Appendix E

Environmental Site Assessment Reports

2015 Phase I Environmental Site Assessment

2006 Draft Phase I Environmental Site Assessment

2006 Phase II Subsurface Investigation

2015 Phase I Environmental Site Assessment

PHASE I
ENVIRONMENTAL SITE ASSESSMENT

Solana 101
329-343 South Highway 101
120-128 Dahlia Drive
Solana Beach, CA

Prepared For:

NOVA Engineering
4373 Viewridge Avenue, Suite B
San Diego, California 92123

Prepared By:
Mr. Gene Fling
First American Contracting, Inc.
7905 Silverton Avenue
Suite 107
San Diego, CA 92126

November 12, 2015

FACI Project # 96-2015

1.0 INTRODUCTION

1.1 Executive Summary

First American Contracting, Inc. (FACI) performed a Phase I Environmental Site Assessment (ESS) for the property located at 329-343 South Highway 101, and 120-128 Dahlia Drive in Solana Beach, California in November, 2015.

The subject site is approximately 1.75 acres. The site is currently under- developed with remnants of a mobile home park along the northern portion of the site, known as 329 South Highway 101. According to a previous Phase I Environmental Site Assessment (ESA) prepared by Terracon in September of 2006, the mobile home park had been in operation since the early 1950's and remained in operation until 2004. Concrete pads and other remnants of the mobile home park remain on the site. There is a former Shell Service Station on the corner of Highway 101 and Dahlia Drive known as 343 South Highway 101. Reportedly, the building was built in 1963 and remained in operation as a Service Station until 1974. All underground storage tanks (UST)'s had been removed in 1988. A small coffee kiosk has been built on the corner of the site. There are two residential structures which are part of this subject property located at 120 Dahlia Drive and 128 Dahlia Drive. Reportedly, this structure had also been used as various retail type operations. The structure at 112-114 Dahlia Drive is not part of this site.

No indications of any irrigation, domestic drinking water or monitoring wells were observed on the site.

There are no above ground storage tanks on the property.

A previous Phase I ESS indicated there were two surface mounted transformers located on the site, on the western edge of the 120 Dahlia Drive Property. One transformer was noted during our site visit in November 2015. There was no evidence of leaks or distressed vegetation on the site at that time.

NATIONAL PRIORITIES LIST

There are no listings found on the National Priority List (NPL), also known as Superfund, within a one-mile radius of the subject site.

CERCLIS

There are no listings found on the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list within a one-half mile radius of the subject site.

CORRACTS

There are no listings found on the Corrective Action (CORRACTS) list of RCRA violators within a one-mile radius of the subject site.

LEAKING UNDERGROUND STORAGE TANKS

There are 12 Leaking Underground Storage Tank (LUST) sites within a one-half mile radius of the subject site.

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) PERMITS

There is one registered Small Quantity Generator (SQG) within a .250 mile search distance.

There are no Conditionally Exempt Small Quantity Generators (CESQG) or Large Quantity Generators (LQG) of hazardous waste listed within a one-half mile radius of the property.

1.2 TABLE OF CONTENTS

1.3 Disclaimer

This report is prepared for the sole use and benefit of Dan Barnnett, Nova Engineering and Solana 101 and is based, in part, upon documents and information supplied by Nova, Terracon and Environmental Data Resources. Neither this report, nor any of the information contained herein shall be used or relied upon for any purpose by any person or entity other than Dan Barnett, Nova Engineering or Solana 101.

This report was prepared by First American Contracting, Inc. (FACI) in November 2015 and is designed to meet the Standards outlined in *ASTM E1357-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. First American Contracting, Inc. relied on information supplied by Federal, State, and Local authorities, a records search by Environmental Data Resources, Inc. (EDR) as well as interviews with persons familiar with this property and neighboring properties.

IT SHOULD BE NOTED THAT NO ENVIRONMENTAL SITE ASSESSMENT IS A CERTIFICATION THAT THE SUBJECT PROPERTY IS FREE OF HAZARDOUS SUBSTANCE CONTAMINATION.

2.0 SCOPE OF WORK

This report has been prepared by First American Contracting, Inc., and has been prepared in the format prescribed by the American Society of Testing Methods (ASTM) E-1527-13 and (EPA) 40 CFR Part 312, Standards and Practices for "All Appropriate Inquiries"-Final Rule. The methods include an on-site investigation, a records search of various Federal, State, and Local databases, a review of Sanborn Maps, a search of historical phone directories, a review of historical photographs, an ownership search, as well as a review of past and current usage of the site and neighboring sites.

3.0 SITE LOCATION AND JURISDICTION

3.1 Location and Jurisdiction

The subject property is located at 329 South Highway 101 in Solana Beach, California. Related properties at 343 South Highway 101 and 120 Dahlia Drive and 128 Dahlia Drive are also part of the subject property. Directly north of the Subject Property is medium sized commercial property anchored by CVS Pharmacy. To the west of the subject property is residential development and the Pacific Ocean beyond. Directly south of the property across Dahlia Drive is a large fully-developed retail center. East of the Subject Property, across Highway 101 are railroad tracks and more retail centers and residential housing developments beyond.

The property falls under the jurisdiction of the San Diego County, and the State of California.

3.2 Environmental Agencies:

1. U.S. EPA Region 9
   75 Hawthorne Street
   San Francisco, CA, 94105
   (San Diego Border Office (619) 235-4765

2. California Environmental Protection Agency

3. State Water Resources Control Board

3.3 Super Lien

There are no Super Liens applicable to the subject site at this time.

4.0 RECORDS REVIEW, SITE HISTORY, PRESENT AND PROPOSED USES

4.1 Current and Past Tenants and Uses

4.1.1 Past Owners

A Phase 1 ESA- The current owner of the property is American Assets Trust. Previous owners are Milton and June Ullman.

4.1.1.2 Current and Past Tenants

At the time of our inspection and report (November 2015), the mobile home park (329 South Highway 101) was vacant and all structures had been removed. Remnants of foundations, pads, sidewalks and parking areas remained.
The structure at 343 South Highway 101 is occupied by a solar heating retailer. 120 and 128 Dahlia Drive remain intact but are vacant and boarded up.

No Sanborn Maps were available for review for the area.

A review of Haines Criss-Cross Directory revealed no listings for any type of business activity at 329 South Highway 101, with the exception of:

1970 Haines Directory	Brian's Bait and Tackle Plant Facilities Designer
1976 Haines Directory	Brian's Bait and Tackle
1980 Haines Directory	Know How Masonry Spiritualist Psychic
1985 Haines Directory	No Commercial Listings
1992 Haines Directory	Academy Movers
1999 Cole Information	Academy Movers
2003 Cole Information	No Commercial Listings
2008 Cole Information	No Commercial Listings
2013 Cole Information	No Commercial Listings

343 South Highway 101

The structure at 343 South Highway 101 is currently occupied by a Solar Heating retailer and Installer. FACI reviewed Haines Criss-Cross and Cole Information Directories from 1970 to 2013. In 1970, the phone listing was American Oil Company. In 1976 and 1985 the phone was listed to San Diego Cycle Emporium. In 1992, 1995and 1999 the listing was changed to Solana Beach Produce. In 2003 the listing was Solana Stone Work and The Quick Fix. There is no Phone Listing in 2008 and 2013.

120-128 Dahlia

120 and 128 Dahlia Drive were both vacant and boarded up at the time of our inspection in November of 2015. FACI reviewed Haines Criss-Cross and Cole Information Directories from 1970 to 2013. No commercial listings were noted in 1970 and 1976.
In 1980, 120 Dahlia Drive is listed as Gracey Lloyd, and 128 Dahlia Drive is listed to Beach City Motors.
In 1985, 120 Dahlia Drive is listed to Barrera and Company Maintenance, Image Green Landscaping and Robert Mathes. 128 Dahlia is listed to Beach City Motors.
In 1992, 120 Dahlia Drive is listed to Barrera & Company Construction and 128 Dahlia Drive is listed to Beach City Motors.
In 1995, 120 Dahlia is listed to Barrera and Company Reserve Studies and Jungle Motors. 128 Dahlia is listed to Dale Bullington.
In 1999, 120 Dahlia is listed to Brady Wine Enterprises. There is no listing for 128 Dahlia.
In 2003, 120 Dahlia was listed to Alyssa Petrie, India Carroll Hair Stylist, Natalia Lopez and World of Joy. 128 Dahlia was listed to Matt Christopher.

In 2008, 120 Dahlia Street was listed to Anna San Miguel, Natalia Lopez and World of Joy. There is no listing for 128 Dahlia.
In 2008, 120 Dahlia Street was listed to Anna San Miguel. There is no listing for 128 Dahlia.

4.1.2 Evaluation of Contamination Potential

Based on the information gathered by First American Contracting, Inc. from various government and private agencies, a review of the historical aerial photographs, ground water depth and flow information, prior ownership and tenants search, as well as an on-site inspection, the potential of contamination from prior use of the property appears to be minimal.

4.1.3 Research Procedures

FACI contracted EDR, Inc. to perform a records search of data from Federal, State, and Local agencies. FACI may research records from the City of Solana Beach, San Diego County Fire Department, California Environmental Protection Agency, Polk Directory, Bressers Criss-Cross Directory and the State Water Resources Control Board for any violations or fines concerning environmental issues at the subject site and surrounding sites within a 2000 foot radius of the property.

4.2 Historic Photograph Review

Aerial photographs were reviewed by First American Contracting, Inc. to assist in defining past and present uses of the site. Historical aerial photographs were reviewed as far back as 1939 and as recent as 2012. Photos dated 1939, 1949, 1964, 1970, 1979, 1990, 2005 and 2012 have been included for review.

In the photograph dated 1939, the site is undeveloped and appears to be an orchard or small farming operation. A dirt or gravel road along the southern property line is readily apparent.

In the photograph dated 1949, what appears to be a residential structure and one outbuilding are located on the southwest corner of the site. There appears to be several mobile homes on the northwest portion of the site.

In the photograph dated 1964, the entire site has been developed. The mobile home park occupies the entire northern portion of the site. The gasoline filling station (343 South Highway 101) is visible on the

southeast corner. The building known as 112-114 Dahlia drive can be seen.

Little change is apparent in the photograph dated 1970. There are more mobile homes located in the mobile home park, but there are no significant changes from the 1964 photo.

There are no significant changes apparent in the photograph dated 1979. In the 1990 photo, it appears that the fuel island canopy has been removed.

No significant changes are apparent in the photograph dated 2005.

In the photograph dated 2012, most of the mobile homes have been removed. Concrete pads and drive areas remain.

4.3 List of Hazardous Materials

No asbestos or lead based paint survey or inspection was conducted as part of this Phase I ESS. Several buildings remain on the site and a National Emissions Standards for Hazardous Air Pollutants (NESHAPS) quality building inspection must be undertaken prior to demolition or renovation of the structures. There are several 5 gallon buckets with unknown contents, located on the site. Any contents must be categorized and disposed of according to guidelines and requirements of the Resource Conservation and Recovery Act (RCRA). There are several tires and general construction debris on the property. It would appear that this debris was more than likely abandoned by previous tenants, and not dumped by parties unrelated to the site.

4.3.1 There were no Hazardous Material Safety Data Sheets available at the subject site.

4.4 Summary of Environmentally Related Permits

No Environmentally Related permits pertaining to the subject property were found as part of this Phase I ESS.

4.5 Proposed Use Summary of Permits

N/A

4.6 Environmental Compliance

According to available information from Federal, State, and Local authorities, the subject property appears to be in compliance with environmental regulations, license, permits, etc.

4.7 Violations, Investigations, Claims, etc.

No violations, investigations or claims by city, county, state or federal agencies were encountered.

4.8 Summary of Other Pertinent Information

First American Contracting, Inc. is not aware of any other pertinent information relating to potential liabilities stemming from current or previous activity at the subject site.

5.0 PHYSICAL SITE INSPECTION

5.1 Site Description

The subject site slopes to the southwest, and measures approximately 1.75 acres. The site is 71' +/- feet above sea level. Currently, with the exception of the property at 343 South Highway 101, the property is vacant, and under-developed. Some concrete pads, foundations and remnants of the mobile home park remain on the 329 South Highway 101 site. The properties at 120 and 128 Dahlia Drive are vacant and boarded up. The property is bounded by Highway 101 on the east, Dahlia Drive on the south, Sierra Avenue on the west and a CVS Pharmacy to the north.

5.2 Site Geology and Hydrology

5.2.1 Groundwater Depth

Based upon the Permit to Abandon prepared by Applied Hydrogeologic Consultants, the depth to ground water is estimated to be greater than 40 feet below ground surface (bgs).

5.2.2 Direction of Groundwater Flow

EDR's "Geocheck" Physical Settings Summary indicates that Groundwater flow is to the WNW.

5.2.3 Potential for Soil Contamination

Based on a search of available data from numerous Federal, State and Local databases and First American Contracting, Inc.'s on-site investigation, and records of satisfactory removal and closure of five underground storage tanks from the site, there is minimal possibility of remaining contamination to soils from current or previous (post 1988) on-site activities.

Potential contamination, based on the information collected is;

Abandoned five gallon containers – There are several five gallon containers and one gallon containers remaining on the site. Contents, if any should be identified and categorized. Materials should then be disposed as outlined in the Resource Conservation and Recovery Act (RCRA).

Asbestos Materials – Asbestos has been identified in 6 of the 26 samples obtained by Terracon, during their site investigation in 2008. Prior to demolition or renovation of the structures, a thorough inspection of the structures must be completed.

Potential for soils or groundwater contamination from Hydraulic Lift – No records of the removal of the hydraulic lift from the service bay (if one existed at all) of the former Shell Station can be found. Therefore, it is not possible to determine whether fluids from the below grade components of the lift had ever leaked.

5.2.4 Existing Soils Reports Review

Soils reports and field notes generated during the "Permit to Abandon" and discovery of the "Un-Authorized Release" are included in the "Other Pertinent Data" Section. The information is taken directly from the Terracon 2008 report. As this information is Public Record, and there are no copyright limitations, we included this information in its physical form, rather than incorporate by reference.

5.3 Hazardous Materials and Processes

There were no hazardous materials evident or in use at the subject property at the time of our inspection. No diesel Fuel or gasoline is presently stored, sold or dispensed on the property.

5.3.1 Description of Above or Underground Storage Tanks.

No Underground Storage Tanks (UST) are registered to the site at the present time. Five Underground Storage Tanks have been removed from

the property, and a Record of Satisfactory Site Mitigation has been received by the Owner of Record, from the Office of the Deputy Director, Environmental Health Services.

5.3.1.1 Compliance with Environmental Regulations

Based on First American Contracting, Inc.'s investigation of the subject property and records search of numerous Federal, State and Local agencies, there are no known violations of environmental regulations presently under investigation or review at this time. Other than the "Un-Authorized Release" that has been previously discussed, no past violations of Environmental Regulations were encountered

5.3.2 Evidence of Leaks or Spills

There was no evidence of leaks or spills at the time of our inspection.

5.3.3 Summary of Tests

There are no known tests available for review at this time.

5.3.4 Environmental Monitoring Program

There are no known environmental monitoring programs or monitoring wells on the subject property in place at this time.

5.3.5 Surface and Subsurface Drainage

Surface drainage on the site flows to the west-north-west.

5.3.6 Existing Utilities and Transformers

There are no pole-mounted transformers located on the property. There is one surface mount transformer located on the north end of the 128 Dahlia Drive property, adjacent to Sierra Avenue. The transformer is owned by SDG&E, and remains their responsibility. No leaks or stained soil was evident at the time of our inspection.

5.3.7 Asbestos Investigation

No asbestos investigation was conducted as part of this ESS.

5.4 Other Information/Previous Investigations

There is a previous asbestos investigation report pertaining to the property. Six of twenty six samples obtained were found to contain asbestos content. No other reports were available for review at the present time.

5.5 Radon Gas

Samples for Radon were not collected.

5.6 Lead Paint

No samples of Paint were collected and analyzed for lead content. Portions of the structures on the site were constructed prior to 1978, the phase out date for Lead Based Paint.

5.7 Summary of Remedial Work

Five underground storage tanks (UST)'s were removed from the site in 1988. During the removal operations, it was discovered that one, 500 gallon waste oil tank had ruptured, and waste oils had impacted the surrounding soils. Over-excavation of the site was conducted and removed contaminated soils was disposed off-site as contaminated waste. A "No Further Action Required" letter was received from the San Diego Department of Health. Correspondence, field notes and lab analysis are included in the "Other Pertinent Data" section of this report.

5.8 Potential Impact of Urea Formaldehyde

Results of First American Contracting, Inc.'s on-site investigation indicate there is no suspect urea formaldehyde materials present at the site.

5.9 Summary of Potential Hazards

There are potential hazards located and identified at the subject site at the present time. The potential hazards are identified as;

5.9.1 Abandoned five gallon containers – There are several five gallon containers and one gallon containers remaining on the site. Contents, if any should be identified and categorized. Materials should then be disposed as outlined in the Resource Conservation and Recovery Act (RCRA).

Asbestos Materials – Asbestos has been identified in 6 of the 26 samples obtained

by Terracon, during their site investigation in 2008. Prior to demolition or renovation of the structures, a thorough inspection of the structures must be completed.

Potential for soils or groundwater contamination from Hydraulic Lift – No records of the removal of the hydraulic lift from the service bay (if one existed at all) of the former Shell Station can be found. Therefore, it is not possible to determine whether fluids from the below grade components of the lift had ever leaked.

6.0 ADJACENT LAND USE AND REVIEW OF REGULATORY RECORDS

6.1 Current and Historical Adjacent Property Uses

Directly north of the Target Property is a CVS Pharmacy and mix of residential and commercial development beyond. East of the Subject Property is Highway 101, railroad tracks and mix of residential and commercial development. Directly south of the property is Dahlia Drive and a large Commercial shopping center. East of the property is Sierra Avenue, with residential development beyond.

6.2 National Priority List (NPL)-Super Fund Sites

6.2.1 National Priority List

There are no NPL or Super Fund Sites listed within a one-mile radius of the subject site.

6.3 List of RCRA Permits

There is one Small Quantity Generator of Hazardous Waste listed within a one-half mile distance from the subject property. Generators of Hazardous waste are classified as "Small Quantity Generator" (SQG), producing more than 100 and less than 1000 kg/month of non-acutely hazardous waste. The generator is California Furniture Collections, located at 307 S. Cedros Avenue. The potential for negative impact from this site, to the subject site is minimal.

There are no Large Quantity Generators of hazardous waste listed within a one-half mile radius of the property. Generators of Hazardous waste are classified "Large Quantity Generators" (LQG) which may produce 1000 or more kg/month of non-acutely hazardous waste.

6.4 Existing Permits, License, Registrations

There are no Solid Waste Landfills, Treatment, Storage or Disposal Sites within a one-half mile radius of the site.

6.5 Historical Aerial Photograph Review of Neighboring Properties

Aerial photographs were reviewed by First American Contracting, Inc. to assist in defining past and present uses of the site. Historical aerial photographs were reviewed as far back as 1939 and as recent as 2012. Photos dated 1939, 1949, 1964, 1970, 1979, 1990, 2005 and 2012 have been included for review.

In the photograph dated 1939, the surrounding area is sparsely developed with residential and possibly a small amount commercial development. Most of the land is used for some type of agricultural activity.

In the photograph dated 1949, the land directly adjacent to the subject site remains undeveloped. Additional residential development can be seen west of highway 101. Additional commercial development can be seen directly east of the railroad line. The remaining land is undeveloped or used for agricultural purposes.

In the photograph dated 1964, commercial structures have been built directly north of the property, and directly south of the subject property, across Dahlia Drive. Large residential developments and commercial buildings have overcome the agricultural dominance of the surrounding area.

In the photograph dated 1970, no additional development is noted on properties directly adjacent to the subject property. Additional subdivision and infill type developments can be seen in all directions from the subject site.

In the photograph dated 1979, large amounts of residential development is noted on adjacent property west of Sierra Drive. Subdivision and infill type developments can be seen in all directions from the subject site although it appears that the rate of single family development has slowed, and "high density development has ramped up.

In the photograph taken in 1990, there is commercial development on the adjacent property south of Dahlia Drive. Additional commercial development can be seen south of Dahlia Drive. The property between Sierra Drive and the Pacific is fully developed.

In the photographs dated 2005 through 2012, there is little change to the area surrounding the subject property. The majority of undeveloped land has been developed with a mix of low and high density residential and light commercial.

No threats to the subject property are readily apparent.

6.6 Potential Hazard

The following potential hazards were identified in this section in respect to the subject site.

6.6.1 There are twelve sites listed on the LUST list, within a one mile radius of the subject property.

The addresses of the LUST locations and current status are;

DR. MILTON AND JUNE U 343 HWY 101 S SSW 0 - 1/8 (0.005 mi.) A1 8
Closed Date: 8/26/88
Status: Case Closed
Case Number: 9UT911

BEACHWALK CLEANERS 437 S HIGHWAY 101 SE 0 - 1/8 (0.074 mi.) B5 12
Status: Completed - Case Closed
Global Id: T0607303196

SOLANA BEACH PROPERT 437 HWY 101 S SSE 0 - 1/8 (0.100 mi.) C9 20
Closed Date: 6/13/88
Status: Case Closed
Case Number: 9UT962

BILLS CAB 201 S HIGHWAY 101 N 1/8 - 1/4 (0.163 mi.) 17 27
Status: Completed - Case Closed
Global Id: T10000000794

HANG-UP SQUARE 155 HWY 101 S N 1/4 - 1/2 (0.256 mi.) E20 32
Closed Date: 1/30/97
Status: Case Closed

TC4449510.2s EXECUTIVE SUMMARY 9
Case Number: 9UT2666

UNOCAL CORPORATION 101 S HY 101 N 1/4 - 1/2 (0.279 mi.) G22 37
Status: Completed - Case Closed
Global Id: T0607301128

UNOCAL SERVICE STATI 101 HWY 101 S N 1/4 - 1/2 (0.281 mi.) G23 39
Closed Date: 5/26/95
Status: Case Closed
Case Number: 9UT2356

SOLANA BEACH CHIROPR 155 S HY 101 N 1/4 - 1/2 (0.297 mi.) G25 40

Status: Completed - Case Closed
Global Id: T0607301414

SOLANA BEACH TRANSIT 105 CEDROS AVE N N 1/4 - 1/2 (0.298 mi.) F26 42
Closed Date: 2/15/95
Status: Case Closed
Case Number: 9UT2956

NCTD-SOLANA BEACH ST 105 N CEDROS AV N 1/4 - 1/2 (0.311 mi.) H28 46
Status: Completed - Case Closed
Global Id: T0607301723

BILL SMITH FOREIGN C 136 N CEDROS AVE N 1/4 - 1/2 (0.354 mi.) 30 49
Status: Completed - Case Closed
Closed Date: 3/6/89
Status: Case Closed
Global Id: T0607300118
Case Number: 9UT1110

DR. MILTON AND JUNE 343 101 NNW 1/8 - 1/4 (0.161 mi.) 16 26
Status: Completed - Case Closed
Global Id: T0607303153

All LUST sites are noted as "Status: Case Closed". It would appear that no further potential for contamination would be expected from any of these locations.

7.0 CONCLUSIONS

First American Contracting, Inc. has completed this Phase I Environmental Site Assessment and based on all of the available information from various Federal, State, and Local Governmental Agencies and visual inspection of the subject site.

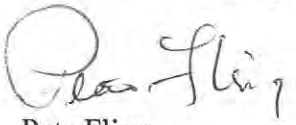
The potential for off-site contamination is moderate. The site is located in a mix of low density and high density residential and light commercial development. No prior uses of the subject site or neighboring sites are cause for concern.

8.0 SIGNATURE PAGE

This report is prepared for the sole use and benefit of Dan Barnett, NOVA Engineering and Solana 101. Neither this report, nor any of the information contained herein shall be used or relied upon for any purpose by any person or entity other than Mr. Dan Barnett and NOVA Engineering and Solana 101.

This Phase I Environmental Site Assessment has been prepared and reviewed by the undersigned parties. This report has been prepared according to the terms and conditions of the standard form of agreement between Mr. Dan Barnett and NOVA Engineering and Solana 101 and First American Contracting, Inc.

Report Reviewed By:



Pete Fling
Project Manager
November 11, 2015

9.0 APPENDIX

9.1 Present Ground Level Photographs

1. East Elevation – 343 South Highway 101
2. South Elevation – 120 Dahlia Drive
3. South Elevation – 128 Dahlia Drive
4. East Elevation – 343 S. Highway 101
5. 343 S. Highway 101 – Pumps and Islands Removed
6. North End of 128 Dahlia Drive – Pad Mounted Transformer
7. Abandoned materials stored on property
8. Buckets, tires and general debris stored on property
9. Abandoned materials stored on property
10. East Elevation – 329 S. Highway 101

Historical Aerial Photos

A-1 USGS dated 1939
A-2 USGS Dated 1949
A-3 USGS Dated 1964
A-4 Landiscor dated 1970
A-5 Landiscor dated 1979
A-6 USGS dated 1990
A-7 USDA/NAIP Dated 2005
A-8 USDA/NAIP Dated 2012

East Elevation - 343 South Highway 101

South Elevation - 120 Dahlia Drive

South Elevation - 128 Dahlia Drive

East Elevation - 343 South Highway 101

North end of 128 Dahlia Drive -
Pad Mounted Transformer

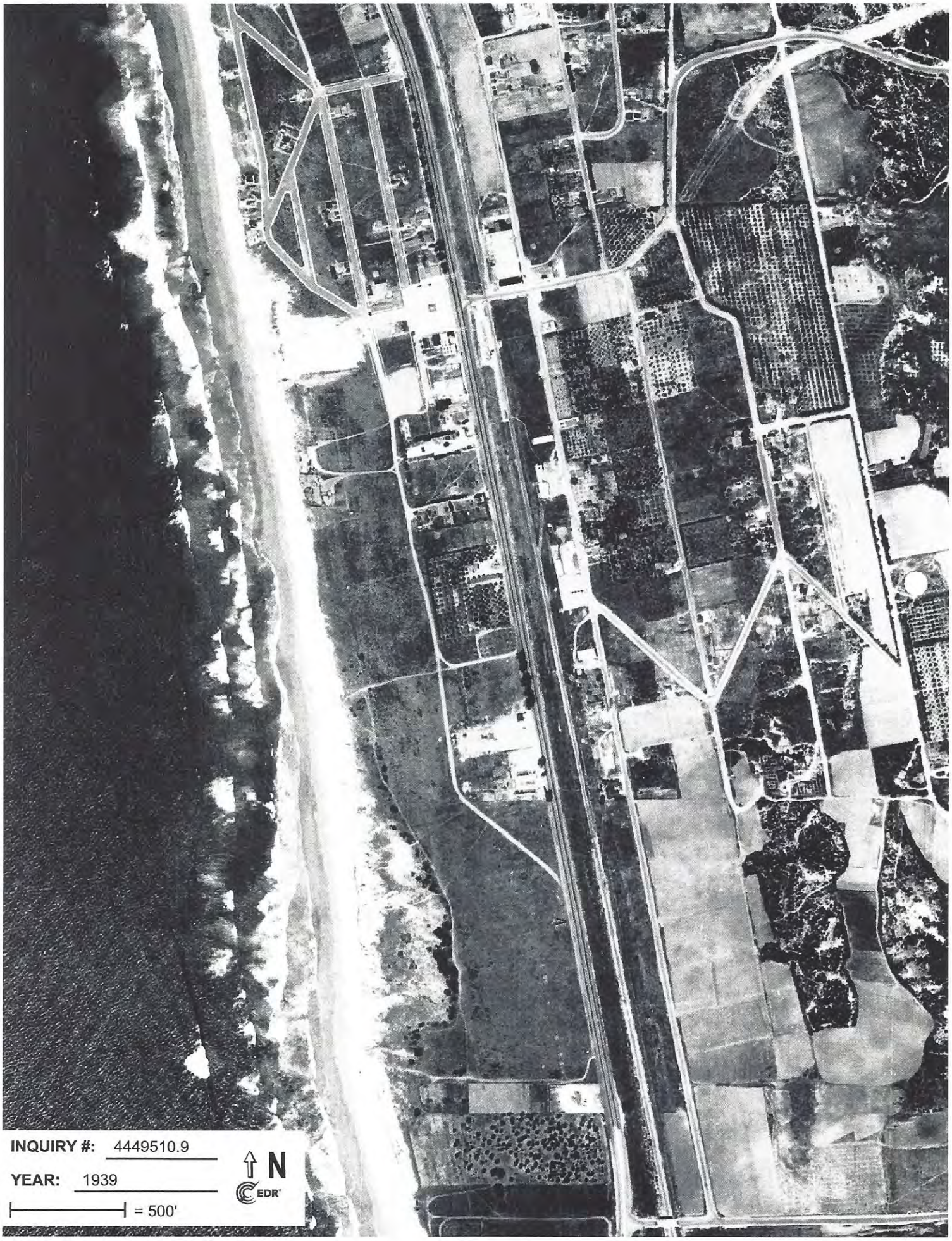
343 South Highway 101 –
Pumps and Islands Removed

Abandoned materials stored on property

Buckets, Tires and General Debris stored on property

Abandoned materials stored on property

East Elevation – 329 South Highway 101


INQUIRY #: 4449510.9
YEAR: 1939
= 500'
N
EDR

INQUIRY #: 4449510.9

YEAR: 1949

= 500'

N

EDR


INQUIRY #: 4449510.9
YEAR: 1964
= 500'
N
EDR

INQUIRY #: 4449510.9

YEAR: 1970

= 500'

N

EDR

INQUIRY #: 4449510.9

YEAR: 1979

= 500'

N

EDR

INQUIRY #: 4449510.9

YEAR: 1990

= 500'

N

EDR

INQUIRY #: 4449510.9

YEAR: 2005

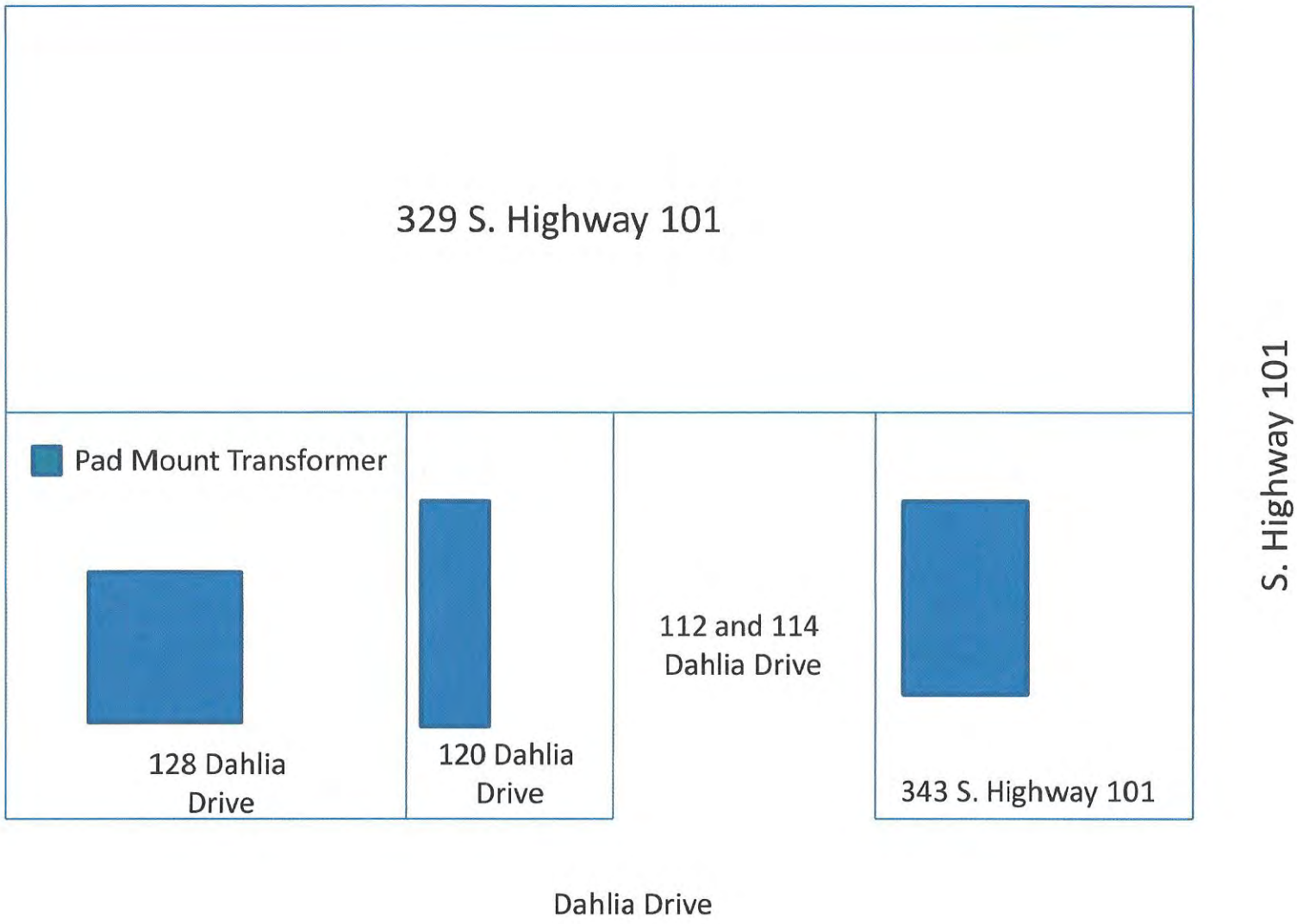
= 500'

N

EDR


INQUIRY #: 4449510.9
YEAR: 2012
= 500'
N
EDR

9.2 Site Plan


329 S. Highway 101
Pad Mount Transformer
128 Dahlia Drive
120 Dahlia Drive
112 and 114 Dahlia Drive
343 S. Highway 101
S. Highway 101
Dahlia Drive

9.3 Statement of Independence

Gene Fling, Pete Fling and First American Contracting, Inc. are not affiliated with Nova Engineering or Solana 101 and\or any subsidiaries and acted independently in preparing this Phase I Environmental Site Assessment.

