each homogeneous area of potential ACM was observed for material type, location, condition, and friability. Representative samples were collected from each area of potential ACM, excepting areas which were inaccessible, or areas of assumed ACM. The building(s) was examined for the presence of previous or multiple layers of materials, if applicable.

Reasonable care was taken to reduce accidental fiber release into the building environments. In order to reduce the potential for fiber release while collecting samples of suspect materials, the test areas were sprayed with a water-containing surfactant. The tools used for collection of samples were cleaned with soapy water-soaked cloths between samples in order to avoid cross-contamination of samples. The samples were placed into heavy plastic sample bags which were then sealed and labeled. The location, type, and other information on each sample were recorded. A chain-of-custody form accompanied the samples to the laboratory. The samples were analyzed by an NVLAP accredited laboratory using the PLM method (EPA 600M4). The PLM method is the most commonly used method to analyze bulk materials for the presence of asbestos. This method utilizes the optical properties of minerals to identify the selected constituent. The use of this method enables identification of the type and approximate percentage of asbestos in a given sample. The detection limit of the PLM method for asbestos identification is about one percent by volume.

Suspect areas of lead (paint and ceramic tile) were analyzed using non-destructive In place testing using a portable XRF (X-Ray Fluorescence) instrument.

3.0 BUILDING DESCRIPTION AND PHOTOGRAPHS

The subject property contains a mixture of houses and one metal commercial structure.

The exteriors of the cluster of four small houses is finished with bricks. The roofs are covered with fiberglass composition material. The interiors are finished with plaster, 9x9 vinyl floor tile, 12x12 floor tile, and carpet. Metal wall heater and asbestos water heater flues were observed.

The exteriors of the house and garage at 11721 Woodside are finished with stucco walls and multiple layers of composition roofing. New fibreglass insulated duct work was observed in the attic. The interior of the house is finished with plaster, wood wall panels, wood fiber or fiberglass based ceiling panels, wood flooring, ceramic tile, peel & stick and 9x9 vinyl floor tile under the carpet.



Photo 1: One of four small houses

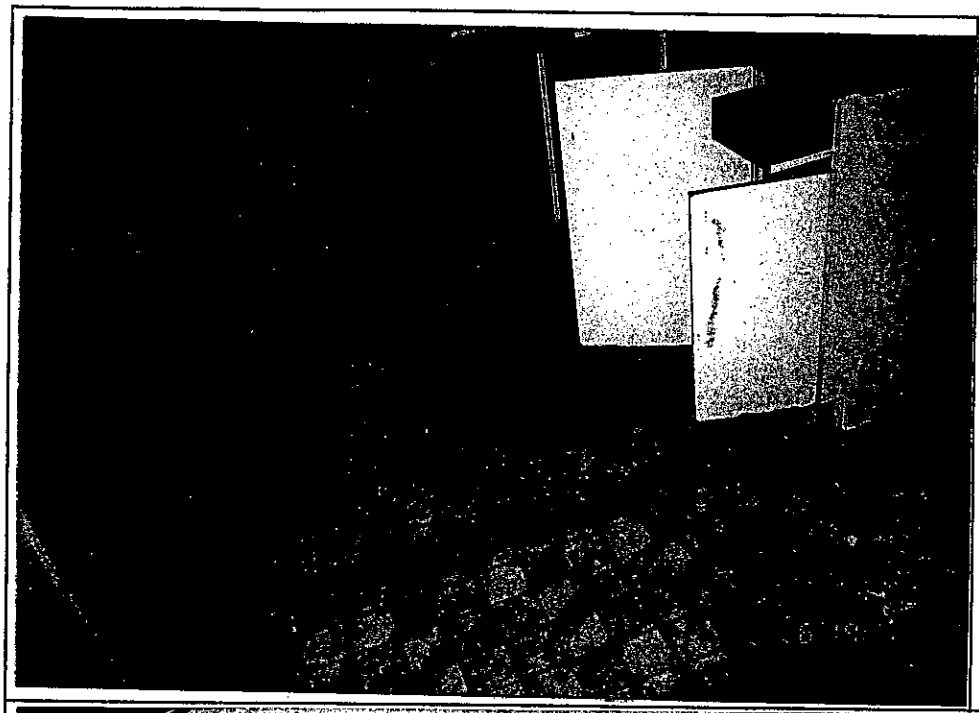


Photo 2: The peel & stick type 12x12 floor tile in the kitchen of 11743 Woodside

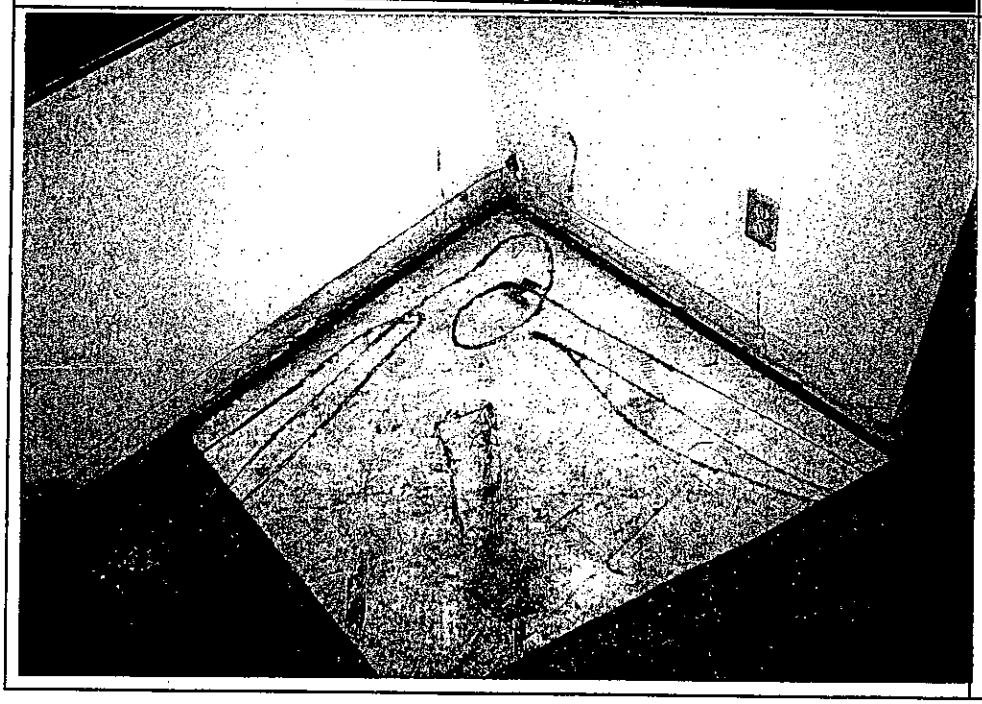


Photo 3: Asbestos containing 9x9 vinyl floor tile under the carpet in 11749 Woodside

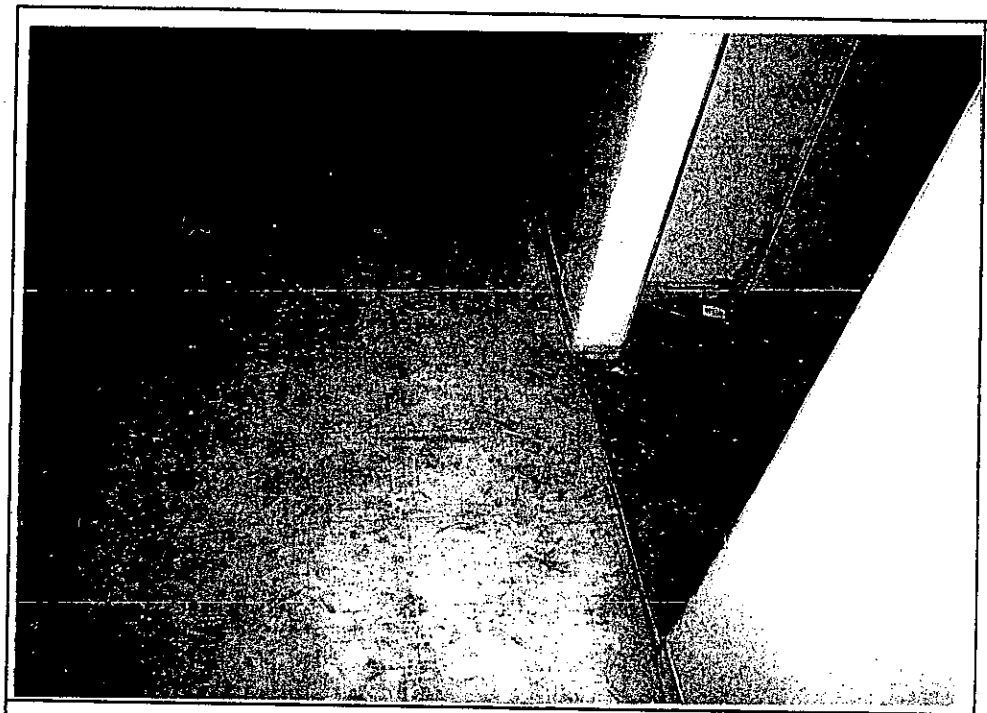


Photo 4: The two types of sheet vinyl flooring in the kitchen & laundry room of 11749 Woodside

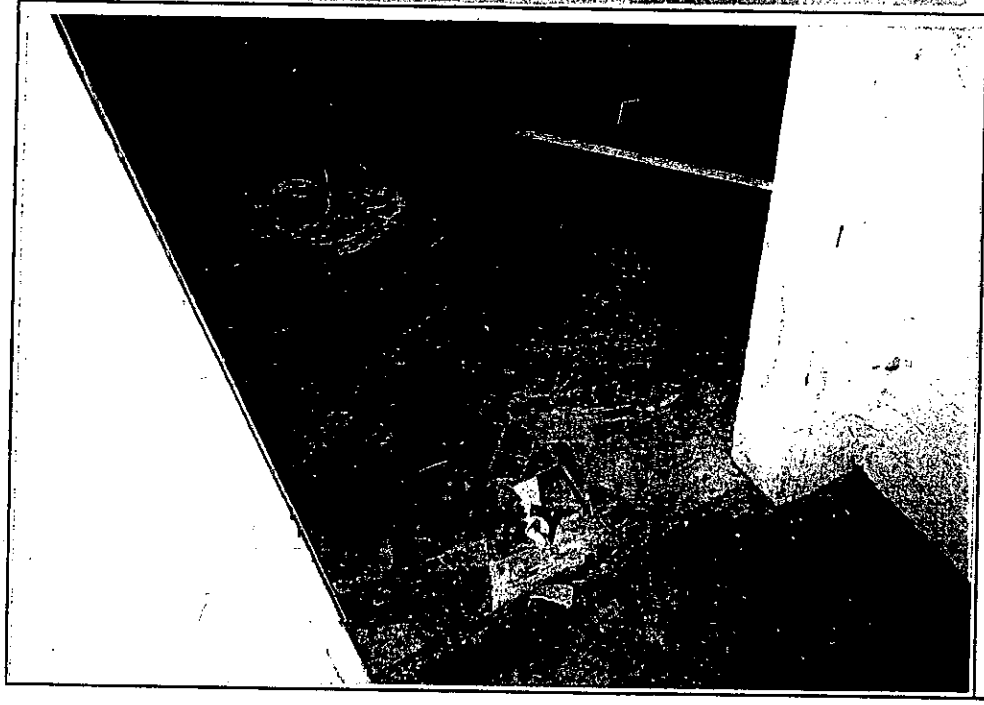


Photo 5: The 12x12 floor tile in the living room of 11747 Woodside

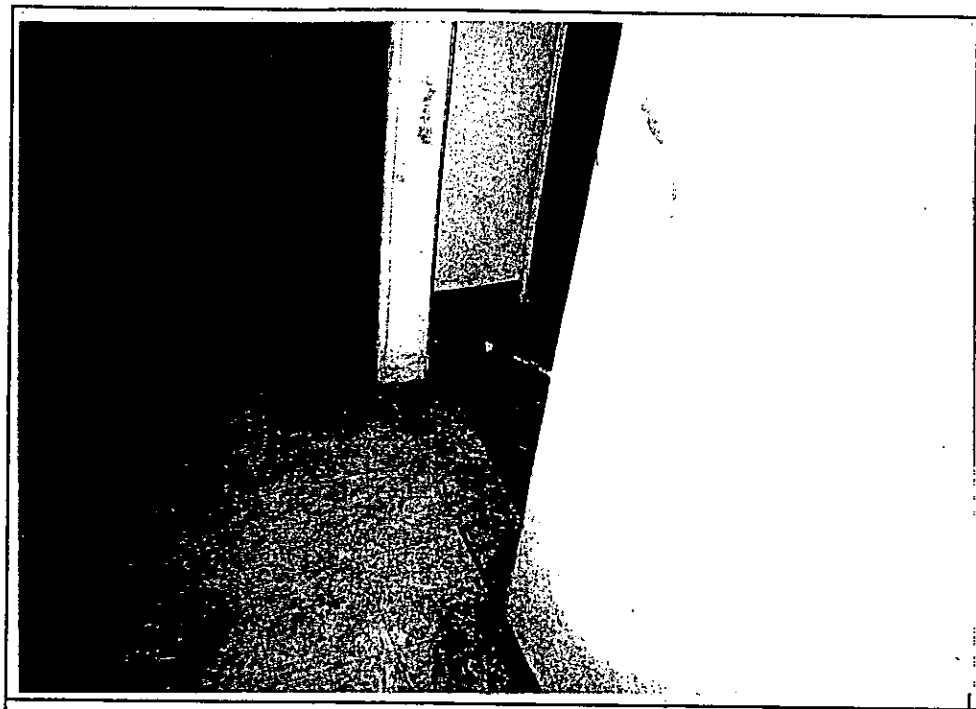


Photo 6: The two types of sheet vinyl flooring in the kitchen & laundry room of 11747 Woodside

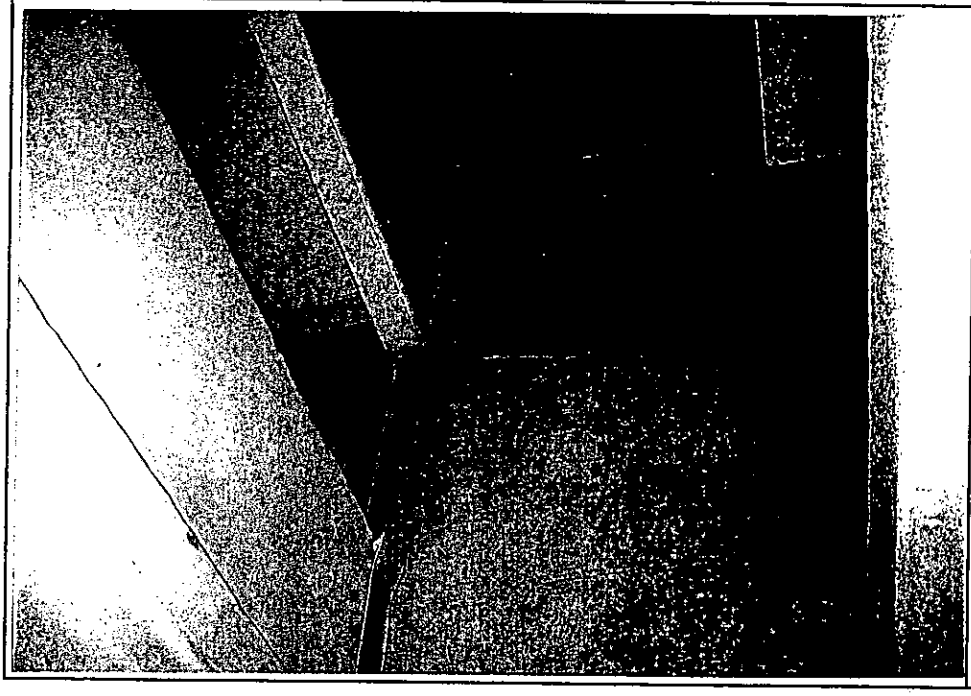


Photo 7: The two types of sheet vinyl flooring in the kitchen & laundry rooms of 11745 Woodside