2006 Draft Phase I Environmental Site Assessment

DRAFT PHASE I ENVIRONMENTAL SITE ASSESSMENT
Maganda Corporation Property
329 South Highway 101
Solana Beach, County of San Diego, California

Project No. 60068136
September 18, 2006

Prepared for:

Comerica Bank
9777 Wilshire Boulevard, 4th Floor
Beverly Hills, California 9090212

Prepared by:

3189-F Airway Avenue
Costa Mesa, California 92626

September 18, 2006

Terracon
3189 F Airway Avenue
Costa Mesa, CA 92626
714-444-2322; fax: 714-444-2110

Comerica Bank
9777 Wilshire Blvd. 4th Floor
Beverly Hills, California 90212

Attn: Brian O'Rourke
(310) 281-2415
(310) 281-2426 fax

Re: Phase I Environmental Site Assessment
Maganda Corporation Property
329 South Highway 101
Solana Beach, County of San Diego, California
Project No. 60068136

Dear Mr. O'Rourke:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Phase I Environmental Site Assessment (ESA) report for the above-referenced site. A cursory summary of findings is provided in Section 8.0. However, details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

We appreciate the opportunity to perform these services for you. Please contact us if you have questions regarding this information or if we can provide any other services. One copy of the report has been forwarded to the Environmental Risk Manager in Costa Mesa, California.

Sincerely,
Terracon

Prepared by:

Brad Dales
Project Manager

Reviewed by:

Craig O'Rourke, CHMM, REA
Director Environmental Services,
Western Operating Group

Attachments: Invoice
Two copies (or Three Copies if SBA) of ESA (project number)

Cc: One copy of report to Stephanie Giroux, ERM Administrative Assistant, in Costa Mesa with ESA Checklist

TABLE OF CONTENTS

Page No.

APPENDICES

APPENDIX A	Figure 1- Topographic Map, Figure 2 – Site Drawing, Figure 3 – Asbestos Sample Locations (128 Dahlia Drive), Figure 4 – Asbestos Sample Locations (120 Dahlia Drive)
APPENDIX B	Historical Documentation
APPENDIX C	Environmental Database Information
APPENDIX D	Site Photographs
APPENDIX E	Description of Terms and Acronyms
APPENDIX F	Analytical Results

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Maganda Corporation Property
329 South Highway 101
San Diego, County of San Diego, California 92075
Project No. 60068136

EXECUTIVE SUMMARY

This Phase I ESA of the above-referenced site was performed by Terracon Consultants, Inc. (Terracon) in accordance with our Task Order dated September 1, 2006 and in general accordance with the consensus document known as ASTM E 1527-00, a guide for conducting Environmental Site Assessments and Comerica Bank Guidance Document for Phase I Environmental Site Assessments (June 2004). Brad Dales and Anthony Wightman performed the site reconnaissance on September 11, 2006.

A cursory summary of findings is provided below. However, details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

- The site is located at 329 and 343 South Highway 101 and at 120 and 128 Dahlia Drive in Solana Beach, San Diego County, California 92075. The site is an approximately 1.75-acre tract of land that has been improved with the following: a trailer park (329 South Highway 101) consisting of a one-story ombudsman building approximately 400 square feet (s.f.), a vacated leasing office approximately 800 s.f. and approximately 24 concrete pads for trailers/ mobile homes; a one-story metal building (343 South Highway 101), which was formerly utilized as a gas station approximately 1,500 s.f.; a one-story retail commercial building (120 Dahlia Drive) approximately 1,200 s.f.; and a vacated, one-story house (128 Dahlia Drive) approximately 1,600 s.f. Each address of the site included associated asphalt driveways, parking areas and landscaping. Additionally, a small, portable coffee shop kiosk (approximately 50 s.f.) is located on the southeast corner of 343 South Highway 101. According to the County of San Diego Assessor's Office, the site is comprised of four contiguous parcels (APNs: 298-052-0600, 0700, 0800 and 1400).

- The site consisted of agricultural land from at least 1939 to approximately 1946 when the site was comprised of orchards and was later improved with small residential structures. By approximately 1953, the site was improved with what are now the majority of structures currently on-site, including the Avocado Trailer Park located on South Highway 101 and the two residential-type structures located on Dahlia Drive. In approximately 1963 the site was improved with a Shell gas station that operated on-site at the 343 South Highway 101 address to approximately 1974. The building of the former gas station on that portion of the site has apparently been used for non-hazardous retail commercial operations since then. The Avocado Trailer Park has

remained occupied by residents until approximately 2004 as was the house located at 128 Dahlia Drive. However, a review of historical records has not revealed what types of commercial operations have been conducted at the building located at 120 Dahlia Drive. Currently, on-site tenants at 343 South Highway 101 and 120 Dahlia Drive include El Sacramonte antique furniture store and The World of Joy's Hair Salon, respectively. Based on observations during the site reconnaissance, no operations involving hazardous materials or hazardous waste are being conducted on-site or on adjacent properties. The County of San Diego Department of Environmental Health approved the removal of approximately four underground storage tanks (USTs) in January of 1988 that were formerly located on what is now the southeast portion of the site (343 South Highway 101) and were associated with the previous Ullman Shell gas station. These former USTs are further discussed in subsequent paragraphs.

- Terracon performed a file review at the San Diego County Department of Environmental Health (DEH) on September 13, 2006 for the portion of the subject site located at 343 South Highway 101. According to a DEH *Underground Hazardous Materials Storage Tank Facility Application for Permit to Abandon*, dated January 19, 1988, a total of four (4) underground storage tanks (USTs) were planned to be removed from the site by a licensed contractor. The permit was completed by Applied Hydrogeologic Consultants (AHC) of San Diego, California. According to information found in the permit, one (1) 12,000-gallon gasoline UST, two (2) 8,000-gallon gasoline USTs and one (1) 500-gallon waste oil UST were to be removed and destroyed with no new tank installations planned. According to the permit, the former USTs were constructed of steel and were installed sometime between 1960 and 1965 and remained in use from approximately 1970 to 1974. Site plan maps of the former gas station show the USTs were formerly located within the north portion of the 343 South Highway 101 property.

- According to a DEH Hazardous Materials Management Division (HMMD) *Abandoned Underground Tank Report* dated February 9, 1988, a Hazardous Materials Specialist from the DEH conducted an inspection for the removal of the four USTs on-site. At the time of the tank removal, the report was completed by Mr. Gary Stephany, Deputy Director of Environmental Health Services for the DEH. Mr. Stephany indicated that contaminated soil/groundwater was suspected in the UST excavation due to a release (leak) from the 500-gallon waste oil tank. In his inspection report, Mr. Stephany subsequently required an Unauthorized Release Report to be provided to the DEH within five working days regarding the type and extent of contamination with associated analyses reports and reported method and location of disposal of the release hazardous substance, etc. The County of San Diego DEH subsequently submitted a letter of *Official Notice* dated February 18, 1988, which was submitted to June Ullman, part owner of the former Shell gas station, stating that an unauthorized release (leak) of hazardous materials occurred from tank #T0914.

- According to a report completed by AHC, *Site Characterization Study- Unauthorized Release, HMMD #T0914 of Ullman, Solana Beach, 343 South Highway 101, Solana Beach, California,* dated March 29, 1988, AHC conducted a subsurface petroleum hydrocarbon contamination study at the request of Dr. Milton Ullman for the site of an abandoned service station at 343 South Highway 101 Solana Beach, California. AHC stated that the service station had been in operation from 1963 through 1969 and that the property was being used as a bicycle repair shop at the time of the tank removal. The AHC report indicated that the three gasoline USTs showed no signs of degradation or leaks when they were removed. However, the report indicates that the former waste oil tank appeared to be rusted and contained visible holes. AHC collected soils samples from hand-augured borings within the waste oil tank excavation. Eight (8) soil borings were advanced in and around the waste oil tank excavation to determine the extent of contamination. Soil samples from the exploratory borings were screened for organic vapors on-site using a portable organic vapor meter, but none were detected. Soil samples were sent to Chemical Research Laboratories, Inc. of Garden Grove, California for petroleum hydrocarbon analysis. Soil sample analyses for the gasoline tank area indicated no detectable total petroleum hydrocarbon (TPH) contamination and the gasoline tank excavation was subsequently backfilled according to local regulatory specifications. All soil samples from the waste oil tank excavation and borings contained detectable levels of TPH contamination. As per the AHC report, the extent of the contamination plume extended 8 to 10-feet in diameter and to a depth of 18-feet in a cylindrical shape. AHC estimated the volume of contaminated soil was 32 cubic yards. AHC determined the vertical extent of the contamination plume to be at approximately 19-1/2-feet depth with an analysis result of 22 ppm of TPH.

- According to a report, *Unauthorized Release – HMMD #T0914* submitted by AHC (AHC Project #29C5.8C) and dated April 7, 1988, excavation of contaminated soil from the waste oil tank excavation was completed on March 11, 1988. The report indicted that petroleum hydrocarbon contaminated soils were removed from the excavation to a total depth of 20-feet below ground surface using a 4-feet diameter auger drill and was followed by a reaming process to open the bottom portion of the excavation to a diameter of 10-feet. AHC indicted that approximately 30 cubic yards of contaminated soil was excavated and left on-site prior to proper removal by waste manifest procedures. A total of three (3) soil samples were then collected from selected parts of the excavation for laboratory analyses using EPA Methods 418.1 (TPH), 6010 (chromium), 7421 (lead) and 8080 (PCBs). Once the initial soil samples were collected from the sides and bottom of the excavation, the boring was backfilled immediately with pea gravel for safety of the surrounding property and buildings. Initial laboratory results for the soil samples analyzed for TPH ranged from 1,300 ppm in sample S-1, 7,700 ppm for sample S-2 and 7 ppm for sample S-3. Soil sample S-2

was the only sample analyzed for chromium (1.9 ppm), lead (6.2 ppm) and PCBs (ND-0.1 ppm), which were all below actions levels. Soil sample S-1 was taken from the bottom of the excavation at 20-feet depth, soil sample S-2 was taken from the north-northwest side wall at approximately 19-feet depth and soil sample S-3 was taken from the southeast sidewall at approximately 18-1/2-feet depth. Since soil sample S-2 had the highest level of TPH contamination, AHC stated that HMMD officials requested additional borings adjacent to that sample collection point. Two additional borings, B-7 and B-8, were drilled and soil was sampled on March 22, 1988. Five soil samples were collected adjacent to the previous sample collection point S-2 at depths of 15, 17-1/2 and 20-feet depth. All five samples analyzed contained TPH concentrations of 2ppm. According to the report, AHC claimed that since the samples collected from the two additional borings showed no contamination of any significance, they concluded that no significant contamination remains beneath the site and that the problem has been adequately mitigated. Approximately 15 cubic yards of contaminated soils were transported to a designated waste handler Casmalia Resources in Casmalia, California under hazardous waste manifest on March 22, 1988. The additional 15 cubic yards of contaminated soil remained on-site until further approval of site remediation was completed.

- According to a DEH letter addressed to June Ullman, dated April 21, 1988, Mr. David Felix, Hazardous Materials Specialist, expressed concerns regarding the site mitigation update on April 7, 1988. In his letter, Mr. Felix stated that since elevated levels of TPH were found in sample S-2, soil contamination levels found in the excavation were above the Regional Water Quality Control Board established soil clean-up level of 1,000 mg/kg (ppm) TPH. Mr. Felix requested that further verification samples of native soils in the excavation near sample location S-2 were needed to demonstrate AHC's claim that no significant contamination remains beneath the site.

- AHC responded to Mr. Felix in a letter dated April 21, 1988, addressing the concerns for the site mitigation. AHC provided clarification for sample handling procedures of sample S-2 and provided a more detailed explanation of the size and shape of the excavation boring. AHC stated that on April 15, 1988, an additional boring (B-9) was completed approximately 1-1/2 feet northwest of the location were sample S-2 was collected. Additional samples were collected from B-9 at depths of 15, 17-1/2 and 19-feet depth and were sent to Chemical research Laboratories for analysis for TPH. Only the soil sample collected from 19-feet depth was selected for analysis, which showed a result of 1 ppm TPH. Based on these observations, AHC concluded that no significant contamination remains beneath the site.

- In a site closure letter addressed to June Ullman, dated June 13, 1988, Regarding *Unauthorized Release #T0914/H26441, 343 South Highway 101 Solana Beach*, Mr. Gary Stephany of the County of San Diego DEH indicated that the site had been

adequately mitigated. As of the date of the letter, Mr. Stephany stated that, "based on current requirements and policies, no further action is indicated at this time." Based on this information, the remedial activities conducted at the site (343 South Highway 101) appear to constitute a historical recognized environmental condition (HREC) at this time.

- The regulatory review identified four (4) CORTESE, one (1) Notify 65, eight (8) LUST, one (1) HIST, six (6) SWEEPS UST, and one (1) San Diego Co. HMMD facilities within the specified search radii. The site is listed as a LUST and SWEEPS UST facility.

  Dr. Milton and June Ullman / June & Milton Ullman were identified as the responsible party for the chemical release discovered at the site address of 343 South Highway 101 where a Shell gas station was formerly located on the southeast portion of the site. This former facility is identified on the LUST and SWEEPS UST lists. The LUST database indicates that a corroded underground tank was the source of a leak discovered during a tank closure on February 9, 1988 (case number 9UT911). The LUST file also indicates that the only type of media affected by the leak was soil, which was subsequently excavated and disposed of in an approve site. Groundwater at the site was reported at greater than 10 feet depth. The case status was reported as closed on August 26, 1988.

  A total of four tanks were recorded in the SWEEPS UST database for the facility. Two 8,000-gallon tanks and one 12,000-gallon tank were reported to contain motor vehicle fuel and one 500-gallon tank contained petroleum. No other pertinent information was provided in the LUST or SWEEPS UST databases. According to the EDR report remedial actions were implemented and the case was closed. Based on the historical release, the type of media affected and the closed case status, this facility appears to constitute a HREC at this time. Further detail regarding this former facility is discussed in Section 3.7.

  The Robert M. Irish, Inc. / Solana Beach Property & S. Jacoby facility is identified on the SWEEPS UST list and is located approximately 300 feet south-southeast of the site. The facility is listed with a total of five (5) USTs ranging in capacity from 300-gallons to 3,600-gallons and containing leaded motor vehicle fuel and waste oil. The dates when the USTs were installed were not reported. The SWEEPS database provides no other pertinent information for this facility. No violations were reported. Based on the lack of violations or releases, reported distance from the site and down-gradient position, this facility does not appear to constitute a REC or PAOC at this time.

  The CBS Scientific Company, Inc. facility is identified on the LUST and San Diego Co. HMMD lists and is located approximately 430 east-northeast of the site. According to

the LUST database, the release discovery date was February 3, 1992. However, the type of substance, the source and approximate amount of the release was not reported. Only soil was affected by the release and MTBE was required to be tested. The LUST case status of the facility is reported as closed and a responsible party was identified. Based on observations made during the site reconnaissance, the facility is separated from the site by a rail road trench approximately 20 feet deep below ground surface. The San Diego Co. HMMD (HMMD) database indicates that the facility contains a hazardous materials inventory, which includes compressed hydrogen gas, naptha, compressed oxygen gas and polymeric diphenylmethane diisocyanate. The quantities of hazardous materials stored on the facility were not reported. HMMD inspection violations reported for the facility included: no employee training program in July of 1998; unavailability of training records in April of 2000; and the training program was discovered to be inadequate in January of 2002. No other violations were reported for the facility. Based on the lack of environmentally related violations or releases, the type of media affected, reported distance from the site and cross-gradient position, this facility does not appear to constitute a REC or PAOC at this time.

The McKenna RF facility is identified on the SWEEPS UST list and is located approximately 650 feet southeast of the site. The SWEEPS record was created on February 29, 1988 and indicates that one 550-gallon UST containing regular unleaded gasoline is located on the facility. No violations or releases were reported. No other pertinent information was provided in the SWEEPS database for the facility. Based on the lack of violations or releases, reported distance from the site, and cross-gradient position, this facility does not appear to constitute a REC or PAOC at this time.

The Coast Plumbing facility is identified on the HIST UST and SWEEPS UST lists and is located approximately 650 feet southeast of the site. Both the HIST UST and SWEEPS UST databases indicate that one 1,000-gallon UST containing regular unleaded gasoline is located on the facility and was installed in 1978. No violation or releases were reported for this facility. No other pertinent information was provided in the databases for this facility. Based on the lack of violations or releases, reported distance from the site, and cross-gradient position, this facility does not appear to constitute a REC or PAOC at this time.

The EZ Equipment Rental Centers facility is identified on the SWEEPS UST list and is located approximately 800 feet north of the site. The SWEEPS record was created on February 29, 1988 and indicates that two (2) 550-gallon USTs containing regular leaded gasoline and other fuel are located on the facility. No violations or releases were reported. No other pertinent information was provided in the SWEEPS database for the facility. Based on the lack of violations or releases, reported distance from the

site, and cross-gradient position, this facility does not appear to constitute a REC or PAOC at this time.

The Bills Cab facility is identified on the SWEEPS UST list and is located approximately 1,000 feet north of the site. The SWEEPS database indicates that two (2) 550-gallon USTs containing regular leaded gasoline and other fuel and two (2) 600-gallon USTs containing regular leaded and unleaded gasoline are located on the facility. No violations or releases were reported. No other pertinent information was provided in the SWEEPS database for the facility. Based on the lack of violations or releases, reported distance from the site, and cross-gradient position, this facility does not appear to constitute a REC or PAOC at this time.

The following site features of note were observed at the time of the site reconnaissance:

- Although no evidence of hydraulic lifts were observed within the former gas service station building at the time of the site reconnaissance, it is not known if hydraulic lifts and associated equipment were properly removed form the site. The floor area of the former gas station building that may have previously contained the lifts was covered with furniture and, therefore, observations were limited. Ms. Jennifer Sanchez, owner of El Sacramonte furniture store stated she has been leasing the space at the former gas station building for approximately five months. She stated that there were no hydraulic lifts or equipment associated with a gas station left and she did not notice any staining or strong odors within the building. Mr. Luis stated that there were no hydraulic lifts anywhere on the site, but he was unaware as to when the lifts were removed from the 343 South Highway 101 address.

  Additionally, there was no evidence of the former gas station fuel pump equipment and associated pipelines observed at the site. Whether or not the fuel pumps and pipelines were properly removed from the site is not known. No historical records were available for review regarding the removal of the former hydraulic lifts or the pump island equipment/ pipelines. There was no evidence of stains, spills or odors in the vicinity of the former fuel pump islands. Based on observations and the above information, the lack of information regarding the proper removal of hydraulic lifts and fuel pump islands with associated pipelines appears to constitute a POAC fro this portion of the site at this time.

- Two (2) 55-gallon steel drums were observed adjacent to a vacated trailer located near the south central boundary of the trailer park, north of 120 Dahlia Drive. The drums appeared to be unlabeled, significantly rusted and had the bung caps in-place. The drums were not placed in secondary containment. However, based on observations, the two drums appeared to have been used as a base for shelving behind the vacated trailer for a long period of time. No stains, leaks, stressed vegetation or drains were

observed in the vicinity of the drums. The drums were superficially tested to check for contents by rapping on the sides and listening to the sound. Based on the sound the drums made by this test, they were apparently empty, but may contain residual product. Mr. Luis was unaware of the history of the 55-gallon drums on-site. Based upon site observations, the unlabeled 55-gallon drums located next to the trailer near the south central border of the trailer park appear to constitute a PAOC at this time.

- Several one-gallon paint cans, three (5)-gallon paint buckets, one ½-gallon container of gasoline and yard maintenance equipment were observed within the ombudsman building storage rooms located on the northeast portion of the trailer park. Four (4) one-gallon paint cans were also observed in a small metal shed on the east portion of the trailer park. The chemical products were observed in their original sealed and labeled containers, and no evidence of chemical releases, spills, staining or floor drains was observed in the vicinity of the maintenance and chemical storage areas. A minimal amount of cleaning supplies and new hair care products were observed in the hair salon at 120 Dahlia Drive. There was no evidence of chemical releases or stains in the vicinity of the cleaning and hair care products and no floor drains were observed in any of the buildings on-site. Based on site observations, the maintenance and chemical storage areas do not appear to constitute a REC or PAOC for the site at this time.

- The vertical vent pipes of the gas station USTs formerly located on-site were observed to be left in-place and were still attached to the northwest corner of the building located at 343 South Highway 101. No evidence of environmental concerns was observed with regard to the UST vent pipes. See Section 3.7 for further discussion of the gas station USTs formerly located on-site.

- Two pad-mounted transformers, owned and serviced by San Diego Gas & Electric (SDG&E), were noted outside at the southwest boundary of the site adjacent to Sierra Avenue. However, no information with regard to PCB content of the transformer fluids was observed. Transformers contain mineral oil, which may contain minor amounts of PCB and could be considered “PCB contaminated” (PCB content of 50-499 parts per million).

  SDG&E maintains responsibility for the transformers and if the transformers were considered “PCB contaminated,” the utility company is not required to replace the transformer fluids until a release is identified. However, no evidence of current or prior releases of transformer fluid was observed in the vicinity of the electrical equipment during the site reconnaissance. Based on this information, the on-site electrical equipment does not appear to constitute a REC or POAC at this time.

- During the site reconnaissance, moderate amounts of municipal trash and non-hazardous debris were observed throughout the exterior of the vacated portions of the site. Mr. Luis stated that the perimeter of the trailer park is fenced and personally monitors the trailer park grounds in the evening. However, he stated that the vacated portions of the site occasionally attract transients that temporarily stay on the site during the day. According to Mr. Luis, a gap exists in the in the west perimeter of the trailer park fence, which allows trespassers access to that portion of the site. Mr. Luis stated that much of the trash on-site is deposited by the transients and illegally dumped periodically. Additionally, illegally dumped trash was observed next to the wood storage shed (garage) of the vacated house located at 128 Dahlia Drive. Based on this information, the minimal amount of trash and debris found on-site does not appear to constitute a REC or POAC at this time.

- Six (6) out of the twenty six (26) suspect ACM samples analyzed were identified as containing >1% asbestos by PLM analysis and were collected from the vacated house located at 128 Dahlia Drive. The six (6) samples that tested positive as ACM include: vinyl floor tile and linoleum flooring. One (1) out of the twenty six (26) suspect ACM samples analyzed were identified as containing >0.1% asbestos by PLM analysis. The one (1) sample that tested positive as ACM was vinyl floor tile. All additional ACM samples collected from the vacated house and from the retail hair salon building were reported for asbestos content as none detected (ND).

Recommendations

In the professional opinion of Terracon, an appropriate inquiry has been made into the previous ownership and uses of the property consistent with good commercial or customary practice in an effort to minimize liability, and no evidence or indication of RECs or Potential Area of Concern (PAOC) has been revealed except for the following:

- Two (5) 55-gallon drums observed adjacent to the trailer located near the south central border of the trailer park – PAOC

- Lack of information pertaining to whether the pump islands and pipelines were removed properly from the former gas station – POAC

- Lack of information pertaining to whether the hydraulic lifts from the former gas station building were properly removed - POAC

Based on the visual inspection of the property, there do not appear to be significant non-compliance issues as defined in Comerica Bank guidance documents with exception to the following:

- Inadequate site security for the vacated areas, which allows uncontrolled access to those portions of the site.

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Maganda Corporation Property
329 South Highway 101
Solana Beach, County of San Diego, California 92075
Project No. 60068136

1.0 INTRODUCTION

1.1 Site Description

Site Description

Site Name	Maganda Corporation Property
Site Location/Address	329 and 343 South Highway 101; 120 and 128 Dahlia Drive, Solana Beach, County of San Diego, California 92075
Land Area	Approximately 1.75 Acres
Site Improvements	Former service station, former mobile home park, a single-family home and retail buildings

The site location is depicted on Figure 1 of Appendix A, which was reproduced from a portion of the USGS 7.5-minute series topographic map. A Site Drawing of the site and adjoining properties is included as Figure 2 of Appendix A. Acronyms and terms used in this report are described in Appendix E.

1.2 Scope of Services

This ESA was performed in accordance with our Task Order dated September 1, 2006, and in general accordance with the consensus document known as ASTM E 1527-00, a guide for conducting Environmental Site Assessments and Comerica Bank Guidance Document for Phase I Environmental Site Assessments (June 2004). The purpose of this ESA was to assist the client in developing information to identify recognized environmental conditions (RECs) and a Potential Area of Concern (PAOC). As defined by Comerica Bank, a PAOC is, "any physical area of concern or any issue of concern at the subject property (whether associated with the current or previous uses of the property, with various aspects of current and/or past operations, or with past or present built or constructed features of the property) which give rise to reasonable concerns based on reasonably foreseeable outcomes that releases of hazardous or regulated substances may have occurred at, on, to, under, or beneath the subject property….Comerica is providing this alternative terminology to cover what some consultants prefer to identify as 'other' (potential or actual) environmental concerns rather than as RECs in their reports."

This purpose was undertaken through a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations and ASTM deviations are evident from reviewing the applicable scope of services and the report text.

1.3 Standard of Care

This ESA was performed in accordance with generally accepted practices of this profession undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care but may be limited by conditions encountered during performance, a client-driven scope of services, or inability to review information not received by the report date.

Phase I ESAs, such as the one performed at this site, are of limited scope, are noninvasive and cannot eliminate the potential that hazardous, toxic or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions. No warranties, express or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated – but not eliminated – through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

1.4 Additional Scope Limitations and ASTM Exceptions

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, business environmental risk evaluations or other services not particularly identified and discussed herein. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested is not or was not received by the issuance date of the report. Consideration of such information is beyond the scope of this assessment. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder. Purchase price data, specialized knowledge or experience of the client, and activities and land use limitations, and environmental lien information were not provided by the

client for evaluation unless otherwise specified herein. This ESA was further limited by the following:

- *Credentials of the environmental assessors (resumes) and of the company (Statement of Qualifications) have not been included in this report but are available upon request.*

- *Pertinent documents are referred in the text of this report and a separate reference section has not been included.*

- *Specific property boundaries for the site were not provided. References to the site property boundaries are based on observations during the site reconnaissance, and the actual site property boundaries may differ.*

- *A written request was submitted to the local government agency regarding documented recognized environmental conditions on the site. Records were not requested for off-site properties.*

- *During performance of this assessment, Terracon was not provided with building plans or drawings.*

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

Terracon represents and agrees that the services, findings, and/or recommendations provided to Comerica Incorporated, its affiliates and subsidiaries, and their respective successors and assigns (individually and collectively "Comerica"), have been prepared, performed and rendered in accordance with procedures, practices and standards generally accepted and customary in the consultant's profession for use in similar assignments in the same area during these same time period. Terracon shall indemnify, save and hold harmless Comerica from and against any and all losses, costs, expenses and liabilities, including without limit reasonable attorneys fees, which are attributable to the breach of the above warranty, up to an aggregate amount of $1,000,000 (One Million Dollars), notwithstanding any limitation (expressed or implied) contained in any other agreement or document relating to the services, findings and/or recommendations provided by Terracon.

1.5 Reliance

This ESA report has been prepared for the exclusive use and reliance of Comerica Bank. Use or reliance by any other party is prohibited without the written authorization of Comerica Bank and Terracon.

Reliance on the ESA by the client will be subject to the terms, conditions and limitations stated in Comerica's Environmental Consultant Agreement (Master Agreement) with Terracon (September 12, 2003). Reliance will be subject to the terms, conditions and limitations stated in our Master Agreement with Comerica Bank. The limitation of liability defined in the Master Agreement with Comerica Bank is the aggregate limit of Terracon's liability to Comerica Bank.

2.0 PHYSICAL SETTING

Physical Setting

PHYSICAL SETTING INFORMATION FOR SITE AND SURROUNDING AREA		SOURCE
Topography (Refer to Appendix A for an excerpt of the Topographic Map)		
Site Elevation	Approximately 71 feet above mean sea level	Del Mar, California USGS Topographic Map, Dated 1994, EDR report
Surface Runoff/ Topographic Gradient	Generally to the southwest	
Closest Surface Water	Pacific Ocean is located approximately 800 feet to the west	
FEMA Map		
Zone	Zone X	FEMA Agency Flood Insurance Rate map, Dated June 19, 1997
Description:	An Area that is determined to be outside the 100- and 500-year floodplains.	
Soil Characteristics		
Soil Type:	Marina Series	Soil Survey by the U.S. Department of Agriculture, Compiled September, 1973., EDR Report
Description:	The Marina soils have grayish brown, light brown and brown, loamy sand near coast areas in south and south-central coast areas in California	
Geology/Hydrogeology		
Formation:	Bay Point Formation	Geology of the Del Mar Quadrangle, Southern San Diego Metropolitan Area, California, California Division of Mines and Geology, 1977
Description:	This group contains Pleistocene marine deposits and marine terrace deposits	

PHYSICAL SETTING INFORMATION FOR SITE AND SURROUNDING AREA		SOURCE
Estimated Depth to First Occurrence of Groundwater:	Greater than 20 feet below ground surface (bgs) (See below)	Underground Hazardous Materials Storage Tank Facility, Application for Permit to Abandon, completed by Applied Hydrogeologic Consultants, dated January 6, 1988
Primary Aquifer	San Dieguito Hydrologic sub-area	Water Quality Control Plan for the San Diego Region, San Diego Regional Water Quality Control Board, September 8, 1994
**Hydrogeologic Gradient:*	Not known - may be inferred to be parallel to topographic gradient to the southwest (However, see discussion below)	Del Mar, California USGS Topographic Map, Dated 1994, EDR report

*The groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be ascertained.

Based on a review of historical documents obtained from the County of San Diego Department of Health Services, Hazardous Materials Management Unit (HMMD), a total of four (4) underground storage tanks (USTs) were removed on February 9, 1988 at the southeast portion of the site associated with a former Shell gas station previously located at the 343 South Highway 101 address. In a subsequent report prepared by Applied Hydrogeologic Consultants (AHC) titled *Unauthorized Release – HMMD #T0914*, dated April 7, 1988, approximately 30 cubic yards of petroleum hydrocarbon (waste oil) contaminated soil was excavated from one of the former UST cavities on-site on March 11, 1988. According to information provided in the Permit to Abandon (January 6, 1988) by AHC, depth to groundwater beneath the site was reported to be greater than 40-feet below ground surface. Based on the mitigation evaluation and boring logs provided in the AHC report, the total depth of the UST excavation reached 20 feet bgs and groundwater was apparently not encountered. Additional details regarding the removal of the USTs from the site are provided in Section 3.7.

3.0 HISTORICAL USE INFORMATION

3.1 Historical Topographic Maps

Readily available USGS historical topographic maps were obtained from EDR, and selected maps were reviewed to identify RECs or PAOCs in connection with the site. Topographic maps from 1930, 1953, 1967and 1996 were reviewed and are summarized in the following table.