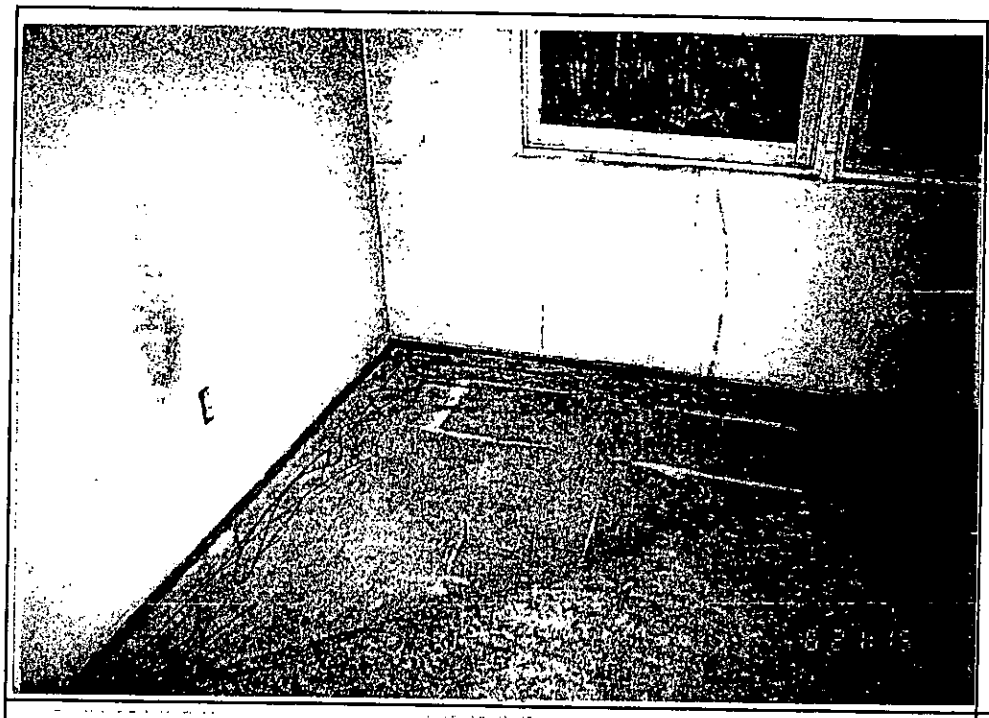


Photo 8: The 12x12 floor tile under the carpet in 11745 Woodside

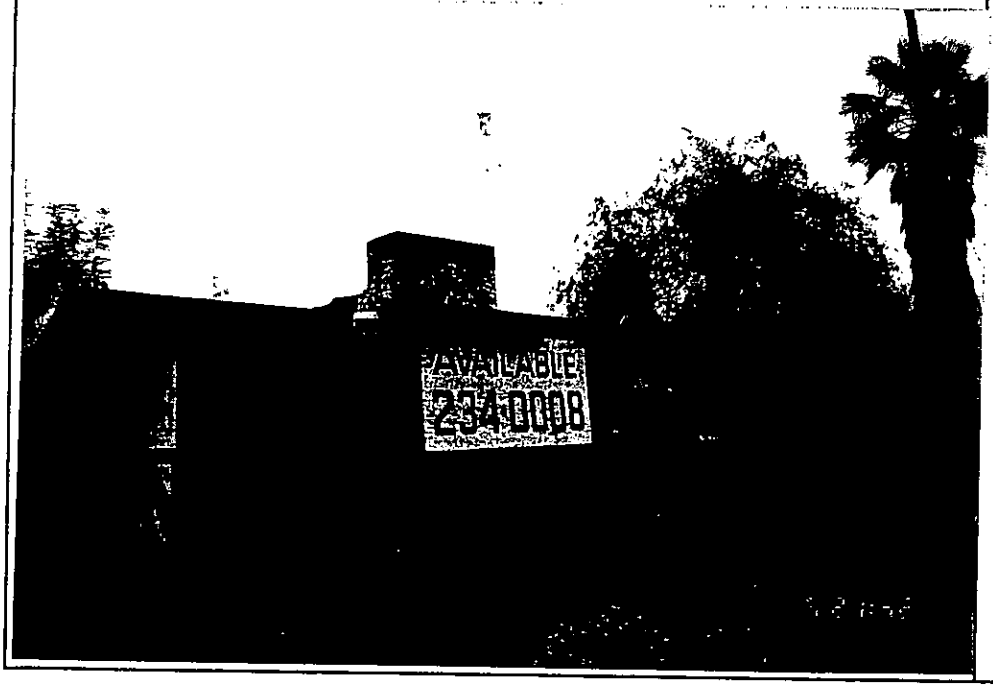


Photo 9: The exterior of 11721 Woodside

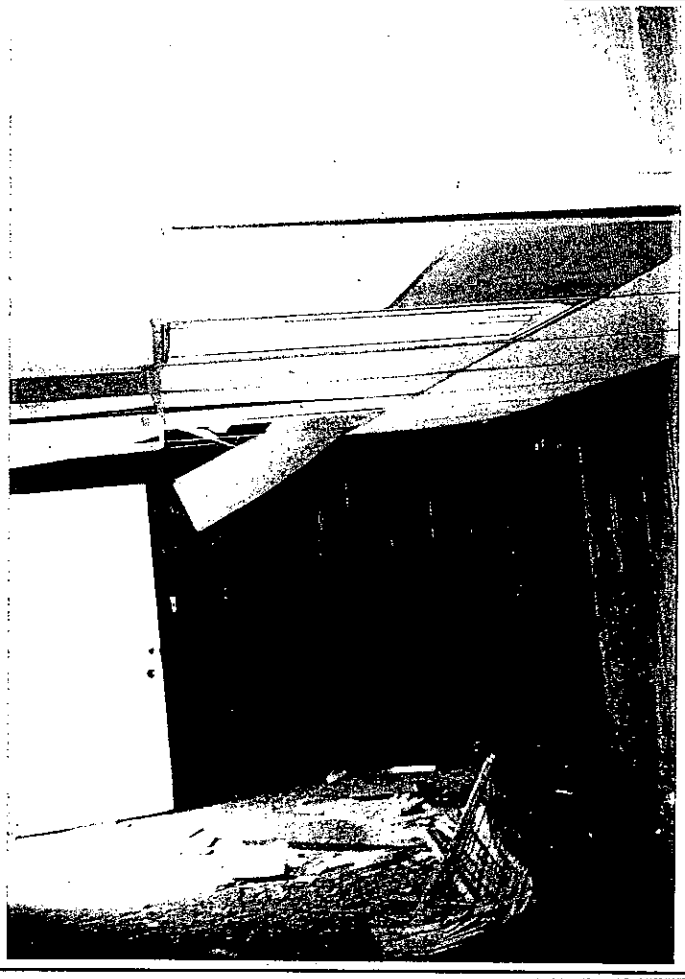


Photo 10: The interior of the house at 11721 Woodside

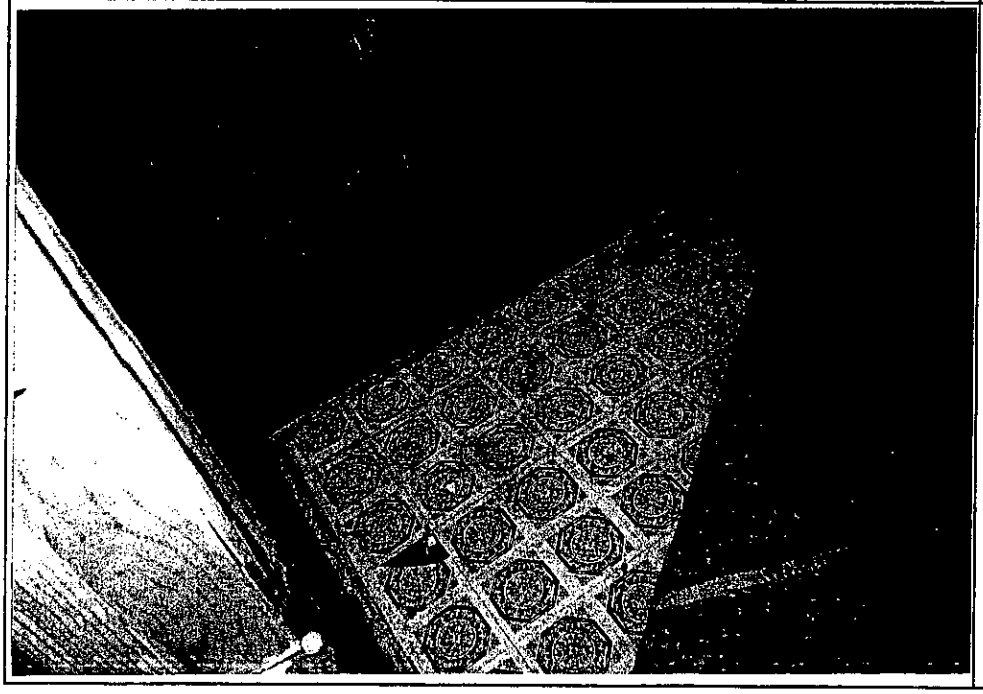


Photo 11: Peel & stick type 12x12 floor tile under the carpet in the kitchen of 11721 Woodside