Property	Summary of Historic Topographic maps
Site	Undeveloped Land (1930), depicted as urban development (1967-1994)
North	Undeveloped land (1930), depicted as urban development (1967-1994)
South	Undeveloped land (1930), depicted as Dahlia Drive then urban development (1967-1994)
East	Highway 101 and Railroad (1930), depicted as Highway 101 and railroad then urban development (1967-1994)
West	Undeveloped land (1930), depicted as Sierra Avenue then urban development (1967-1994)

3.2 Historical Aerial Photographs

Selected historical aerial photographs from Environmental Data Resources Inc (EDR) were reviewed at approximate 10 to 15 year intervals, if readily available, to identify RECs or PAOCs in connection with the site. A photographs quality and scale may limit evaluation of these aerials. The reviewed photographs include:

- Fairchild: 1939
- Jack Ammann: 1946
- Park: 1953
- Cartwright: 1963
- AMI: 1974
- USGS, Photo ID: 1989
- USGS, Photo ID: 1994
- USGS, Photo ID: 2002

Selected photographs are summarized below:

Property	Summary of Historic Aerials
Site	Orchards (1939), two small buildings (1946), several small buildings and 3 medium-sized buildings (1953), several small buildings and several medium-sized buildings (1963-2002)
North	Orchards (1939), vegetation (1946-1953), present day configuration (1963-2002)
South	Dahlia Drive then undeveloped land (1939-1963), present day configuration (1974-2002)
East	Highway 101 then Southern California Railroad (1939-2002)
West	Sierra Drive then undeveloped land (1939-1946), Sierra Drive then residential buildings (1953-2002)

3.3 Historical City Directories

Haines Criss-Cross city directories used in this study were made available through city directory source (selected years reviewed: 1996-2006) and were reviewed at approximate five year intervals, if readily available. Since these references are copyright protected, reproductions are not provided in this report. Street listings for the site were not available prior to 1996; therefore City Directories for the adjoining properties were not available prior to 1996. The street address for the site was identified as 329 South Highway 101.

Historical City Directories

Property	Address/Listings from Historical City Directories
Site	**329 South Highway 101**: no listing (1996); Residence and Ocean Front Mortgage (2001-2006) **343 South Highway 101**: no listing (1996); Antique Market CA (2001-2006) **120 Dahlia Drive**: no listing (1996); Strip Mall - 2 occupants (2001-2006) **128 Dahlia Drive**: no listing (1996-2006)
North	**315 South Highway 101**: no listing (1996); Nobu Gourmet (2001-2006)
East	No listings
South	**437 South Highway 101**: no listing (1996); Shopping Center – 33 occupants (2001-2006)
West	No listings

The site is listed in the historical city directories as residential and retail commercial operations since 2001. However, no records prior to 1996 were available for review from the city directories. A review of the aerial photographs for the site indicates that the site was improved with various residential-type buildings and a trailer park since at least 1953. The gas station formerly located at 343 South Highway 101 is apparently visible beginning in the 1963 aerial photograph.

3.4 Historical Fire Insurance Maps

In the late nineteenth century, the Sanborn Company began preparing maps of central business districts for use by fire insurance companies. These maps were updated and expanded geographically periodically through the twentieth century. The Sanborn maps often indicate construction materials of specific building structures and the location of gasoline storage tanks.

Based upon inquiries to EDR, Inc., Sanborn Maps were not available for the site area.

3.5 Ownership Information

At the direction of the client, land title records were not reviewed as part of the scope of services.

3.6 Historical Interviews

Terracon interviewed Mr. Zach Zacharias, Property Manager for Granite Management Company by telephone on September 6, 2006, and Mr. John Luis, site caretaker, at the time of the site reconnaissance with regards to any environmental issues associated with the site. Mr. Zachariahs has been associated with the site for approximately 5 years and Mr. Luis has been associated with the site for approximately 1-1/2 years. Both Mr. Zacharias and Mr. Luis stated that the site contains a mixture of retail and residential buildings associated with four separate addresses: 329 and 343 South Highway 101; and 120 and 128 Dahlia Drive. Mr. Zacharias stated that a vacated trailer park, formerly known as Avocado Trailer Park, a former gas service station converted into a retail antique furniture store, a small coffee kiosk, a hair salon and a vacated dwelling currently occupy the site.

Mr. Zacharias and Mr. Luis concurred that trailer park existed at the 329 South Highway 101 address and was occupied since the early 1950's until approximately 2004 as was the vacated dwelling at 128 Dahlia Drive. Mr. Zacharias stated that the previous owner of the site retains ownership of the existing trailers and is planning to remove them from the site some time in the near future. Additionally, Mr. Zacharias stated that he believes the vacated dwelling at 128 Dahlia Drive will be razed in the near future. Mr. Zacharias indicated that the portion of the site located at 343 South Highway 101 was occupied by a former gas station, which ceased operations more than twenty years ago and the remaining gas station building has since been utilized for various retail businesses to the present. Mr. Zacharias was aware that the former gas station building has been occupied by, but not limited to: a bicycle shop, a produce store, a statuary and fountain retailer and two antique furniture stores. Mr. Zacharias also stated that the building located at 120 Dahlia Drive has been occupied by various retail businesses over the last 15 to 20 years and that the current occupant is a hair salon. At the time of the site reconnaissance, Mr. Luis indicted that the south contiguous property, located at 112 and 114 Dahlia Drive, which was occupied by retail businesses, was not a part of the site. Neither Mr. Zacharias nor Mr. Luis was aware of any environmental concerns associated with the site.

3.7 Prior Report Review

- Terracon performed a file review at the San Diego County Department of Environmental Health (DEH) on September 13, 2006 for the portion of the subject site located at 343 South Highway 101. According to a DEH *Underground Hazardous Materials Storage Tank Facility Application for Permit to Abandon*, dated January 19,

1988, a total of four (4) underground storage tanks (USTs) were planned to be removed from the site by a licensed contractor. The permit was completed by Applied Hydrogeologic Consultants (AHC) of San Diego, California. According to information found in the permit, one (1) 12,000-gallon gasoline UST, two (2) 8,000-gallon gasoline USTs and one (1) 500-gallon waste oil UST were to be removed and destroyed with no new tank installations planned. According to the permit, the former USTs were constructed of steel and were installed sometime between 1960 and 1965 and remained in use from approximately 1970 to 1974. Site plan maps of the former gas station show the USTs were formerly located within the north portion of the 343 South Highway 101 property.

- According to a DEH Hazardous Materials Management Division (HMMD) *Abandoned Underground Tank Report* dated February 9, 1988, a Hazardous Materials Specialist from the DEH conducted an inspection for the removal of the four USTs on-site. At the time of the tank removal, the report was completed by Mr. Gary Stephany, Deputy Director of Environmental Health Services for the DEH. Mr. Stephany indicated that contaminated soil/groundwater was suspected in the UST excavation due to a release (leak) from the 500-gallon waste oil tank. In his inspection report, Mr. Stephany subsequently required an Unauthorized Release Report to be provided to the DEH within five working days regarding the type and extent of contamination with associated analyses reports and reported method and location of disposal of the release hazardous substance, etc. The County of San Diego DEH subsequently submitted a letter of *Official Notice* dated February 18, 1988, which was submitted to June Ullman, part owner of the former Shell gas station, stating that an unauthorized release (leak) of hazardous materials occurred from tank #T0914.

- According to a report completed by AHC, *Site Characterization Study- Unauthorized Release, HMMD #T0914 of Ullman, Solana Beach, 343 South Highway 101, Solana Beach, California, dated March 29, 1988* AHC conducted a subsurface petroleum hydrocarbon contamination study at the request of Dr. Milton Ullman for the site of an abandoned service station at 343 South Highway 101 Solana Beach, California. AHC stated that the service station had been in operation from 1963 through 1969 and that the property was being used as a bicycle repair shop at the time of the tank removal. The AHC report indicated that the three gasoline USTs showed no signs of degradation or leaks when they were removed. However, the report indicates that the former waste oil tank appeared to be rusted and contained visible holes. AHC collected soils samples from hand-augured borings within the waste oil tank excavation. Eight (8) soil borings were advanced in and around the waste oil tank excavation to determine the extent of contamination. Soil samples from the exploratory borings were screened for organic vapors on-site using a portable organic vapor meter, but none were detected. Soil samples were sent to Chemical Research Laboratories, Inc. of Garden Grove, California for petroleum hydrocarbon analysis.

Soil sample analyses for the gasoline tank area indicated no detectable total petroleum hydrocarbon (TPH) contamination and the gasoline tank excavation was subsequently backfilled according to local regulatory specifications. All soil samples from the waste oil tank excavation and borings contained detectable levels of TPH contamination. As per the AHC report, the extent of the contamination plume extended 8 to 10-feet in diameter and to a depth of 18-feet in a cylindrical shape. AHC estimated the volume of contaminated soil was 32 cubic yards. AHC determined the vertical extent of the contamination plume to be at approximately 19-1/2-feet depth with an analysis result of 22 ppm of TPH.

- According to a report, *Unauthorized Release – HMMD #T0914* submitted by AHC (AHC Project #29C5.8C) and dated April 7, 1988, excavation of contaminated soil from the waste oil tank excavation was completed on March 11, 1988. The report indicted that petroleum hydrocarbon contaminated soils were removed from the excavation to a total depth of 20-feet below ground surface using a 4-feet diameter auger drill and was followed by a reaming process to open the bottom portion of the excavation to a diameter of 10-feet. AHC indicted that approximately 30 cubic yards of contaminated soil was excavated and left on-site prior to proper removal by waste manifest procedures. A total of three (3) soil samples were then collected from selected parts of the excavation for laboratory analyses using EPA Methods 418.1 (TPH), 6010 (chromium), 7421 (lead) and 8080 (PCBs).

  Once the initial soil samples were collected from the sides and bottom of the excavation, the boring was backfilled immediately with pea gravel for safety of the surrounding property and buildings. Initial laboratory results for the soil samples analyzed for TPH ranged from 1,300 ppm in sample S-1, 7,700 ppm for sample S-2 and 7 ppm for sample S-3. Soil sample S-2 was the only sample analyzed for chromium (1.9 ppm), lead (6.2 ppm) and PCBs (ND-0.1 ppm), which were all below actions levels. Soil sample S-1 was taken from the bottom of the excavation at 20-feet depth, soil sample S-2 was taken from the north-northwest side wall at approximately 19-feet depth and soil sample S-3 was taken from the southeast sidewall at approximately 18-1/2-feet depth. Since soil sample S-2 had the highest level of TPH contamination, AHC stated that HMMD officials requested additional borings adjacent to that sample collection point. Two additional borings, B-7 and B-8, were drilled and soil was sampled on March 22, 1988. Five soil samples were collected adjacent to the previous sample collection point S-2 at depths of 15, 17-1/2 and 20-feet depth. All five samples analyzed contained TPH concentrations of 2ppm. According to the report, AHC claimed that since the samples collected from the two additional borings showed no contamination of any significance, they concluded that no significant contamination remains beneath the site and that the problem has been adequately mitigated. Approximately 15 cubic yards of contaminated soils were transported to a designated

waste handler Casmalia Resources in Casmalia, California under hazardous waste manifest on March 22, 1988. The additional 15 cubic yards of contaminated soil remained on-site until further approval of site remediation was completed.

- According to a DEH letter addressed to June Ullman, dated April 21, 1988, Mr. David Felix, Hazardous Materials Specialist, expressed concerns regarding the site mitigation update on April 7, 1988. In his letter, Mr. Felix stated that since elevated levels of TPH were found in sample S-2, soil contamination levels found in the excavation were above the Regional Water Quality Control Board established soil clean-up level of 1,000 mg/kg (ppm) TPH. Mr. Felix requested that further verification samples of native soils in the excavation near sample location S-2 were needed to demonstrate AHC's claim that no significant contamination remains beneath the site.

- AHC responded to Mr. Felix in a letter dated April 21, 1988, addressing the concerns for the site mitigation. AHC provided clarification for sample handling procedures of sample S-2 and provided a more detailed explanation of the size and shape of the excavation boring. AHC stated that on April 15, 1988, an additional boring (B-9) was completed approximately 1-1/2 feet northwest of the location were sample S-2 was collected. Additional samples were collected from B-9 at depths of 15, 17-1/2 and 19-feet depth and were sent to Chemical research Laboratories for analysis for TPH. Only the soil sample collected from 19-feet depth was selected for analysis, which showed a result of 1ppm TPH. Based on these observations, AHC concluded that no significant contamination remains beneath the site.

- In a site closure letter addressed to June Ullman, dated June 13, 1988, Regarding *Unauthorized Release #T0914/H26441, 343 South Highway 101 Solana Beach*, Mr. Gary Stephany of the County of San Diego DEH indicated that the site had been adequately mitigated. As of the date of the letter, Mr. Stephany stated that, "based on current requirements and policies, no further action is indicated at this time." Based on this information, the remedial activities conducted at the site (343 South Highway 101) appear to constitute a historical recognized environmental condition (HREC) at this time.

Copies of the previous reports, including boring logs, site maps, chain-of-custodies, laboratory analyses and site closure letter for the former gas station remediation activities are included in Appendix B.

4.0 REGULATORY RECORDS REVIEW

The United States EPA and State of California database information was provided by EDR, a contract information services company, for indications of environmental concern on and in the vicinity of the site. Information in this section is subject to the accuracy of the data provided

by the information services company and the date at which the information is updated, and the scope herein did not include location of facilities listed as "unmappable".

In some of the following subsections, the words up-gradient, cross-gradient and down-gradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be ascertained.

4.1 Federal and State Databases

Listed below are the names and number of facilities identified on federal and state databases within the indicated search areas. Database definition, descriptions, and the database search report are included in the Appendices.

Federal and State Databases

Database	Description	Radius (Miles)	Facilities
Federal			
NPL	The National Priorities List (NPL) is the USEPA's database of uncontrolled or abandoned hazardous waste facilities that have been listed for priority remedial actions under the Superfund Program.	1.0	0
CERCLIS/ NFRAP	The CERCLIS database is a compilation of facilities which the USEPA has investigated or is currently investigating for a release or threatened release of hazardous substances pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980. NFRAP (No Further Remedial Action Planned) refers to facilities that have been removed and archived from its inventory of CERCLA sites.	0.5	0
RCRA CORRACTS/ TSD	The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials that are undergoing "corrective action." A "corrective action" order is issued when there has been a release of hazardous waste or constituents into the environment from a RCRA facility.	1.0	0
RCRA Non-CORRACTS/ TSD	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities that report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.	0.5	0
RCRA Generators	The Resource Conservation and Recovery Act (RCRA) Generators database, maintained by the USEPA, lists facilities that generate hazardous waste as part of their normal business practices. Generators are listed as large (LGQ), small (SQG), or conditionally exempt (CESQG) based on the volume of wastes generated per month.	0.1	0

Database	Description	Radius (Miles)	Facilities
FINDS	Facility Index System/Facility Registry System contains both facility information and 'pointer' to other sources that contain more detail.	Site	0
ERNS	The Emergency Response Notification System (ERNS) is a listing compiled by the USEPA on reported releases of petroleum and hazardous substances to the air, soil and/or water.	Site	0
State			
AWP	The CAL EPA Department of Toxic Substances Control (DTSC) maintains a database of information on properties in California where hazardous substances have been released, or where the potential for release exists.	1.0	0
Cal-Sites	Cal-Sites (DTSC) contains both known and potential hazardous substance sites.	1.0	0
CHMIRS	The California Hazardous Materials Incident Report System contains information on reported hazardous material accidental releases or spills.	Site and adjoining	0
CORTESE	The State Water Resource Control Board (LUST) integrated waste Board and the Department of Toxic Substances Control designate the sites for the list.	0.5	4
NOTIFY 65	The NOTIFY 65 database contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.	1.0	1
Toxic Pit	The State Water Resource Control Board database of sites suspected of containing hazardous substances where cleanup has not yet been completed.	1.0	0
SWF	The Integrated Waste Management Board maintains a database of Solid Waste Facilities located within California. The database information may include the facility name, class, operation type, area, estimated operational life, and owner.	0.5	0
LUST	The State Water Resources Control Board maintains a database of sites with confirmed or unconfirmed leaking underground storage tanks.	0.5	8
CA Bond EXP. PLAN	The Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act Funds-it is not updated.	1.0	0
UST/AST	Database of aboveground and underground storage tanks San Diego County.	0.1	0
VCP	VCP contains low level properties with either confirmed or unconfirmed releases and where the DTSC has been requested to oversee the assessment/remediation.	0.5	0
Indian UST/LUST	The EPA maintains a database on underground storage tanks (and leaking UST) on Indian lands.	0.5	0
CA FID UST	Facility Inventory Database contains a historical listing of active and inactive underground storage tank locations from the State Water	0.25	0

Database	Description	Radius (Miles)	Facilities
	Resources Control Board.		
CAL SLIC	Spills, leaks, investigations, & clean-up cost recovery listing maintained by the RWQCB.	0.5	0
HIST UST	The Hazardous Substances Storage Container Database is a historical listing of UST sites.	0.25	1
SWEEPS UST	Statewide Environmental Evaluation and Planning System. This listing was updated and maintained by a company contracted by the SWRCB in the early 1980's. The listing is no longer updated or maintained.	0.25	6
San Diego Co. HMMD	The San Diego County Hazardous Materials Management Division Database includes: HE58, which contains the business name, site address, business phone number, establishment, 'H' permit number, type of permit, and the business status. HE17, in addition to providing the same information provided above, this report provides inspection dates, violation received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on USTs. Unauthorized release list, which includes a summary of environmental contamination cases in San Diego County.	0.25	1
HAZNET	Database of hazardous waste manifests received by the DTSC	0.1	0
EMI	Emissions Inventory Data	0.1	0
SWRCY	Recycling facilities in California	0.5	0

The following table summarizes the site-specific information provided by the database and/or gathered by this office for identified facilities. Additional discussion for selected facilities may follow the summary table.

Listed Facilities

Facility Name and Location	Estimated Distance/Direction/Topographic Position	Database Listings
Dr. Milton and June Ullman / June & Milton Ullman 343 South Highway 101	Site	LUST, SWEEPS UST
Robert M Irish INC /. Solana Beach Prop & S Jacoby 437 South Highway 101	Approximately 300 feet south-southeast and down-gradient from the site	SWEEPS UST
CBS Scientific Company, INC. 420 South Cedros Avenue	Approximately 430 feet east-northeast and cross-gradient from the site	LUST, San Diego Co. HMMD
McKenna RF 507 South Cedros Avenue	Approximately 650 southeast and cross-gradient from the site	SWEEPS UST
Coast Plumbing 509 South Cedros Ave	Approximately 650 feet southeast and cross-gradient from the site	HIST UST, SWEEPS UST
E Z Equipment Rental Centers 235 South Highway 101	Approximately 800 feet north and cross-gradient from the site	SWEEPS UST

Facility Name and Location	Estimated Distance/Direction/Topographic Position	Database Listings
Bills Cab 201 South Highway 101	Approximately 1000 feet north and cross-gradient from the site	SWEEPS UST

Dr. Milton and June Ullman / June & Milton Ullman

As discussed in Section 3.7, the site address of 343 South Highway 101 is associated with Dr. Milton and June Ullman, the previous owners of the Shell gas station formerly located on the southeast portion of the site. This former facility is identified on the LUST and SWEEPS UST lists. The LUST database indicates that a corroded underground tank was the source of a leak discovered during a tank closure on February 9, 1988 (case number 9UT911). The LUST file also indicates that the only type of media affected by the leak was soil, which was subsequently excavated and disposed of in an approve site. Groundwater at the site was reported at greater than 10 feet depth. The case status was reported as closed on August 26, 1988.

A total of four tanks were recorded in the SWEEPS UST database for the facility. Two 8,000-gallon tanks and one 12,000-gallon tank were reported to contain motor vehicle fuel and one 500-gallon tank contained petroleum. No other pertinent information was provided in the LUST or SWEEPS UST databases. According to the EDR report remedial actions were implemented and the case was closed. Based on the historical release, the type of media affected and the closed case status, this facility appears to constitute a HREC at this time. Further detail regarding this former facility is discussed in Section 3.7.

Robert M. Irish, Inc. / Solana Beach Property & S. Jacoby

This facility is identified on the SWEEPS UST list and is located approximately 300 feet south-southeast of the site. The facility is listed with a total of five (5) USTs ranging in capacity from 300-gallons to 3,600-gallons and containing leaded motor vehicle fuel and waste oil. The dates when the USTs were installed were not reported. The SWEEPS database provides no other pertinent information for this facility. No violations were reported. Based on the lack of violations or releases, reported distance from the site and down-gradient position, this facility does not appear to constitute a REC or PAOC at this time.

CBS Scientific Company, Inc.

This facility is identified on the LUST and San Diego Co. HMMD lists and is located approximately 430 east-northeast of the site. According to the LUST database, the release discovery date was February 3, 1992. However, the type of substance, the source and approximate amount of the release was not reported. Only soil was affected by the release and MTBE was required to be tested. The LUST case status of the facility is reported as closed and a responsible party was identified. Based on observations made during the site reconnaissance, the facility is separated from the site by a rail road trench approximately 20 feet deep below ground surface. The San Diego Co. HMMD (HMMD) database indicates that the facility contains a hazardous materials inventory, which includes compressed hydrogen

gas, naptha, compressed oxygen gas and polymeric diphenylmethane diisocyanate. The quantities of hazardous materials stored on the facility were not reported. HMMD inspection violations reported for the facility included: no employee training program in July of 1998; unavailability of training records in April of 2000; and the training program was discovered to be inadequate in January of 2002. No other violations were reported for the facility. Based on the lack of environmentally related violations or releases, the type of media affected, reported distance from the site and cross-gradient position, this facility does not appear to constitute a REC or PAOC at this time.

McKenna RF

This facility is identified on the SWEEPS UST list and is located approximately 650 feet southeast of the site. The SWEEPS record was created on February 29, 1988 and indicates that one 550-gallon UST containing regular unleaded gasoline is located on the facility. No violations or releases were reported. No other pertinent information was provided in the SWEEPS database for the facility. Based on the lack of violations or releases, reported distance from the site, and cross-gradient position, this facility does not appear to constitute a REC or PAOC at this time.

Coast Plumbing

This facility is identified on the HIST UST and SWEEPS UST lists and is located approximately 650 feet southeast of the site. Both the HIST UST and SWEEPS UST databases indicate that one 1,000-gallon UST containing regular unleaded gasoline is located on the facility and was installed in 1978. No violation or releases were reported for this facility. No other pertinent information was provided in the databases for this facility. Based on the lack of violations or releases, reported distance from the site, and cross-gradient position, this facility does not appear to constitute a REC or PAOC at this time.

EZ Equipment Rental Centers

This facility is identified on the SWEEPS UST list and is located approximately 800 feet north of the site. The SWEEPS record was created on February 29, 1988 and indicates that two (2) 550-gallon USTs containing regular leaded gasoline and other fuel are located on the facility. No violations or releases were reported. No other pertinent information was provided in the SWEEPS database for the facility. Based on the lack of violations or releases, reported distance from the site, and cross-gradient position, this facility does not appear to constitute a REC or PAOC at this time.

Bills Cab

This facility is identified on the SWEEPS UST list and is located approximately 1,000 feet north of the site. The SWEEPS database indicates that two (2) 550-gallon USTs containing regular leaded gasoline and other fuel and two (2) 600-gallon USTs containing regular leaded and unleaded gasoline are located on the facility. No violations or releases were reported. No other pertinent information was provided in the SWEEPS database for the facility. Based

on the lack of violations or releases, reported distance from the site, and cross-gradient position, this facility does not appear to constitute a REC or PAOC at this time.

Remaining Facilities

The remaining listed facilities do not appear to constitute a REC or PAOC at this time based upon a distance of approximately 1,000 feet from the site or greater, down-gradient position, and lack of releases.

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The EDR report listed eleven (11) facilities in the unmapped section. These facilities are listed in the EDR report in Appendix C and were scanned by Terracon for pertinent identifying address/location information. Determining the location of unmapped facilities with no specific address information is beyond the scope of this assessment.

4.2 Local Agency Inquiries

4.2.1 County of San Diego Department of Environmental Health (DEH)

The DEH was contacted by telephone regarding environmental issues associated with the site. Terracon received copies of available documents for the portion of the subject site located at 343 South Highway 101. A review of the DEH files was completed on September 15, 2006. See Section 3.7 for the results of the file review. Copies of the DEH documents are provided in Appendix B.

4.2.2 State Water Resources Control Board

The San Diego Regional Water Quality Control Board (SDRWQCB) was contacted by letter regarding environmental issues for all addresses associated with the site. Terracon received a response by telephone from Ms. Sylvia Wellnitz of the SDRWQCB on September 7, 2006. According to Ms. Wellnitz, no records exist for any of the addresses of the site.

4.2.3 Office of the City Clerk, City of Solana Beach, California

The Office of the City Clerk for Solana Beach was contacted by fax regarding environmental issues for all addresses associated with the site. The records request specifically targeted any available files for the site that may be held by the City of Solana Beach Fire Department. A response was received from Ms. Angela Ivey, City Clerk for Solana Beach, by letter dated September 15, 2006. Ms. Ivey indicted that there were no fire department records available for the site addresses of 329 South Highway 101, 120 and 128 Dahlia Drive. However, she indicated that a document for 343 South Highway 101 was available, but it did not involve hazardous material responses at that address.

4.2.4 Oil and Gas Well Review

The Munger Map Book was reviewed for any active and/or inactive gas/oil wells and dry holes on the site. Based upon a review of this book, neither the site nor the adjacent properties are located on an active and/or inactive gas/oil well and/or dry hole.

5.0 SITE RECONNAISSANCE

5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. A summary of information obtained from interviews and other references presented in the following subsections is also provided. Figure 2 in Appendix A is a Site Drawing of the site. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix D.

General Site Information

Site Reconnaissance				
Field Personnel		Brad Dales and Anthony Wightman		
Reconnaissance Date		September 11, 2006		
Weather		Sunny and clear		
Site Contact/Title		Mr. Zach Zacharias – Property Manager		
Site Description				
Site Name		Maganda Corporation Property		
Site Location/Address		329 and 343 South Highway 101; 120 and 128 Dahlia Drive, Solana Beach, County of San Diego, California 92075		
Adjoining Streets		Sierra Avenue (west)		
Land Area		Approximately 1.75 Acres		
Land Area Description				
No. of Buildings	5	***Year Constructed***	***Approx. Square Footage***	***No. of Floors***
Ombudsman buildings (329 South Highway 101)		Between 1946 and 1953	800	1
Vacated leasing office (329 South Highway 101)		Between 1946 and 1953	400	1
Former gas station building (343 South Highway 101)		Approximately 1963	1,500	1
Retail building (120 Dahlia Drive)		Between 1946 and 1953	1,800	1
Vacated house (128 Dahlia Drive)		Between 1946 and 1953	1,600	1

Other Site Improvements	Approximately 24 concrete pads for the trailers at 329 South Highway 101, asphalt paved parking and landscaped areas
Zoning	Mixed residential and retail
Site Topographic Relief	Generally sloping to the southwest
Site Utilities	
Electricity	SDG&E
Drinking Water	Rancho Santa Fe Irrigation
Wastewater	Rancho Santa Fe Irrigation
Natural Gas	SDG&E

The site contains mixed usage of retail commercial and (vacated) residential property. Based on a review of the aerial photographs for the site and personal interviews, the buildings located at 329 South Highway 101 and the buildings located at the Dahlia Drive addresses were apparently constructed sometime in the early 1950s. Based on a review of aerial photographs and regulatory agency records for the site, the former gas station building located at 343 South Highway 101, was likely constructed sometime in 1963 and continued to be in operation as a gas station until approximately 1974. The former gas station building is currently being utilized as a retail furniture store. The remaining vacated trailers left on-site at the trailer park, as well as the vacated house on Dahlia Drive have been vacant since approximately 2004. Based on observation made during the site reconnaissance, the retail commercial building located at 120 Dahlia Drive was apparently a residential house prior to its conversion into a retail commercial establishment. Access to the vacated trailer park and the vacated house on-site is currently restricted to the public. Mr. Luis provides site security as caretaker.

5.2 Summary of Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an "X") are discussed in more detail in the subsections following the table.

Site Characteristics

Category	Item or Feature	Item or Feature Observed
Site Operations, Processes, and Equipment	Emergency generators	
	Elevators	
	Air compressors	
	Hydraulic lifts	X
Aboveground Chemical or Waste Storage	Evidence of aboveground storage tanks	
	Drums, barrels and/or containers ≥ 5 gallons	X
	Cleaning and/or similar supplies	X
	MSDS	

Category	Item or Feature	Item or Feature Observed
Underground Chemical or Waste Storage, Drainage or Collection Systems	Evidence of underground storage tanks or ancillary UST equipment	X
	Sumps, cisterns, catch basins and/or dry wells	
	Grease traps	
	Septic tanks and/or leach fields	
	Oil/water separators	
	Pipeline markers	
	Interior floor drains	
Electrical Transformers/ PCBs	Pad or pole mounted transformers and/or capacitors	X
	Generators	
Evidence of Releases or Potential Releases	Stressed vegetation	
	Stained soil	
	Stained pavement or similar surface	
	Trash, debris and/or other waste materials	X
	Dumping or disposal areas	
	Construction/demolition debris and/or dumped fill dirt	
	Surface water discoloration, odor, sheen, and/or free floating product	
	Strong, pungent or noxious odors	
	Exterior pipe discharges and/or other effluent discharges	
	Laboratory hoods and/or Incinerators	
	Waste treatment systems and/or water treatment systems	
	Compressor blow-down	
Other Notable Site Features	Surface water bodies	
	Quarries or pits	
	Wells	

Those entries above designated by an "X" indicate that the Item or Feature was observed during the site visit. These are discussed in more detail below. If no "X" designation appears above, then the Item or Feature was not observed on the date of the site visit.

5.2.1 Observations

Site Operations, Processes and Equipment

Hydraulic Lifts

Although no evidence of hydraulic lifts were observed within the former gas service station building at the time of the site reconnaissance, it is not known if hydraulic lifts and associated equipment were properly removed form the site. The floor area of the former gas station building that may have previously contained the lifts was covered with furniture and, therefore, observations were limited. Ms. Jennifer Sanchez, owner of El Sacramonte furniture store stated she is leasing the space at the former gas station building for approximately five months. She stated that there were no hydraulic lifts or equipment associated with a gas station left and she did not notice any staining or strong odors within the building. Mr. Luis

stated that there were no hydraulic lifts anywhere on the site, but he was unaware as to when the lifts were removed from the 343 South Highway 101 address.

Additionally, there was no evidence of the former gas station fuel pump equipment and associated pipelines observed at the site. Whether or not the fuel pumps and pipelines were properly removed from the site is not known. No historical records were available for review regarding the removal of the former hydraulic lifts or the pump island equipment/ pipelines. There was no evidence of stains, spills or odors in the vicinity of the former fuel pump islands. Based on observations and the above information, the lack of information regarding the proper removal of hydraulic lifts and fuel pump islands with associated pipelines appears to constitute a POAC for this portion of the site at this time.

Aboveground Chemical or Waste Storage

Drums, Barrels and/or Containers ≥ 5 gallons

Two (2) 55-gallon steel drums were observed adjacent to a vacated trailer located near the south central boundary of the trailer park, north of 120 Dahlia Drive. The drums appeared to be unlabeled, significantly rusted and had the bung caps in-place. The drums were not placed in secondary containment. However, based on observations, the two drums appeared to have been used as a base for shelving behind the vacated trailer for a long period of time. No stains, leaks, stressed vegetation or drains were observed in the vicinity of the drums. The drums were superficially tested to check for contents by rapping on the sides and listening to the sound. Based on the sound the drums made by this test, they were apparently empty, but may contain residual product. Mr. Luis was unaware of the history of the 55-gallon drums on-site. Based upon site observations, the unlabeled 55-gallon drums located next to the trailer near the south central border of the trailer park appear to constitute a PAOC at this time.

Cleaning and/or Similar Supplies

Several one-gallon paint cans, three (5)-gallon paint buckets, one ½-gallon container of gasoline and yard maintenance equipment were observed within the ombudsman building storage rooms located on the northeast portion of the trailer park. Four (4) one-gallon paint cans were also observed in a small metal shed on the east portion of the trailer park. The chemical products were observed in their original sealed and labeled containers, and no evidence of chemical releases, spills, staining or floor drains was observed in the vicinity of the maintenance and chemical storage areas. A minimal amount of cleaning supplies and new hair care products were observed in the hair salon at 120 Dahlia Drive. There was no evidence of chemical releases or stains in the vicinity of the cleaning and hair care products and no floor drains were observed in any of the buildings on-site. Based on site observations, the maintenance and chemical storage areas do not appear to constitute a REC or PAOC for the site at this time.

Underground Chemical or Waste Storage, Drainage or Collection Systems

Evidence of Underground Storage Tanks or Ancillary UST Equipment
At the time of the site reconnaissance, the vertical vent pipes of the gas station USTs formerly located on-site were observed to be left in-place and were still attached to the northwest corner of the building located at 343 South Highway 101. No evidence of environmental concerns was observed with regard to the UST vent pipes. See Section 3.7 for further discussion of the gas station USTs formerly located on-site.

Electrical Transformers/ PCBs

Pad or Pole-Mounted Transformers and/or Capacitors
Two pad-mounted transformers, owned and serviced by San Diego Gas & Electric (SDG&E), were noted outside at the southwest boundary of the site adjacent to Sierra Avenue. However, no information with regard to PCB content of the transformer fluids was observed. Transformers contain mineral oil, which may contain minor amounts of PCB and could be considered "PCB contaminated" (PCB content of 50-499 parts per million).

SDG&E maintains responsibility for the transformers and if the transformers were considered "PCB contaminated," the utility company is not required to replace the transformer fluids until a release is identified. However, no evidence of current or prior releases of transformer fluid was observed in the vicinity of the electrical equipment during the site reconnaissance. Based on this information, the on-site electrical equipment does not appear to constitute a REC or POAC at this time.

Evidence of Releases or Potential Releases

Trash, Debris or Other Waste Materials
During the site reconnaissance, moderate amounts of municipal trash and non-hazardous debris were observed throughout the exterior of the vacated portions of the site. Mr. Luis stated that the perimeter of the trailer park is fenced and personally monitors the trailer park grounds in the evening. However, he stated that the vacated portions of the site occasionally attract transients that temporarily stay on the site during the day. According to Mr. Luis, a gap exists in the in the west perimeter of the trailer park fence, which allows trespassers access to that portion of the site. Mr. Luis stated that much of the trash on-site is deposited by the transients and illegally dumped periodically. Additionally, illegally dumped trash was observed next to the wood storage shed (garage) of the vacated house located at 128 Dahlia Drive. Based on this information, the minimal amount of trash and debris found on-site does not appear to constitute a REC or POAC at this time.

Based on the visual inspection of the property, there do not appear to be any significant non-compliance issues as defined in Comerica Bank guidance documents with exception to the following:

- Inadequate site security for the vacated portions of the site, which apparently allow uncontrolled access.

5.2.2 Interviews Conducted During Visual Reconnaissance

The following individuals were interviewed regarding the presence or absence of the items or features listed in the table above.

Interviewees

Interviewee	Title
Mr. Zach Zacharias	Property Manager for Granite Property Management
Mr. John Luis	Site Caretaker

See Sections 3.6 and 5.1 for additional discussion.

6.0 ADJOINING/SURROUNDING PROPERTY RECONNAISSANCE

Visual observations of adjoining/surrounding properties (from site boundaries and readily accessible public areas) are summarized below.

Adjoining/Surrounding Properties

Direction	Description
North	Nobu Gourmet restaurant at 305 South Highway 101 and Long's Drug Store at 305 South Highway 101.
South	North Coast Acupuncture Center at 112 Dahlia Drive and Pilates of North Co. at 114 Drive followed by Dahlia Drive then Bank of America at 405 South Highway 101 and offices at 202 Dahlia Drive.
East	South Highway 101 followed by a bicycle path and the Atchison, Topeka & Santa Fe Railroad then commercial businesses on Cedros Avenue.
West	Sierra Avenue followed by the Seascape Shores Apartments at 325 Sierra Avenue and Solana Beach and Tennis Club at 347 – 459 Sierra Avenue.

7.0 ADDITIONAL SERVICES

Per the agreed-on scope of services specified in the proposal, additional services (e.g., wetlands evaluation, lead based paint testing, lead in drinking water testing, radon testing, etc.) were not conducted. However, limited asbestos sampling was performed on suspect friable asbestos containing materials (ACM) and suspect non-friable damaged ACM

7.1 Limited Asbestos Sampling

Asbestos is regulated by the USEPA, the Occupational Safety and Health Administration (OSHA), California Environmental Protection Agency (California EPA), and California Division of Occupational Safety and Health (Cal/OSHA). The USEPA and California EPA, where applicable, regulate asbestos use, removal and disposal, while OSHA and Cal/OSHA regulates asbestos exposure to workers. USEPA standard 40 CFR Part 61.145, National Emission Standards for Hazardous Air Pollutants (NESHAP), requires that commercial and public buildings be thoroughly inspected for the presence of ACM prior to conducting renovation or demolition activities. The inspection must assess whether ACM is considered friable or non-friable. Friable ACM is defined as material containing more than 1% asbestos that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure. This limited asbestos sampling is not considered adequate for compliance with USEPA NESHAP requirements.

The OSHA Asbestos standard for construction (29 CFR Part 1926.1101) is primarily a worker protection standard. This standard also sets forth communication of hazard requirements for building owners, including requirements for posting areas of known or presumed ACM (PACM). The OSHA Asbestos standard requires building owners and lessees who control the management and recordkeeping functions of a building to maintain information regarding the presence, location and quantity of ACM and PACM for the duration of ownership or lease. The information must be transferred to successive building owners and to employers whose employees may be exposed to asbestos, including tenants who will occupy areas containing ACM or PACM. This limited sampling is not considered sufficient to rebut the OSHA presumption that certain building materials are asbestos containing.

Pursuant to the client's request, Terracon performed limited asbestos sampling to identify areas of potential ACM. The asbestos survey was performed by a California Certified Site Surveillance Technician (CSST). The purpose of this sampling program was intended to provide a preliminary screening to evaluate the potential presence of ACM in the building materials for the vacated house and retail hair salon at the site. The asbestos sampling program did not include potential ACM such as concrete flooring, wooden or metal doors, concrete block walls, and hidden and inaccessible components (i.e., materials under

carpeting, within walls, in crawl spaces, etc.). Additionally, sampling did not include roof top areas that would damage the structural integrity of the roofs.

On September 11, 2006 a total of 26 samples of suspect ACM were collected from the vacated house and the retail hair salon building located on the site including: smooth plaster, drywall and tape joint compound, vinyl floor tile, linoleum, window putty, and exterior stucco. Some of the suspect ACM samples collected were split into different materials (layers) by the laboratory and analyzed separately. From the 26 samples collected, 52 layers were analyzed. The samples were analyzed for asbestos content by EPA Method 600/R-93/116 using Polarized Light Microscopy (PLM), by LA Testing in Los Alamitos, California, a laboratory recognized by the National Voluntary Lab Accreditation Program (NVLAP). The California EPA currently classifies ACM as materials with >1% asbestos. However, California OSHA defines asbestos-containing construction material (ACCM) as material >0.1% asbestos.

Six (6) out of the twenty six (26) suspect ACM samples analyzed were identified as containing >1% asbestos by PLM analysis and were collected from the vacated house located at 128 Dahlia Drive. The six (6) samples that tested positive as ACM include: vinyl floor tile and linoleum flooring. One (1) out of the twenty six (26) suspect ACM samples analyzed were identified as containing >0.1% asbestos by PLM analysis. The one (1) sample that tested positive as ACCM was vinyl floor tile. All additional ACM samples collected from the vacated house and from the retail hair salon building were reported for asbestos content as none detected (ND). Please see Appendix A for the site plan with sampling locations, along with laboratory analytical reports and Chain-of-Custody (COC) documentation.

The following table summarizes the material, location, and result of samples that tested positive for asbestos:

Sample Number	Material	Location	Result	Condition	F/NF
8136-03-01	Vinyl Floor Tile with Multiple Layers	Kitchen (vacated house)	Sheet Vinyl 2 – 2% Chrysotile Sheet Vinyl 3 – 3% Chrysotile Sheet Vinyl 1 – ND Mastic 1 – ND Felt – ND	Good	NF
8136-03-02	Vinyl Floor Tile with Multiple Layers	Kitchen (vacated house)	Sheet Vinyl 2 – 3% Chrysotile Sheet Vinyl 3 – 2% Chrysotile Sheet Vinyl 1 – ND Mastic 1 – ND Mastic 2 – ND Felt – ND	Good	NF

Sample Number	Material	Location	Result	Condition	F/NF
8136-03-03	Vinyl Floor Tile with Multiple Layers	Kitchen (vacated house)	Sheet Vinyl 2 – 3% Chrysotile Sheet Vinyl 3 – 2% Chrysotile Sheet Vinyl 1 – ND Mastic 1 – ND Mastic 2 – ND Felt – ND	Good	NF
8136-04-01	Linoleum Flooring, Brown/Orange with 9x9 Inch Pattern	Bathroom 1 (vacated house)	30% Chrysotile	Good	NF
8136-04-02	Linoleum Flooring, Brown/Orange with 9x9 Inch Pattern	Bathroom 1 (vacated house)	30% Chrysotile	Good	NF
8136-04-03	Linoleum Flooring, Brown/Orange with 9x9 Inch Pattern	Bathroom 1 (vacated house)	Sheet Vinyl – 30% Chrysotile Mastic – ND	Good	NF
8136-05-01	Vinyl Floor Tile, 12x12 Inch Brown/Orange Marble	Side Kitchen Area (vacated house)	Tile – <1% Chrysotile Mastic – ND Felt – ND	Good	NF

*Good-No visible damage or deterioration or showing only very limited damage or deterioration
Damaged-<10% of the distributed material is damaged, <25% of the material localized is damaged
Significantly Damaged->10% of the distributed material is damaged, >25% of the material localized is damaged
ND-None Detected
F-Friable, NF-Non-Friable

Identified ACM must be removed by a California certified asbestos removal contractor prior to any renovation or demolition activities that may damage the material. If abatement is not planned for identified ACM, then it is required that identified ACM is managed in place by an Operations and Maintenance (O&M) Program. An O&M Program is designed to be a proactive, formulated management program of training needs, surveillance periods, specialized cleaning and related work practices that will maintain the identified ACM remaining in a building in good condition. This document gives building owners, managers, workers and other key building staff basic information on how to develop and implement a successful O&M Program for managing asbestos in place to safeguard the health of all building occupants and building maintenance staff and contractors. The practices and procedures described therein apply specifically to the ACM identified at the subject property.

Please note that any limited asbestos sampling program is not sufficient to characterize the building materials at the site as non-ACM; therefore, all suspect building materials at the site must be presumed ACM.

Asbestos sample locations are depicted in Figure 3 – Asbestos Sample Locations (128 Dahlia Drive) and Figure 4 – Asbestos Sample Locations (120 Dahlia Drive) of Appendix A. Asbestos analytical results are presented in Appendix F.

7.2 Limited Mold Visual Screening

Terracon performed a limited visual mold screening to identify evidence of water intrusion or apparent microbial growth readily observable during a cursory building walkthrough.

This scope of work consisted of observations of selected visibly accessible surfaces and did not include observations of hidden conditions such as inaccessible areas, the interior of wall cavities, above suspended ceilings, the interior of HVAC systems, or behind intact vinyl wall coverings or equipment. The scope of these visible mold observations should not be construed as a mold assessment.

No water stains, historical water damage or mold was observed within the accessible interior areas of the buildings on-site.

8.0 FINDINGS, CONCLUSIONS, AND RECOMMENDATIONS

8.1 Findings and Conclusions

This Phase I ESA of the above-referenced site was performed by Terracon Consultants, Inc. (Terracon) in accordance with our Task Order dated September1, 2006 and in general accordance with the consensus document known as ASTM E 1527-00, a guide for conducting Environmental Site Assessments and Comerica Bank Guidance Document for Phase I Environmental Site Assessments (June 2004). Brad Dales and Anthony Wightman performed the site reconnaissance on September 11, 2006.

A cursory summary of findings is provided below. However, details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

- The site is located at 329 and 343 South Highway 101 and at 120 and 128 Dahlia Drive in Solana Beach, San Diego County, California 92075. The site is an approximately 1.75-acre tract of land that has been improved with the following: a trailer park (329 South Highway 101) consisting of a one-story ombudsman building approximately 400 square feet (s.f.), a vacated leasing office approximately 800 s.f. and approximately 24 concrete pads for trailers/ mobile homes; a one-story metal building (343 South Highway 101), which was formerly utilized as a gas station approximately 1,500 s.f.; a one-story retail commercial building (120 Dahlia Drive) approximately 1,200 s.f.; and a vacated, one-story house (128 Dahlia Drive)

approximately 1,600 s.f. Each address of the site included associated asphalt driveways, parking areas and landscaping. Additionally, a small, portable coffee shop kiosk (approximately 50 s.f.) is located on the southeast corner of 343 South Highway 101. According to the County of San Diego Assessor's Office, the site is comprised of four contiguous parcels (APNs: 298-052-0600, 0700, 0800 and 1400).

- The site consisted of agricultural land from at least 1939 to approximately 1946 when the site was comprised of orchards and was later improved with small residential structures. By approximately 1953, the site was improved with what are now the majority of structures currently on-site, including the Avocado Trailer Park located on South Highway 101 and the two residential-type structures located on Dahlia Drive. In approximately 1963 the site was improved with a Shell gas station that operated on-site at the 343 South Highway 101 address to approximately 1974. The building of the former gas station on that portion of the site has apparently been used for non-hazardous retail commercial operations since then. The Avocado Trailer Park has remained occupied by residents until approximately 2004 as was the house located at 128 Dahlia Drive. However, a review of historical records has not revealed what types of commercial operations have been conducted at the building located at 120 Dahlia Drive. Currently on-site tenants at 343 South Highway 101 and 120 Dahlia Drive include El Sacramonte antique furniture store and The World of Joy's Hair Salon, respectively. Based on observations during the site reconnaissance, no operations involving hazardous materials or hazardous waste are being conducted on-site or on adjacent properties. The County of San Diego Department of Environmental Health approved the removal of approximately four underground storage tanks (USTs) in January of 1988 that were formerly located on what is now the southeast portion of the site (343 South Highway 101) and were associated with the previous Ullman Shell gas station. These former USTs are further discussed in subsequent paragraphs.

- Terracon performed a file review at the San Diego County Department of Environmental Health (DEH) on September 13, 2006 for the portion of the subject site located at 343 South Highway 101. According to a DEH *Underground Hazardous Materials Storage Tank Facility Application for Permit to Abandon*, dated January 19, 1988, a total of four (4) underground storage tanks (USTs) were planned to be removed from the site by a licensed contractor. The permit was completed by Applied Hydrogeologic Consultants (AHC) of San Diego, California. According to information found in the permit, one (1) 12,000-gallon gasoline UST, two (2) 8,000-gallon gasoline USTs and one (1) 500-gallon waste oil UST were to be removed and destroyed with no new tank installations planned. According to the permit, the former USTs were constructed of steel and were installed sometime between 1960 and 1965 and remained in use from approximately 1970 to 1974. Site plan maps of the former gas station show the USTs were formerly located within the north portion of the 343 South Highway 101 property.

- According to a DEH Hazardous Materials Management Division (HMMD) *Abandoned Underground Tank Report* dated February 9, 1988, a Hazardous Materials Specialist from the DEH conducted an inspection for the removal of the four USTs on-site. At the time of the tank removal, the report was completed by Mr. Gary Stephany, Deputy Director of Environmental Health Services for the DEH. Mr. Stephany indicated that contaminated soil/groundwater was suspected in the UST excavation due to a release (leak) from the 500-gallon waste oil tank. In his inspection report, Mr. Stephany subsequently required an Unauthorized Release Report to be provided to the DEH within five working days regarding the type and extent of contamination with associated analyses reports and reported method and location of disposal of the release hazardous substance, etc. The County of San Diego DEH subsequently submitted a letter of *Official Notice* dated February 18, 1988, which was submitted to June Ullman, part owner of the former Shell gas station, stating that an unauthorized release (leak) of hazardous materials occurred from tank #T0914.

- According to a report completed by AHC, *Site Characterization Study- Unauthorized Release, HMMD #T0914 of Ullman, Solana Beach, 343 South Highway 101, Solana Beach, California,* dated March 29, 1988, AHC conducted a subsurface petroleum hydrocarbon contamination study at the request of Dr. Milton Ullman for the site of an abandoned service station at 343 South Highway 101 Solana Beach, California. AHC stated that the service station had been in operation from 1963 through 1969 and that the property was being used as a bicycle repair shop at the time of the tank removal. The AHC report indicated that the three gasoline USTs showed no signs of degradation or leaks when they were removed. However, the report indicates that the former waste oil tank appeared to be rusted and contained visible holes. AHC collected soils samples from hand-augured borings within the waste oil tank excavation. Eight (8) soil borings were advanced in and around the waste oil tank excavation to determine the extent of contamination. Soil samples from the exploratory borings were screened for organic vapors on-site using a portable organic vapor meter, but none were detected. Soil samples were sent to Chemical Research Laboratories, Inc. of Garden Grove, California for petroleum hydrocarbon analysis. Soil sample analyses for the gasoline tank area indicated no detectable total petroleum hydrocarbon (TPH) contamination and the gasoline tank excavation was subsequently backfilled according to local regulatory specifications. All soil samples from the waste oil tank excavation and borings contained detectable levels of TPH contamination. As per the AHC report, the extent of the contamination plume extended 8 to 10-feet in diameter and to a depth of 18-feet in a cylindrical shape. AHC estimated the volume of contaminated soil was 32 cubic yards. AHC determined the vertical extent of the contamination plume to be at approximately 19-1/2-feet depth with an analysis result of 22 ppm of TPH.

- According to a report, *Unauthorized Release – HMMD #T0914* submitted by AHC (AHC Project #29C5.8C) and dated April 7, 1988, excavation of contaminated soil from the waste oil tank excavation was completed on March 11, 1988. The report indicted that petroleum hydrocarbon contaminated soils were removed from the excavation to a total depth of 20-feet below ground surface using a 4-feet diameter auger drill and was followed by a reaming process to open the bottom portion of the excavation to a diameter of 10-feet. AHC indicted that approximately 30 cubic yards of contaminated soil was excavated and left on-site prior to proper removal by waste manifest procedures. A total of three (3) soil samples were then collected from selected parts of the excavation for laboratory analyses using EPA Methods 418.1 (TPH), 6010 (chromium), 7421 (lead) and 8080 (PCBs).

  Once the initial soil samples were collected from the sides and bottom of the excavation, the boring was backfilled immediately with pea gravel for safety of the surrounding property and buildings. Initial laboratory results for the soil samples analyzed for TPH ranged from 1,300 ppm in sample S-1, 7,700 ppm for sample S-2 and 7 ppm for sample S-3. Soil sample S-2 was the only sample analyzed for chromium (1.9 ppm), lead (6.2 ppm) and PCBs (ND-0.1 ppm), which were all below actions levels. Soil sample S-1 was taken from the bottom of the excavation at 20-feet depth, soil sample S-2 was taken from the north-northwest side wall at approximately 19-feet depth and soil sample S-3 was taken from the southeast sidewall at approximately 18-1/2-feet depth. Since soil sample S-2 had the highest level of TPH contamination, AHC stated that HMMD officials requested additional borings adjacent to that sample collection point. Two additional borings, B-7 and B-8, were drilled and soil was sampled on March 22, 1988. Five soil samples were collected adjacent to the previous sample collection point S-2 at depths of 15, 17-1/2 and 20-feet depth. All five samples analyzed contained TPH concentrations of 2ppm. According to the report, AHC claimed that since the samples collected from the two additional borings showed no contamination of any significance, they concluded that no significant contamination remains beneath the site and that the problem has been adequately mitigated. Approximately 15 cubic yards of contaminated soils were transported to a designated waste handler Casmalia Resources in Casmalia, California under hazardous waste manifest on March 22, 1988. The additional 15 cubic yards of contaminated soil remained on-site until further approval of site remediation was completed.

- According to a DEH letter addressed to June Ullman, dated April 21, 1988, Mr. David Felix, Hazardous Materials Specialist, expressed concerns regarding the site mitigation update on April 7, 1988. In his letter, Mr. Felix stated that since elevated levels of TPH were found in sample S-2, soil contamination levels found in the excavation were above the Regional Water Quality Control Board established soil clean-up level of 1,000 mg/kg (ppm) TPH. Mr. Felix requested that further verification

samples of native soils in the excavation near sample location S-2 were needed to demonstrate AHC's claim that no significant contamination remains beneath the site.

- AHC responded to Mr. Felix in a letter dated April 21, 1988, addressing the concerns for the site mitigation. AHC provided clarification for sample handling procedures of sample S-2 and provided a more detailed explanation of the size and shape of the excavation boring. AHC stated that on April 15, 1988, an additional boring (B-9) was completed approximately 1-1/2 feet northwest of the location were sample S-2 was collected. Additional samples were collected from B-9 at depths of 15, 17-1/2 and 19-feet depth and were sent to Chemical research Laboratories for analysis for TPH. Only the soil sample collected from 19-feet depth was selected for analysis, which showed a result of 1 ppm TPH. Based on these observations, AHC concluded that no significant contamination remains beneath the site.

- In a site closure letter addressed to June Ullman, dated June 13, 1988, Regarding *Unauthorized Release #T0914/H26441, 343 South Highway 101 Solana Beach*, Mr. Gary Stephany of the County of San Diego DEH indicated that the site had been adequately mitigated. As of the date of the letter, Mr. Stephany stated that, "based on current requirements and policies, no further action is indicated at this time." Based on this information, the remedial activities conducted at the site (343 South Highway 101) appear to constitute a historical recognized environmental condition (HREC) at this time.

- The regulatory review identified four (4) CORTESE, one (1) Notify 65, eight (8) LUST, one (1) HIST, six (6) SWEEPS UST, and one (1) San Diego Co. HMMD facilities within the specified search radii. The site is listed as a LUST and SWEEPS UST facility.

  Dr. Milton and June Ullman / June & Milton Ullman were identified as the responsible party for the chemical release discovered at the site address of 343 South Highway 101 where a Shell gas station was formerly located on the southeast portion of the site. This former facility is identified on the LUST and SWEEPS UST lists. The LUST database indicates that a corroded underground tank was the source of a leak discovered during a tank closure on February 9, 1988 (case number 9UT911). The LUST file also indicates that the only type of media affected by the leak was soil, which was subsequently excavated and disposed of in an approve site. Groundwater at the site was reported at greater than 10 feet depth. The case status was reported as closed on August 26, 1988.

  A total of four tanks were recorded in the SWEEPS UST database for the facility. Two 8,000-gallon tanks and one 12,000-gallon tank were reported to contain motor vehicle fuel and one 500-gallon tank contained petroleum. No other pertinent information was provided in the LUST or SWEEPS UST databases. According to the EDR report

remedial actions were implemented and the case was closed. Based on the historical release, the type of media affected and the closed case status, this facility appears to constitute a HREC at this time. Further detail regarding this former facility is discussed in Section 3.7.

The Robert M. Irish, Inc. / Solana Beach Property & S. Jacoby facility is identified on the SWEEPS UST list and is located approximately 300 feet south-southeast of the site. The facility is listed with a total of five (5) USTs ranging in capacity from 300-gallons to 3,600-gallons and containing leaded motor vehicle fuel and waste oil. The dates when the USTs were installed were not reported. The SWEEPS database provides no other pertinent information for this facility. No violations were reported. Based on the lack of violations or releases, reported distance from the site and down-gradient position, this facility does not appear to constitute a REC or PAOC at this time.

The CBS Scientific Company, Inc. facility is identified on the LUST and San Diego Co. HMMD lists and is located approximately 430 east-northeast of the site. According to the LUST database, the release discovery date was February 3, 1992. However, the type of substance, the source and approximate amount of the release was not reported. Only soil was affected by the release and MTBE was required to be tested. The LUST case status of the facility is reported as closed and a responsible party was identified. Based on observations made during the site reconnaissance, the facility is separated from the site by a rail road trench approximately 20 feet deep below ground surface. The San Diego Co. HMMD (HMMD) database indicates that the facility contains a hazardous materials inventory, which includes compressed hydrogen gas, naptha, compressed oxygen gas and polymeric diphenylmethane diisocyanate. The quantities of hazardous materials stored on the facility were not reported. HMMD inspection violations reported for the facility included: no employee training program in July of 1998; unavailability of training records in April of 2000; and the training program was discovered to be inadequate in January of 2002. No other violations were reported for the facility. Based on the lack of environmentally related violations or releases, the type of media affected, reported distance from the site and cross-gradient position, this facility does not appear to constitute a REC or PAOC at this time.

The McKenna RF facility is identified on the SWEEPS UST list and is located approximately 650 feet southeast of the site. The SWEEPS record was created on February 29, 1988 and indicates that one 550-gallon UST containing regular unleaded gasoline is located on the facility. No violations or releases were reported. No other pertinent information was provided in the SWEEPS database for the facility. Based on the lack of violations or releases, reported distance from the site, and cross-gradient position, this facility does not appear to constitute a REC or PAOC at this time.

The Coast Plumbing facility is identified on the HIST UST and SWEEPS UST lists and is located approximately 650 feet southeast of the site. Both the HIST UST and SWEEPS UST databases indicate that one 1,000-gallon UST containing regular unleaded gasoline is located on the facility and was installed in 1978. No violation or releases were reported for this facility. No other pertinent information was provided in the databases for this facility. Based on the lack of violations or releases, reported distance from the site, and cross-gradient position, this facility does not appear to constitute a REC or PAOC at this time.

The EZ Equipment Rental Centers facility is identified on the SWEEPS UST list and is located approximately 800 feet north of the site. The SWEEPS record was created on February 29, 1988 and indicates that two (2) 550-gallon USTs containing regular leaded gasoline and other fuel are located on the facility. No violations or releases were reported. No other pertinent information was provided in the SWEEPS database for the facility. Based on the lack of violations or releases, reported distance from the site, and cross-gradient position, this facility does not appear to constitute a REC or PAOC at this time.

The Bills Cab facility is identified on the SWEEPS UST list and is located approximately 1,000 feet north of the site. The SWEEPS database indicates that two (2) 550-gallon USTs containing regular leaded gasoline and other fuel and two (2) 600-gallon USTs containing regular leaded and unleaded gasoline are located on the facility. No violations or releases were reported. No other pertinent information was provided in the SWEEPS database for the facility. Based on the lack of violations or releases, reported distance from the site, and cross-gradient position, this facility does not appear to constitute a REC or PAOC at this time.

The following site features of note were observed at the time of the site reconnaissance:

- Although no evidence of hydraulic lifts were observed within the former gas service station building at the time of the site reconnaissance, it is not known if hydraulic lifts and associated equipment were properly removed form the site. The floor area of the former gas station building that may have previously contained the lifts was covered with furniture and, therefore, observations were limited. Ms. Jennifer Sanchez, owner of El Sacramonte furniture store stated she has been leasing the space at the former gas station building for approximately five months. She stated that there were no hydraulic lifts or equipment associated with a gas station left and she did not notice any staining or strong odors within the building. Mr. Luis stated that there were no hydraulic lifts anywhere on the site, but he was unaware as to when the lifts were removed from the 343 South Highway 101 address.

Additionally, there was no evidence of the former gas station fuel pump equipment and associated pipelines observed at the site. Whether or not the fuel pumps and pipelines were properly removed from the site is not known. No historical records were available for review regarding the removal of the former hydraulic lifts or the pump island equipment/ pipelines. There was no evidence of stains, spills or odors in the vicinity of the former fuel pump islands. Based on observations and the above information, the lack of information regarding the proper removal of hydraulic lifts and fuel pump islands with associated pipelines appears to constitute a POAC fro this portion of the site at this time.

- Two (2) 55-gallon steel drums were observed adjacent to a vacated trailer located near the south central boundary of the trailer park, north of 120 Dahlia Drive. The drums appeared to be unlabeled, significantly rusted and had the bung caps in-place. The drums were not placed in secondary containment. However, based on observations, the two drums appeared to have been used as a base for shelving behind the vacated trailer for a long period of time. No stains, leaks, stressed vegetation or drains were observed in the vicinity of the drums. The drums were superficially tested to check for contents by rapping on the sides and listening to the sound. Based on the sound the drums made by this test, they were apparently empty, but may contain residual product. Mr. Luis was unaware of the history of the 55-gallon drums on-site. Based upon site observations, the unlabeled 55-gallon drums located next to the trailer near the south central border of the trailer park appear to constitute a PAOC at this time.

- Several one-gallon paint cans, three (5)-gallon paint buckets, one ½-gallon container of gasoline and yard maintenance equipment were observed within the ombudsman building storage rooms located on the northeast portion of the trailer park. Four (4) one-gallon paint cans were also observed in a small metal shed on the east portion of the trailer park. The chemical products were observed in their original sealed and labeled containers, and no evidence of chemical releases, spills, staining or floor drains was observed in the vicinity of the maintenance and chemical storage areas. A minimal amount of cleaning supplies and new hair care products were observed in the hair salon at 120 Dahlia Drive. There was no evidence of chemical releases or stains in the vicinity of the cleaning and hair care products and no floor drains were observed in any of the buildings on-site. Based on site observations, the maintenance and chemical storage areas do not appear to constitute a REC or PAOC for the site at this time.

- The vertical vent pipes of the gas station USTs formerly located on-site were observed to be left in-place and were still attached to the northwest corner of the building located at 343 South Highway 101. No evidence of environmental concerns was observed with regard to the UST vent pipes. See Section 3.7 for further discussion of the gas station USTs formerly located on-site.

- Two pad-mounted transformers, owned and serviced by San Diego Gas & Electric (SDG&E), were noted outside at the southwest boundary of the site adjacent to Sierra Avenue. However, no information with regard to PCB content of the transformer fluids was observed. Transformers contain mineral oil, which may contain minor amounts of PCB and could be considered "PCB contaminated" (PCB content of 50-499 parts per million).

  SDG&E maintains responsibility for the transformers and if the transformers were considered "PCB contaminated," the utility company is not required to replace the transformer fluids until a release is identified. However, no evidence of current or prior releases of transformer fluid was observed in the vicinity of the electrical equipment during the site reconnaissance. Based on this information, the on-site electrical equipment does not appear to constitute a REC or POAC at this time.

- During the site reconnaissance, moderate amounts of municipal trash and non-hazardous debris were observed throughout the exterior of the vacated portions of the site. Mr. Luis stated that the perimeter of the trailer park is fenced and personally monitors the trailer park grounds in the evening. However, he stated that the vacated portions of the site occasionally attract transients that temporarily stay on the site during the day. According to Mr. Luis, a gap exists in the in the west perimeter of the trailer park fence, which allows trespassers access to that portion of the site. Mr. Luis stated that much of the trash on-site is deposited by the transients and illegally dumped periodically. Additionally, illegally dumped trash was observed next to the wood storage shed (garage) of the vacated house located at 128 Dahlia Drive. Based on this information, the minimal amount of trash and debris found on-site does not appear to constitute a REC or POAC at this time.

- Six (6) out of the twenty six (26) suspect ACM samples analyzed were identified as containing >1% asbestos by PLM analysis and were collected from the vacated house located at 128 Dahlia Drive. The six (6) samples that tested positive as ACM include: vinyl floor tile and linoleum flooring. One (1) out of the twenty six (26) suspect ACM samples analyzed were identified as containing >0.1% asbestos by PLM analysis. The one (1) sample that tested positive as ACM was vinyl floor tile. All additional ACM samples collected from the vacated house and from the retail hair salon building were reported for asbestos content as none detected (ND).

Recommendations

In the professional opinion of Terracon, an appropriate inquiry has been made into the previous ownership and uses of the property consistent with good commercial or customary practice in an effort to minimize liability, and no evidence or indication of RECs or Potential Area of Concern (PAOC) has been revealed except for the following:

- Two (5) 55-gallon drums observed adjacent to the trailer located near the south central border of the trailer park – PAOC

- Lack of information pertaining to whether the pump islands and pipelines were removed properly from the former gas station – POAC

- Lack of information pertaining to whether the hydraulic lifts from the former gas station building were properly removed - POAC

Based on the visual inspection of the property, there do not appear to be significant non-compliance issues as defined in Comerica Bank guidance documents with exception to the following:

- Inadequate site security for the vacated areas, which allow uncontrolled access to those portions of the site.