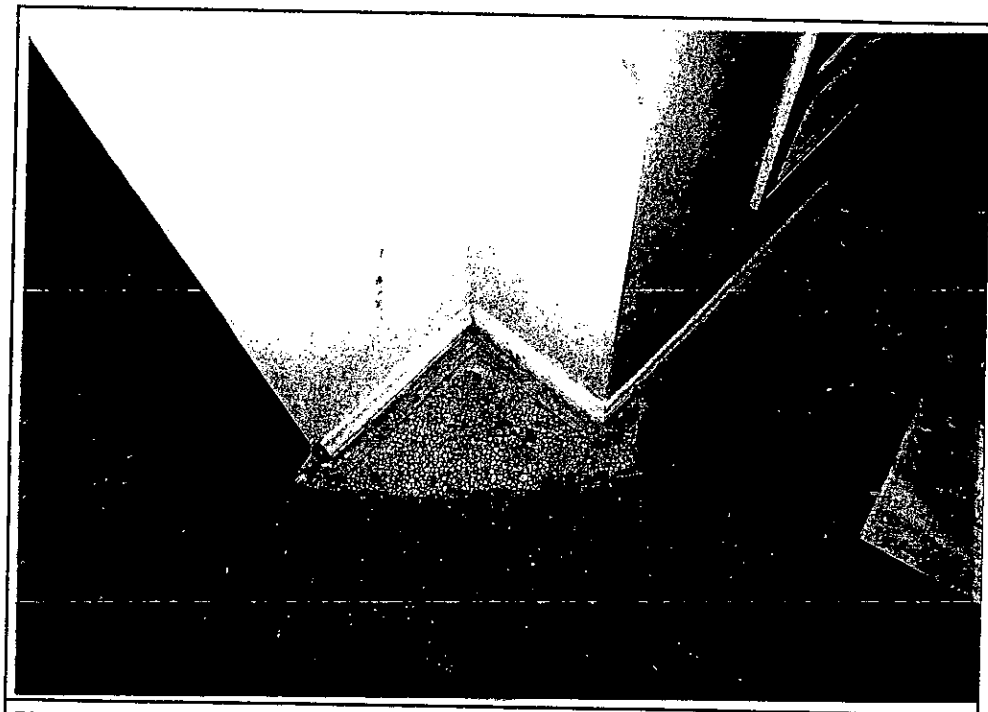


Photo 12: The floor tile under the carpet in 11721 Woodside

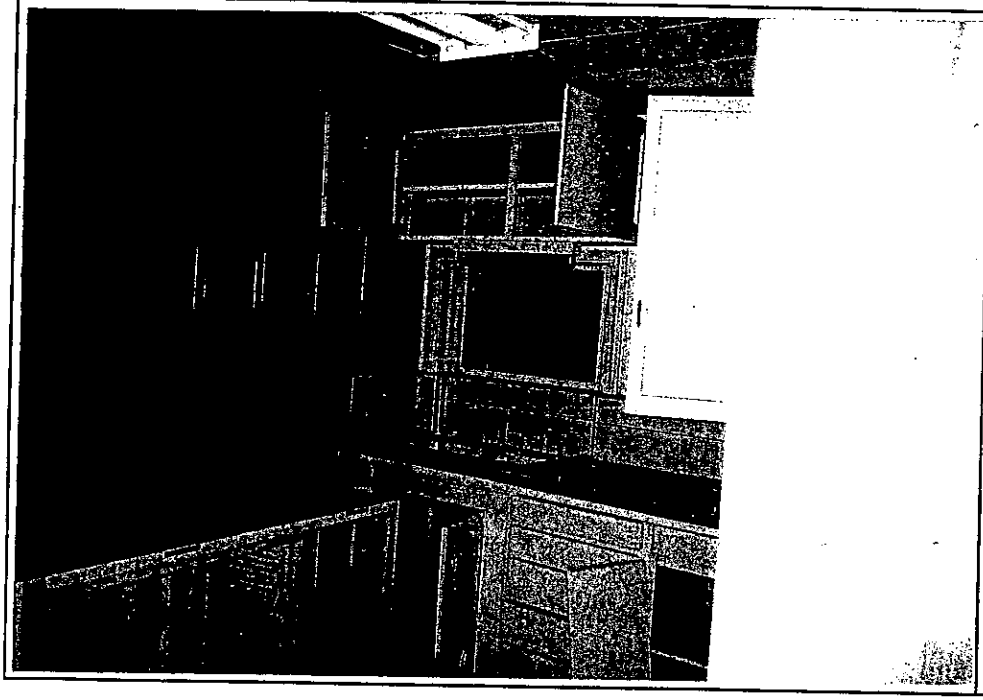


Photo 13: Lead containing ceramic tile in the kitchen of 11721 Woodside

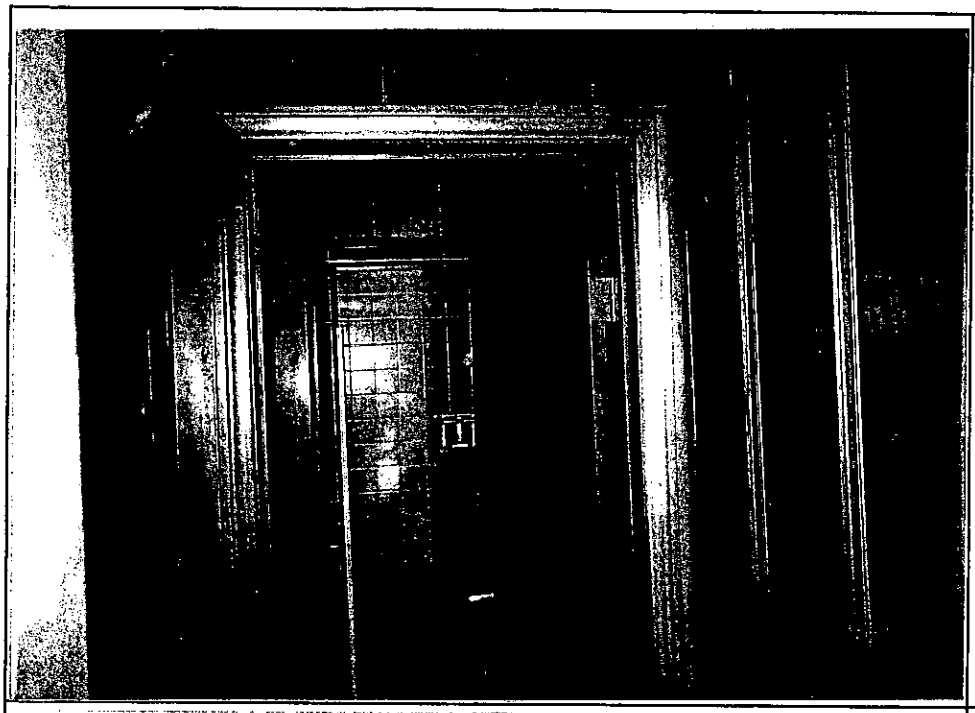


Photo 14: Lead containing ceramic wall tile in the bathroom of 11721 Woodside

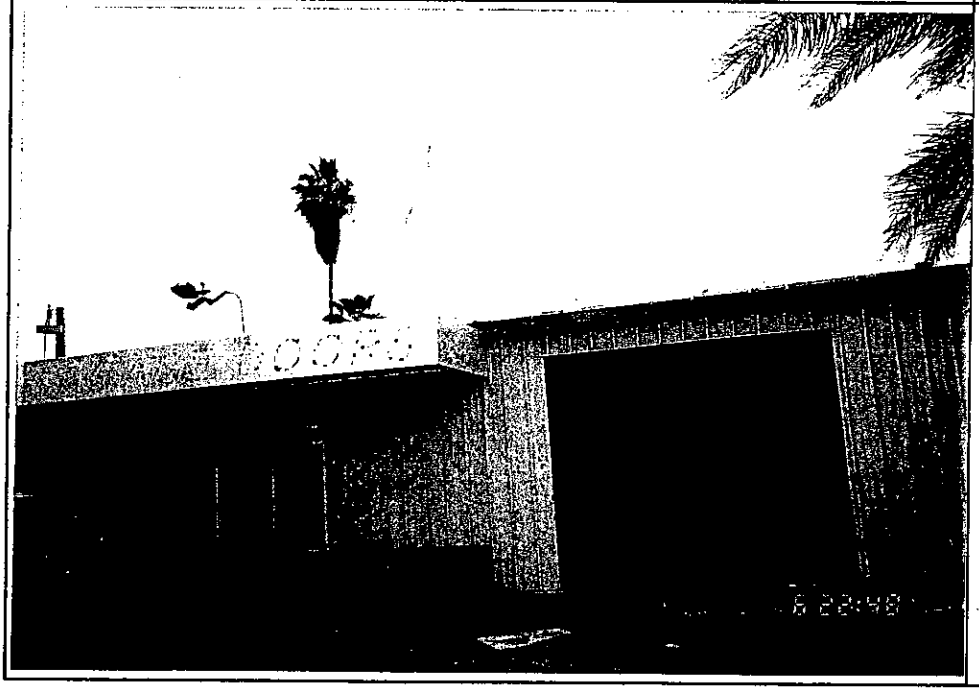


Photo 15: The front of 11719 Woodside

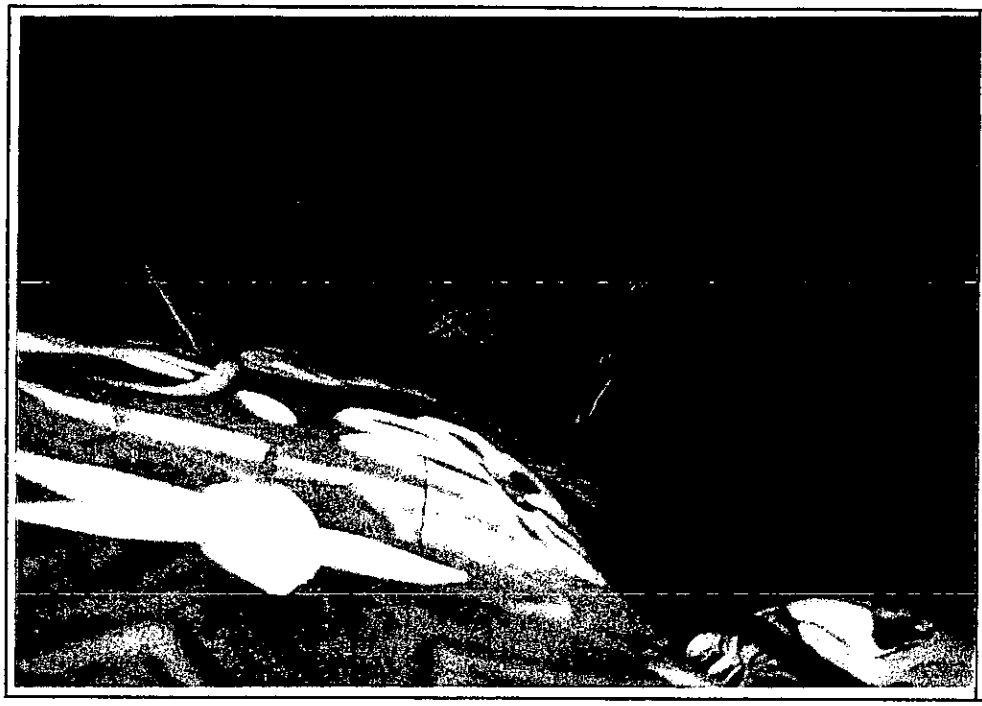


Photo 16: The floor tile under the carpet in the front office area of 11719 Woodside

4.0 SAMPLE LOCATIONS and RESULTS

Asbestos Survey Samples:

Friable materials can be broken, crumbled, pulverized or reduced to powder by hand pressure when dry (e.g. fireproofing, pipe insulation, ceiling tile, ceiling texture). Non-Friable materials (e.g. vinyl floor tile, mastics, stucco, drywall joint compound, roofing, and sheet vinyl flooring) may become friable due to deterioration, damage, or demolition work. Damage may be physical, due to deterioration, or due to water. Significant Damage means 10% or more evenly distributed, or 25% or greater localized damage. Damage means less than 10% damage (e.g. abraded, gouged, blistered, peeling, crumbling). Good means no or very little damage or deterioration. The following Hazard Rank scale is based on normal usage of the building(s):

worst 7 - Friable with significant damage
6a - Friable with damage and potential for significant damage
6b - Non-Friable with significant damage and potential for more significant damage
5a - Friable with damage and potential for damage
5b - Non-Friable with significant damage and potential for additional damage
5c - Non-Friable with damage and potential for significant damage
5d - Friable in good condition and potential for significant damage
4a - Non-Friable with significant damage and low potential for disturbance
4b - Friable with damage and low potential for disturbance
3a - Friable in good condition and potential for damage
3b - Non-Friable with damage and potential for damage
3c - Non-Friable in good condition and potential for significant damage
2a - Friable in good condition and low potential for disturbance
2b - Non-Friable with damage and low potential for disturbance
2c - Non-Friable in good condition and potential for damage
best 1 - Non-Friable in good condition and low potential for disturbance

Homogeneous Areas of Asbestos Containing Materials	Hazard Rank	Friable if disturbed ?
plastic roof cement (assumed) applied at penetrations and joints	1	no
the window putty on the four units at 11743-49 Woodside	6b	no
various types and patterns of 9x9 vinyl floor tile under the carpet or the other layers of flooring in the four units at 11745-49 Woodside	6b	no
mastic adhering 9x9 vinyl floor tile at 11745-49 and mastic on concrete in 11743 Woodside	1	no
asbestos cement flue pipes on 11743-11747 Woodside	1	no

Homogeneous Areas of Asbestos Containing Materials	Hazard Rank	Friable if disturbed ?
the two types of mastic under the two layers of flooring in the kitchen of 11721 Woodside	1	no
the 9x9 vinyl floor tile under the carpet in the bathroom of 11721 Woodside	1	no
mastic adhering 9x9 vinyl floor tile in the bathroom of 11721 Woodside	1	no
tar paper under the 9x9 vinyl floor tile in the bathroom of 11721 Woodside	1	no

Table of Asbestos Survey Samples:

A positive sample result means that the entire homogeneous area, not just the materials in the sample location, is an asbestos containing material.

Sample	Item Sampled and Sample Location	Lab. Result
11743-1	top layer of plaster	none detected
11743-2	bottom layer of plaster	none detected
11743-3	window putty	none detected
11743-4	peel & stick type 12x12 floor tile in the kitchen (top layer)	none detected
11743-5	bottom layer of floor tile	none detected
11743-6	sheet vinyl flooring on the bottom of the floor tile	none detected
11743-7	peel & stick type 12x12 floor tile in the bathroom	none detected
11743-8	floor tile mastic under above	none detected
11743-9	mastic under the carpet in the back bedroom	none detected
11743-10	mastic under the carpet in the living room	none detected
11745-1	top layer of plaster in the kitchen	none detected
11745-2	bottom layer of plaster	none detected
11745-3	window putty	none detected
11745-4	sheet vinyl flooring in the kitchen	none detected
11745-5	bottom layer of sheet vinyl flooring in the kitchen	none detected

Sample	Item Sampled and Sample Location	Lab. Result
11745-6	sheet vinyl flooring in the laundry room	none detected
11745-7	12x12 floor tile under the carpet in the living room	none detected
11745-8	floor tile mastic under above	none detected
11745-9	second layer of floor tile in the living room	**Yes, 2%**
11745-10	floor tile mastic under above	**Yes, 5%**
11745-11	12x12 floor tile under the carpet in the bedroom	none detected
11745-12	floor tile mastic under above	none detected
11745-13	second layer of floor tile in the bedroom	**Yes, 2.5%**
11745-14	floor tile mastic under above	**Yes, 5%**
11747-1	12x12 floor tile in the living room	none detected
11747-2	9x9 vinyl floor tile under the 12x12 floor tile	**Yes, 10%**
11747-3	floor tile mastic under above	none detected
11747-4	sheet vinyl flooring in the kitchen	none detected
11747-5	sheet vinyl flooring in the laundry room	none detected
11747-6	lower layer of sheet vinyl flooring in the kitchen and laundry rooms	none detected
11747-7	top layer of plaster in the bedroom	none detected
11747-8	bottom layer of plaster	none detected
11747-9	peel & stick type 12x12 floor tile in the living room closet	none detected
11747-10	floor tile mastic under above	none detected
11747-10a	remnants of floor tile under above	**Yes, 2%**
11749-1	9x9 vinyl floor tile throughout	none detected
11749-2	floor tile mastic under above	**Yes, 2%**
11749-3	window putty	**Yes, 2%**
11749-3a	top layer of plaster	none detected
11749-4	bottom layer of plaster	none detected
11749-5	sheet vinyl flooring in the kitchen	none detected

Sample	Item Sampled and Sample Location	Lab. Result
11749-6	sheet vinyl flooring in the laundry room	none detected
11719-1	12x12 floor tile under the carpet in the office area in front	none detected
11719-2	drywall joint in the warehouse section	none detected
11719-3	12x12 floor tile under the carpet in the front entry	none detected
11719-4	drywall joint in the office	none detected
11719-5	drywall joint in the hallway	none detected
11719-6	textured ceiling paint in the lobby	none detected
11719-7	textured ceiling paint in the restroom corridor	none detected
11721-1	top layer of composition roofing (gray)	none detected
11721-2	second layer of composition roofing	none detected
11721-3	third layer of composition roofing (green)	none detected
11721-4	fourth layer of composition roofing (light green)	none detected
11721-5	tar paper on the bottom of roofing layers	none detected
11721-6	window putty	none detected
11721-7	top layer of stucco	none detected
11721-8	bottom layer of stucco	none detected
11721-9	rolled roofing on the portion of the roof connecting garage and house	none detected
11721-10	gray rolled roofing on the garage	none detected
11721-11	second layer of roofing on the garage	none detected
11721-12	peel & stick type 12x12 floor tile in the kitchen	none detected
11721-12a	mastic remnants under the peel & stick type 12x12 floor tile	**Yes, 7%**
11721-13	linoleum under it	none detected
11721-14	mastic under above	**Yes, 8%**
11721-15	top layer of plaster in the bathroom	none detected
11721-16	bottom layer of plaster	none detected
11721-17	9x9 vinyl floor tile under the carpet in the bathroom	**Yes, 5%**

Sample	Item Sampled and Sample Location	Lab. Result
11721-18	floor tile mastic under above	**Yes, 7%**
11721-18a	tar paper under above	**Yes, 3%**
11721-19	wood pattern peel & stick type 12x12 floor tile under the carpet in the bedroom	none detected
11721-20	window putty	none detected
11721-21	top layer of stucco	none detected
11721-22	bottom layer of stucco	none detected

Lead Paint Survey Samples:

The lead field data sheets follow and are not counted in the page total shown in the page footers.