APPENDIX A

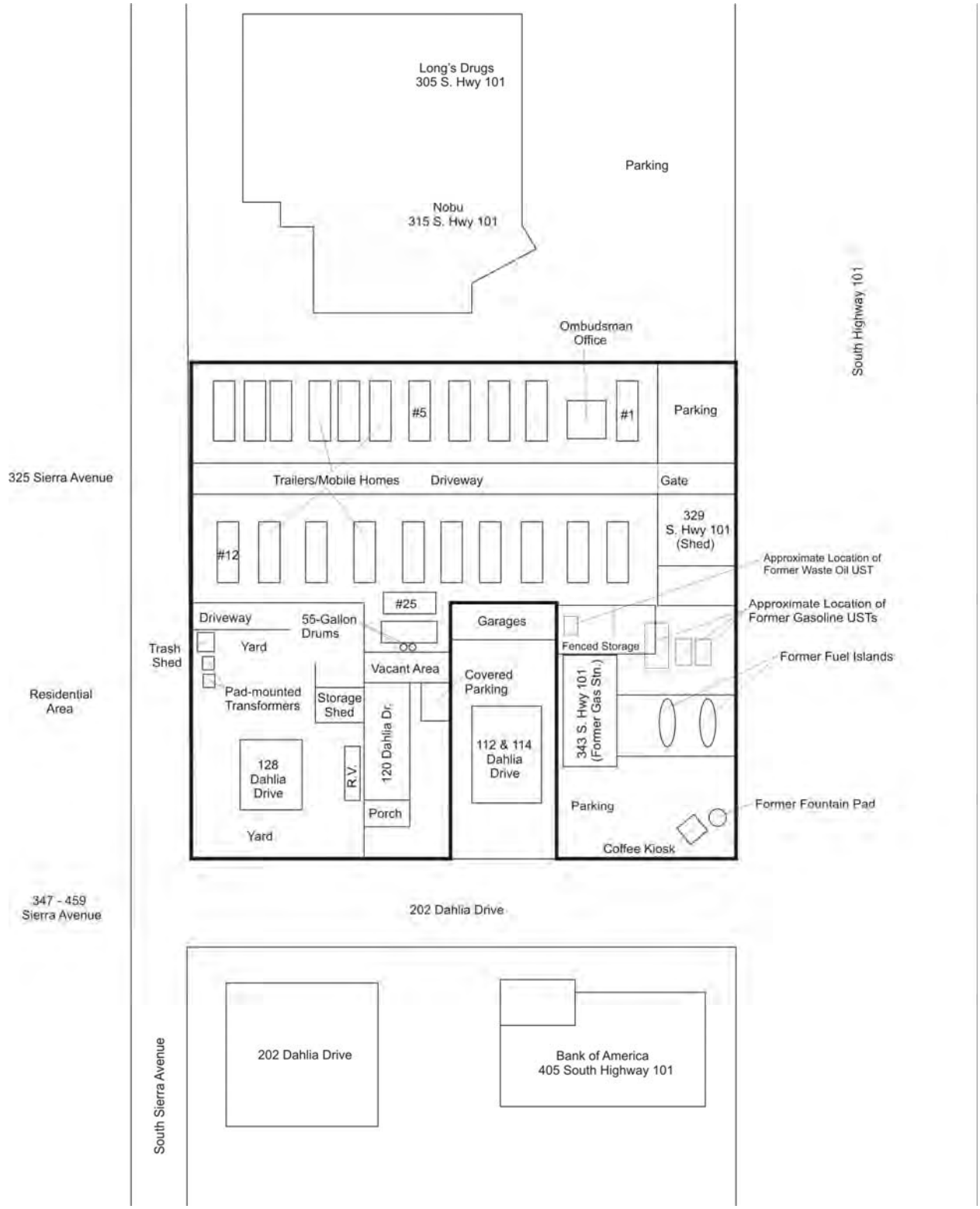
Figure 1 - Topographic Map, Figure 2 – Site Diagram, Figure 3 – Asbestos Sample Locations (128 Dahlia Drive), Figure 4 – Asbestos Sample Locations (120 Dahlia Drive)

TOPOGRAPHIC MAP

Maganda Corporation Property
329 South Highway 101
Solana Beach, San Diego County, CA

Project Mngr: BD	Terracon 3189 F Airway Avenue Costa Mesa, California 92626 714-444-2322 Fax: 714-444-2110	**Project No.**	60068136
Designed By: BD		**Scale:**	See scale above
Checked By: JS		**Date:**	9/15/2006
Approved By: JS		**Drawn By:**	NA
File Name: \60068136\Figure 1 (Topo).		**Figure No.**	1

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES.



EXPLANATION:

— = SITE BOUNDARY

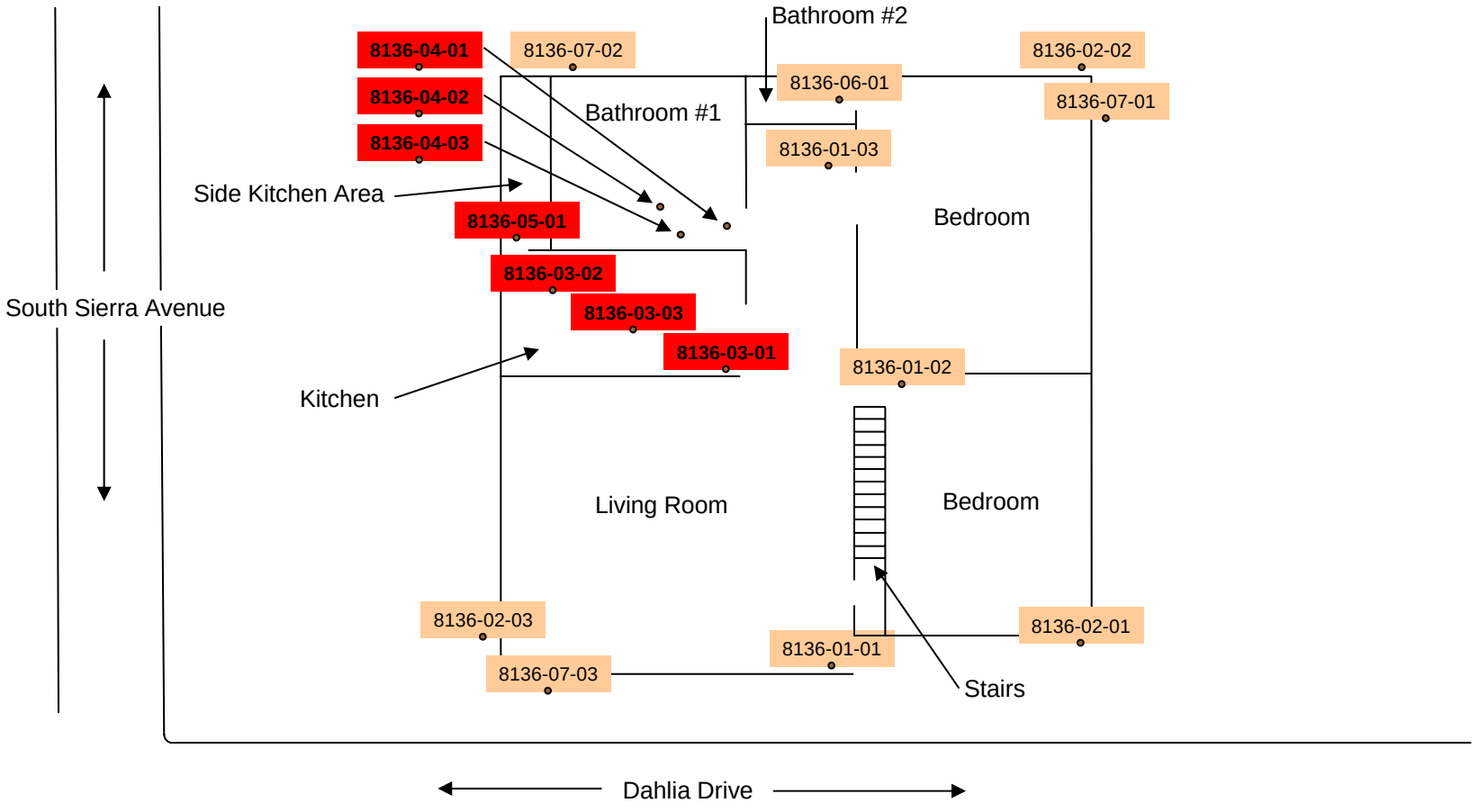
N

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES.

SITE DIAGRAM
Maganda Corporation
329 South Highway 101
Solana Beach, County of San Diego, California

Project Mngr: BD	Terracon 3189 F Airway Avenue Costa Mesa, California 92626 714-444-2322 Fax: 714-444-2110	**Project No.** 60068136
Designed By: BD		**Scale:** Not to scale
Checked By: JO		**Date:** 9/13/2006
Approved By: JO		**Drawn By:** JP
File Name: \60068136\Figure 2		**Figure No.** 2

Asbestos-Containing Material Sample Locations at 128 Dahlia Drive (Roof View)



LEGEND:

Site Location

Asbestos Sample Location

Positive Asbestos Sample Location

DIAGRAM IS FOR GENERAL LOCATION PURPOSES ONLY.

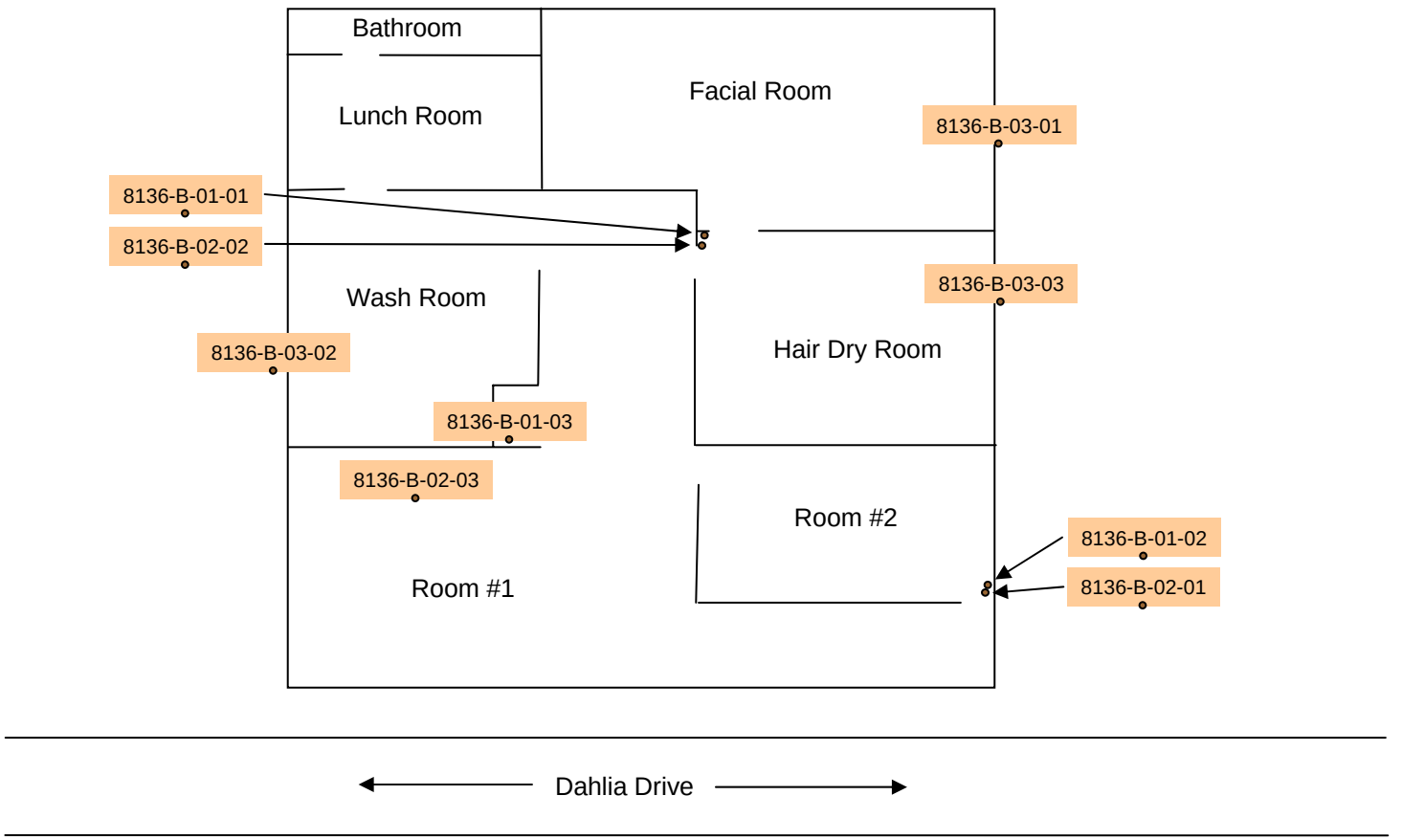
NOT TO SCALE

N

Maganda Corporation
329 South Highway 101
Solana Beach, CA

Project Mngr: BD	Terracon 3189 F Airway Avenue Costa Mesa, California 92626 714-444-2322 Fax: 714-444-2110	Project No.: 60068136
Designed By: AW		Scale: Not to Scale
Checked By: CO		Date: 09/12/06
Approved By: CO		Drawn By: AW
File Name: 60068136		Figure No.: 3

Asbestos-Containing Material Sample Locations at 120 Dahlia Drive (Roof View)



LEGEND:

Site Location

Asbestos Sample Location

Positive Asbestos Sample Location

DIAGRAM IS FOR GENERAL LOCATION PURPOSES ONLY.

NOT TO SCALE

N

Maganda Corporation
329 South Highway 101
Solana Beach, CA

Project Mngr: BD	Terracon	Project No.: 60068136
Designed By: AW		Scale: Not to Scale
Checked By: CO	3189 F Airway Avenue Costa Mesa, California 92626 714-444-2322 Fax: 714-444-2110	Date: 09/12/06
Approved By: CO		Drawn By: AW
File Name: 60068136		Figure No.: 4

APPENDIX B

Historical Documentation

The EDR Aerial Photo Decade Package

Comerica - Maganda Corporation
329 South Highway 101
Solana Beach, CA 92075

Inquiry Number: 1750156.5

September 07, 2006

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Date EDR Searched Historical Sources:

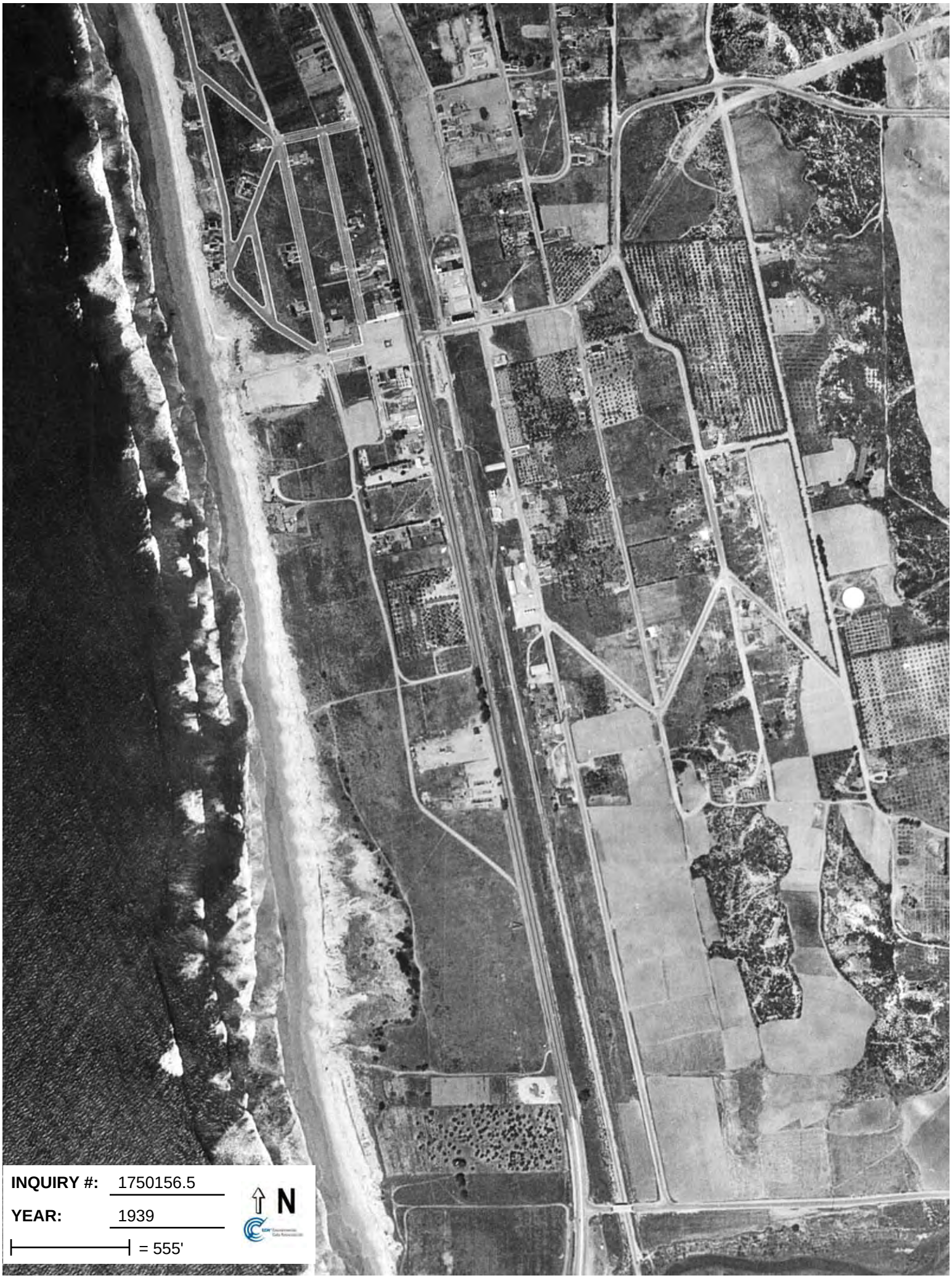
Aerial Photography September 07, 2006

Target Property:

329 South Highway 101

Solana Beach, CA 92075

Year	***Scale***	***Details***	***Source***
1939	Aerial Photograph. Scale: 1"=555'	Flight Year: 1939	Fairchild
1946	Aerial Photograph. Scale: 1"=655'	Flight Year: 1946	Jack Ammann
1953	Aerial Photograph. Scale: 1"=555'	Flight Year: 1953	Park
1963	Aerial Photograph. Scale: 1"=555'	Flight Year: 1963	Cartwright
1974	Aerial Photograph. Scale: 1"=600'	Flight Year: 1974	AMI
1989	Aerial Photograph. Scale: 1"=666'	Flight Year: 1989	USGS
1994	Aerial Photograph. Scale: 1"=666'	Flight Year: 1994	USGS
2002	Aerial Photograph. Scale: 1"=666'	Flight Year: 2002	USGS


INQUIRY #: 1750156.5
YEAR: 1939
= 555'
N


INQUIRY #: 1750156.5
YEAR: 1946
= 655'
N


INQUIRY #: 1750156.5
YEAR: 1953
= 555'
N


INQUIRY #: 1750156.5
YEAR: 1963
= 555'
N


INQUIRY #: 1750156.5
YEAR: 1974
= 600'
N


INQUIRY #: 1750156.5
YEAR: 1989
= 666'
N


INQUIRY #: 1750156.5
YEAR: 1994
= 666'
N


INQUIRY #: 1750156.5
YEAR: 2002
= 666'
N

Felix

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
(619) 236-2237

DEPARTMENT OF HEALTH SERVICES

1700 PACIFIC HIGHWAY, SAN DIEGO, CALIFORNIA 92101-2417

OFFICE OF THE DEPUTY DIRECTOR
ENVIRONMENTAL HEALTH SERVICES
P.O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 236-2243

June 13, 1988

June Ullman
4786 Mt. Helix Dr.
La Mesa, CA 92041

RE: UNAUTHORIZED RELEASE #TO914/H26441
343 SOUTH HIGHWAY 101 SOLANA BEACH

Dear Mrs. Ullman:

The site remediation report submitted to this Department by Applied Hydrogeologic Consultants, summarizing the site characterization and mitigation activities at the above referenced location has been reviewed. This report has also been discussed with staff of the Regional Water Quality Control Board (RWQCB). The RWQCB concurs with the determination of this Department that this site has been adequately mitigated. Based on current requirements and policies, no further action is indicated at this time.

Please be advised that if the current use of the site changes, additional site characterization and mitigation activity may be required. As the property owner, it is your responsibility to notify this Department prior to any such changes.

Thank you for your efforts in resolving this matter. Please contact the Hazardous Materials Management Division at (619) 236-2222, if you require any additional assistance.

Sincerely,

GARY R. STEPHANY, Deputy Director
Environmental Health Services

GRS:tjl

cc: RWQCB
HMMD

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

UNDERGROUND HAZARDOUS MATERIALS STORAGE TANK FACILITY

PERMIT APPLICATION

PART I

GENERAL PROJECT INFORMATION

FOR HMMU USE:
Plan Check # AT1107
Date Received 11/9/88
Fee Paid #90 E.T. $300 + U
Plan Approval 11/20/88
Estab # H26441
Hydro Unit 5.1
Benef. Use YES

A. SITE ADDRESS: 343 South Highway 101 (Street) Solana Beach (City) (Zip Code)

B. PROPERTY OWNER:
Company June or Milton Ullman Contact June Ullman
Mailing Address 4786 Mt. Helix Dr. City La Mesa Zip 92041
Phone (619) 469-3494
24 Hr. Emergency Contact _____ Phone ( ) _____

C. TANK OPERATOR:
Company None Contact _____
Mailing Address _____ City _____ Zip _____
Phone ( ) _____
24 Hr. Emergency Contact _____ Phone ( ) _____

D. CONTRACTOR:
Primary Contractor P. Teixeira Const. Inc. Contact P. Teixeira
Mailing Address 2188 San Diego Ave. Ste. O City San Diego Zip 92110
Phone (619) 260-1851
State Contractor License No. 484396
Worker's Compensation Insurance Company State Compensation Fund Phone (619) 560-1600

Check Here if Owner/Builder: ☐

E. APPLICATION SUBMITTAL, PLAN APPROVAL, PERMIT ISSUANCE, AND REQUIRED INSPECTIONS:

Submit three (3) copies of this application package, including plan drawings, with the required fee to the Department of Health Services, Hazardous Materials Management Unit, Room 311, 1700 Pacific Highway, San Diego, CA 92101. Checks should be made payable to the County of San Diego.

A permit will be issued by the Department of Health Services (DHS) 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 this 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 has been issued.

Once the permit has been issued, it is the permittee's responsibility to notify the DHS 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 and IV).

Indicate the Company/Person you wish to have our plan check comments directed to by circling the appropriate section letter above or if different enter below.

Applied Hydrogeologic Consultants Walter Kitchin

PROJECT WORK TO BE COMPLETED: Check Applicable Box	COMPLETE APPLICATION PARTS	FEE CODE (TABLE H.)	CODES FOR OFFICE USE ONLY
[ ] Installation/Construction of new tank(s) only (without removing/abandoning any existing tanks.)	I & II	1	NT
[ ] Removal/Destruction of existing tanks with installation of new tanks (tank replacement).	I, II & III	1 & 2	NR
[XX] Removal/Destruction of existing tank(s) with no new tank installation.	I & III	2	AT
[ ] Removal only of one tank less than 1000 gallon with no new tank installation.	I & III	4	AT
[ ] Repiping of an existing tank facility.	I & II (Sections E thru N Only)	3	NM
[ ] Interior coating of an existing tank facility.	I & IV	1	NM

FEES: The fees shown below cover plan review and approval and the required field inspections. Use the appropriate Fee Code as determined in Section G above.

Fee Code

[1] Base fee for one tank ($310) Fee: $ _____

Fee for additional tanks ($85 each) Fee: $ _____

[2] Fee to abandon 1 tank ~~($120)~~ 156 Fee: $ ~~120~~ 156

Fee for additional abandoned tanks ~~($60 each)~~ 78 Fee: $ ~~180~~ 234

[3] Fee per Facility ($260) (Repipe Only) Fee: $ _____

[4] Fee to remove only one tank less than 1000 gallons ($50) Fee: $ _____

TOTAL FEE: $ ~~300~~ 390

CASH _____ CHECK # _____

PERMITS REQUIRED BY OTHER AGENCIES:

Application #'s:
Fire Dept. ~~Not Required~~ No 755 1178 APCD _____ Bldg. Dept. _____ Cal OSHA _____ Other _____
Must be present

Provide copies of approved applications from other agencies requiring permits for this project.

- END OF PART I -

County of San Diego
Department of Health Services

UNDERGROUND HAZARDOUS MATERIALS STORAGE TANK FACILITY

PART III

APPLICATION FOR PERMIT TO ABANDON

Complete all sections of Part III. If information is not known or applicable please indicate on application.

A. Total number of tanks to be abandoned 4

B. Tank Information - Complete the following information for each tank to be abandoned. Attach additional sheets as necessary.

Tank Number (Label tanks on plot plan to correspond to application)		1	2	3	4
Tank Capacity (gallons)		≈500	8,000	8,000	12,000
Date Tank Installed		not known	not known	not known	not known
Tank Composition (Steel, Fiberglass, Fiberglass Coated Steel, Concrete, etc.)		steel	steel	steel	steel
Tank Manufacturer		not known	not known	not known	not known
Tank Presently in Use? (Yes-No)		no	no	no	no
Materials Stored in Tank	Material: dates:	waste oil * to *	gasoline * to *	gasoline * to *	gasoline * to *
	Material: dates:	to	to	to	to
Has Tank System Leaked? (Yes, No, Not Known)	Tank	not known	not known	not known	not known
	Piping	not known	not known	not known	not known
Basis of determination (Inventory records, tank system testing/monitoring, environmental monitoring)					
Is any part of the system cathodically protected? (Yes-No-Not Known)					
	Tank	not known	not known	not known	not known
	Piping Lines	not known	not known	not known	not known
Piping materials		none	not known	not known	not known

* From 1960-65 to 1970-74

C. PREVIOUS OWNERS AND OPERATORS OF THE TANK(S):

Dates	Owner/Operator
	not known

D. Approximate depth to groundwater: Greater than 40 feet

Basis of Determination: Prior experience in area

E. Proposed method of abandonment: |XX| Removal |___| Destruction in place

NOTE: Removal of the tank(s) is the preferred method of abandonment. Destruction of the tank in place, for example, by filling with an inert substance, will only be considered in special cases upon submittal of additional information to determine the risks and hazards of contamination. Additional information required includes recent tank testing results, soils data, special site characteristics and approval from the local Fire Department.

F. Future use/disposal site of tank: Contractor will dispose of tank

G. ATTACH A PLOT PLAN ON 8-1/2" x 11" paper showing the following:

1. Property Lines, Site Address, Scale, North Arrow
2. Location of 100 year flood plain, if applicable
3. Location of all existing and proposed structures
4. Location of all existing and proposed underground storage tank facilities
5. Location of underground tank(s) to be abandoned (number tanks to correspond to application)
6. Location of underground utility lines and vaults

H. REQUIRED INSPECTION - PERMIT TO ABANDON

A representative of the Department of Health Services (DHS) must be on site at the time the tank(s) is removed from the ground to evaluate the condition of the tank and the surrounding soil and/or groundwater. Any evidence of an unauthorized release of a hazardous material from the tank will require the submittal of additional information by the permittee to the DHS.

When a permit has been issued by the DHS to destroy a tank in place, the DHS will inspect to verify that the tank has been properly emptied and purged of all hazardous materials immediately prior to filling with an approved inert substance.

I. 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 Health Services.

I understand that tests and procedures that may be required by other departments and agencies to demonstrate adequate site safety or suitability for future development (e.g., soil compaction testing) are in addition to the requirements of the Department of Health Services.

I will notify the Department of Health Services 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 nor assumed by the County of San Diego.

Signature & Title Walter V. Kitchin Atte State geologist

Print Name Walter V. Kitchin

Telephone (619) 275-6577 Date 6 January 88

HAZARDOUS MATERIALS MANAGEMENT UNIT
ABANDONED UNDERGROUND TANK REPORT

EST. # H26441
P.C. # AT 1107

☑ YES FIRE AGENCY ☐ NO
FIRE AGENCY PERMIT # DAVID HOLMERUD

JURISDICTION

TANKS TO BE ABANDONED 4 PHONE

SITE NAME/ADDRESS 343 SOUTH HWY 101 S.B. ZIP 92075

CONTRACTOR TEIXEIRA CONST. INC. PHONE 2601851

C.G.I. GL - KITCHEN

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5
1. Tank ID #	1	2	3	4	
2. U/L #					
3. Capacity (Gallons)	8000	8000	12000	500	
4. Material Stored	CASINGHEAD	GASOLINE	GASOLINE	WASTE OIL	
5. Decontamination:	YES/NO	YES/NO	YES/NO	YES/NO	
Manifest Available? #87102467	NO	NO	NO	NO	
6. Tank Inerting: (CGIRDS)	SLUDGE	SLUDGE	SLUDGE	NO	
Dry Ice/Nitrogen (Qty)	DRYICE	DRYICE	DRYICE	NO	
7. Tank Condition (Holes)	PITTED	PITTED	PITTED	HOLES REPORTED	
8. Condition of Back Fill & Type	TAN SANDY	TAN SANDY	TAN SANDY	TAN SANDY	
9. Condition of Native Soil/Type	TAN SANDY	TAN SANDY	TAN SANDY	TAN SANDY	
10. Odors From Excavation?	SLIGHT	SLIGHT	SLIGHT	HYDROCARBON	
11. Ponded Product?	NO	NO	NO		
12. Ground Water Contamination	NOT APPARENT	NOT APPARENT	NOT APPARENT	NOT APPARENT	
13. Tank Closure In Place	N/A	N/A	N/A	N/A	
14. Pipeline Leak Evident?	N/A	N/A	N/A	N/A	
Reinspection Required?					
Reinspection Receipt Available?					

REMARKS:
TK 1 PITTED BOTTOM/RUSTY HOLES NOT APPARANT. TANK CONTAINED GAS. OUT OF USE 13 YEARS. TAR COATING MOSTLY INTACT
TK 2 PITTED BOTTOM HOLES NOT APPARANT. TANK CONTAINED GAS. NOT USED 13 YEARS TAR COATING MOSTLY INTACT/RUSTY SPOTS
TK 3 PITTED BOTTOM HOLES NOT APPARANT TANK CONTAINED GAS. OUT OF USE 13 YEARS. TAR COATING MOSTLY INTACT. RUSTY SPOTS
TK 4 3" DIA HOLE 4' FROM TOP END DOWN VENT SIDE. TANK EXCAVATION (BOTTOM) CLEANED. WASTE OIL CLEANED 4 TANK 2-8-88 PER
SOIL IN EXCAVATION AND PILES SLIGHTLY DISCOLORED DARK WITH HYDROCARBON ODORS IN SPOTS

NOTICE: You are hereby notified that on 2-9-88, G. GRIFFITH, Hazardous Materials Specialist of County Department of Health Services, conducted an inspection for the removal and/or abandonment of 4 TANKS underground storage tanks of hazardous substances. A summary of conditions found is noted as follows:

☐ No indication of soil or groundwater contamination apparent this date. Excavation may be backfilled.

☒ The conditions noted below must be reported and corrected in accordance with Chapters 6.5 and 6.7 of the California Health and Safety Code and Chapters 9 and 10 of the San Diego County Code.

☐ Hazardous substance/waste is ponded in the excavation. Immediately take steps to remove the ponded hazardous liquid from the excavation. This liquid is a hazardous waste that shall be properly transported, under manifest, by a licensed hazardous waste hauler to a licensed recycling or disposal facility.

☒ Contaminated soil and/or contaminated groundwater is suspected in the excavation. Determining the extent and impact of this contamination and completing any required clean-up is the responsibility of the tank owner/operator. Within 5 work days, the tank owner/operator or his agent must submit a written UNAUTHORIZED RELEASE REPORT to the Department of Health Services including all of the following information that is known at the time of filing the report:

a. Describe the type, quantity and concentration of the hazardous substance released.
b. Provide the results of all investigations completed at this time to determine the extent of soil, groundwater, or surface water contamination due to the release.
c. Describe the method of cleanup implemented to date, proposed cleanup actions, and approximate costs of actions taken to date.
d. Indicate the method and location of disposal of the released hazardous substance and any contaminated soils or groundwater or surface water. (If any contaminated soil/water is hauled off-site, include copies of the hazard waste manifests).
e. Include the tank operator's name and telephone number, the name and telephone number of any consultants retained, and a projection of proposed activity schedule.

Subsequent mitigation actions will be discussed upon review of the submitted Report and consultation with other appropriate agencies.