11719 Woodside

Bldg.	Room	Component	Color	Condition	Pb(mg/cm²)	Positive
		calibration	N/A	N/A		
		"	"	↓		
	warehouse	structural steel column	red	good	0.01	
	"	roll up door frame	tan	"	0.0	
	"	roll up door frame	tan	"	0.03	
	"	structural steel column	red	"	0.01	
	"	roll up door frame portion to red	tan	"	0.2	
	"	hoist	red	"	0.09	
	"	hoist / column	yellow	"	0.05	
	"	ceramic tile wall at WH	blue	"	0.0	
	"	RR wall (plywood)	white	"	0.0	
	"	RR door frame	gray	"	0.07	
	office	door frame	white	"	0.0	
	"	door		"	0.0	
	warehouse	door to front port	brown	"	0.01	
	front office	ceramic floor tile	tan	"	0.07	
	corridor	drywall	white	"	0.0	
	RR	ceramic floor tile	grayish	"	0.0	
	"	door	white	"	0.0	
	"	frame	"	"	0.0	

(2)

11719 Woodside

Bldg.	Room	Component	Color	Condition	Pb(mg/cm²)	Positive
	corridor	baseboard tile	white	good	0.2	
	RR	wall / ceiling	"	"	0.0	
	corridor	wall	"	"	0.0	
	RR	door frame	"	"	0.01	
	office	door frame	"	"	0.0	
	"	door	"	"	0.0	
	"	wood paneling	"	"	0.01	
	"	wood wall	brown	"	0.01	
	front office	base board -	white	"	0.0	
	exit	brick in front	brown	fair	0.1	
	"	metal siding	white	good	0.0	
	"	gutters	red	fair	0.1	
	"	siding	white	good	0.1	
	"	"	"	"	0.01	

11721 Woodside

Bldg.	Room	Component	Color	Condition	Pb(mg/cm²)	Positive
	ext.	porch post	brown	good	3.4	
	"	railing	black	Good	0.18	
	"	door casing/frame	tan	"	0.0	
	"	stucco	tan	"	0.3	
	"	siding	brown	"	0.04	
	"	fascia	"	fair	10.0	✓
	"	window casing	"	good	0.03	
	"	stucco	tan	"	0.02	
	"	rear porch post	brown	"	0.4	
	"	window casing	"	fair	0.06	
	"	window casing	"	good	0.16	
	"	sewer pipe	tan	"	3.2	✓
	"	window sill	brown	peeling	1.9	✓
	"	rafter tail	"	"	11.0	✓
	"	window sill	"	"	0.21	
	"	window trim	"	"	0.2	
	"	window sash	"	"	6.8	✓
	carport	block wall	tan	good	0.03	
	"	beam	brown	"	0.0	

11721 Woodside

Bldg.	Room	Component	Color	Condition	Pb(mg/cm²)	Positive
	garage	ext. window sill	brown	peeling	16.0	✓
	"	side door frame	"	"	1.0	✓
	"	side door	"	"	0.8	
	"	stucco	tan	good	0.0	
	int.	wall (plywood)	greenish	"	1.0	✓
	"	storage cabinet	"	"	1.9	✓
	"	wall (wood siding)	white	peeling	0.02	
	"	roof framing	silverish	fair	0.07	
	"	beam	silver	"	0.09	
	"	garage metal roll up door	white	good	0.0	
	house ext.	front door	"	"	0.0	
	family room	ceiling plaster	greenish	"	0.01	
	kitchen	porch window sill	white	"	0.14	
	"	built-in cabinets	"	"	0.16	
	"	ceramic wall tile	yellow	"	16.0	✓
	"	accent " "	brown	"	22.0	✓
	"	plaster (wall) under paneling wood	greenish	"	0.18	
	RR	plaster	white	"	0.14	
	"	ceramic shower tile & countertop	gray	"	13.0	

Bldg.	Room	Component	Color	Condition	Pb(mg/cm²)	Positive
106	LR	accent ceramic tile	maroon	good	25.0	+
	"	cabinet	white	"	0.1	
	family	window casing	brown	"	0.18	
	front bedroom	wall	green/b	"	0.14	
	bedr.	window casing (metal)	brown	"	0.1	
	"	floor boards	"	fair	0.03	
	"	plaster	white	good	0.03	
	back bedr	plaster	"	"	0.02	

11745

Bldg.	Room	Component	Color	Condition	Pb(mg/cm^2)	Positive
	ext.	block wall	white	good	0.0	
	"	window casing	blue/gray	"	3.7	✓
	"	"	"	fair	3.5	✓
	"	rafter	white	"	3.2	✓
	"	roof boards	"	"	3.1	✓
	"	porch beam	"	peeling	4.3	
	"	ceramic at entry	tan	good	0.0	
	"	gate (metal)	black	"	0.03	
	"	block wall -	white	"	0.0	
	"	roof boards.	"	peeling	2.3	✓
	"	plywood	"	good	0.0	
	"	back door trim	"	"	0.0	
	"	wall at back porch	"	"	0.0	
	"	RR window casing	blue/gray	"	2.1	✓
	"	rafter tail	tan	peeling	2.0	✓
	"	gable	white	fair	5.1	✓
	bedroom	door	"	good	0.12	
	"	plaster	"	"	0.01	
	"	window sash	"	"	6.3	

Bldg.	Room	Component	Color	Condition	Pb(mg/cm²)	Positive
	corridor	bedr. door frame	white	good	0.0	
	bedr.	plaster	"	"	0.1	
	corridor	RR door	"	"	0.02	
	"	RR door frame	"	"	0.2	
	RR	window sash	"	"	0.2	
	ext.	window sash	gray/blue	fair	2.8	✓
	RR	plaster	white	good	0.1	
	kitchen	plaster	"	"	0.2	
	living	closet plaster	"	"	0.18	
	kitchen	cabinets	"	"	0.3	
	"	wall	"	"	0.21	
	"	ceramic wall tile patch	"	"	0.02	
	laundry	back door	"	"	0.26	
	"	plaster	"	"	0.19	
	living	plaster	"	"	0.2	
	"	window casing	"	"	0.21	

1179

Bldg.	Room	Component	Color	Condition	Pb(mg/cm²)	Positive
	exterior	brick siding	tan	good	0.02	
	"	door casing	brown	"	3.4	V
	"	porch floor	tan	"	5.1	V
	"	rafter tail	"	"	1.0	V
	"	roof boards	"	"	0.7	V
	"	roof boards	"	"	0.8	
	"	utility meter board	"	"	1.8	V
	"	door casing	"	"	4.1	V
	"	gable	tan	"	1.2	V
	"	rafter tail	"	"	1.5	V
	"	front door	brown	good	0.3	
	living	plaster	white	good	-0.3	
	"	window sash	"	"	0.3	
	"	closet door	"	"	0.0	
	"	closet plaster	"	"	0.02	
	kitchen	plaster	"	"	0.1	
	"	cabinets	"	"	0.04	
	"	window casing	"	"	0.3	
	laundry	back door	"	"	0.13	
	"	plaster	"	"	0.3	

(2)

11749

Bldg.	Room	Component	Color	Condition	Pb(mg/cm²)	Positive
	corridor	closet door	white	good	0.0	
	"	plaster	"	"	0.0	
	"	RR door frame	"	"	0.02	
	RR	plaster	"	"	0.0	
	"	floor ceramic tile	tan	"	0.01	
	corridor	bedr. door frame	white	good	0.42	
	bedr	door	"	"	0.01	
	"	plaster	"	"	0.02	
	"	window comp	"	"	0.2	
	corridor	door comp	"	"	0.01	
	bedr	plaster	"	"	0.2	
	"	window sill	"	"	0.24	

1147

Bldg.	Room	Component	Color	Condition	Pb(mg/cm²)	Positive
	ext.	plywood	white	good	0.0	
	"	rafter tail	"	peeling	10.0	✓
	"	window casing	blue/gray	good	2.7	✓
	"	block wall	white	"	0.01	
	"	sheet metal siding	white	"	0.01	
	"	rafter tail	tan	peeling	3.2	✓
	"	window casing	blue/gray	fair	0.16	
	"	"	"	good	3.6	✓
	"	brick wall	white	"	0.23	
	entry	brick wall	"	"	0.01	
	" (ext.)	door frame (used to be)	"	"	1.2	✓
	living	plaster	"	"	0.2	
	"	closet plaster	"	"	0.16	
	"	closet woodwork	"	"	0.0	
	"	arch to kitchen	"	"	0.0	
	kitchen	plaster	"	"	0.4	
	"	cabinets	"	"	0.5	
	"	arch to laundry	"	"	0.2	
	laundry	plaster	"	"	0.0	

Bldg.	Room	Component	Color	Condition	Pb(mg/cm^2)	Positive
	laundry	window comp	white	good	0.2	
	"	brick wall	"	"	0.0	
	living	wood panelling	"	"	0.1	
	corridor	closet woodwork	"	"	0.0	
	"	plaster	"	"	0.04	
	RR	door	"	"	0.2	
	"	door frame	"	"	0.6	
	"	plaster	"	"	0.1	
	bedroom	plaster	"	"	0.0	
	"	window sash	"	"	0.1	
	"	door	"	"	0.2	
	"	door frame	"	"	0.0	

11743

Bldg.	Room	Component	Color	Condition	Pb(mg/cm²)	Positive
	ext.	back porch post	brown	good	0.02	
	"	concrete block wall	white	"	0.01	
	"	beam	"	"	4.0	✓
	"	eave	brown	"	3.2	✓
	"	wood siding	white	"	0.05	
	"	window casing	brown	"	0.03	
	"	plywood siding	tan	"	0.0	
	"	rafter tail	"	peeling	5.7	✓
	"	block wall -	"	good	0.02	
	"	window trim	brown	"	0.31	
	"	door casing	"	"	0.0	
	living	window sash	white	good	0.5	
	"	window frame	"	"	0.12	
	"	plaster	"	"	-0.6	
	"	closet door frame	"	"	0.2	
	"	closet door	"	"	-0.4	
	"	closet woodwork	"	"	0.1	
	"	front door	"	"	0.0	
	"	arch to kitchen	"	"	0.1	

(D)

11743

Bldg.	Room	Component	Color	Condition	Pb(mg/cm²)	Positive
	kitchen	plaster	white	good	0.1	
	"	cabinet	white	"	0.3	
	laundry	plaster	"	"	0.1	
	"	window comp.	"	"	0.2	
	kitchen	"	"	"	0.2	
	laundry	plywood wall	"	"	0.4	
	"	back door	"	"	3.2	+
	"	cabinet	"	"	0.0	
	"	brick wall -	"	"	0.0	
	corridor	closet door	"	"	0.4	
	"	closet plaster	"	"	0.0	
		" woodwork	"	"	0.2	
	"	RR door frame	"	"	0.0	
	RR	door	"	"	0.1	
	"	plaster	"	"	0.0	
	corridor	beds. door frame	"	"	0.2	
	bedr.	window comp	"	"	0.17	
	"	door	"	"	0.2	
	"	plaster	"	"	0.5	

Laboratory Reports:

The asbestos laboratory reports, numbers 112030, 112032, 112028, 112027, 112024112026, prepared by QuanTEM Laboratories, LLC follow. The 19 pages of the laboratory reports are not counted in the page total shown in the page footers.

QUANTEM® LABORATORIES

2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2068

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No.	112030	Client:	Masek Consulting Services, Inc. 23478 Sandstone St. Mission Viejo, CA 92692
Account Number:	B066		
Date Received:	05/10/2004		
Received By:	Elaine Crump		
Date Analyzed:	05/12/2004	Project:	11719 Woodmole
Analyzed By:	Joe Melton	Project Location:	N/A
Methodology:	EPA 600	Project Number:	N/A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	
001	11719-1	Homogeneous	Beige Floor Tile	Asbestos Not Present	Cellulose	2
002	11719-2	Homogeneous	White Texture	Asbestos Not Present	Cellulose	<1
003	11719-3	Homogeneous	Beige Floor Tile	Asbestos Not Present	NA	
004	11719-4	Homogeneous	White Texture	Asbestos Not Present	Cellulose	<1
005	11719-5	Homogeneous	White Texture	Asbestos Not Present	Cellulose	<1
006	11719-6	Homogeneous	White Texture	Asbestos Not Present	Cellulose	<1
007	11719-7	Homogeneous	White Texture	Asbestos Not Present	Cellulose	<1

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QUANTEM® LABORATORIES

2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No:	112030	Client:	Masek Consulting Services, Inc.
Account Number:	B066		23478 Sandstone St.
Date Received:	05/10/2004		Mission Viejo, CA 92692
Received By:	Elaine Crump		
Date Analyzed:	05/12/2004	Project:	11719 Woodmole
Analyzed By:	Joe Melton	Project Location:	N/A
Methodology:	EPA 600	Project Number:	N/A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)

Joe Melton, Analyst

5/12/04
Date of Report

QuanTEM is a NVLAP accredited TEM and PLM laboratory (Lab Code: 101959). This report relates only to the specific items tested. NVLAP accreditation applies only to AHERA analysis [40CFR Ch. 1 (1-1-87 ed.) Part 763, Appendix A to Subparts E and F]. This report may not be used to claim product endorsement by NVLAP or any other agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory

From: Masek Consulting Services, Inc.
23478 Sandstone • Mission Viejo, CA 92692
Phone: (949) 581-8503 • FAX: (949) 581-8423 • E-mail fsmmcsl@cox.net

112030

Chain Of Custody To QuanTEM Laboratories, LLC

QuanTEM Laboratories, LLC
2033 Heritage Park Dr.
Oklahoma City, OK 73120
FAX: 405-755-2058
Phone: 405-755-7272 or 800-822-1650

Fed-Ex number: 135316873

Project: 11719 Woodside

Samples and Analysis Needed:

☑ PLM (1% or greater or none detected, **not** trace) 11719 - 1 to 7

☐ PCM _____ ☐ TEM(AHERA / Level II), _____

☐ Other _____

Turnaround is measured from the day and time the samples are received at the lab:

Asbestos: ☒ Slow (3 Days) ☐ Normal (48 Hour) ☐ Rush (24 Hour) ☐ Same Day.

Please FAX the **signed** results ***with this chain of custody form*** to us.

Sent Date: 5/7/04 Signature: [signature]

Lab: Date/Time: 5/10/04 9:30 Name/ Signature: Elaine Crump

QUANTEM® LABORATORIES

2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No.	112032	Client:	Masek Consulting Services, Inc. 23478 Sandstone St. Mission Viejo, CA 92692
Account Number:	B066		
Date Received:	05/10/2004		
Received By:	Elaine Crump		
Date Analyzed:	05/12/2004	Project:	11721 Woodnole
Analyzed By:	S. Baker	Project Location:	N/A
Methodology:	EPA 600	Project Number:	N/A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	
001	11721-1	Homogeneous	Gray Shingle	Asbestos Not Present	Cellulose	60
002	11721-2	Homogeneous	Black Roofing	Asbestos Not Present	Cellulose	60
003	11721-3	Homogeneous	Green Shingle	Asbestos Not Present	Cellulose	60
004	11721-4	Homogeneous	Gray Roofing	Asbestos Not Present	Cellulose	60
005	11721-5	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose	60
006	11721-6	Homogeneous	White Window Glazing	Asbestos Not Present	NA	
007	11721-7	Homogeneous	White Stucco	Asbestos Not Present	Cellulose	<1
008	11721-8	Homogeneous	Gray Stucco	Asbestos Not Present	Cellulose	1.5

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No.: 112032
Account Number: B066
Date Received: 05/10/2004
Received By: Elaine Crump
Date Analyzed: 05/12/2004
Analyzed By: S. Baker
Methodology: EPA 600

Client: Masek Consulting Services, Inc.
23478 Sandstone St.
Mission Viejo, CA 92692

Project: 11721 Woodnole
Project Location: N/A
Project Number: N/A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)
009	11721-9	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60
010	11721-10	Homogeneous	Gray Shingle	Asbestos Not Present	Cellulose 60
011	11721-11	Homogeneous	Green/White Shingle	Asbestos Not Present	Cellulose 60
012	11721-12	Layered	Tan Floor Tile	Asbestos Not Present	NA
012a			Black/Yellow Mastic	Asbestos Present Chrysotile 7	Cellulose <1
013	11721-13	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 70
014	11721-14	Homogeneous	Black Mastic	Asbestos Present Chrysotile 8	Cellulose 2

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 112032
Account Number: B066
Date Received: 05/10/2004
Received By: Elaine Crump
Date Analyzed: 05/12/2004
Analyzed By: S. Baker
Methodology: EPA 600

Client: Masek Consulting Services, Inc.
23478 Sandstone St.
Mission Viejo, CA 92692