- REFER TO REVERSE SIDE FOR ADDITIONAL INFORMATION/REQUIREMENTS -

Received by Joseph Teixeira

Phone #

Hazardous Materials Specialist Signature

County of San Diego
Department of Health Services
HMMU - 1700 Pacific Highway
San Diego, CA 92101-2489
(619) 236-2222

DHS:HM-916 (3/87)

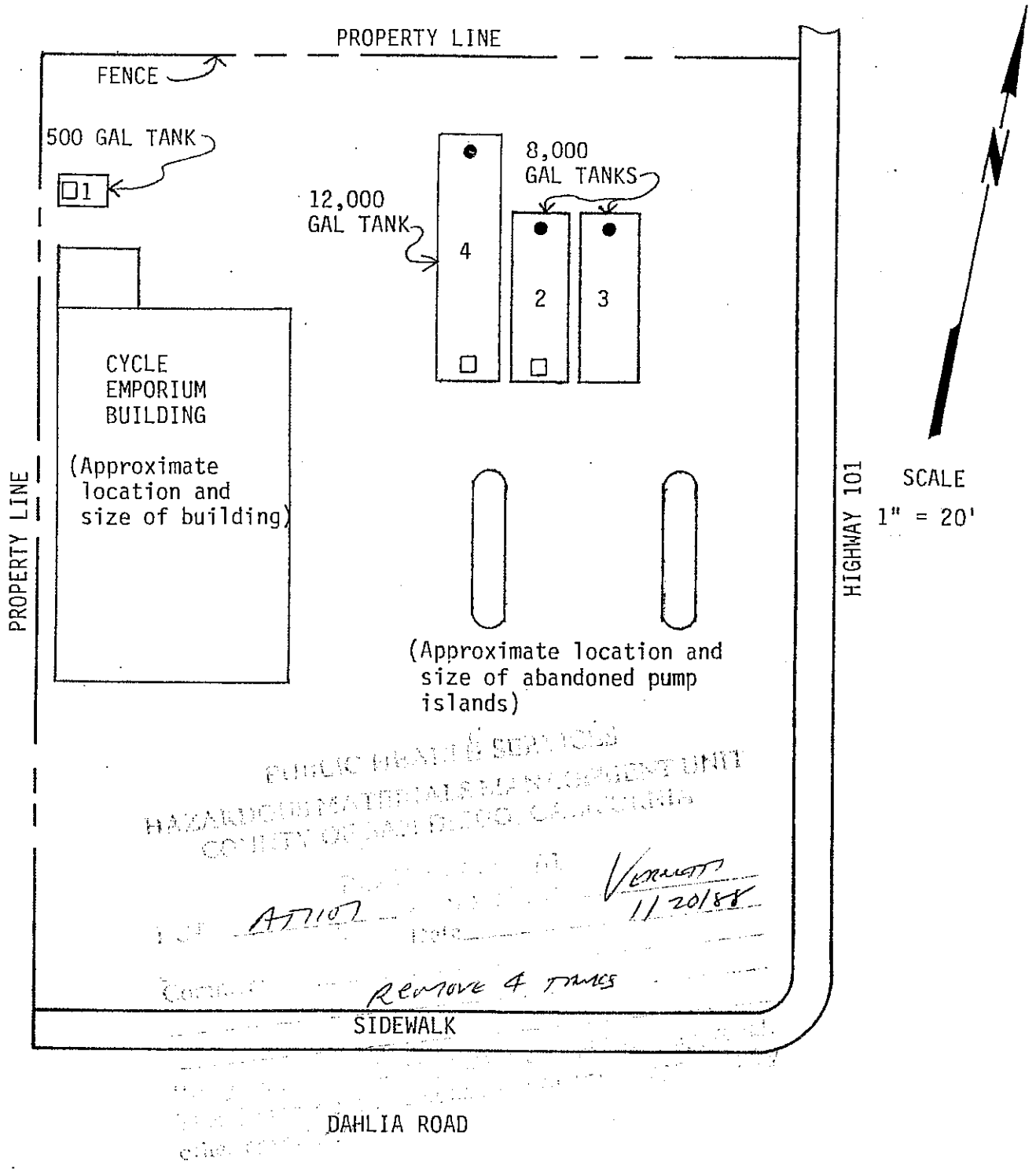
Field Observations and Notes:

1. Type of hazardous substance released: GASOLINE, WASTE OIL
2. Is hazardous substance ponded? NO Estimated amount —
3. Is amount of hazardous substance release known? NO Estimated amount _____
4. Estimated depth to groundwater MORE THAN 10 FT.
5. Is there an existing or potential beneficial use of the groundwater identified in the Basin Plan? YES
6. Soil conditions:

a. Is backfill discolored?	YES	Estimated amount 1 YARD
b. Is backfill saturated?	NO	Estimated amount —
c. Is native soil discolored?	YES	Estimated amount 1 YARD
d. Is native soil saturated?	YES	Estimated amount ½ YARD
e. Type of native soil (sandy, clay, etc.)	TAN. SANDY	

7. Description of odors from excavation SLIGHT HYDROCARBON ODORS
8. Condition of tank (holes, corrosion, deteriorated wrapping, etc.) 1 HOLE VENT END OF OILWASTE TANK APPROX 15" FROM TOP 3" DIAMETER. SOME RUSTED SPOTS ON TANK BOTTOM AND PITTING
9. Pipeline leak evident? NO
10. Nearby underground vaults or utilities or basements? (Specify) NO
11. Nearby water wells or surface waters? NO
12. Other comments/observations: SEE ATTACHED REPORT

DHS:HM-916 (3/87)



APPLIED HYDROGEOLOGIC consultants
3052 Clairemont Drive, Suite H-10 • San Diego, CA 92117 • (619) 275 0577

Figure 1
Site Plan
Ullman Shell
343 South Highway 101

Project No.
AHC 29C5.7

Request # 1710 | REQUEST TO REVIEW [illegible] RECORDS

SUBMIT TO:
County of San Diego
Department of Health Services
Environmental Health Services
Hazardous Materials Management Division
P.O. Box 85261
San Diego, CA 92186-5261
(619) 338-2222
FAX (619) 338-2377

(You may attach business card/overprint with business card if preferred.)

REQUESTED BY:
Company Name: Milton + June Illman
Mail Address: 4786 Mt Helix Dr
LaMesa, 91944
Contact Person: June Illman
Phone: ( ) 469-3494

A request is hereby made to review Hazardous Materials Management Division (HMMD) records, as indicated below for the following reason:

Signature | Title | Date

A separate form must be completed for each file/address and limited to a **MAXIMUM OF 5** addresses per request.

Establishment Name	EXACT Address/City **REQUIRED** No Street Ranges Accepted	Zip Code **REQUIRED**	File # (Optional)
	343 South Hy 101 Solana Bch	92075	H26441 H75

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

☐ Routine Inspection Permit File ☒ Tank Removal ☐ Tank Installation/ Reiping ☒ Contamination Files ☐ Emergency Response ☐ Compliant/Prop 65

HMMD USE ONLY BELOW THIS LINE

	H#	AT#	NT# /RP#	T#	HIRT#	#
Files pulled by/date:						
Conf. Info. to Cover?	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No
Checked by/date:						
Confidential Info Covered by/date:						

Date all files ready: 12/12 Requester notified by: DPlutt Date: 12/12 Time: 8:55

2nd notification by: _____ Date: _____ Time: _____

Review Scheduled: Monday Date: 12/16 Time: 8AM Rescheduled/Date: _____ Time: _____

Files reviewed by: Melton + June Illman Date: 12/16/91

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

Signature | Title | Date

DHS:HM-9098 (5/91)

County of San Diego
Department of Health Services

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
(619) 236-2237

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) 236-2222

OFFICIAL NOTICE

FEB 18, 1988

JUNE ULLMAN

4786 MT. HELIX DR
LA MESA, CA 92041

RE: UNAUTHORIZED RELEASE #T 0914
343 SOUTH HIGHWAY 101, SOLANA BEACH

Dear MRS ULLMAN :

Information provided to this Department by TANK REMOVAL OBSERVATION indicates that the underground hazardous substance storage facility at the location referenced above has experienced an Unauthorized Release (leak).

The conditions created by the Unauthorized Release must be reported and corrected in accordance with Sections 25295 and 25297 of Chapter 6.7 of the California Health and Safety Code (H&SC) and Section 2652, Subchapter 16, Chapter 3, Title 23 of the California Administrative Code (CAC), and Chapter 6.5 of the H&SC and Title 22 of the CAC.

As the owner/operator of the underground storage tank, it is your responsibility to:

1. Take immediate action to prevent further unauthorized release;
2. Determine the extent and impact of the unauthorized release;
3. Submit a written Unauthorized Release Report to this Department within five workdays of receipt of this Notice;
4. Complete and distribute within five workdays the enclosed State Water Resources Control Board's "Underground Storage Tank Unauthorized Release(Leak)/Contamination Site Report";
5. Submit supplemental report as required to update the initial report; and,
6. Complete any site mitigation (cleanup) required.

The Unauthorized Release Report must address all six Elements listed on the reverse side of this Official Notice, to the extent of the best information known at this time. Additional information and responsibilities are also listed. Please note Item G concerning responsibility for payment for staff time expended on the investigation.

Subsequent site characterization and mitigation actions will be determined upon evaluation of the written report and consultation with the Regional Water Quality Control Board and other appropriate regulatory agencies.

Please call me at (619) 236-2222 if you have any questions regarding this Official Notice.

Sincerely,

David Foley
Hazardous Materials Specialist

Enclosure

cc: RWQCB

COUNTY OF SAN DIEGO

DEPARTMENT OF HEALTH SERVICES
1700 Pacific Highway, San Diego, CA 92101

SMOKING ENDANGERS EVERYONE'S HEALTH

DIVISION OF ENVIRONMENTAL HEALTH PROTECTION
HAZARDOUS MATERIALS MANAGEMENT UNIT
(619) 236-2222

H 26491

DATE: FEB. 19, 1988

MEMORANDUM FOR: California Regional Water Quality Control Board, San Diego Region

FROM: Hazardous Materials Management Unit (HMMU)

SUBJECT: UNAUTHORIZED RELEASE OF HAZARDOUS MATERIAL FROM AN UNDERGROUND STORAGE TANK T# 0914

Evidence of an unauthorized release of a hazardous material has been noted by HMMU staff at the site described below:

Site Address: 343 SOUTH HIGHWAY 101 (Street) | SOLANA BEACH (City) | 92075 (Zip Code)

Property Owner: DR. MILTON AND JUNE ULLMAN (Name)

PBR APPLICATION

4786 MT. HELIX DRIVE (Street) | LA MESA (City) | 92041 (Zip Code)

Telephone ~~442~~ 469-3494

Tank Operator: _____ (Name) | _____ (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) UG TANK

Amount Released Unk (Gallons) Unk (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
X 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). AT 1107

Date Release Reported to or Detected by HMMU 2/9/88
Contact With Other Agencies _____
Additional Comments:

Please call the HMMU at 236-2222 if you have questions or comments regarding the above.

HMMU STAFF D. Ott

HAZARDOUS MATERIALS MANAGEMENT UNIT
ABANDONED UNDERGROUND TANK REPORT

E.H. # H26441
P.C. # AT 1107

☑ YES FIRE AGENCY ☐ NO
FIRE AGENCY PERMIT # DAVID HOLMERUD

TANKS TO BE ABANDONED 4 PHONE

SITE NAME/ADDRESS 343 SOUTH HWY 101 S.B. ZIP 92075

JURISDICTION

CONTRACTOR TEIXEIRA CONST. INC. PHONE 2601851

PHONE

C.G.I. 6L - KITCHEN

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5
1. Tank ID #	1	2	3	4	
2. U/L #					
3. Capacity (Gallons)	8000	8000	12000	500	
4. Material Stored	GASOLINE	GASOLINE	GASOLINE	WASTE OIL	
5. Decontamination:	YES/NO	YES/NO	YES/NO	YES/NO	
Manifest Available? #87102467	NO	NO	NO	NO	
6. Tank Inerting: (CGIRDS)	8 SLBS	8 SLBS	8 SLBS	NO	
Dry Ice/Nitrogen (Qty)	DRY ICE	DRY ICE	DRY ICE	NO	
7. Tank Condition (Holes)	PITTED	PITTED	PITTED	HOLES REMOVED	
8. Condition of Back Fill & Type	TAN SANDY	TAN SANDY	TAN SANDY	TAN SANDY	
9. Condition of Native Soil/Type	TAN SANDY	TAN SANDY	TAN SANDY	TAN SANDY	
10. Odors From Excavation?	SLIGHT	SLIGHT	SLIGHT	HYDROCARBON	
11. Ponded Product?	NO	NO	NO		
12. Ground Water Contamination	NOT APPARENT	NOT APPARENT	NOT APPARENT	NOT APPARENT	
13. Tank Closure in Place	N/A	N/A	N/A	N/A	
14. Pipeline Leak Evident?	N/A	N/A	N/A	N/A	
Reinspection Required?					
15. Reinspection Receipt Available?					

REMARKS:
TK 1 PITTED BOTTOM/RUSTS HOLES NOT APPARANT. TANK CONTAINED GAS - OUT OF USE 13 YEARS. TAR COATING MOSTLY INTACT
TK 2 PITTED BOTTOM HOLES NOT APPARANT TANK CONTAINED GAS, NOT USED 13 YEARS TAR COATING MOSTLY INTACT/RUSTY SP
TK 3 PITTED BOTTOM HOLES NOT APPARANT TANK CONTAINED GAS. OUT OF USE 13 YEARS TAR COATING MOSTLY INTACT. RUST SPOTS
TK 4 3" DIA HOLE 4' FROM TOP END DOOR VENT SIDE TANK EXCAVATION DUST DARK NELLO OIL CLEANED 4 TANK 2-8-88 PER
SOIL IN EXCAVATION AND PILES SLIGHTLY DISCOLORED DARK WITH HYDROCARBON ODORS IN SPOTS

NOTICE: You are hereby notified that on 2-9-88, G. GRIFFITH, Hazardous Materials Specialist of County Department of Health Services, conducted an inspection for the removal and/or abandonment of 4 TANKS underground storage tanks of hazardous substances. A summary of conditions found is noted as follows:

☐ No indication of soil or groundwater contamination apparent this date. Excavation may be backfilled.

☒ The conditions noted below must be reported and corrected in accordance with Chapters 6.5 and 6.7 of the California Health and Safety Code and Chapters 9 and 10 of the San Diego County Code.

☐ Hazardous substance/waste is ponded in the excavation. Immediately take steps to remove the ponded hazardous liquid from the excavation. This liquid is a hazardous waste that shall be properly transported, under manifest, by a licensed hazardous waste hauler to a licensed recycling or disposal facility.

☒ Contaminated soil and/or contaminated groundwater is suspected in the excavation. Determining the extent and impact of this contamination and completing any required clean-up is the responsibility of the tank owner/operator. Within 5 work days, the tank owner/operator or his agent must submit a written UNAUTHORIZED RELEASE REPORT to the Department of Health Services including all of the following information that is known at the time of filing the report:

a. Describe the type, quantity and concentration of the hazardous substance released.
b. Provide the results of all investigations completed at this time to determine the extent of soil, groundwater, or surface water contamination due to the release.
c. Describe the method of cleanup implemented to date, proposed cleanup actions, and approximate costs of actions taken to date.
d. Indicate the method and location of disposal of the released hazardous substance and any contaminated soils or groundwater or surface water. (If any contaminated soil/water is hauled off-site, include copies of the hazard waste manifests).
e. Include the tank operator's name and telephone number, the name and telephone number of any consultants retained, and a projection of proposed activity schedule.

Subsequent mitigation actions will be discussed upon review of the submitted Report and consultation with other appropriate agencies.

- REFER TO REVERSE SIDE FOR ADDITIONAL INFORMATION/REQUIREMENTS -

Received by Joseph Teixeira

Phone #

Hazardous Materials Specialist Signature

County of San Diego
Department of Health Services
HMMU - 1700 Pacific Highway
San Diego, CA 92101-2489
(619) 236-2222

DHS:HM-916 (3/87)

COUNTY OF SAN DIEGO
ENVIRONMENTAL HEALTH PROTECTION
1700 PACIFIC HWY., SAN DIEGO, CA. 92101 PHONE: 619-236-2243

Jule H

--FOR OFFICE USE ONLY--

ESTAB NUMBER	CENSUS TR/INC CODE	BUS CODE	UNITS	ANNUAL FEE	EXPIR DATE(MO-DAY)
H 26491		775		000000	0131
2	21	28	31	35	41

SIC-1	SIC-2	FIRE	WATER	SEWER	ZONING	MAP ON FILE	STATUS	ASSESSOR'S PARCEL NO.
45	49	53	55	57	59	61	62	64

--PLEASE COMPLETE THE FOLLOWING SECTION--

ESTABLISHMENT OWNER NAME: JUNE & MILTON ULLMAN (74)
(AREA) OWNER PHONE: (104)

ESTABLISHMENT ADDRESS:
STREET NUMBER: 343 (114)
DIRECTION: (125)
STREET NAME: SOUTH HY 101 (127)
BLDG/SUITE: (147)

CITY: SOLANA BEACH (151)
STATE: CA (166)
ZIP CODE: 92075 (168)
(AREA) BUSINESS PHONE: (177)

SECOND NAME OR NAME OF MANAGEMENT COMPANY: (187)

MAILING ADDRESS (IF DIFFERENT FROM ESTABLISHMENT ADDRESS):
STREET NUMBER: 4786 (217)
DIRECTION: (228)
STREET NAME: MT HELIX DR (230)
BLDG/SUITE: (250)

CITY: LA MESA (254)
STATE: CA (269)
ZIP CODE: 92041 (271)

ESTABLISHMENT NAME: JUNE & MILTON ULLMAN (284)
GAS STATION: (314) YES = 1, OTHER = 2

REASON FOR APPLICATION: (315)
1 - NEW
2 - RE-OPEN
3 - OWNER CHANGE

NUMBER OF EMPLOYEES:

IF OTHER, LIST TYPE OF BUSINESS:

NAME OF PREVIOUS OWNER: (316)
DATE BUS ASSUMED: (346)

CONTACT PERSON: (352)

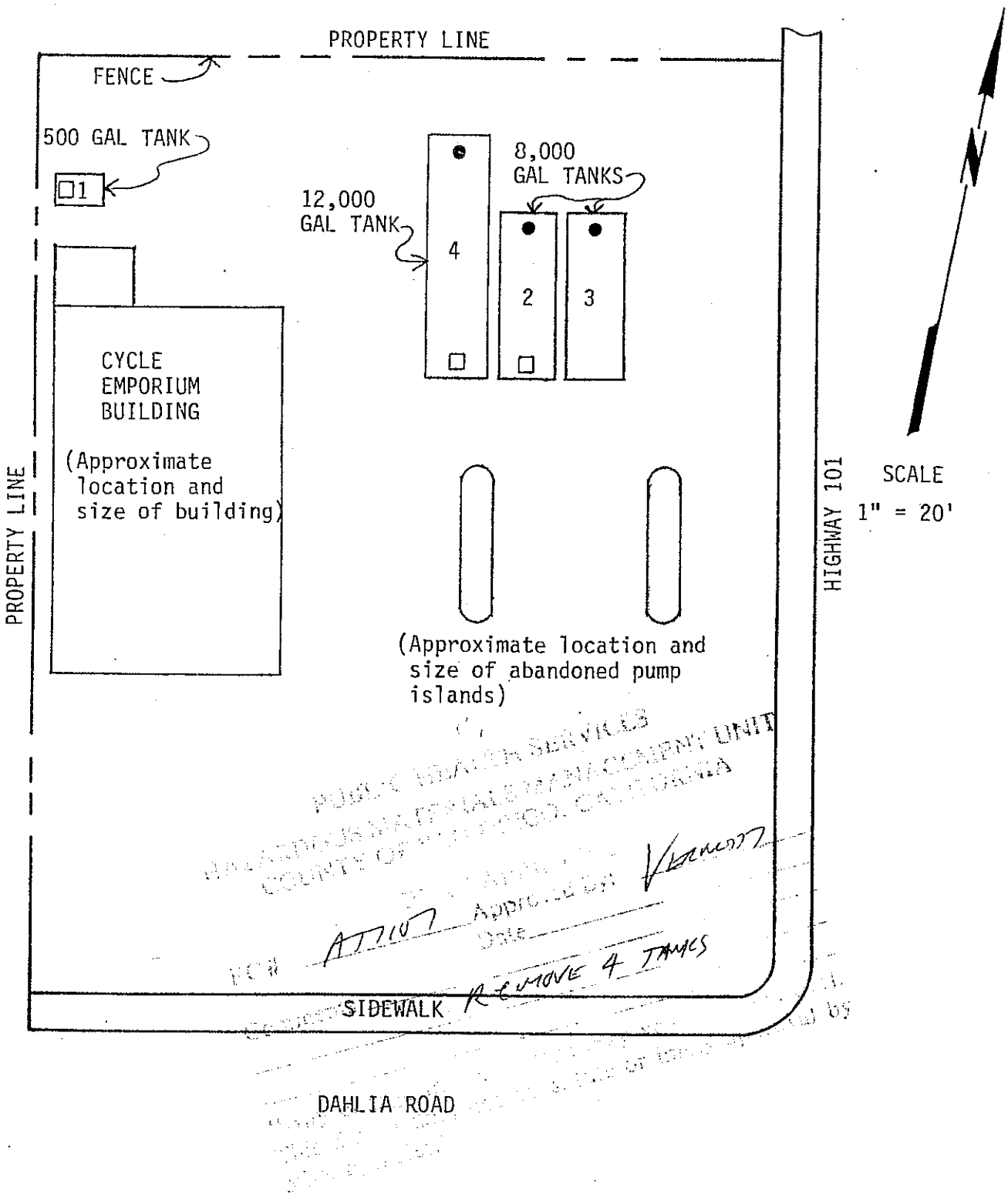
***** ALL APPLICANTS PLEASE COMPLETE APPROPRIATE SUPPLEMENTARY FORMS *****

V 35

I DECLARE UNDER PENALTY OF PERJURY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF THE STATEMENTS MADE HEREIN ARE CORRECT AND TRUE. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS MADE PURSUANT TO LAW AND INCIDENTAL TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THIS BUSINESS.

SIGNATURE _____ DATE _____

WP:PERMIT/APP



APPLIED HYDROGEOLOGIC consultants 3052 Clairemont Drive, Suite H-10 • San Diego, CA 92117 • (619) 275 6577	Figure 1 Site Plan Ullman Shell 343 South Highway 101	Project No. AHC 29C5.7

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) 236-2222

December 15, 1988

MILTON ULLMAN
4786 MT. HELIX DR
SAN DIEGO, CA 92041-

DEAR SIR:

SUBJECT: UNAUTHORIZED RELEASE NO.H26441-001
343 SOUTH HY 101, SOLANA BEACH

THIS LETTER IS TO INFORM YOU OF A CHANGE IN OUR BILLING PROCEDURE FOR THE UNAUTHORIZED RELEASE (LEAK) INVESTIGATION AT THE ABOVE REFERENCED UNDERGROUND STORAGE TANK SITE. THE COUNTY OF SAN DIEGO HAS RECENTLY ENTERED INTO A CONTRACT WITH THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) TO OVERSEE THE INVESTIGATION AND REMEDIATION OF LEAKY TANK SITES. AS OF APRIL 20, 1988, ALL COSTS INCURRED ON THIS CASE BY THE HAZARDOUS MATERIAL MANAGEMENT DIVISION (HMMD) ARE BEING INVOICED TO THE SWRCB, WHO WILL BE BILLING YOU IN THE FUTURE. SAN DIEGO COUNTY WILL BE INVOICING YOU PER OUR NORMAL ANNUAL BILLING PROCEDURE FOR COSTS GENERATED PRIOR TO APRIL 20, 1988. WITH REGARD TO THE CONTRACT, THE SWRCB REQUIRES THAT THE HMMD NOTIFY YOU OF THE FOLLOWING:

> "WHEREAS THE FEDERAL PETROLEUM LEAKING UNDERGROUND STORAGE TANK TRUST FUND PROVIDES FUNDING 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 SUBDIVISION (H) OF SECTION 699 (B) OF THE UNITED STATES CODE, THE ABOVE RESPONSIBLE PARTY OR PARTIES SHALL REIMBURSE THE STATE WATER RESOURCES CONTROL BOARD FOR ALL DIRECT AND INDIRECT COSTS INCURRED BY ANY AND ALL STATE AND LOCAL AGENCIES 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."

YOU WILL BE NOTIFIED IN THE FUTURE OF ANY ADMINISTRATIVE OR REPORTING CHANGES REQUIRED PURSUANT TO THE CONTRACT. PLEASE CONTACT ME AT (619) 236-2222 IF YOU HAVE ANY QUESTIONS.

SINCERELY,

Daniel J. Avera

DANIEL J. AVERA, Chief
HAZARDOUS MATERIALS MANAGEMENT DIVISION

DJA:LO:lja
cc: SWRCB
RRR

WP/A#2/BILLPRO

DFX

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
(619) 236-2237

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) 236-2222

April 21, 1988

June Ullman
4786 Mt. Helix Drive
La Mesa, CA 92041

RE: 343 South Highway 101, Solana Beach
T0914/H26441

Dear Mrs. Ullman:

I have reviewed the site characterization and clean-up reports for the above referenced site. I have also discussed the work with Walter Kitchen of Applied Hydrogeologic Consultants (AHC).

The Regional Water Quality Control Board has established a soil clean-up level of 1000 mg/kg Total Petroleum Hydrocarbons (TPH) and 10 mg/kg PCB's for the site.

A sample of in-place native soil (S#2), taken after the initial soil remediation work was completed, showed non-detectable PCB levels. The sample also contained 7700 mg/kg and 1700 mg/kg TPH in analyses by two laboratories.

AHC has concluded that no significant contamination remains beneath the site. AHC believes the elevated TPH level in sample S#2 is a result of cross contamination during the soil excavation process. To demonstrate this, additional verification samples of native soil are needed. These must be taken at depths of 15, 17.5 and 20 feet from a location positioned approximately one foot northwest of sample location S#2. These samples shall be examined by the on site geologist for evidence of hydrocarbon contamination. The sample with the largest amount of "visible" contamination must be analyzed for TPH by EPA Method 418.1. If all samples appear free of contamination, an analysis of the sample from 20 feet shall be carried out utilizing method 418.1.

All samples shall be preserved and archieved in an appropriate manner until laboratory results have been evaluated by HMMD. A boring log describing soils at each of the sample locations must be provided..

Please contact me if you have any questions regarding this matter.

Sincerely,

DAVID FELIX
Hazardous Materials Specialist

DFx:jj

cc: Applied Hydrogeologic Consultants

APPLIED HYDROGEOLOGIC consultants

21 April 1988
(AHC 29C5.8C)

Mr. David Felix
San Diego County Department of Health Services
Hazardous Material Management Division
P.O. Box 85261
San Diego, CA. 92138-5261

Subject: Unauthorized Release - HMMD #T0914
Ullman, Solana Beach - Site Clean-up Update
343 South Highway 101 Solana Beach, CA.

Dear Mr. Felix:

You expressed several concerns about the site mitigation update on this site dated 7 April 1988. Some clarification and additional work was recommended. Each of the concerns expressed in our phone conversation of 13 April 1988 are addressed in this letter. The additional boring and sampling were completed and the results are presented in this report.

CONCERN: Chain of custody for sample S-2.

The chain of custody for sample S-2 from us to Analytical Technologies Inc. and then from us to Chemical Research Laboratory Inc. was included in our report of 7 April 1988. The chain of custody from Analytical Technologies Inc. to us is included here in Appendix D.

CONCERN: A more detailed explanation of the size and shape of the large diameter boring.

The boring started near the bottom of the waste oil tank excavation. In the upper part this boring was 10 feet in diameter plus or minus. The bottom of the boring was 20 feet from the ground surface. At the bottom, this boring was belled to approximately 11 to 12 feet in diameter and tapered into the 10 foot diameter size about 4 to 5 feet up from the bottom. Figure 3 is a cross section of this large diameter boring with the plume location shown.

CONCERN: Additional exploratory boring and verification samples near sample S-2.

Field Work

Boring B-9 was completed on 15 April 1988. This boring was approximately 1½ feet to the northwest of the location were sample S-2 was collected (Figure 2). Field samples were collected and evaluated with an HNU portable Photoionization Detector model 101 (PID) calibrated for benzene (see Appendix B). The samples were put in a plastic bag with approximately 1/3 sample and 2/3 head space by volume. The bag was placed in the

sun for a fifteen minutes before sampling with the PID. A representative sample, WOB9-D19 was sent to Chemical Research Laboratories for analysis.

Evaluation

Sample WOB9-D15, WOB9-D17½ and WOB9-D19 all had field levels of 5 ppm or less measured with the PID. Sample WOB9-D19 was selected for laboratory analysis because it was very close to where the bottom of the plume was in boring B-1. Results from the laboratory show 1 ppm total petroleum hydrocarbons.

Combined with borings B-7, B-8 and the large diameter boring, the location of sample S-2 was completely surrounded by additional samples. Samples from borings B-7, B-8 (AHC report dated 7 April 1988) and B-9 all were 1 ppm total petroleum hydrocarbons, this was the detection limit for the test method used by CRL.

CONCLUSIONS

Based on the above observations it is the conclusion of Applied Hydrogeologic Consultants that no significant contamination remains beneath the site.

The opportunity to prepare this report is greatly appreciated. Please feel free to call our office if you have any questions.

Sincerely,

Walter V. Kitchin, EIT
Staff Geologist

Bernard J. Luther, CEG 1356
President

TABLE 1

SOIL SAMPLES - AHC # 29C5.8C
Waste Oil Tank Borings
(Date Sampled: 15 April 1988)

EPA METHOD 418.1
LABORATORY Chemical Research Laboratory, Inc. (CRL)

SAMPLE NO.	DATE SAMPLED	CRL REPORT #	TPH
WOB9-D19	15 Apr.	810622	1. ppm

TPH - Total Petroleum Hydrocarbons
PPM - Parts per million
ND - indicates the compound was analyzed for but not detected at a concentration above the detection limit shown ( ).

DF

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
(619) 236-2237

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) 236-2222

OFFICIAL NOTICE

March 4, 1988

Dr. Milton and June Ullman
4786 Mt. Helix Drive
La Mesa, CA 92041

RE: UNAUTHORIZED RELEASE #TO914/H26441
343 SOUTH HIGHWAY 101, SOLANA BEACH, CA

Dear Dr. and Mrs. Ullman:

The initial Unauthorized Release Report submitted by Applied Hydrogeologic Consultants dated 02/09/88, for the site referenced above conforms to the reporting requirements, as prescribed in the California Health and Safety Code, Chapter 6.7 and the California Administrative Code, Title 23, Chapter 3, Subchapter 16, Article 5, Section 2652.

For the duration of the site mitigation process, you are required to provide periodic written supplemental reports to this Department to update the Unauthorized Release Report pursuant to the California Administrative Code, Title 23, Chapter 3, Subchapter 16, Article 5, Section 2652.

Please submit a written supplemental report to update the Unauthorized Release Report every month. The report should include a summary of the investigation and mitigation progress accomplished to date, along with the projected accomplishments for the next reporting period. The update report is due by April 10, 1988.

If during the site mitigation process any significant situation is encountered that was not known nor anticipated at the time of the initial Unauthorized Release Report, please provide a written statement describing the situation in order to amend the Unauthorized Release Report.

As a reminder, a copy of each manifest for hauling any hazardous waste generated as a result of the site characterization and mitigation procedure must be included with the written supplemental reports.

If you have any questions on this matter please contact me at (619) 236-2222.

Sincerely,

David Felix

DAVID FELIX
Hazardous Materials Specialist

:jj
cc: RWQCB
Applied Hydrogeologic Consultants

REPORTS

AND

LETTERS

FROM RESPONSIBLE PARTY OR CONSULTANT

#10-71

ROY F. WESTON, INC.
6400 CANOGA AVENUE
SUITE 100
WOODLAND HILLS, CA 91367
(818) 596-6900

"HMMU"

OCT 18 1 36 PM '89

October 16, 1989

Ms. Marianne Ruckle
County of San Diego
Department of Health Services
Hazardous Materials Management Division
P.O. Box 85261
San Diego, CA 92138

WO# 5532-03-01

SUBJECT: Review of Files

Dear Ms Ruckle:

I am requesting information on reported underground storage tank (UST) leaks in the vicinity of a certain property in San Diego, California. Roy F. Weston, Inc. (WESTON), has been retained to perform an environmental assessment on the property. During the course of the assessment, WESTON attempts to identify hazardous materials that may be present on the property. To this end, I would like the opportunity to review the files of facilities with known unauthorized releases from USTs in the vicinity of 701 South Nardo, Solana Beach.

To assist you, I have listed below sites in the immediate area that were reported to the State Water Resources Control Board as being under the supervision of the local agency:

- Exxon Service Station
  706 Lomas Santa Fe
  Solana Beach, 92075;
- Solana Beach Fire Department
  102 North Nardo Avenue
  Solana Beach, 92102;
- Mobil Service Station #18-JTV
  705 Lomas Santa Fe
  Solana Beach, 92075;
- Mohawk Gas Station
  435 North Highway 101
  Solana Beach, 92075;

11/5 Ready to review - WDenn
11/5 Left msg - WDenn
11/17 W/C back to schedule
11/21 Norman Saco will be here at 11AM on 11/21
11/21/89 Norman Saco here to review files - WDenn

#9-40

MALCOLM PIRNIE

MALCOLM PIRNIE, INC.
ENVIRONMENTAL ENGINEERS, SCIENTISTS & PLANNERS

September 8, 1989

County of San Diego
Environmental Health Services
Hazard Materials Mgmt. Division
San Diego, CA

Attn: Mary Ann Ruckle

Dear Ms. Ruckle:

This letter is to request access to the "Unauthorized Release Files" for all of the establishments on the enclosed list.

Please notify Steve Price or myself, at the number listed on this letterhead, as soon as these reports are ready so that we can arrange for a time to view them.

Thank you for your attention to this matter.

Very truly yours,

MALCOLM PIRNIE, INC.

Brian C. Haws
Engineer

cr

Enc.