Project: 11721 Woodnole
Project Location: N/A
Project Number: N/A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	
015	11721-15	Homogeneous	White Plaster	Asbestos Not Present	Cellulose	<1
016	11721-16	Homogeneous	Gray Plaster	Asbestos Not Present	Cellulose	<1
017	11721-17	Homogeneous	Brown Floor Tile	Asbestos Present Chrysotile 5	NA	
018	11721-18	Layered	Black Mastic	Asbestos Present Chrysotile 7	Cellulose	<1
018a			Black Tar Paper	Asbestos Present Chrysotile 3	Cellulose	60
019	11721-19	Homogeneous	Brown Floor Tile	Asbestos Not Present	NA	
020	11721-20	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	
021	11721-21	Homogeneous	Cream Stucco	Asbestos Not Present	Cellulose	1.5

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No.	112032	Client:	Masek Consulting Services, Inc 23478 Sandstone St. Mission Viejo, CA 92692
Account Number:	B066		
Date Received:	05/10/2004		
Received By:	Elaine Crump		
Date Analyzed:	05/12/2004	Project:	11721 Woodnole
Analyzed By:	S. Baker	Project Location:	N/A
Methodology:	EPA 600	Project Number:	N/A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)
022	11721-22	Homogeneous	Gray Stucco	Asbestos Not Present	Cellulose <1

Sandra Baker

S. Baker, Analyst

5/12/04

Date of Report

QuanTEM is a NVLAP accredited TEM and PLM laboratory (Lab Code: 101959). This report relates only to the specific items tested. NVLAP accreditation applies only to AHERA analysis [40CFR Ch. 1 (1-1-87 ed.) Part 763, Appendix A to Subparts E and F]. This report may not be used to claim product endorsement by NVLAP or any other agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory

From: Masek Consulting Services, Inc.
23478 Sandstone • Mission Viejo, CA 92692
Phone: (949) 581-8503 • FAX: (949) 581-8423 • E-mail fsmmcsi@cox.net

112032

Chain Of Custody To QuanTEM Laboratories, LLC

QuanTEM Laboratories, LLC
2033 Heritage Park Dr.
Oklahoma City, OK 73120
FAX: 405-755-2058
Phone: 405-755-7272 or 800-822-1650

Fed-Ex number: 135316873

Project: 1121 Woodsail

Samples and Analysis Needed:

☑ PLM (1% or greater or none detected, not trace) 1121-1 to 22

☐ PCM _____ ☐ TEM(AHERA / Level II), _____

☐ Other _____

Turnaround is measured from the day and time the samples are received at the lab:

Asbestos: ☑ Slow (3 Days) ☐ Normal (48 Hour) ☐ Rush (24 Hour) ☐ Same Day.

Please FAX the **signed** results ***with this chain of custody form*** to us.

Sent Date: 5/7/04 Signature: Fiume Mon

Lab: Date/Time: 5/10/04 9:30 Name/ Signature: Blaine Crump

QUANTEM® LABORATORIES

2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 112026
Account Number: B066
Date Received: 05/10/2004
Received By: Elaine Crump
Date Analyzed: 05/11/2004
Analyzed By: S. Baker
Methodology: EPA 600

Client: Masek Consulting Services, Inc.
23478 Sandstone St.
Mission Viejo, CA 92692

Project: 11745 Woodnole
Project Location: N/A
Project Number: N/A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	
001	11745-1	Homogeneous	Green Plaster	Asbestos Not Present	Cellulose	<1
002	11745-2	Homogeneous	Gray Plaster	Asbestos Not Present	Cellulose	<1
003	11745-3	Homogeneous	White Window Glazing	Asbestos Not Present	Cellulose	<1
004	11745-4	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose Glass Fiber	10 5
005	11745-5	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Glass Fiber Synthetic	5 5
006	11745-6	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Glass Fiber Synthetic	5 5
007	11745-7	Homogeneous	Tan Floor Tile	Asbestos Not Present	Cellulose	4
008	11745-8	Homogeneous	Yellow Mastic	Asbestos Not Present	Cellulose	<1

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No: 112026
Account Number: B066
Date Received: 05/10/2004
Received By: Elaine Crump
Date Analyzed: 05/11/2004
Analyzed By: S. Baker
Methodology: EPA 600

Client: Masek Consulting Services, Inc.
23478 Sandstone St.
Mission Viejo, CA 92692

Project: 11745 Woodnole
Project Location: N/A
Project Number: N/A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)
009	11745-9	Homogeneous	Cream Floor Tile	Asbestos Present Chrysotile 2	NA
010	11745-10	Homogeneous	Black Mastic	Asbestos Present Chrysotile 5	NA
011	11745-11	Homogeneous	Tan Floor Tile	Asbestos Not Present	Cellulose 4
012	11745-12	Homogeneous	Yellow Mastic	Asbestos Not Present	Cellulose 15
013	11745-13	Homogeneous	Cream Floor Tile	Asbestos Present Chrysotile 2.5	NA
014	11745-14	Homogeneous	Black Mastic	Asbestos Present Chrysotile 5	Cellulose <1

Sandy Baker
S. Baker, Analyst

5/11/04
Date of Report

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112026

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23478 Sandstone • Mission Viejo, CA 92692
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QuanTEM Laboratories, LLC
2033 Heritage Park Dr.
Oklahoma City, OK 73120
FAX: 405-755-2058
Phone: 405-755-7272 or 800-822-1650

Fed-Ex number: 135316873

Project: 11743-1174~~9~~ Woodside

Samples and Analysis Needed: 11745-1 to 14; 11747-1 to 10

☑ PLM (1% or greater or none detected, **not** trace) 11749-1 to 6, 11743-1 to 10

☐ PCM _____ ☐ TEM(AHERA / Level II), _____

☐ Other _____

Turnaround is measured from the day and time the samples are received at the lab:

Asbestos: ☒ Slow (3 Days) ☐ Normal (48 Hour) ☐ Rush (24 Hour) ☐ Same Day.

Please FAX the **signed** results ***with this chain of custody form*** to us.

Sent Date: 5/7/04 Signature: June Mon

Lab: Date/Time: 5/10/04 9:30 Name/ Signature: Elaine Crump

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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No.	112028	Client:	Masek Consulting Services, Inc. 23478 Sandstone St. Mission Viejo, CA 92692
Account Number:	B066		
Date Received:	05/10/2004		
Received By:	Elaine Crump		
Date Analyzed:	05/12/2004	Project:	11749 Woodnole
Analyzed By:	Joe Melton	Project Location:	N/A
Methodology:	EPA 600	Project Number:	N/A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	
001	11749-1	Homogeneous	Brown Floor Tile	Asbestos Not Present	Cellulose	10
002	11749-2	Homogeneous	Black Mastic	Asbestos Present Chrysotile 2	NA	
003	11749-3	Homogeneous	White Caulk	Asbestos Present Chrysotile 2	NA	
004	11749-3A	Homogeneous	Green Plaster	Asbestos Not Present	NA	
005	11749-4	Homogeneous	Gray Plaster	Asbestos Not Present	Cellulose	<1
006	11749-5	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose Glass Fiber	10 5
007	11749-6	Homogeneous	Beige Floor Tile	Asbestos Not Present	Cellulose	<1

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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2088

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No.:	112028	Client:	Masek Consulting Services, Inc. 23478 Sandstone St. Mission Viejo, CA 92692
Account Number:	B066		
Date Received:	05/10/2004		
Received By:	Elaine Crump		
Date Analyzed:	05/12/2004	Project:	11749 Woodnole
Analyzed By:	Joe Melton	Project Location:	N/A
Methodology:	EPA 600	Project Number:	N/A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)

Joe Melton, Analyst

5/12/04
Date of Report

QuanTEM is a NVLAP accredited TEM and PLM laboratory (Lab Code: 101959). This report relates only to the specific items tested. NVLAP accreditation applies only to AHERA analysis [40CFR Ch. I (1-1-87 ed.) Part 763, Appendix A to Subparts E and F]. This report may not be used to claim product endorsement by NVLAP or any other agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory

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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 112027
Account Number: B066
Date Received: 05/10/2004
Received By: Elaine Crump
Date Analyzed: 05/12/2004
Analyzed By: Joe Melton
Methodology: EPA 600

Client: Masek Consulting Services, Inc.
23478 Sandstone St.
Mission Viejo, CA 92692

Project: 11747 Woodnole
Project Location: N/A
Project Number: N/A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)
001	11747-1	Layered	Tan Floor Tile	Asbestos Not Present	NA
001a			Yellow Mastic	Asbestos Not Present	Cellulose <1
002	11747-2	Homogeneous	Brown Floor Tile	Asbestos Present Chrysotile 10	NA
003	11747-3	Homogeneous	Black Mastic	Asbestos Not Present	Cellulose <1
004	11747-4	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 10 Glass Fiber 2
005	11747-5	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 15 Glass Fiber 3
006	11747-6	Homogeneous	Tan Floor Tile	Asbestos Not Present	NA
007	11747-7	Homogeneous	Green Plaster	Asbestos Not Present	NA

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No.	112027	Client:	Masek Consulting Services, Inc. 23478 Sandstone St. Mission Viejo, CA 92692
Account Number:	B066		
Date Received:	05/10/2004		
Received By:	Elaine Crump		
Date Analyzed:	05/12/2004	Project:	11747 Woodnole
Analyzed By:	Joe Melton	Project Location:	N/A
Methodology:	EPA 600	Project Number:	N/A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)
008	11747-8	Homogeneous	Gray Plaster	Asbestos Not Present	Cellulose <1
009	11747-9	Homogeneous	Beige Floor Tile	Asbestos Not Present	NA
010	11747-10	Layered	Yellow Mastic	Asbestos Not Present	Cellulose <1
010a			Brown Floor Tile	Asbestos Present Chrysotile 10	NA

Joe Melton, Analyst

5/12/04
Date of Report

QuanTEM is a NVLAP accredited TEM and PLM laboratory (Lab Code: 101959). This report relates only to the specific items tested. NVLAP accreditation applies only to AHERA analysis [40CFR Ch. 1 (1-1-87 ed.) Part 763, Appendix A to Subparts E and F]. This report may not be used to claim product endorsement by NVLAP or any other agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory

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23478 Sandstone • Mission Viejo, CA 92692
Phone: (949) 581-8503 • FAX: (949) 581-8423 • E-mail fsmmcsi@cox.net

112027

Chain Of Custody To QuanTEM Laboratories, LLC

QuanTEM Laboratories, LLC
2033 Heritage Park Dr.
Oklahoma City, OK 73120
FAX: 405-755-2058
Phone: 405-755-7272 or 800-822-1650

Fed-Ex number: 135316873

Project: 11743-1174~~9~~ Woodhill

Samples and Analysis Needed:

☑ PLM (1% or greater or none detected, not trace) 11745-1 to 14 ; 11747-1 to 10
11749-1 to 6 , 11743-1 to 10

☐ PCM _____ ☐ TEM(AHERA / Level II), _____

☐ Other _____

Turnaround is measured from the day and time the samples are received at the lab:

Asbestos: ☒ Slow (3 Days) ☐ Normal (48 Hour) ☐ Rush (24 Hour) ☐ Same Day.

Please FAX the **signed** results ***with this chain of custody form*** to us.

Sent Date: 5/7/04 Signature: John Mon

Lab: Date/Time: 5-10-04 9:30 Name/ Signature: Elaine Crumpo

QUANTEM® LABORATORIES

2093 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No: 112024
Account Number: B066
Date Received: 05/10/2004
Received By: Elaine Crump
Date Analyzed: 05/11/2004
Analyzed By: S. Baker
Methodology: EPA 600

Client: Masek Consulting Services, Inc.
23478 Sandstone St.
Mission Viejo, CA 92692

Project: 11743 Woodnole
Project Location: N/A
Project Number: N/A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	
001	11743-1	Homogeneous	Green Plaster	Asbestos Not Present	Cellulose	<1
002	11743-2	Homogeneous	Gray Plaster	Asbestos Not Present	Cellulose	<1
003	11743-3	Homogeneous	Brown Window Glazing	Asbestos Not Present	NA	
004	11743-4	Homogeneous	Gray Floor Tile	Asbestos Not Present	Cellulose	5
005	11743-5	Homogeneous	Gray Floor Tile	Asbestos Not Present	Cellulose	<1
006	11743-6	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose Glass Fiber	10 5
007	11743-7	Homogeneous	White/Gray Floor Tile	Asbestos Not Present	NA	
008	11743-8	Homogeneous	Black/Yellow Mastic	Asbestos Not Present	Cellulose	<1

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No.	112024	Client:	Masek Consulting Services, Inc. 23478 Sandstone St. Mission Viejo, CA 92692
Account Number:	B066		
Date Received:	05/10/2004		
Received By:	Elaine Crump		
Date Analyzed:	05/11/2004	Project:	11743 Woodnole
Analyzed By:	S. Baker	Project Location:	N/A
Methodology:	EPA 600	Project Number:	N/A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	
009	11743-9	Homogeneous	Black Mastic	Asbestos Not Present	Cellulose	<1
010	11743-10	Homogeneous	Black/Green Mastic	Asbestos Not Present	Cellulose	<1

Sandy Baker
S. Baker, Analyst

5/11/04
Date of Report

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From: Masek Consulting Services, Inc. 112024
23478 Sandstone • Mission Viejo, CA 92692
Phone: (949) 581-8503 • FAX: (949) 581-8423 • E-mail fsmmcsi@cox.net

Chain Of Custody To QuanTEM Laboratories, LLC

QuanTEM Laboratories, LLC
2033 Heritage Park Dr.
Oklahoma City, OK 73120
FAX: 405-755-2058
Phone: 405-755-7272 or 800-822-1650

Fed-Ex number: 135316873

Project: 11743-1174~~9~~: Woodside

Samples and Analysis Needed: 11745-1 to 14; 11747-1 to 10

☒ PLM (1% or greater or none detected, **not** trace) 11749-1 to 6, 11743-1 to 10

☐ PCM _____ ☐ TEM(AHERA / Level II), _____

☐ Other _____

Turnaround is measured from the day and time the samples are received at the lab:

Asbestos: ☒ Slow (3 Days) ☐ Normal (48 Hour) ☐ Rush (24 Hour) ☐ Same Day.

Please FAX the **signed** results ***with this chain of custody form*** to us.

Sent Date: 5/7/04 Signature: [signature]

Lab: Date/Time: ~~5-10-04 9:35~~ Name/ Signature: [signature]

Appendix B

Field Notes Form

Field Notes

Name: Neil Coy
Date: 2/24/06 Page: 1 of 6
Project Name: Woodside
Project Number: 0026769.01.01
Other Field Personnel: NONE
Weather Conditions: Fog & Cool
Objective: Take 3 Soil Samples

Time	
7:15	Arrived on Site. Located old Debris Pit.
8:15	Sampled HA-3. Sample location 90 FT west of EAST Property line AND 47 FT North of South Property line. Sample Depth 2 FT to 2.5 FT Soil Reddish Brown Clay with Coarse Sand.
8:30	Sampled HA-2. Sample location 298 FT West of EAST Property line. 78 FT North of South Property line. Sample Depth 1 FT to 1.5 FT Soil Reddish Brown Clay with Coarse Sand.
9:15	Sampled HA-1 Sample Location 135 FT west of EAST Property line 88 FT North of South Property line Sample Depth 9 FT to 9.5 FT Soil Reddish Brown Clay with Coarse Sand.