9/25 ready to Review
HDennis

9/25 mog
10/23 Steve W/C back
Next appt
11/1 W/C back today
11/1 Judd Warren
Cancelled file review
request - HDennis

175 CALLE MAGDALENA, SUITE 201 ENCINITAS, CA 92024 619-632-1123 TELEX 137384

APPLIED HYDROGEOLOGIC consultants

"HMMU"

MAY 17 10 28 AM '88

RECORD OF TRANSMITTAL

DATE: MAy 17, 1988

To: David Felix Title:

Of: HMMD

Reference: Unauthorized Release - HMMD #TO914

Description: Uniform Hazardous Waste Manifest # 87810515 for the final contaminated soil removal from 343 South Highway 101, Solana Beach, CA

From: Walter V. Kitchin Title: Staff Geologist

Comments/Action: cc: Scott Hugenberger, CRWQCB

Mr. and Mrs. Ullman, Property owner

3052 Clairemont Drive, Suite B • San Diego, CA 92117 • (619) 275-6577

Approved OMB No. 2050—0039 (Expires 9-30-8[illegible]

Department of Health Service
Toxic Substances Control Divisio
Sacramento, Californi

ase print or type. (Form designed for use on e[illegible]pitch typewriter).

UNIFORM HAZARDOUS WASTE MANIFEST

Generator's US EPA ID No. C A C 0 0 0 0 6 4 1 3 3

Manifest Document No. [illegible]

2. Page 1 of 1

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

3. Generator's Name and Mailing Address
DR. ULLMAN
4786 MT. HELIX DRIVE LA MESA, CA. 92041

4. Generator's Phone (619) 275-6577

A. State Manifest Document Number [illegible]8781051[illegible]

B. State Generator's ID [illegible]

5. Transporter 1 Company Name
WRIGHT BROS.

6. US EPA ID Number
C A D 0 9 8 1 1 6 7 5 7 2

C. State Transporter's ID 8083-12

D. Transporter's Phone 619-398-5651

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID 807996

F. Transporter's Phone

9. Designated Facility Name and Site Address
CASMALIA RESOURCES
NIU ROAD
CASMALIA, CA. 93429

10. US EPA ID Number
C A D 0 2 0 7 4 8 1 2 5

G. State Facility's ID
C A D 0 2 0 7 4 8 1 2 5

H. Facility's Phone
805-937-8449

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. HAZARDOUS WASTE SOLID, N.O.S., ORM-E, NA9189	002	DT	0004	Y	State 611 EPA/Other D001
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
11. a. SOIL THAT IS CONTAMINATED WITH PETROLEUM HYDROCARBONS.
SEE ATTACHED ANALYSIS

K. Handling Codes for Wastes Listed Above
a. [illegible] b.
c. d.

15. Special Handling Instructions and Additional Information
WEAR GLOVES. USE A RESPIRATOR WITH ORGANIC VAPOR CARTRIDGES.

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
WALTER V. KITCHIN	[signature]	10	05	88

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Tom Tabios	Tom Tabios	10	05	88

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
CASMALIA RESOURCES				

GENERATOR

TRANSPORTER

FACILITY

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

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Blue: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95802

INSTRUCTIONS ON THE BACK

From Walter Ketchen 4/27/88

343 South Highway 101

30 yds^3 Contaminated soil excavated

15 yds^3 To Casmalia

~15 yds^3 on site, waiting for "conditional" approval of site remediation. Will have it disposed of when verbal OK is given for site. Will then provide manifest.

DWF

APPLIED HYDROGEOLOGIC consultants

HMMD

APR 26 3 31 PM '88

RECORD OF TRANSMITTAL

DATE: 26 April 1988

To: David Felix Title:

Of: HMMD

Reference: Update Report

Ullman, 343 South Highway 101, Solana Beach, CA

Description: Inclosed you will fine an update report covering the concerns expressed in our 13 April 1988 telephone conversation regarding the closure of this site.

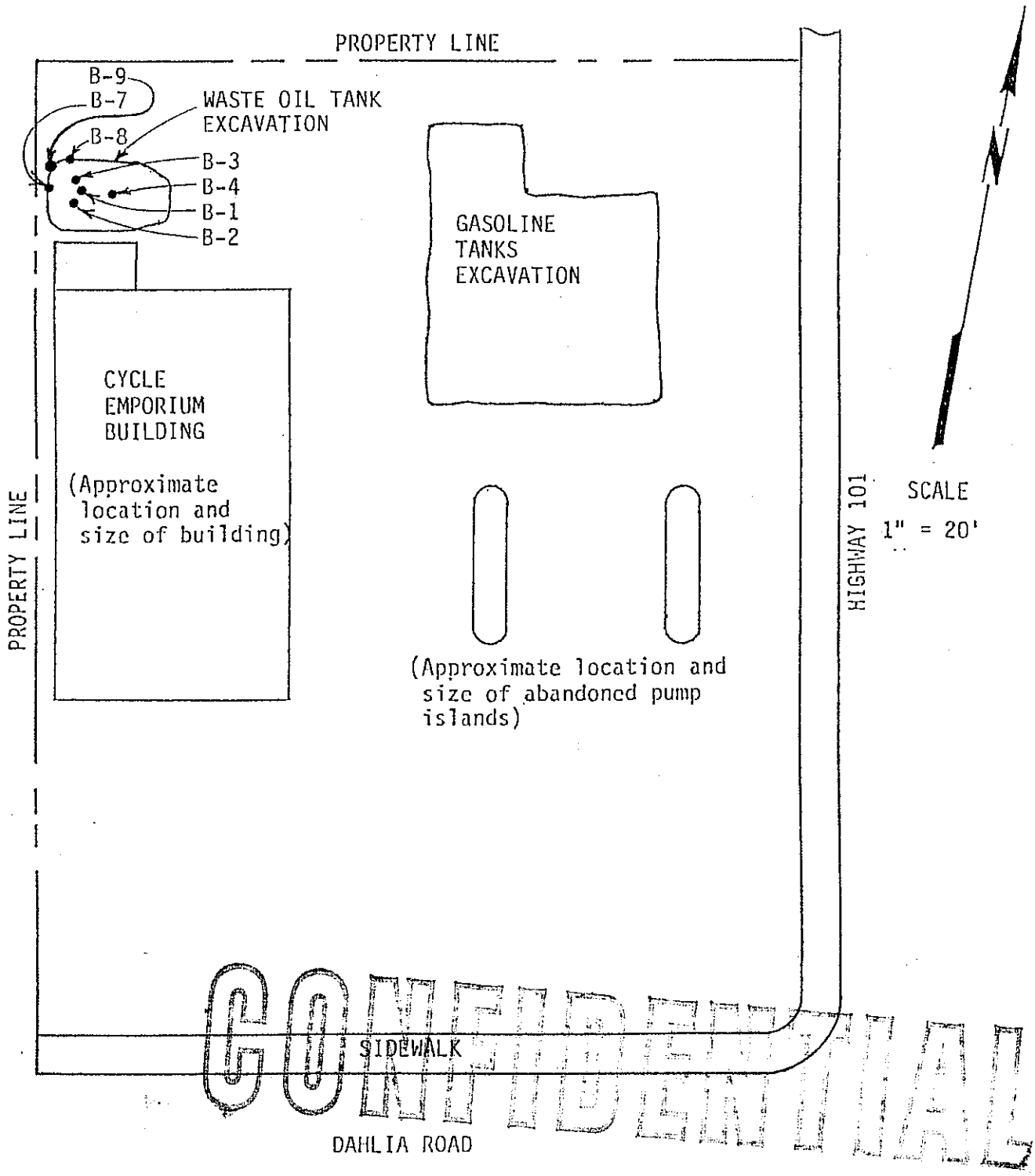
From: Walter V. Kitchin Title: Staff Geologist

Comments/Action: cc: Scott Hugenberger, RWQCB

Mr. and Mrs. Ullman, Property owner

3052 Clairemont Drive, Suite B • San Diego, CA 92117 • (619) 275-6577

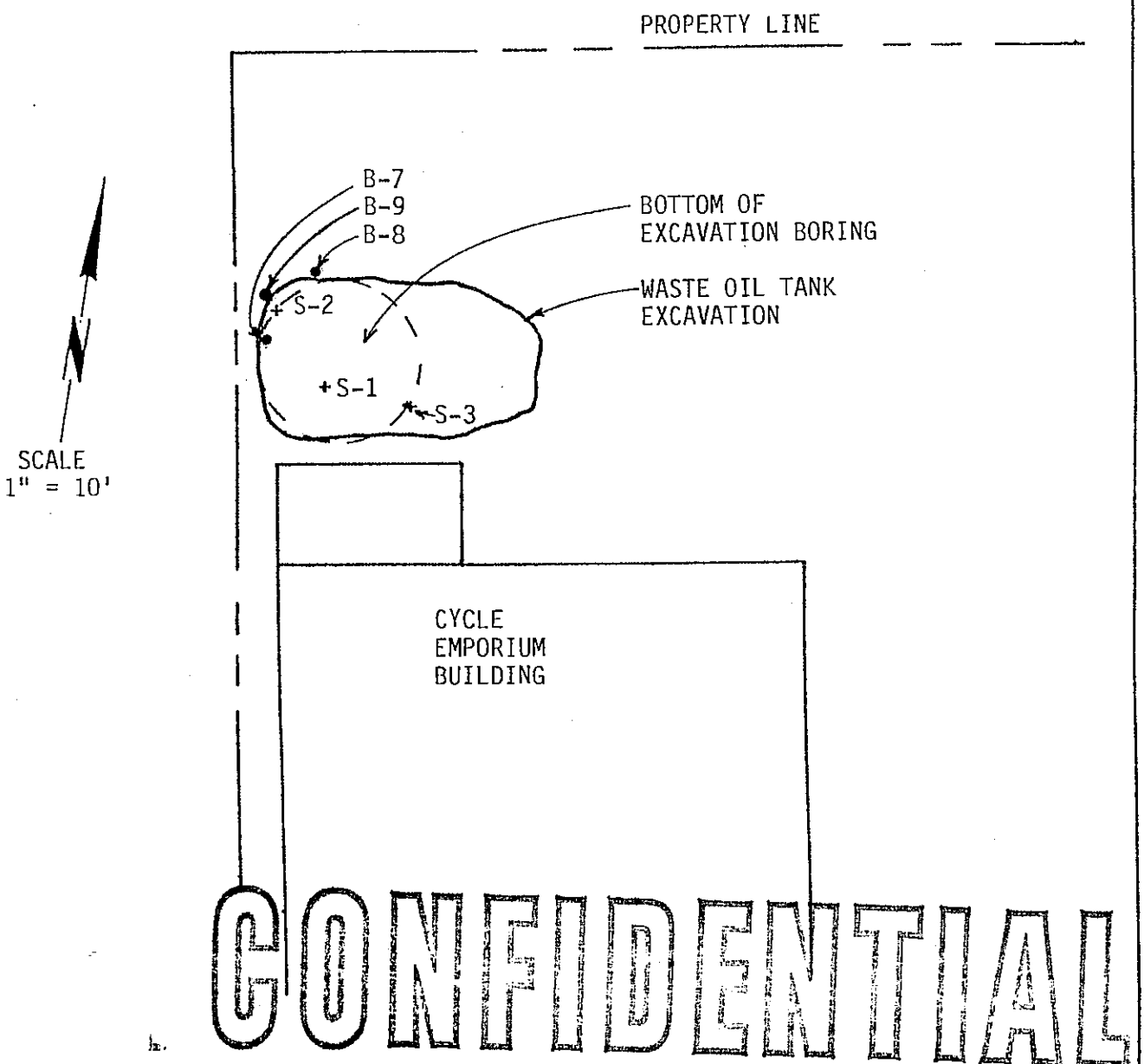
Appendix A
Site Plan



APPLIED HYDROGEOLOGIC consultants
3052 Clairemont Drive, Suite H-10 • San Diego, CA 92117 • (619) 275-6577

Figure 1
Site Plan
Ullman Shell
343 South Highway 101

Project No.
AHC 29C5.8C

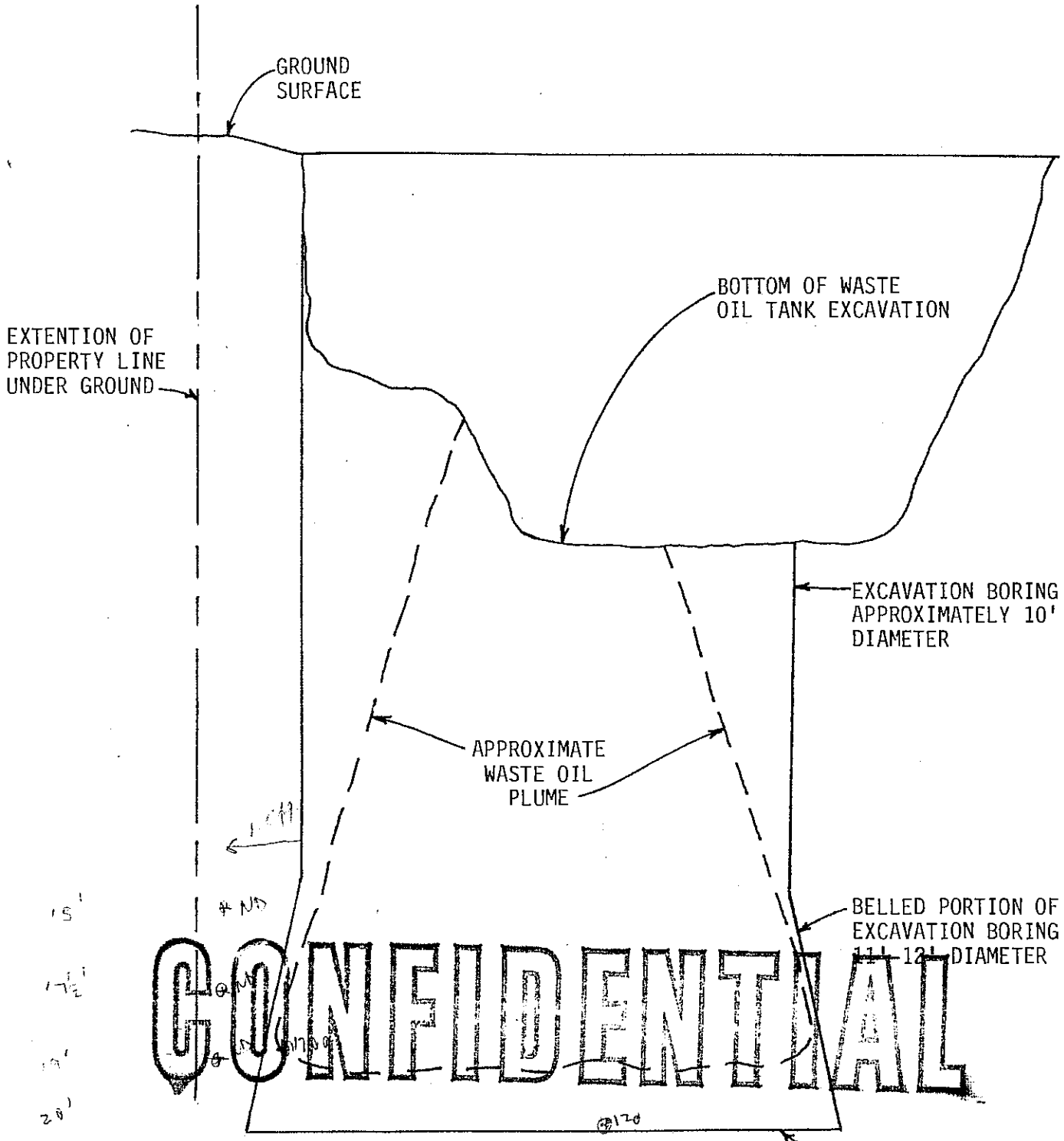


APPLIED HYDROGEOLOGIC consultants
3052 Clairemont Drive, Suite H-10 • San Diego, CA 92117 • (619) 275 6577

Figure 2
Waste Oil Excavation Boring
Ullman Shell
343 South Highway 101

Project No.
AHC 29C5.8C

SCALE 1" = 3'



NOTES: CROSS SECTION LOOKING NORTH

VERTICAL AND HORIZONTAL SCALE THE SAME

APPLIED HYDROGEOLOGIC consultants 3052 Clairemont Drive, Suite H-10 • San Diego, CA 92117 • (619) 275 6577	Figure 3 Waste Oil Plume Cross Section Ullman Shell 343 South Highway 101	Project No. AHC 29C5.8C

BORING LOG

Date 5 April 1988

Boring No. WO-B9

Project No. 29C5.8C

Depth Ft	Soil Class Smbl	Sample No	Soil Description	Comments
			Asphaltic concrete and base coarse.	
2.0		*	Red brown very moist, dense, fine to medium sand. (SW)	- PID 7 ppm
4.0		*		- PID 7½ ppm
6.0			Red brown and gray mixed very moist, dense, fine to medium sand. (SW)	
8.0		*		- PID 10 ppm
10.0			Light gray moist, dense, fine to medium sand. (SW)	
12.0		*		- PID 5 ppm
14.0		*		- PID 5 ppm
		▲		-Sample WOB9-D15
16.0		*	Gray black, micaceous, damp fine to medium sand. (SW)	- PID 5 ppm
		▲		-Sample WOB9-D17½
18.0		*		- PID 3 ppm
		▲	Yellowish white, damp, dense fine to coarse sand. (SW)	-Sample WOB9-D19
		*		- PID 3 ppm
20.0			BOTTOM OF BORING	

NOTE:
* (PID) Photo-ionization sample

APPLIED HYDROGEOLOGIC consultants
3052 Clairemont Drive, Suite H-10 • San Diego, CA 92117 • (619) 275-6577

ULLMAN 29C5.8C
343 South Hwy. 101
Solana Beach, CA

Appendix C
Laboratory Results

Chemical Research Laboratories, Inc.
SOUTHERN CALIFORNIA DIVISION
7440 Lincoln Way • Garden Grove, CA 92641
(714)898-6370 • FAX: (714)891-5917 • (800)LAB-1CRL

April 20, 1988

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Dr., Suite B
San Diego, CA 92117
ATTN: Walter V. Kitchin

ANALYSIS NO.: 810622-001
ANALYSES: EPA Method 418.1
DATE SAMPLED: 04/15/88
DATE SAMPLE REC'D: 04/15/88
PROJECT: Ullman
29C5.8C

Enclosed with this letter is the report on the chemical and physical analyses on the samples from ANALYSIS NO: 810622-001 shown above.

EPA METHOD 418.1, Total Petroleum Hydrocarbons by Infared Spectroscopy.

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

Verbals were given April 18, 1988 at 4:05 p.m. to Mr. Walter Kitchin.

The Chain of Custody Record and the QA/QC data are enclosed with this report.

REVIEWED AND APPROVED

Chemical Research Laboratories, Inc.
SOUTHERN CALIFORNIA DIVISION
7440 Lincoln Way ● Garden Grove, CA 92641
(714)898-6370 ● FAX: (714)891-5917 ● (800)LAB-1CRL

LABORATORY REPORT

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Dr., Suite B
San Diego, CA 92117
ATTN: Walter V. Kitchin

ANALYSIS NO.: 810622-001
ANALYSES: EPA Method 418.1
DATE SAMPLED: 04/15/88
DATE SAMPLE REC'D: 04/15/88
DATE ANALYZED: 04/18/88
SAMPLE TYPE: Solid
PROJECT: Ullman
29C5.8C

Sample Identification	TOTAL RECOVERABLE PETROLEUM HYDROCARBONS EPA Method 418.1 (mg/kg)
WO B9-D19 Boring B-9	1.

Chemical Research Laboratories, Inc.
SOUTHERN CALIFORNIA DIVISION
7440 Lincoln Way • Garden Grove, CA 92641
(714)898-6370 • FAX: (714)891-5917 • (800)LAB-1CRL

QA/QC SUMMARY

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Dr., Suite B
San Diego, CA 92117
ATTN: Walter V. Kitchin

ANALYSIS NO.: 810622-001
ANALYSES: EPA Method 418.1
DATE SAMPLED: 04/15/88
DATE SAMPLE REC'D: 04/15/88
PROJECT: Ullman
29C5.8C

QA/QC SUMMARY

Date	Parameter(method)	Average Matrix Spike Recovery%	Acceptable Range%	Relative Percent Difference	Acceptable Range%
04/18/88	Total Recoverable Petroleum Fuel Hydrocarbons (EPA 418.1)	104	60-120	3	35

CHEMICAL RESEARCH LABORATORIES, INC.

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

- ORANGE COUNTY
- VENTURA
- SANTA MARIA
- BAKERSFIELD
- L.A. COUNTY
- MOBILE LAB

CHAIN OF CUSTODY RECORD

Date 15 APRIL 88 Page 1 of 1

CLIENT Applied Hydrogeologic C

ADDRESS 3052 CLAIREMONT DR. STE. B
SAN DIEGO CA 92117

PROJECT MANAGER WALTER V. KNITCHIN

PHONE NUMBER

PROJECT NAME ULLMAN 29C5.8C

SAMPLERS: (Signature)

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE WATER Comp.	SAMPLE TYPE WATER Grab.	SAMPLE TYPE AIR	SOLID	NO. OF CNTNRS	TESTS REQUIRED
WOB9-D19	BORING B-9	4/15	1330				Soil	1	418.1 TPH

Relinquished by: (Signature)

Received by: (Signature)

Date/Time 4-14-88 3:40

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by Mobile Laboratory for field analysis: (Signature)

Date/Time

CRL will store sample for 30 days at no charge. Storage after 30 days is charged at $10 per month per sample. Disposal of sample is charged at $10 per sample. Please indicate the disposition of your sample.

1. Client retrieved _____ by _____
2. Lab Disposal _____ by _____
3. Store for _____ days. by _____
4. Other _____ by _____

Dispatched by:(Signature)

Date/Time

Received for Laboratory by:

Date/Time 4/15/88 6PM

Method of Shipment:

I hereby authorize the performance of the above indicated work.

Special Instructions:
24 hr. Turn around,

SOURCE: Adapted from U.S. EPA, 1985

CCR-100

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

Appendix D
Chain of Custody

Analytical**Technologies,** Inc.
San Diego ● Phoenix ● Seattle

Chain of Custody

DATE 3/28 PAGE _____ OF _____

PROJ. MGR. _____
COMPANY ATI
ADDRESS _____
SAMPLERS (SIGNATURE) (PHONE NO.)

SAMPLE ID.	DATE	TIME	MATRIX	LAB ID.	BASE/NEU/ACID CMPDS. GC/MS/ 625/8270	VOLATILE CMPDS. GC/MS/ 624/8240	PESTICIDES/PCB 608/8080	POLYNUCLEAR AROMATIC 610/8310	PHENOLS, SUB PHENOLS 604/8040	HALOGENATED VOLATILES 601/8010	AROMATIC VOLATILES 602/8020	TOTAL ORGANIC CARBON 415/9060	TOTAL ORGANIC HALIDES 9020	PETROLEUM HYDROCARBONS 418			PRIORITY POLLUTANT METALS (13)	CAM METALS (18) TTLC/STLC	EP TOX METALS (8)	SWDA-INORGANICS PRIMARY/SECONDARY	HAZARDOUS WASTE PROFILE				NUMBER OF CONTAINERS
803127-1			soil	#1																					1
-2 (80345)			"	2																					1
-3			"	3																					1

ANALYSIS REQUEST

PROJECT INFORMATION	
PROJECT:	
PO NO.	
SHIPPING ID. NO.	
VIA:	

SAMPLE RECEIPT	
TOTAL NO. OF CONTAINERS	3
CHAIN OF CUSTODY SEALS	
REC'D GOOD CONDITION/COLD	
CONFORMS TO RECORD	
LAB NO.	

SPECIAL INSTRUCTIONS/COMMENTS:

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY
Marian VanDerhoof		
(Signature) (Time)	(Signature) (Time)	(Signature) (Time)
MARIAN VANDERHOOF		
(Printed Name) (Date) ATI 3/28	(Printed Name) (Date)	(Printed Name) (Date)
(Company) 2:00	(Company)	(Company)
RECEIVED BY 1.	**RECEIVED BY 2.**	**RECEIVED BY (LABORATORY) 3.**
(Signature) 2101 (Time)	(Signature) (Time)	(Signature) (Time)
WALTER V. KITCHIN		
(Printed Name) (Date) ATC 3/28	(Printed Name) (Date)	(Printed Name)
(Company)	(Company)	ANALYTICAL TECHNOLOGIES, INC.

ATI LABORATORIES: SAN DIEGO (619) 458-9141 PHOENIX (602) 438-1530

DISTRIBUTION: WHITE, CANARY - ANALYTICAL TECHNOLOGIES, INC. ● PINK - ORIGINATOR

APPLIED HYDROGEOLOGIC consultants

RECORD OF TRANSMITTAL DATE: 20 April 1988

To: David Felix Title:

Of: HMMD

Reference: Site Characterization Report

Ullman, 343 South Highway 101, Solana Beach, CA

Description: Inclosed you will fine revised pages for the above report. The revised report contains tables 3 and 4 only. Figure 3 has been replaced by 3A, 3B and 3C.

From: Walter V. Kitchin Title: Staff Geologist

Comments/Action: A new report has been issued to the RWQCB.

Reported 3/29/88

3052 Clairemont Drive, Suite B • San Diego, CA 92117 • (619) 275-6577

#4-13 Helen & Carmina

April 14, 1989

County of San Diego
Hazardous Materials Management Division
Marian Ruckoe
P.O. Box 85261
San Diego, California 92138

Dear Ms. Ruckoe,

We would like to get some information regarding underground fuel tanks on a piece of property in Solana Beach. The property is an old gasoline station and is located at the corner of Old Highway 101 and Dahlia ~~Street~~ Drive (see the enclosed map). We would like any test records you may have on this site and any other information regarding the underground fuel tanks and whether or not they have been tested, permitted, etc. and the results.

Please mail the information to: Stephanie Bidegain
10336 Viacha Drive
San Diego, CA 92124
(619) 278-6037

Thank you for your help.

Stephanie Bidegain
Stephanie Bidegain

5/2/89 actual address is: 343 S. Hwy. 101, Solana Beach. MRuckoe
5/5/89 Ready for review. MRuckoe
5/9/89 Will call back & make appt - HDennis
5/17/89 W/o in Tues 5/23 at 11 AM to review file - HDennis
5/23/89 Mr Bidegain here to review files - H Dennis

APPLIED HYDROGEOLOGIC consultants

RECORD OF TRANSMITTAL

DATE: April 11, 1988

To: David Felix Title:

Of: HMMD

Reference: Unauthorized Release - HMMD #TO914

Description: Site Clean-up Update Report.

From: Walter V. Kitchin Title: Staff Geologist

Comments/Action: cc: Scott Hugenberger, CRWQCB

Mr. and Mrs. Ullman, Property owner

3052 Clairemont Drive, Suite B • San Diego, CA 92117 • (619) 275-6577

APPLIED HYDROGEOLOGIC consultants

7 April 1988
(AHC 29C5.8C)

APR 11 11 20 AM '88

Mr. David Felix
San Diego County Department of Health Services
Hazardous Material Management Division
P.O. Box 85261
San Diego, CA. 92138-5261

Subject: Unauthorized Release - HMMD #T0914
Ullman, Solana Beach - Site Clean-up Update
343 South Highway 101 Solana Beach, CA.

Dear Mr. Felix:

At the request of Dr. Milton Ullman, Applied Hydrologic Consultants has completed the removal of subsurface contamination within and below the waste oil tank excavation at the above-mentioned site. The procedures of this removal and backup sampling with additional borings are presented in this report.

EXCAVATION OF CONTAMINATED SOILS

On 11 March 1988 the contaminated soils were excavated using a Watson 2000 drill rig with a four foot diameter auger. First a four foot diameter hole was augered straight down to 20 feet, removing the highest levels of contaminated soils. This was followed by a reaming process to open the diameter up to ten feet. The walls of the boring were visually inspected during this process to ensure that all of the contaminated soils were removed. The boring was belled at the bottom to remove materials that appeared contaminated from the side walls.

Backup samples for laboratory analysis were taken at this time. S-1 was from the bottom of the excavation at 20 feet depth. S-2 was from the north northwest side wall at about 19 feet deep. S-3 was from the southeast side wall at about 18½ feet deep. The boring was backfilled immediately with pea gravel for safety of the surrounding property and buildings.

MITIGATION EVALUATION

The drilling and reaming method mixes some of the soils. During the reaming process some of the contaminated materials from higher levels fall to the bottom of the boring. The augers do not have the ability to clean all of the loose material from the bottom of the boring, approximately four inches remained across the excavation bottom. Care was taken on-site to auger deeper than the known contamination (sample WO-20 boring log WO-B1 AHC site characterization report date 29 March 1988) of 120 ppm TPH at 19½ feet. The excavation was continued to 20 feet to remove these mixed materials and to insure that all contamination in the natural soils was removed.

3052 Clairemont Drive, Suite B • San Diego, CA 92117 • (619) 275-6577

Initial laboratory results (Table 1) show 1300 ppm total petroleum hydrocarbons in sample S-1, taken from the sloughed soils at the bottom of the hole. The volume of this soil is estimated at a maximum of one and a half cubic yards. For quality control purposes, this sample was rerun at a different laboratory.

The sample S-3 from the southeast side wall of the boring came back with seven ppm TPH. This is well below the 1000 ppm required. Sample S-2 from the north northwest side wall had a level of 7700 ppm TPH. After discussion with officials from the HMMD, additional borings adjacent to this sample location were placed. Also this sample was rechecked at a different laboratory for quality control purposes.

Additional Investigation

To check the area of sample S-2 boring B-7 and B-8 were drilled and sampled on 22 March 1988. Five samples were taken in the immediate area of sample S-2 in both borings. All of these samples were below two ppm TPH, see attached laboratory analysis, CRL # 808223-001/005 and Table 2.

Due to results from borings B-7 and B-8 samples S-1, S-2, and S-3 were retrieved from the laboratory for further analysis. Visual review of sample S-2 revealed some oil stained particles near the top of the sample jar. They were in the general vicinity of where the laboratory took their soil material from the jar for analysis. These oil stained areas were only in the top portion of the sample and appear to have skewed the sample concentration to the high side. Sample S-1 also appeared to be nonhomogeneous with respect to visual contamination. We feel that smearing from the large diameter auger took place during the clean-up.

Sample S-1 and S-2 were turned over and sent to CRL for analysis. The results are in CRL report # 808825-001/002 and Table 1. Even though the soil was contaminated with waste oil, the samples were kept in a chilled state during this entire turning process to guard against any losses of contamination. The results of this laboratory analysis showed Sample S-1 had 640 ppm TPH and S-2 had 1700 ppm TPH, both of these are significantly lower than the initial laboratory results.

Borings B-7 and B-8 show no contamination of any significance (less than 2 ppm TPH) directly adjacent to where sample S-2 was collected. Boring B-7 sample WOB7-D17½ was within three inches of the excavation boring side wall and was clean. Due to these observations it is the conclusion of Applied Hydrogeologic Consultants that no significant contamination remains beneath the site and that the problem has been adequately mitigated.

SUMMATION

1. 30 cu. yds. of contaminated soils were removed

2. A maximum of one and a half cu. yds. of lightly contaminated soil (640 ppm to 1300 ppm) remain in the bottom of the excavation.

3. The sidewall sample represents a very limited area of contamination at 1700 ppm TPH average. We expect this is less than ½ cubic yard of material.

Soil Disposal

The contaminated soils were transported to Casmalia for disposal. Manifest copies are provided in appendix D. Table 3 has laboratory results for transport of the contaminated soils.

CONCLUSIONS

Based on the above observations it is the conclusion of Applied Hydrogeologic Consultants that no significant contamination remains beneath the site.

The opportunity to prepare this report is greatly appreciated. Please feel free to call our office if you have any questions.