Appendix C

Laboratory Analytical Reports

Calscience
Environmental
Laboratories, Inc.

February 27, 2006

Jay Dablow
ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Subject: **Calscience Work Order No.:** **06-02-1357**
Client Reference: **Woodside / 0026769.01.01**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/24/2006 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Virendra R Patel

Calscience Environmental
Laboratories, Inc.
Virendra Patel
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 02/24/06
Work Order No: 06-02-1357
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Woodside / 0026769.01.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
HA-1	06-02-1357-3	02/24/06	Solid	02/24/06	02/24/06	060224L06

Comment(s): -Mercury was analyzed on 2/24/2006 3:08:07 PM with batch 060224L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	ND	0.750	1		Molybdenum	ND	0.250	1	
Barium	108	0.500	1		Nickel	5.17	0.25	1	
Beryllium	ND	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	0.491	0.250	1	
Chromium	15.3	0.2	1		Thallium	ND	0.750	1	
Cobalt	11.9	0.2	1		Vanadium	43.3	0.2	1	
Copper	16.9	0.5	1		Zinc	51.5	1.0	1	
Lead	19.2	0.5	1						

Method Blank	099-04-007-3,782	N/A	Solid	02/24/06	02/24/06	060224L04

Parameter	Result	RL	DF	Qual
Mercury	ND	0.0835	1	

Method Blank	097-01-002-7,340	N/A	Solid	02/24/06	02/24/06	060224L06

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Molybdenum	ND	0.250	1	
Arsenic	ND	0.750	1		Nickel	ND	0.250	1	
Barium	ND	0.500	1		Selenium	ND	0.750	1	
Beryllium	ND	0.250	1		Silver	ND	0.250	1	
Cadmium	ND	0.500	1		Thallium	ND	0.750	1	
Chromium	ND	0.250	1		Vanadium	ND	0.250	1	
Cobalt	ND	0.250	1		Zinc	ND	1.00	1	
Copper	ND	0.500	1		Lead	ND	0.500	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 02/24/06
Work Order No: 06-02-1357
Preparation: T22.11.5.AII
Method: EPA 6010B

Project: Woodside / 0026769.01.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
HA-1	06-02-1357-3	02/24/06	Solid	02/24/06	02/27/06	060227L03A

Parameter	Result	RL	DF	Qual	Units
Arsenic	ND	0.150	1		mg/L

Method Blank	097-05-006-3,029	N/A	Solid	02/24/06	02/27/06	060227L03A

Parameter	Result	RL	DF	Qual	Units
Arsenic	ND	0.150	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 02/24/06
Work Order No: 06-02-1357
Preparation: EPA 3050B
Method: EPA 6010B

Project Woodside / 0026769.01.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-02-1330-1	Solid	ICP 3300	02/24/06	02/24/06	060224S06

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	23	27	50-115	16	0-20	3
Arsenic	90	90	75-125	1	0-20	
Barium	82	53	75-125	7	0-20	3
Beryllium	87	87	75-125	1	0-20	
Cadmium	90	87	75-125	3	0-20	
Chromium	91	89	75-125	1	0-20	
Cobalt	93	89	75-125	3	0-20	
Copper	69	90	75-125	11	0-20	3
Lead	89	85	75-125	4	0-20	
Molybdenum	79	78	75-125	2	0-20	
Nickel	88	86	75-125	2	0-20	
Selenium	82	82	75-125	0	0-20	
Silver	97	95	75-125	1	0-20	
Thallium	81	81	75-125	1	0-20	
Vanadium	85	87	75-125	1	0-20	
Zinc	79	82	75-125	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 02/24/06
Work Order No: 06-02-1357
Preparation: T22.11.5.All
Method: EPA 6010B

Project Woodside / 0026769.01.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-02-1310-1	Solid	ICP 3300	02/23/06	02/27/06	060227S03

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	88	93	75-125	6	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST
3 Hutton Centre Dr., Suite 600
Santa Ana, CA 92707-8751

Date Received: 02/24/06
Work Order No: 06-02-1357
Preparation: EPA 7471A Total
Method: EPA 7471A

Project Woodside / 0026769.01.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
HA-1	Solid	Mercury	02/24/06	02/24/06	060224S04

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	92	92	76-136	0	0-16	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST		Date Received:	N/A
3 Hutton Centre Dr., Suite 600		Work Order No:	06-02-1357
Santa Ana, CA 92707-8751		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: Woodside / 0026769.01.01

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-002-7,340	Solid	ICP 3300	02/24/06	060224-I-06	060224L06

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Antimony	25.0	23.9	95	80-120	
Arsenic	25.0	23.9	96	80-120	
Barium	25.0	26.9	107	80-120	
Beryllium	25.0	24.1	97	80-120	
Cadmium	25.0	25.3	101	80-120	
Chromium	25.0	24.9	99	80-120	
Cobalt	25.0	26.9	107	80-120	
Copper	25.0	23.8	95	80-120	
Lead	25.0	25.8	103	80-120	
Molybdenum	25.0	25.2	101	80-120	
Nickel	25.0	27.3	109	80-120	
Selenium	25.0	22.3	89	80-120	
Silver	12.5	13.0	104	80-120	
Thallium	25.0	23.6	94	80-120	
Vanadium	25.0	24.8	99	80-120	
Zinc	25.0	26.1	104	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

ERM-WEST		Date Received:	N/A
3 Hutton Centre Dr., Suite 600		Work Order No:	06-02-1357
Santa Ana, CA 92707-8751		Preparation:	T22.11.5.AII
		Method:	EPA 6010B

Project: Woodside / 0026769.01.01

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-05-006-3,029	Solid	ICP 3300	02/27/06	060229-I-03	060227L03A

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Arsenic	5.00	4.64	93	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

ERM-WEST	Date Received: N/A
3 Hutton Centre Dr., Suite 600	Work Order No: 06-02-1357
Santa Ana, CA 92707-8751	Preparation: EPA 7471A Total
	Method: EPA 7471A

Project: Woodside / 0026769.01.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-3,782	Solid	Mercury	02/24/06	02/24/06	060224L04

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	98	98	82-124	0	0-16	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-02-1357

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Emma Dennison

From: Jay.Dablow@erm.com
Sent: Friday, February 24, 2006 3:10 PM
To: Emma Dennison
Cc: colin.young@erm.com
Subject: Woodside WO No. 06-02-1357

Emma - I am sending this clarification for the Chain of Custody submitted this morning by Neil Coy. Please run sample HA-1 for CAM 17 metals (6010) using a 24 hour TOT. Run an STLC for arsenic with a 24 hour TOT on the sample as well. Hold samples HA-2 and HA-3 for possible additional analysis.

Jay Dablow
ERM
3 Hutton Centre, Suite 600
Santa Ana, CA 92707
(714) 430-1476 ext. 2024
(714) 606-9110 (cell)
(714) 436-2940 (fax)
jay.dablow@erm.com
www.erm.com

This message contains information which may be confidential, proprietary, privileged, or otherwise protected by law from disclosure or use by a third party. If you have received this message in error, please contact us immediately at (925) 946-0455 and take the steps necessary to delete the message completely from your computer system. Thank you. Please visit ERM's web site: http://www.erm.com

Environmental Resources Management

3 Hutton Centre, Suite 600 ● South Coast Metro, CA 92707 ● (714) 430-1476 ● FAX (714) 436-2940

CHAIN OF CUSTODY RECORD

1357

NO: 1152

Page 1 of 1

PROJECT #	PROJECT NAME
0026769.01.01	Woodside

SAMPLER: (PRINT NAME)	(SIGNATURE)
Neil Coy	

RECEIVING LABORATORY: CAlScience

SAMPLE I.D.	DATE	TIME	COMP	GRAB	SAMPLING METHOD	PRESERVATIVE	ICE (Y/N)	SAMPLING VOLUME	# OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	MATRIX: GAS	REQUESTED PARAMETERS: CAM 17 Metals Leachate												
HA-3	2/24/06	8:15		X	Auger	N	Y	6" Sleeve	1	X			X			Hold									
HA-2	2/24/06	8:30		X	Auger	N	Y	↓	1	X			X			Hold									
HA-1	2/24/06	9:15		X	Auger	N	Y	↓	1	X			X												

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
	2/24/06	13:25			
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
			Stanford GSL	2/24/06	1374

FIELD REMARKS: Same Day TAT on HA-1

Please Contact ASAP

SEND REPORT TO: Jay Dablow

☐ BOTTLE INTACT ☐ CUSTODY SEALS ☐ CHILLED
☐ PRESERVED ☐ SEALS INTACT ☐ SEE REMARKS

WHITE - LABORATORY COPY CANARY - FIELD COPY PINK - DATABASE MANAGER GOLD - PROJECT FILE

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 02 - 1357

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Environmental Resources DATE: 2.24.06

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.
_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
4.1 °C IR thermometer.
_____ Ambient temperature.

Initial: ✓

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Applicable (N/A): ✓

Initial: ✓

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: ✓

COMMENTS:

Environmental Resources Management

CHAIN OF CUSTODY RECORD

NO: 1152

3 Hutton Centre, Suite 600 ● South Coast Metro, CA 92707 ● (714) 430-1476 ● FAX (714) 436-2940

Page 1 of 1

PROJECT #	PROJECT NAME
0026769.01.01	Woodside

SAMPLER: (PRINT NAME)	(SIGNATURE)
Neil Coy	

RECEIVING LABORATORY: CAlScience

SAMPLE I.D.	DATE	TIME	COMP	GRAB	SAMPLING METHOD	PRESERVATIVE	ICE (Y/N)	SAMPLING VOLUME	# OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	MATRIX: GAS	REQUESTED PARAMETERS: Cam 17 Metals Leachate												
HA-3	2/24/04	8:15		X	Auger	N	Y	6" Sleeve	1	X			X			Hold									
HA-2	2/24/04	8:30		X	Auger	N	Y	"	1	X			X			Hold									
HA-1	2/24/04	9:15		X	Auger	N	Y	↓	1	X			X												

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
	2/24/04	15:21			
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
			Sandra Gil	2/24/04	1321

FIELD REMARKS: Same Day TAT on HA-1

Please Contact ASAP

REMARKS ON SAMPLE RECEIPT:

☐ BOTTLE INTACT ☐ CUSTODY SEALS ☐ CHILLED
☐ PRESERVED ☐ SEALS INTACT ☐ SEE REMARKS

ERM REMARKS:

SEND REPORT TO: Jay Dablow

WHITE - LABORATORY COPY CANARY - FIELD COPY PINK - DATABASE MANAGER GOLD - PROJECT FILE

Memorandum

Environmental
Resources
Management

1777 Botelho Drive
Suite 260
Walnut Creek, CA 94596
(925) 946-0455
(925) 946-9968 (fax)

To: Jay Dablow

From: Jackie Luta

Date: 27 January 2006

Subject: Data Review of Woodside Samples Collected 24 February 2006

Project Number: 0026769.02.04

Data Package: Calscience Data Package 06-02-1357

The quality of the data was assessed and any necessary qualifiers were applied following the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* July 2002.

HOLDING TIME AND PRESERVATION EVALUATION

The samples were prepared and analyzed within the method prescribed time period from the date of collection. The sample shipments were received at the laboratory within the method prescribed temperature preservation requirements. None of the data were qualified based on holding time or temperature preservation exceedances.

BLANK EVALUATION

The method blank sample results were nondetected for each of the target analytes. No data were qualified based on blank results.

BLANK SPIKE EVALUATION

The laboratory control sample (LCS) recoveries were within the laboratory's limits of acceptance. The LCS recoveries indicate acceptable laboratory accuracy and precision.

MATRIX SPIKE EVALUATION

The matrix spike (MS)/matrix spike duplicate (MSD) recoveries were within the laboratory's limits of acceptance with minor exceptions; however, the sample used for the MS/MSD was not a client sample and may not be indicative of the client sample matrix, so no data required qualification. The MS/MSD outliers are presented in Table 1.

OVERALL ASSESSMENT

No data required qualification or rejection. All of the data can be used for decision-making purposes. The quality of the data generated during this investigation is acceptable for the preparation of technically defensible documents.

Table 1
Spike Recoveries Outside of Acceptable Limits
Woodside

Lab Package	Spike Sample ID	Associated Sample	Compound	Recovery (%)	Limit (%)	RPD	RPD Limit
06-02-1357	Batch QC	NA	Antimony	23/27	50-115	16	20
06-02-1357	Batch QC	NA	Barium	82/53	75-125	7	20
06-02-1357	Batch QC	NA	Copper	69/90	75-125	11	20

Key:
RPD = Relative percent difference
Batch QC = The spike sample was not a client sample
NA = Not applicable

P.O. BOX 129261
SAN DIEGO, CA 92112-9261
ATTN: NASSER SIONIT
(619) 338-2239
(619) 338-2315 (FAX)
WEB SITE: www.co.san-diego.ca.us/deh/lwq/sam

Check # 2246

FOR OFFICE USE:
Date Received Aug 3, 05
Submittal Fee Paid $ 230.00
Establishment # H599667-002

REC 08-17-05 10:55 ROSE 179627
CHK $230.00

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH

VOLUNTARY ASSISTANCE PROGRAM
APPLICATION FOR ASSISTANCE

(PLEASE READ BOTH PAGES OF THIS APPLICATION PRIOR TO COMPLETION)

No Rpt.
KD 8-16
MV 8-17

A. Site Name **CalMat 20 Acre Property** Assessors Parcel Number 382-250-03 00 (New) 394-011-17 (old)

Site Address: **No street address but the project is located at the intersection of Channel Road and Mapleview, on the west side of the intersection in Lakeside CA 92071**

B. Property Owner **Lakeside's River Park Conservancy** ✓

Mailing Address **11769 Water Hill Road, Lakeside CA, 92040** ✓

Contact Person **Robin Rierdan, Project Manager** Telephone **(619) 443-4770** ✓

C. Application Submitted By:
Contact Person **Same See Above** Telephone ( )

Company Name

Mailing Address

Note: Applicant is responsible for payment to the County. Invoices will be sent to the applicant at this address unless other arrangements are made.

Brief Project Description

The parcel in questions is part of a potential land swap agreement, which would include only a 7 acre portion on the reclaimed portion of the site. It has had significant soils analysis completed on it which show levels of hydrocarbon contamination. The potential new user for this property is a truck transfer station. Essentially, the site would be paved for this use. The project is described as follows: Construction of a 30,000 sq.ft. Cross-dock steel building together with the paving of the entire lot of approximately 7 acres. Site will be used by a national trucking company for freight consolidation and forwarding. Office area within the structure limited to approximately 1,500 sq.ft.

Type of Assistance Requested

We request that the soil testing results be analyzed in light of the potential user and that a 'No Further Action' letter be issued by the County of San Diego to Lakeside's River Park Conservancy.

I accept the application requirements and project review conditions listed on Page 2 of 2 and I agree to pay all costs associated with DEH staff time and services within 30 days of receiving an invoice.

Robin Rierdan
Original Signature of Applicant

Robin Rierdan
Printed Name

Date July 26, 05

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH

VOLUNTARY ASSISTANCE PROGRAM

The Voluntary Assistance Program is designed to provide the applicant with staff consultation, project review, and public health assessment pertaining to properties suspected or known to be contaminated with hazardous substances. California Health and Safety Code Sections 101480-101490 authorize the County Department of Environmental Health (DEH) to enter into voluntary agreements for the oversight of remedial action at sites contaminated by wastes.

The DEH staff will review and manage all projects in accordance with applicable regulatory requirements, industry practices, and the current version of the DEH Site Assessment and Mitigation Manual. Our goal throughout project review is the protection of human health, water resources and the environment. Upon completion of a project, DEH will issue a letter addressing the applicant's specific project goals. Open lines of communication between DEH and the applicant provide the best opportunities for expedient review and successful project resolution.

Application Requirements

- Sections A, B, C, and D must be completed on the "Application for Assistance" form (Page 1 of 2), along with the applicant's original signature.

- Fully describe your project and your specific request(s) for DEH review and written response (Section D). As necessary, include a cover letter to clarify your project needs.

- Submit all relevant documentation/reports with the application. All documents containing geologic and/or contaminant migration interpretations must be signed by an experienced professional with the appropriate California registration or certification.

- An **initial fee of $230, payable to the County of San Diego,** is required at the time of application submittal. This fee covers two (2) hours of staff review time. Staff time in excess of two hours will be invoiced to applicant and must be paid within 30 days of receipt of the invoice. The staff billing rate is currently $115/hour. **Staff assistance will not be provided on delinquent accounts.**

Project Review Conditions

- Within five (5) workdays of DEH receipt of your complete application, the project is identified by a DEH Case No. and assigned to a DEH project manager.

- The DEH will notify the Department of Toxic Substances Control (DTSC) and the Regional Water Quality Control Board (RWQCB) that the project has been submitted for DEH review.

- A copy of all written DEH correspondence will be sent to the applicant and forwarded to the legal property owner. Project files will be available for public review.

- DEH has the option of referring the project to the DTSC or RWQCB at any time during the project review process. If the applicant ceases work, or requests DEH to cease work, on a project prior to resolving site contamination issues, then DEH would refer the project to the appropriate agency and/or identify the project as unresolved in the DEH database.

JC

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
619-338-2222/FAX 619-338-2315/1-800-253-9933
www.sdcounty.ca.gov/deh/lwq

RICHARD HAAS
ASSISTANT DIRECTOR

November 22, 2005

Ms. Robin Rierdan
Lakeside's River Park Conservancy
11769 Water Hill Road
Lakeside, CA 92040

Dear Ms. Riedan:

VOLUNTARY ASSISTANCE PROGRAM, FILE H39667-002
CALMAT 20 ACRE PROPERTY
INTERSECTION OF CHANNEL ROAD AND MAPLEVIEW, LAKESIDE, CA 92071

The Department of Environmental Health (DEH), Site Assessment and Mitigation Program (SAM), reviewed the environmental investigation reports related to the above-referenced property, prepared by Kleinfelder. The reports summarize the site investigation activities performed at the above-referenced location. Provided that the information presented to DEH/SAM was complete, accurate, and representative of existing site conditions, **this agency concurs that the goals established for the subject site have been met.**

Please be advised that this letter does not relieve the responsible party of any liability under the California Health and Safety Code or the Porter Cologne Water Quality Control Act.

Changes in the proposed use of the above site as a truck transfer station/freight consolidation establishment may require reevaluation to determine if the change will pose a risk to public health.

Thank you for selecting the Department of Environmental Health as your lead agency to assist you with the progress of your environmental project. Please contact James Clay of the Site Assessment and Mitigation Program, at (619) 338-2205, if you require additional assistance.

Sincerely,

Mike Vernetti

MIKE VERNETTI, Program Manager
Supervising Environmental Health Specialist
Site Assessment and Mitigation Program

MV:JC:kd

Enclosure

cc: John Anderson, Regional Water Quality Control Board

WP/H39667-002-1105VAPCLO

Case Closure Summary
Non-LOP or Voluntary Assistance Program

I. AGENCY INFORMATION

DATE: November 3, 2005

Agency Name: County of San Diego, Environmental Health, SAM	Address: P.O. Box 129261
City/State/ZIP: San Diego, CA 92112-9261	Phone: (619) 338-2222 FAX: (619) 338-2377
DEH Staff Person: JAMES CLAY	Title: ENVIRONMENTAL HEALTH SPECIALIST

II. CASE INFORMATION

Case No. H39667-002	RWQCB Case No. NA
Site Name: CalMat 20 Acre Property	Site Address: 12124 INDUSTRY RD LAKESIDE CA 92040, LAKESIDE 92040
Property Owner: Lakeside's River Park Conservancy	

Responsible/Requesting Parties	Address	Phone Number
Lakeside's River Park Conservancy	11769 Water Hill Road, Lakeside CA 92040	619-443-4770

Type of Case: NON-TANK CASE

Agency notification of DEH Oversight: DTSC: 4/26/2005 RWQCB: 4/26/2005

III. SITE CHARACTERIZATION AND/OR INFORMATION

Purpose of Investigation: OTHER CAUSE, OTHER TYPE OF RELEASE	Substances Investigated: Fill Material analyzed for metals, VOCs, and SVOCs.

Site Characterization complete? 9/20/2005

Monitoring Wells Installed? NO	Total Number: 0	Proper Screened Interval? NA	Number of decommissioned wells: 0

Range of groundwater levels on the site? 27 FEET (ESTIMATED)	Groundwater Flow Direction: NORTH (ESTIMATED)

Most Sensitive Current Use: Existing Beneficial Groundwater Use: MUN, AGR, IND, PROC
Existing Beneficial Surface Water Use: IND, REC1, REC2 and Potential: MUN

Are Drinking Water Wells Affected? NO	RWQCB Basin Number: 907.12-Santee Hydrologic Sub Area
Is Surface Water Affected? NO	Nearest Surface Water name: SAN DIEGO RIVER -100 FEET NORTH

Off-Site Beneficial Use Impacts (addresses/locations): NONE

Non-LOP - Underground Storage Tank Oversight handled outside the LOP
Non-Tank – Voluntary Assistance Program

Case Closure Summary
Non-LOP or Voluntary Assistance Program

III. SITE CHARACTERIZATION AND/OR INFORMATION (Continued)

H39667-002

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS

	MAXIMUM	REMAINING
SOIL		
Gasoline	= 14 mg/kg	= 14 mg/kg
Diesel	= 5100 mg/kg	= 5100 mg/kg
TPH Extended	= 1430 mg/kg	= 1430 mg/kg
TRPH	= 24000 mg/kg	= 24000 mg/kg
Benzene	= 0.002 mg/kg	= 0.002 mg/kg
Xylene (individual isomers or total)	= 8.45 mg/kg	= 8.45 mg/kg
1,2,4-Trimethylbenzene	= 7.38 mg/kg	= 7.38 mg/kg
1,3,5-Trimethylbenzene	= 3.8 mg/kg	= 3.8 mg/kg
Acetone	= 154 mg/kg	= 154 mg/kg
Lead	= 1410 mg/kg	= 1410 mg/kg
Naphthalene	= 82 mg/kg	= 82 mg/kg
Phthalates	= 5400 mg/kg	= 5400 mg/kg
Pyrene	= 9180 mg/kg	= 9180 mg/kg
Phenanhrene	= 2140 mg/kg	= 2140 mg/kg
Pesticides	= 0.0047 mg/kg	= 0.0047 mg/kg

This Site is part of the Lakeside Conservancy Property, which is host to hundreds of thousands of cubic yards of fill material deposited onto the property from various off-site locations over many years prior to Lakeside Conservancy's ownership. The Site in question is part of a potential land swap agreement, which would include only a 7-acre portion on the reclaimed portion of the Site. Prior studies indicate that the fill averages 25 feet in thickness. This land filling operation was completed under permit and oversight by the RWQCB. An assessment was conducted of the undocumented fill at this Site located north of Highway 67 and Winter Gardens Boulevard in Lakeside, California. It has had significant soils snalysis completed on it, which display levels of petroleum hydrocarbon contamination, most likely from asphalt, which is ubiquitous in the fill material. This Site is uniformly encumbered with asphalt from the native soils to just below the last few feet of fill. Lead was reported in one material sample at the Site at an RCRA-level. The Site has been observed to contain a substantial amount of "slab" asphalt, and some of it still has roadway line paint on it, which could account for the concentration of lead in the one location. The greater volume of existing fill materials will be left in place. The potential new user for the Site is a truck transfer station. The Site would be paved for this use. A 30,000 square foot cross-dock steel building will be constructed. The Site will be used by a national trucking company for freight consolidation and forwarding. Offices within the structure will be limited to approximately 1,500 square feet. Based on the data presented, DEH concurs with the proposed use of the land.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? YES

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? YES

Does corrective action protect public health for current land use? YES

Case review based on current/proposed use as: COMMERCIAL

Are there other issues DEH needs to follow up on: NO

Site Management Requirements:
Any contaminated soil excavated as part of subsurface construction work must be managed in accordance with the legal requirements at that time.

Should corrective action be reviewed if land use changes? YES

List Enforcement Actions Taken: NONE

List Enforcement Actions Rescinded: NONE

Is this account up to date and current? YES

Case Closure Summary
Non-LOP or Voluntary Assistance Program

V. LOCAL AGENCY REPRESENTATIVE DATA

H39667-002

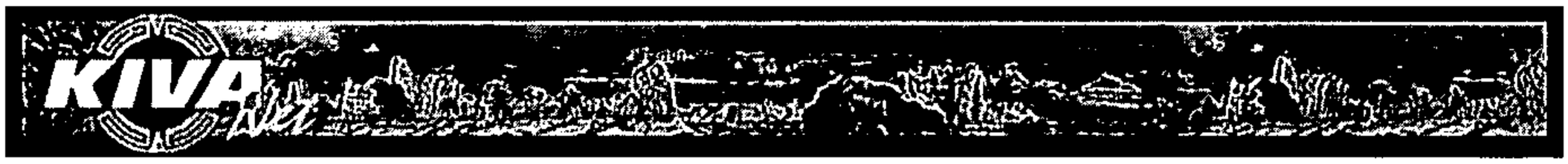
Name: KEVIN HEATON	Title: SENIOR HYDROGEOLOGIST
Signature:	Date: 11/3/2005

VI. RWQCB NOTIFICATION

Date Submitted to RWQCB: NA	RWQCB Response: NA - VAP	
RWQCB Staff Name: NA	Title: NA	Date: NA

VII. ADDITIONAL COMMENTS, DATA, ETC.

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.



COUNTY DPLU, LAKESIDE'S 12124 INDUSTRY RD Lakeside CA

Case: H39667-2 **Name:** RIVERPARK **Address:** 92040

Update / Delete Activities

Staff	JCLAYYEH - CLAY, JAMES
Activity	NT - NOTES
Date of Response/Action	28-Sep-2005
Date Received	
Date Reviewed	
Report Title	
Comments	All reports reviewed for this case were submitted for the H39667-001 case and are included in that case file.VAP case H39667-001 opened 25-Apr-2005 per application received from DPLU. Site Assessment Reports recieved on this date.

Save Changes | Delete Activity

Follow Up Activities

Activity	Due Date	Completed Date	Comments
No Follow Up Activities Found			

Add Follow Up Activity

Sionit, Nasser

From: Robin Rierdan [r2rierdan@cox.net]
Sent: Wednesday, August 10, 2005 8:34 AM
To: Sionit, Nasser
Subject: Re: APN

Hi Nasser,

This is Marco Crane and they are next door. **10168 Channel Rd**
Lakeside, CA 92040
619-938-8080

Robin Rierdan
Project Manager
Lakeside's River Park Conservancy
Are you a member of Lakeside's River Park Conservancy?

Basic membership starts at $35, that's just $3 per
month! Join our growing list of members today and
show your support for a river park in Lakeside
www.lakesideriverpark.org/about_us/membership.html
*** *A member of the San Diego River Coalition* ***

11769 Waterhill Rd.
Lakeside, CA 92040
Ph (619)443-4770, Fax (619)443-4740
www.lakesideriverpark.org
On Aug 10, 2005, at 8:25 AM, Sionit, Nasser wrote:

> Robin:
>
> This APN is not recognized by the county assessors office. Our office in DEH needs to be specific in their data base entry for locations of projects. Please find for me either a complete street address or a working APN to be able to identify the exact location of the project.
>
> Thank you,
> Nasser
>
> -----Original Message-----
> **From:** Robin Rierdan [mailto:r2rierdan@cox.net]
> **Sent:** Wednesday, August 10, 2005 7:55 AM
> **To:** Sionit, Nasser
> **Cc:** Forsythe, Robert C
> **Subject:** APN
>
> Hi Nasser, Got your message with regard to APN's for this property. The one I have is 394-011-35. I know the County did something funky with the APN, like consolidate them and now there are new numbers but I am not entirely sure what they are. Let me know if this number is helpful. If not, I will pursue the

matter further. Thanks, r2

Robin Rierdan
Project Manager

Lakeside's River Park Conservancy
Are you a member of Lakeside's River Park Conservancy?

Basic membership starts at $35, that's just $3 per month! Join our growing list of members today and show your support for a river park in Lakeside
www.lakesideriverpark.org/about_us/membership.html
*** *A member of the San Diego River Coalition* ***

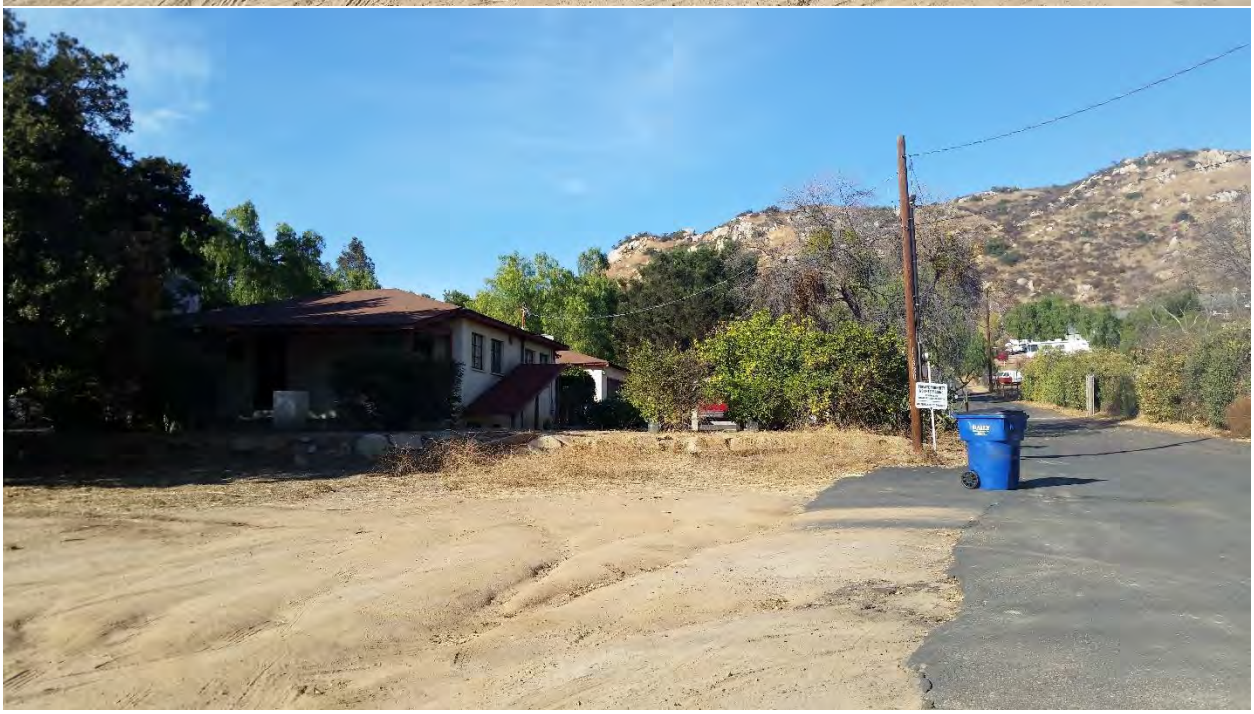
11769 Waterhill Rd.
Lakeside, CA 92040
Ph (619)443-4770, Fax (619)443-4740
www.lakesideriverpark.org

8/10/2005

Appendix C

Site Photographs







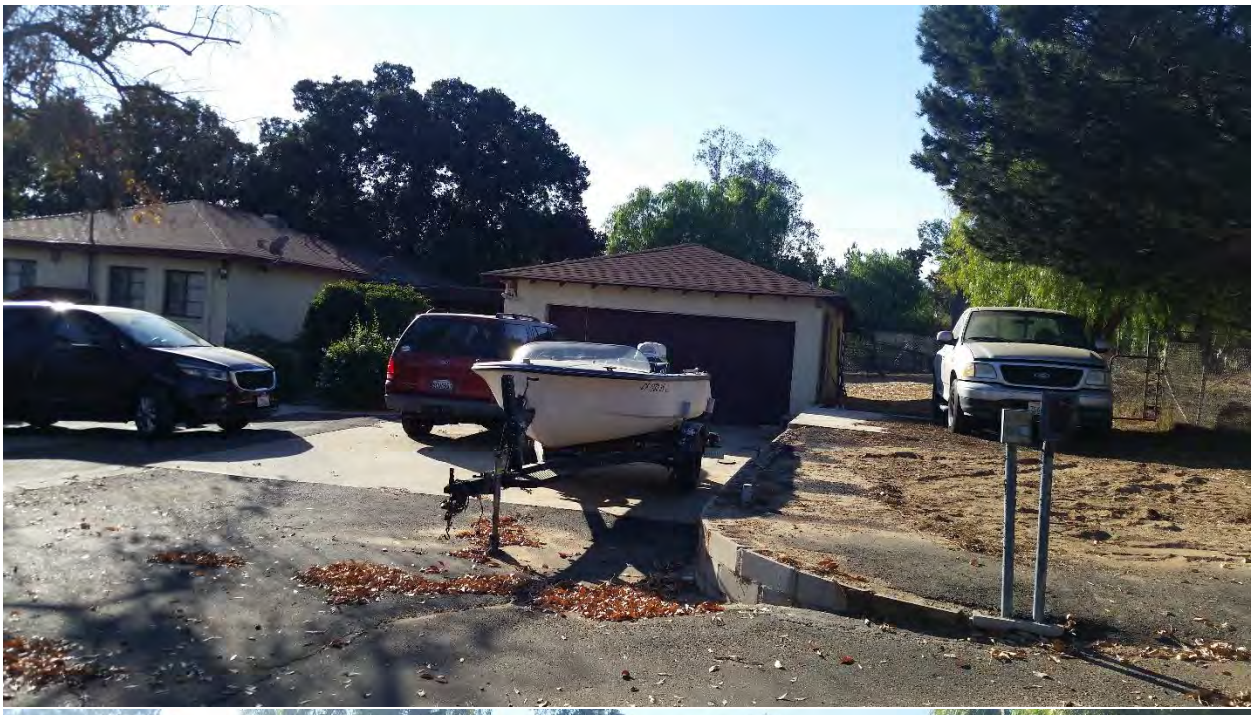









Soap
BARRICADE









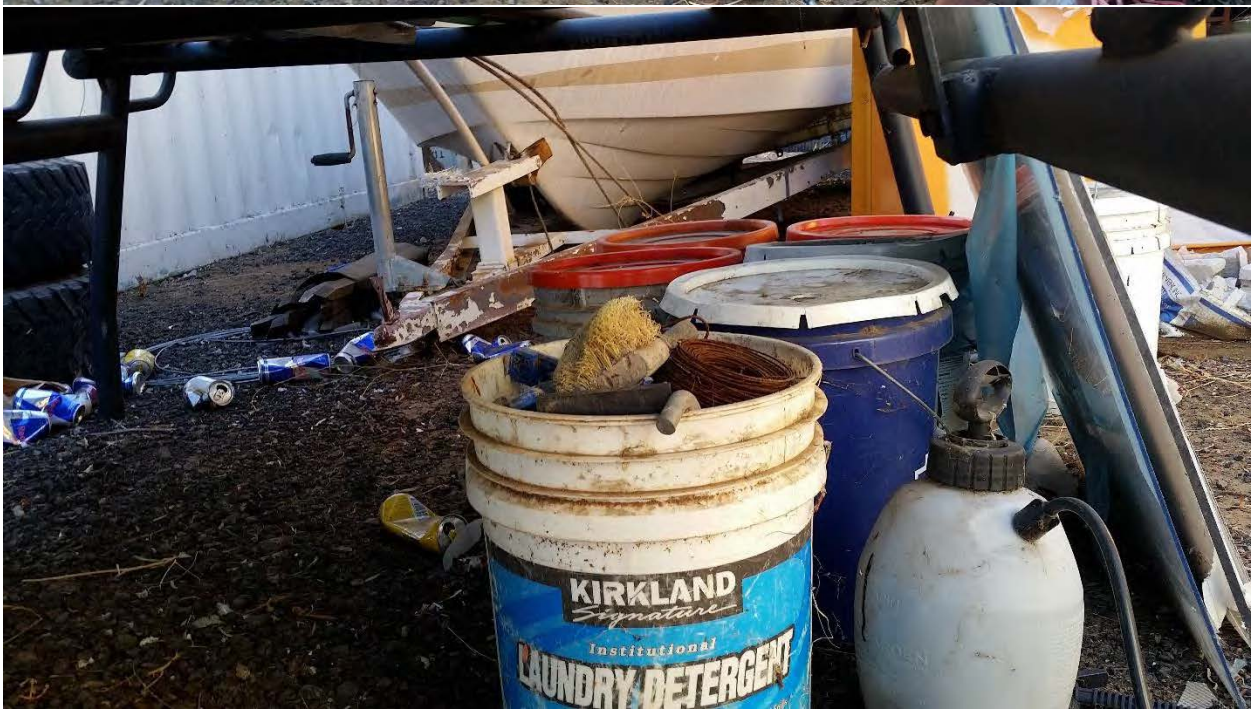











KIRKLAND
Signature
Institutional
LAUNDRY DETERGENT


TUFFAK
AIR VENT


Rieline






Wildwood
















CF 1733 HV






20
MPH


3.21.16
11324 el Nopal
REPUBLIC
SERVICES
619-421-9400
republicservices.com
CAUTION
CUIDADO







Appendix D

User-Provided Information

The Bodhi Group, Inc.
Due Diligence Environmental Questionnaire – ***Client***

11320 El Nopal, Lakeside, CA 92040
Parcel APN 379-023-39 [Site]

Please email to sree@thebodhigroup.com

Completed by: James Lackritz

Company or Organization: _____

Title: owner/investor

Date: 1/5/18

1.) Are you aware of any environmental cleanup liens that are filed or recorded against the subject property?

no

2.) Are you aware of any activity and land use limitations that are in place on the property that have been filed or recorded in a registry?

no

3.) Are you aware of any specialized knowledge or experience related to the property or nearby properties that is pertinent to potential adverse environmental conditions?

no

4.) Does the purchase price being paid (or proposed to be paid) for this property reasonably reflect the fair market value of the property? If this assessment is part of a re-finance, do you have any knowledge pertaining to the purchase price of the property when it was last sold in comparison to the fair market value at that time?

yes

5.) If there is a significant difference between the purchase price and fair market value, have you considered whether the lower purchase price is/was due to known or suspect contamination at the property?

n/a

6.) Are you aware of commonly known or reasonably obtainable information that would help us to identify conditions indicative of releases or threatened releases of hazardous wastes/materials at the property? Such information includes knowledge of specific chemicals that are present or were once present on the property, spills or other chemicals releases that may have occurred, underground or aboveground storage tanks and environmental cleanups that have been conducted on the property.

no

7.) Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

no

The Bodhi Group, Inc.
Due Diligence Environmental Questionnaire – ***Owner***

11320 El Nopal, Lakeside, CA 92040
Parcel APN 379-023-39 [Site]

Please email to sree@thebodhigroup.com

Completed by: Salim Miro

Company or Organization: SCSS Development, LLC

Title: Managing Partner

Date: 1/04/2018

1.) Who are the current owners of the Site parcels and when were the parcels purchased?
SCSS Development, LLC and Jim Lackritz. Purchased 5/06/2013.

2.) Who are the past owners of the property and years of ownership (if available)?
The property was owned by Bank of the West. It was in foreclosure when we purchased it.

3.) What was the past use of the subject property?

Residential

4.) Are you aware of any environmental cleanup liens that are filed or recorded against the subject property?

No I am not.

5.) Are you aware of any activity and land use limitations that are in place on the property that have been filed or recorded in a registry?

No I am not.

6.) Are you aware of any specialized knowledge or experience related to the property or nearby properties that is pertinent to potential adverse environmental conditions?

No I am not.

7.) Are you aware of commonly known or reasonably obtainable information that would help us to identify conditions indicative of releases or threatened releases of hazardous wastes/materials at the property? Such information includes knowledge of specific chemicals that are present or were once present on the property, spills or other chemicals releases that may have occurred, underground or aboveground storage tanks and environmental cleanups that have been conducted on the property.

I am not aware of any chemicals that was released or stored.

8.) Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

I am not aware of any contamination.

ATTACHMENT A
PROJECT ISSUE CHECKLIST

Item No.	Subject Area	Issue, Revision or Information Required	Issue Resolution Summary (Include Conditions)	Date Identified	Date Resolved
8- 1	DEH	The proposed grading on the north side of Lots 13 14 and 15 create a 5:1 cut setback that extends into the adjacent parcel (379-023-38) and may impact the existing leach field and/or available reserve areas for the property. The applicant must amend the grading to eliminate the impact, provide documentation of the property's connection or proposed connection to sewer, or determine the actual location of the existing onsite wastewater treatment system and demonstrate that the 5:1 cut setback does not encroach on either the primary or reserve areas. Locations of onsite wastewater treatment systems must be provided by a licensed (A or C42) contractor, Registered Geologist, Professional Engineer, or Registered Environmental Health Specialist. Please provide the actual location of the existing onsite wastewater treatment system of that property on a plan and demonstrate that the 5:1 cut setback does not encroach on either the primary or reserve areas. See DEH memo in attachment.		5/14/17	
9- 1	Hazards	A recent site visit by Department of Environmental Health staff indicated the potential for your project having recognized environmental concerns (REC) for onsite storage, use or transport of hazardous materials. The site was observed to have several 55-gallon drums and other waste materials that appear to be associated with the previous or current use of the property. Based on these observations, a Phase I Environmental Site Assessment (ESA) must be completed for the subject parcel. If a Phase I ESA or other site assessment was completed previously (within the last three years), submittal of that study may satisfy this requirement. If the submitted Phase I ESA indicates that potentially hazardous conditions exist onsite, further soil testing associated with a Limited Phase II ESA will be required to identify whether site conditions represent a human health or environmental hazard. The Phase I and/or II shall be completed in accordance with the American Society for Testing and Materials (ASTM) Standard Practice for Phase I and II ESA Processes and the 2004 DEH SAM Manual. Section 4.VI of the SAM Manual provides a Site Assessment Checklist for the completion of a Phase I ESA. Please submit a Phase I ESA. See hazards memo in attachment.		5/18/17	
10- 1	Landscape	Note - Requirements for landscaping are based on the County of San Diego's Water Conservation in Landscaping Ordinance, the Water Efficient Landscape Design Manual, the County of San Diego Parking Design Manual, and the Lakeside Design Guidelines. See Scope for Conceptual Landscape Plan attachment.	Information only.	4/12/2017	N/A
10- 2	Landscape	Provide a Conceptual Landscape Plan that indicates all proposed landscaping and landscape elements.		4/12/2017	

Appendix E

Qualifications of Environmental Professionals Involved in Phase I ESA

Keith Walsh and Associates, Inc.

Certificate of Completion

This Is To Certify That

SREEKUMAR GOPINATH

Has Completed 40 *Hours Of:*

DEPARTMENT OF LABOR 29CFR 1910.120 TRAINING

MAY 5,6,12 & 13, 1995
Date

CORONA, CALIFORNIA
Location

Keith Walsh
President

No 7262

DAMES & MOORE

Health & Safety Training

This Certifies that

Sreekumar Gopinath

SSN 645-30-9075

has successfully completed

8 Hour Health and Safety Supervisor

In Accordance with OSHA 29 CFR 1910.120

April 25, 1996 *Santa Ana, California*

THE AMERICAN BOARD OF INDUSTRIAL HYGIENE
INCORPORATED
CERT. NO 4212 CP
EXPIRES 12-31-2002
PENNSYLVANIA - 1960
JOHN G. DANBY, CIH

John G. Danby, CIH
Western Division Health and Safety Manager

Susan C. Gulbrandsen, CIH
Instructor

THE AMERICAN BOARD OF INDUSTRIAL HYGIENE
INCORPORATED
CERT. NO. 4902
EXPIRES 12-31-1997
PENNSYLVANIA-1960
SUSAN C. GULBRANDSEN, CIH

Keith Walsh and Associates, Inc.

Certificate of Completion

This Is To Certify That

SREEKUMAR GOPINATH

Has Completed 8 *Hours Of:*

TITLE 8 CCR SECTION 5192 REFRESHER TRAINING

AUGUST 21, 1996
Date

DAMES AND MOORE
Location

Pamela Murcell
President

NO 0444

This certifies that

Emily Burns

Completed 40 Hour Initial HAZWOPER Training
In accordance with OSHA 29 CFR 1910.120(e)(3)(i),
& 8 CCR Section 5192(e)(3)(A)
"Hazardous Waste Operations and Emergency Response"

Issue: F172575

Completed on

July 11, 2017

By

Technical Safety Institute

1195 Via Encinos Drive, Fallbrook CA 92028

Stephen Waide CIH, CSP
Training Director

American Red Cross

Emily Burns

has successfully completed requirements for

Adult First Aid/CPR/AED: valid 2 Years

Date Completed: 09/18/2014

conducted by: American Red Cross

Instructor: Christian Bell

Becky Bell

Cassie Ellis

ID: GQUJOB

Scan code or visit:

redcross.org/confirm