Sincerely,

Walter V. Kitchin, EIT
Staff Geologist

Bernard J. Luther, CEG 1356
President

TABLE 1

SOIL SAMPLES - AHC # 29C5.8C
Waste Oil Excavation Boring Samples
(Date Sampled: 03 March 1988)

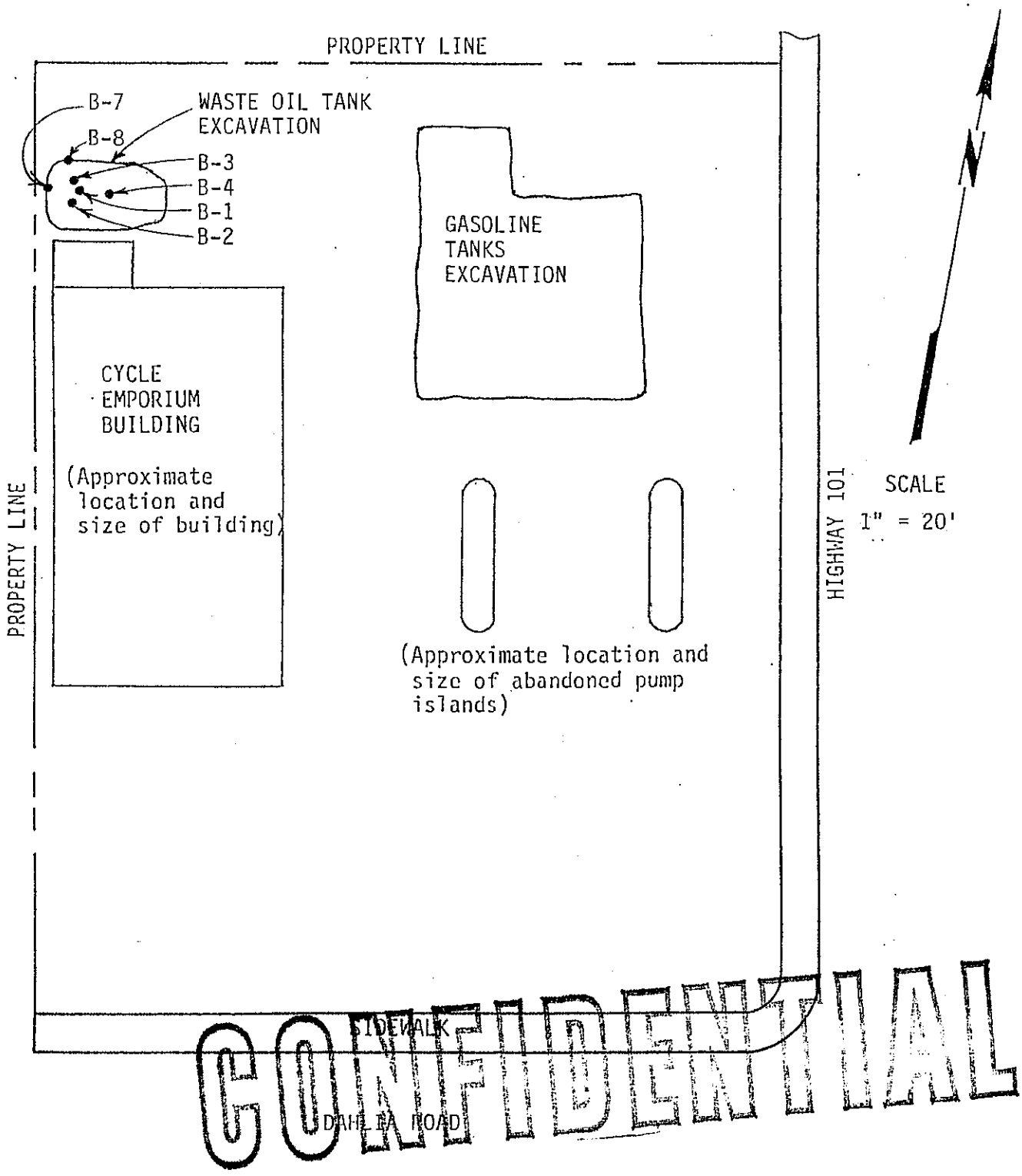
EPA METHOD 418.1
LABORATORY Analytical Technologies, Inc. (ATI)

SAMPLE NO.	DATE SAMPLED	ATI REPORT #	TPH
S#1	11 Mar.	803127	1,300 ppm
S#2	"	"	7,700 ppm
S#3	"	"	7 ppm
EPA METHOD	6010 CHROMIUM		
S#2	11 Mar.	803145	1.9 ppm
EPA METHOD	7421 LEAD		
S#2	11 Mar.	803145	6.2 ppm
EPA METHOD	8080 PCB		
S#2	11 Mar.	803145	ND(0.1) ppm

RERUN
EPA METHOD 418.1
LABORATORY Chemical Research Laboratories, Inc. (CRL)

		CRL REPORT #	
S-1	11 Mar.	808825	640 ppm
S-2	"	"	1,700 ppm

TPH - Total Petroleum Hydrocarbons
PPM - Parts per million
ND - indicates the compound was analyzed for but not detected at a concentration above the detection limit shown ( ).



APPLIED HYDROGEOLOGIC consultants
3052 Clairemont Drive, Suite H-10 • San Diego, CA 92117 • (619) 275 6577

Figure 1
Site Plan
Ullman Shell
343 South Highway 101

Project No.
AHC 29C5.8C

Appendix B
Boring Logs

BORING LOG

Date: 9 February 1988

Boring No. WO-B7

Project No. 29C5.8C

Depth Ft	Soil Clas Smbl	Sample No	Soil Description	Comments
2.0			Light reddish brown, damp, dense, hematite cemented, fine to medium sand (SW)	
4.0				
6.0				
8.0				
10.0			Gray, moist, medium dense, fine to medium sand (SW)	
12.0				
14.0		▲		- Sample WOB7-D15
16.0				
18.0		▲	BOTTOM OF BORING	- Sample WOB7-D17½
			Intersected excavation boring at 18 feet, pea gravel flowed into WOB7.	
20.0				

APPLIED HYDROGEOLOGIC consultants
3052 Clairemont Drive, Suite H-10 • San Diego, CA 92117 • (619) 275-6577

ULLMAN 29C5.8C
343 SOUTH HWY 101
SOLANA BEACH, CA

BORING LOG

Date: 9 February 1988

Boring No. WO-B8

Project No. 29C5.8C

Depth Ft	Soil Clas Smbl	Sample No	Soil Description	Comments
2.0			Light reddish brown, damp, dense, hematite cemented, fine to medium sand (SW)	
4.0				
6.0				
8.0				
10.0			Gray, moist, medium dense, fine to medium sand (SW)	
12.0				
14.0		▲		- Sample WOB8-D15
16.0			Gray black, moist, medium dense, micaceous, fine to medium sand (SW)	
18.0		▲		- Sample WOB8-D17
			White, moist, medium dense, fine to coarse sand (SW)	
20.0			BOTTOM OF BORING	- Sample WOB8-D20

APPLIED HYDROGEOLOGIC consultants
3052 Clairemont Drive, Suite H-10 • San Diego, CA 92117 • (619) 275-6577

ULLMAN 29C5.8C
343 SOUTH HWY 101
SOLANA BEACH, CA

Appendix C
Laboratory Results

Analytical**Technologies,** Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

ATI I.D. 803127

March 16, 1988

RECEIVED
MAR 18 1988
Ans'd.....

Applied Hydrogeologic Consultants
3052 Clairemont Drive Suite B
San Diego, California 92117

Project Name: Ullman-Shell

Project No.: 29C5.8C

Attention: Walter Kitchin

On March 14, 1988, Analytical Technologies, Inc. received three soil samples for analyses. The samples were analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. Please see the attached sheet for the sample cross reference.

The results, sample cross reference, and the quality control data are enclosed.

Marcilen Lindsey
Inorganics Supervisor

Richard M. Amano
Laboratory Manager

ML:tka

Analytical Technologies, Inc.

ATI I.D. 803127

ANALYTICAL SCHEDULE

CLIENT : APPLIED HYDROGEOLOGIC CONSULTANTS PROJECT NO.: 29C5.8C
PROJECT NAME : ULLMAN-SHELL

ANALYSIS	TECHNIQUE	REFERENCE/METHOD
PETROLEUM HYDROCARBONS	IR	EPA 418.1 (MODIFIED)

Analytical Technologies, Inc.

CLIENT : APPLIED HYDROGEOLOGIC CONSULTANTS DATE RECEIVED : 03/14/88
PROJECT # : 29C5.8C
PROJECT NAME : ULLMAN-SHELL REPORT DATE : 03/16/88
ATI I.D. : 803127

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	S#1	SOIL	03/11/88
02	S#2	SOIL	03/11/88
03	S#3	SOIL	03/11/88

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	3

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 803127

CLIENT : APPLIED HYDROGEOLOGIC CONSULTANTS
PROJECT # : 29C5.8C
PROJECT NAME : ULLMAN-SHELL

DATE RECEIVED : 03/14/88
REPORT DATE : 03/16/88

PARAMETER	UNITS	01	02	03
PETROLEUM HYDROCARBONS, IR	MG/KG	1300	7700	7

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : APPLIED HYDROGEOLOGIC CONSULTANTS
PROJECT # : 29C5.8C
PROJECT NAME : ULLMAN-SHELL ATI I.D. : 803127

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
PETROLEUM HYDROCARBONS	MG/KG	80312701	1300	1200	8	**	**	**

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

** Due to the necessary dilution of the sample, result was not attainable

Analytical **Technologies,** Inc.
San Diego ● Phoenix ● Seattle

803127

Chain of Custody

DATE 3/14/88 PAGE 1 OF 1

PROJ. MGR. WALTER KITCHIN
COMPANY Applied Hydrogeologic Cons
ADDRESS 3052 CLAIREMONT DR STE B
SAN DIEGO, CA 92117

SAMPLERS (SIGNATURE) (PHONE NO.) 275-6577

SAMPLE ID.	DATE	TIME	MATRIX	LAB ID.	BASE/NEU/ACID CMPDS. GC/MS/ 625/8270	VOLATILE CMPDS. GC/MS/ 624/8240	PESTICIDES/PCB 608/8080	POLYNUCLEAR AROMATIC 610/8310	PHENOLS, SUB PHENOLS 604/8040	HALOGENATED VOLATILES 601/8010	AROMATIC VOLATILES 602/8020	TOTAL ORGANIC CARBON 415/9060	TOTAL ORGANIC HALIDES 9020	PETROLEUM (waste oil) HYDROCARBONS 418			PRIORITY POLLUTANT METALS (13)	CAM METALS (18) TTLC/STLC	EP TOX METALS (8)	SWDA-INORGANICS PRIMARY/SECONDARY	HAZARDOUS WASTE PROFILE				NUMBER OF CONTAINERS
S #1	3/11/88	3:30	Soil											X											1
S #2	3/11/88	3:45	Soil											X											1
S #3	3/11/88	4:00	Soil											X											1

PROJECT INFORMATION	
PROJECT: KILLMAN-SHELL	
PO NO. 29C5.8C	
SHIPPING ID. NO.	
VIA:	

SAMPLE RECEIPT	
TOTAL NO. OF CONTAINERS	3
CHAIN OF CUSTODY SEALS	
REC'D GOOD CONDITION/COLD	
CONFORMS TO RECORD	
LAB NO.	

SPECIAL INSTRUCTIONS/COMMENTS:
Rush job; Sample with highest petroleum hydrocarbons will be tested for: lead, chromium, & PCBs. Call Walter first on this!

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY
(Signature) (Time) 4:31 pm	(Signature) (Time)	(Signature) (Time)
(Printed Name) (Date) 3/14/88	(Printed Name) (Date)	(Printed Name) (Date)
(Company) AHC	(Company)	(Company)
RECEIVED BY 1.	**RECEIVED BY 2.**	**RECEIVED BY (LABORATORY) 3.**
(Signature) MARIAN VAN DECKAR (Time) 4:31 pm	(Signature) (Time)	(Signature) (Time)
(Printed Name) ATI (Date) 3/14/88	(Printed Name) (Date)	(Printed Name)
(Company)	(Company)	ANALYTICAL TECHNOLOGIES, INC.

ATI LABORATORIES: SAN DIEGO (619) 458-9141 PHOENIX (602) 438-1530

DISTRIBUTION: WHITE, CANARY - ANALYTICAL TECHNOLOGIES, INC. ● PINK - ORIGINATOR

Chemical Research Laboratories, Inc.
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • (213) 598-0458

March 30, 1988

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Dr., Suite H-10
San Diego, CA 92117
ATTN: Mr. Walter Kitchin

ANALYSIS NO.: 808825-001/002
ANALYSES: EPA Method 418.1
DATE SAMPLED: 03/11/88
DATE SAMPLE REC'D: 03/28/88
PROJECT: Ullman 29C5,8C

Enclosed with this letter are the reported data from the chemical and physical analyses requested for the samples submitted. As required the samples were analyzed by the following test(s):

EPA METHOD 418.1, Total Petroleum Hydrocarbons by Infared Spectroscopy.

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

The Chain of Custody Record and the QA/QC data are enclosed with this report.

REVIEWED AND APPROVED

Chemical Research Laboratories, Inc.
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • (213) 598-0458

LABORATORY REPORT

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Dr., Suite H-10
San Diego, CA 92117
ATTN: Mr. Walter Kitchin

ANALYSIS NO.: 808825-001/002
ANALYSES: EPA Method 418.1
DATE SAMPLED: 03/11/88
DATE SAMPLE REC'D: 03/28/88
DATE ANALYZED: 03/29/88
SAMPLE TYPE: Solid
PROJECT: Ullman 29C5,8C

Sample Identification	TOTAL RECOVERABLE PETROLEUM HYDROCARBONS EPA Method 418.1 (mg/kg)
S-1	640.
S-2	1,700.

Chemical Research Laboratories, Inc.
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • (213) 598-0458

QA/QC SUMMARY

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Dr., Suite H-10
San Diego, CA 92117
ATTN: Mr. Walter Kitchin

ANALYSIS NO.: 808825-001/002
ANALYSES: EPA Method 418.1
DATE SAMPLED: 03/11/88
DATE SAMPLE REC'D: 03/28/88
PROJECT: Ullman 29C5,8C

QA/QC SUMMARY

Date	Parameter(method)	Average Matrix Spike Recovery%	Acceptable Range%	Relative Percent Difference	Acceptable Range%
03/29/88	Total Recoverable Petroleum Hydrocarbons (EPA 418.1)	103.	80-120.	0.	26.

CHEMICAL RESEARCH LABORATORIES, INC.

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

- ORANGE COUNTY
- VENTURA
- SANTA MARIA
- BAKERSFIELD
- L.A. COUNTY
- MOBILE LAB

CHAIN OF CUSTODY RECORD

Date 3/28/88 Page 1 of ____

CLIENT APPLIED HYDRO GEOLOGIC CONSULT

ADDRESS 3052 CLAIREMONT DR STE B
SAN DIEGO, CA. 92117

PROJECT MANAGER
WALTER KITCHEN

PHONE NUMBER
619 275 6577

PROJECT NAME
ULLMAN 29CS,8C

SAMPLERS: (Signature)

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE WATER Comp.	SAMPLE TYPE WATER Grab.	SAMPLE TYPE AIR	SOLID	NO. OF CNTNRS	TESTS REQUIRED
S-1	BOTTOM OF EXCA. BORING	3/11/88	3:30				Soil	1	418.1
S-2	NW SIDE EXCA. BORING	3/11/88	3:45				Soil	1	418.1

Relinquished by: (Signature)

Received by: (Signature)

Relinquished by: (Signature)

Received by: (Signature)

Relinquished by: (Signature)

Received by Mobile Laboratory for field analysis: (Signature)

CRL will store sample for 30 days at no charge. Storage after 30 days is charged at $10 per month per sample. Disposal of sample is charged at $10 per sample. Please indicate the disposition of your sample.

1. Client retrieved _____ by _____
2. Lab Disposal _____ by _____
3. Store for _____ days. by _____
4. Other _____ by _____

Date/Time 3/28/88 3:15 P.M.

Date/Time

Date/Time

Dispatched by:(Signature)

Date/Time

Received for Laboratory by:

Date/Time 3/28/88 5:45 PM

Method of Shipment:

I hereby authorize the performance of the above indicated work.

Special Instructions:
24 hr. RUSH

Susie called Walter.

SOURCE: Adapted from U.S. EPA, 1985

CCR-100

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

Chemical Research Laboratories, Inc.
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • (213) 598-0458

March 25, 1988

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Dr., Suite B
San Diego, CA 92117
ATTN: Walter Kitchin

ANALYSIS NO.: 808223-001/005
ANALYSES: EPA Method 418.1
DATE SAMPLED: 03/22/88
DATE SAMPLE REC'D: 03/22/88
PROJECT: Ullman 29C5.8C

Enclosed with this letter are the reported data from the chemical and physical analyses requested for the samples submitted. As required the samples were analyzed by the following test(s):

EPA METHOD 418.1, Total Petroleum Hydrocarbons by Infared Spectroscopy.

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

On March 23, 1988 at 3:55 verbals were given to Mr. Walter Kitchin.

The Chain of Custody Record and the QA/QC data are enclosed with this report.

REVIEWED AND APPROVED

Chemical Research Laboratories, Inc.
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • (213) 598-0458

LABORATORY REPORT

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Dr., Suite B
San Diego, CA 92117
ATTN: Walter Kitchin

ANALYSIS NO.: 808223-001/005
ANALYSES: EPA Method 418.1
DATE SAMPLED: 03/22/88
DATE SAMPLE REC'D: 03/22/88
DATE ANALYZED: 03/23/88
SAMPLE TYPE: Solid
PROJECT: Ullman 29C5.8C

Sample Identification	TOTAL RECOVERABLE PETROLEUM HYDROCARBONS EPA Method 418.1 (mg/kg)
WOB7 D15	1.
WOB7 D17 1/2	1.
WOB8 D15	1.
WOB8 D17 1/2	1.
WOB8 D20	1.

Chemical Research Laboratories, Inc.
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • (213) 598-0458

QA/QC SUMMARY

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Dr., Suite B
San Diego, CA 92117
ATTN: Walter Kitchin

ANALYSIS NO.: 808223-001/005
ANALYSES: EPA Method 418.1
DATE SAMPLED: 03/22/88
DATE SAMPLE REC'D: 03/22/88
PROJECT: Ullman 29C5.8C

QA/QC SUMMARY

Date	Parameter(method)	Average Matrix Spike Recovery%	Acceptable Range%	Relative Percent Difference	Acceptable Range%
03/23/88	Total Recoverable Petroleum Hydrocarbons (EPA 418.1)	99	81-123	2	13

CHEMICAL RESEARCH LABORATORIES, INC.

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

- ORANGE COUNTY
- VENTURA
- SANTA MARIA
- BAKERSFIELD
- L.A. COUNTY
- MOBILE LAB

CHAIN OF CUSTODY RECORD

Date 22 MARCH 88 Page 1 of 1

CLIENT: APPLIED HYDROGEOLOGIC CONSUL
ADDRESS: 3052 CLAIREMONT DR SUITE B
SAN DIEGO CA 92117

PROJECT MANAGER: WALTER KITCHEN
PHONE NUMBER: 275-6577

PROJECT NAME: ULLMAN 29C5, 8C
SAMPLERS: (Signature)

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE: WATER Comp.	WATER Grab.	AIR	SOLID	NO. OF CNTNRS	TESTS REQUIRED
WOB7D15	WASTE OIL TANK BOEING	3/22	0930				SOIL	1	418.1
WOB7D17½	"	3/22	0950				SOIL	1	"
WOB8D15	"	3/22	1045				SOIL	1	"
WOB8D17½	"	3/22	1100				SOIL	1	"
WOB8D20	"	3/22	1330				SOIL	1	"

Relinquished by: (Signature) — Received by: (Signature) — Date/Time: 3/22/88 3:07 P.M

Relinquished by: (Signature) — Received by: (Signature) — Date/Time:

Relinquished by: (Signature) — Received by Mobile Laboratory for field analysis: (Signature) — Date/Time:

CRL will store sample for 30 days at no charge. Storage after 30 days is charged at $10 per month per sample. Disposal of sample is charged at $10 per sample. Please indicate the disposition of your sample.

1. Client retrieved _____ by _____
2. Lab Disposal _____ by _____
3. Store for _____ days. by _____
4. Other _____ by _____

Dispatched by:(Signature) — Date/Time — Received for Laboratory by: Ron Bowling — Date/Time: 3/22/88 5:55 PM

Method of Shipment:

I hereby authorize the performance of the above indicated work.

Special Instructions:
24 hr. RUSH

SOURCE: Adapted from U.S. EPA, 1985

CCR-100

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

Analytical**Technologies,** Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

ATI I.D. 803145

March 25, 1988

Applied Hydrogeologic Consultants
3052 Clairemont Drive, Suite B
San Diego, California 92117

RECEIVED
MAR 2 8 1988
Ans'd.....

Project No.: 29C5.8C

Project Name: Ullman-Shell

Attention: Walter Kitchin

On March 14, 1988, Analytical Technologies, Inc. received a request to analyze one soil sample which was previously accessioned ATI I.D. 803127. The sample was analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. Please see the attached sheet for the sample cross reference.

The results, sample cross reference, and the quality control data are enclosed.

Marcilen Lindsey
Inorganics Supervisor

Richard M. Amano
Laboratory Manager

ML:mag

Analytical Technologies, Inc.

ATI I.D. 803145

ANALYTICAL SCHEDULE

CLIENT: APPLIED HYDROGEOLOGIC CONSULTANTS PROJECT NO.: 29C5.8C
PROJECT NAME: ULLMAN-SHELL

ANALYSIS	TECHNIQUE	REFERENCE/METHOD
CHROMIUM	ICAP	EPA 6010
LEAD	AA/GF	EPA 7421
POLYCHLORINATED BIPHENYLS	GC/ECD	EPA 8080

Analytical Technologies, Inc.

CLIENT : APPLIED HYDROGEOLOGIC CONSULTANTS DATE RECEIVED : 03/14/88
PROJECT # : 29C5.8C
PROJECT NAME : ULLMAN-SHELL REPORT DATE : 03/25/88
ATI I.D. : 803145

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	S#2 803127-02	SOIL	03/11/88

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	1

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

METALS RESULTS

ATI I.D. : 803145

CLIENT : APPLIED HYDROGEOLOGIC CONSULTANTS
PROJECT # : 29C5.8C
PROJECT NAME : ULLMAN-SHELL

DATE RECEIVED : 03/14/88
REPORT DATE : 03/25/88

PARAMETER	UNITS	01
CHROMIUM	MG/KG	1.9
LEAD	MG/KG	6.2

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

CLIENT : APPLIED HYDROGEOLOGIC CONSULTANTS
PROJECT # : 29C5.8C
PROJECT NAME : ULLMAN-SHELL ATI I.D. : 803145

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
CHROMIUM	MG/KG	80315513	12.3	12.1	2	34.1	23.9	92
LEAD	MG/KG	80315510	46.4	41.1	11	108	49.9	128

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80314501

TEST : POLYCHLORINATED BIPHENYLS (EPA METHOD 8080)

CLIENT	: APPLIED HYDROGEOLOGIC CONSULTANTS	DATE SAMPLED	: 03/11/88
PROJECT #	: 29C5.8C	DATE RECEIVED	: 03/14/88
PROJECT NAME	: ULLMAN-SHELL	DATE EXTRACTED	: 03/16/88
CLIENT I.D.	: S#2 803127-02	DATE ANALYZED	: 03/18/88
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
AROCLOR 1016	<0.1
AROCLOR 1221	<0.1
AROCLOR 1232	<0.1
AROCLOR 1242	<0.1
AROCLOR 1248	<0.1
AROCLOR 1254	<0.1
AROCLOR 1260	<0.1

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : POLYCHLORINATED BIPHENYLS (EPA METHOD 8080)

CLIENT	: APPLIED HYDROGEOLOGIC CONSULTANTS	ATI I.D.	: 803145
PROJECT #	: 29C5.8C	DATE EXTRACTED	: 03/16/88
PROJECT NAME	: ULLMAN-SHELL	DATE ANALYZED	: 03/18/88
CLIENT I.D.	: REAGENT BLANK	UNITS	: MG/KG
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
AROCLOR 1016	<0.1
AROCLOR 1221	<0.1
AROCLOR 1232	<0.1
AROCLOR 1242	<0.1
AROCLOR 1248	<0.1
AROCLOR 1254	<0.1
AROCLOR 1260	<0.1

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 803145

TEST : POLYCHLORINATED BIPHENYLS (EPA METHOD 8080)

CLIENT : APPLIED HYDROGEOLOGIC CONSULTANTS
PROJECT # : 29C5.8C
PROJECT NAME : ULLMAN-SHELL

REF. I.D. : 80314302
DATE ANALYZED : 03/20/88
SAMPLE MATRIX : SLUDGE
UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
AROCLOR 1260	<0.05	10	12	120	13	130	8

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Chemical Research Laboratories, Inc.
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • (213) 598-0458

March 21, 1988

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Dr., Ste. B
San Diego, CA 92117
ATTN: Walter Kitchin

ANALYSIS NO.: 807719-001
ANALYSES: EPA Method 1010, DOHS
DATE SAMPLED: 3/17/88
DATE SAMPLE REC'D: 3/17/88
PROJECT: Ullman 29C 5.8C

Enclosed with this letter are the reported data from the chemical and physical analyses requested for the samples submitted. As required the samples were analyzed by the following test (s):

EPA Method 1010, Flash Point utilizing Pensky-Martens closed cup apparatus.

DOHS Method for Organic Lead, extracted with MIBK and analyzed by AA.

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

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

The Chain of Custody Record and the QA/QC data are enclosed with this report.

REVIEWED AND APPROVED

Chemical Research Laboratories, Inc.
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • (213) 598-0458

LABORATORY REPORT

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Dr., Ste. B
San Diego, CA 92117
ATTN: Walter Kitchin

ANALYSIS NO.: 807719-001
ANALYSES: EPA Method 1010, DOHS
DATE SAMPLED: 3/17/88
DATE SAMPLE REC'D: 3/17/88
DATE ANALYZED: 3/18/88
SAMPLE TYPE: Solid
PROJECT: Ullman 29C 5.8C

SAMPLE IDENTIFICATION	FLASH POINT EPA METHOD 1010 (degree F)	ORGANIC LEAD DOHS (mg/kg)
Comp. Exp. (Composite from Piles)	None up to 200	0.92

Chemical Research Laboratories, Inc.
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • (213) 598-0456

QA/QC SUMMARY

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Dr., Ste. B
San Diego, CA 92117
ATTN: Walter Kitchin

ANALYSIS NO.: 807719-001
ANALYSES: EPA Method 1010, DOHS
DATE SAMPLED: 3/17/88
DATE SAMPLE REC'D: 3/17/88
PROJECT: Ullman 29C 5.8C

QA/QC SUMMARY

Date	Parameter(method)	Average Matrix Spike Recovery	Acceptable Range	Relative Percent Difference	Acceptable Range
3/18/88	Organic Lead (DOHS)	101	31-123	2	43

CHEMICAL RESEARCH LABORATORIES, INC.

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

- ORANGE COUNTY
- VENTURA
- SANTA MARIA
- BAKERSFIELD
- L.A. COUNTY
- MOBILE LAB

CHAIN OF CUSTODY RECORD

Date 3/17/88 Page 1 of 1

CLIENT APPLIED HYDROGEOLOGIC CONSULTANTS

ADDRESS 3052 CLAIREMONT DR. STE B
SAN DIEGO CA 92117

PROJECT MANAGER
WALTER KITCHIN

PHONE NUMBER
275-6577

PROJECT NAME
ULLMAN 29C5.8C

SAMPLERS: (Signature)

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE WATER Comp.	SAMPLE TYPE WATER Grab.	SAMPLE TYPE AIR	SOLID	NO. OF CNTNRS	TESTS REQUIRED
COMP EXP	COMPOSITE FROM PILES	3/17/88	1430				Soil	1	FLASH PT.; ~~C.F.~~ Org-Pest; Pest;

Relinquished by: (Signature) — Received by: (Signature) — Date/Time 3/17/88 5:30

Relinquished by: (Signature) — Received by: (Signature) — Date/Time

Relinquished by: (Signature) — Received by Mobile Laboratory for field analysis: (Signature) — Date/Time

CRL will store sample for 30 days at no charge. Storage after 30 days is charged at $10 per month per sample. Disposal of sample is charged at $10 per sample. Please indicate the disposition of your sample.

1. Client retrieved _____ by _____
2. Lab Disposal _____ by _____
3. Store for _____ days, by _____
4. Other _____ by _____

Dispatched by:(Signature) — Date/Time — Received for Laboratory by: — Date/Time 3/17/88 9:40p

Method of Shipment:

I hereby authorize the performance of the above indicated work.

Special Instructions:
24 hrs.

* Cr won't be analyzed on telecon w/ WALTER KITCHIN 3/17/88 3:45 PM - DH

SOURCE: Adapted from U.S. EPA, 1985

CCR-100

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

Appendix D
Waste Manifest

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite h typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAC000064133 | Manifest Document No. 88201 | 2. Page 1 of 6 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DR. ULIMAN
4786 MT HELIX DR. LA MESA, CA 92041

4. Generator's Phone (619) 275-6577

A. State Manifest Document Number: 87432210
B. State Generator's ID: CAC000064133
C. State Transporter's ID: 0842-80956
D. Transporter's Phone: (619) 398-5651
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: CAD020748125
H. Facility's Phone: (805) 937-8449

5. Transporter 1 Company Name: DICK'S ENVIRO WRIGHT BROS. | 6. US EPA ID Number: CAD981167572
7. Transporter 2 Company Name | 8. US EPA ID Number
9. Designated Facility Name and Site Address: CASMALIA RESOURCES, NTU ROAD CASMALIA, CA 93429 | 10. US EPA ID Number: CAD020748125

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. HAZARDOUS, WASTE, SOLID NOS ORM-E NA9189	002	DT	00015	Y	State 611 / EPA/Other 0001
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
A. SOIL THAT IS CONTAMINATED WITH PETROLEUM HYDROCARBONS. SEE ATTACHED ANALYSIS

K. Handling Codes for Wastes Listed Above
a. T1 | b.
c. | d.

15. Special Handling Instructions and Additional Information
GLOVES RESPORATOR WITH ORGANIC VAPOR

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
WALTER V KITCHIN		032288

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Tom Tobes		032288

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

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

GENERATOR

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

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

YELLOW: GENERATOR RETAINS

INSTRUCTIONS ON THE BACK

APPLIED HYDROGEOLOGIC consultants

SITE CHARACTERIZATION STUDY

Unauthorized Release
HMMD # T0914

of

ULLMAN, SOLANA BEACH

343 South Highway 101

Solana Beach, California

for

JUNE AND MILTON ULLMAN

4786 Mt. Helix Drive

La Mesa, California 92041

88 APR 11 AM 9 06

by

APPLIED HYDROGEOLOGIC CONSULTANTS

March 29, 1988

Project Number 29C5.8C

3052 Clairemont Drive, Suite B • San Diego, CA 92117 • (619) 275-6577

INTRODUCTION

At the request of Dr. Milton Ullman, Applied Hydrologic Consultants has conducted a subsurface petroleum hydrocarbon contamination study at 343 South Highway 101 Solana Beach, CA. The property is the sight of an abandoned service station and may be further described as:

1. San Diego County APN# 298-052-14

2. San Diego County Department of Health Services Unauthorized Release - HMMD #T0914

This site characterization study will treat the underground gasoline tank area and the waste oil tank area as two separate issues.

INVESTIGATION

Background

Four underground petroleum storage tanks where removed from this site on 9 February 1988. Two 8,000 gallon tanks and one 12,000 gallon tank had been for gasoline. One approximately 500 gallon tank was used for waste oil. We were told this service station had been in operation from 1963 through 1969. The site is now used for a bicycle sales and repair shop.

Field Work

Gasoline Tank Area

During the tank pull a HMMD representative noted gasoline odor from the gasoline tank area, although there were no holes in the removed storage tanks. Due to his concern, OVM measurements were taken at selected locations in the bottom of the excavation (shown in figure 2). As a backup, on 9 February 1988, composite samples were taken from the bottom of the tank excavation and from the soil piles which contained the materials excavated. These samples were sent to Chemical Research Laboratories, Inc. (CRL) for petroleum hydrocarbon analysis. The results of these analyses are presented in Table 3.

Waste Oil Tank Area

The waste oil tank was rusted and contained visible holes. Soil discoloration was noted at the west end of the waste oil tank excavation. To determine the extent of this contamination a series of samples were collected from hand augered borings.

Borings starting in the bottom of the waste oil tank excavation penetrated downward and outward at 45° angles. Samples were taken from these borings at selected intervals. Boring logs and lab results are in the appendices.

Samples of soil recovered from the exploratory borings were screened on site with a portable organic vapor meter (OVM Bacharach Sniffer 503), no vapors where detected. This indicates no volatile organic compounds were present. Representative samples were transported in chilled, teflon sealed glass jars to Chemical Research Laboratories, Inc. for analysis. The results of these analysis are presented in Table 4. From this sampling the extent of the contamination was defined.

RESULTS OF FIELD WORK

GEOLOGY

Natural deposits beneath this site consist of a hematite cemented sandstone. This deposit has been identified in the Bureau of Mines and Geology Bulletin 200 as the Bay Point Formation. The Bay Point Formation is eight to nine feet thick in this area. A loosely consolidated medium sand, similar to beach sand, underlies the Bay Point Formation. This sand continues to a depth of 18 feet. Most of the contaminated soil was found between 8 and 18 feet below the ground surface. Underlying 18 feet is a clean white medium to coarse sand with no visible contamination.

The site is located within the San Dieguito Hydrographic Subunit.

SAMPLES

Gasoline Tank Area

Soil samples taken from the excavation and the excavated soil material had no detectable contamination (Table 3). The gasoline tank excavation was backfilled. The excavated soils and imported soils were compacted into the excavation in accordance with county grading specifications.

Waste Oil Tank Area

All soil samples from the waste oil tank excavation and borings have some level of contamination. The significance of these results will be discussed in the plume extent section of this report.

Polychlorinated biphenyls (PCB) were found in sample BE-1 which was taken directly against the west end of the waste oil tank at the bottom of the excavation. As a backup, composite soil sample COMP-DSP was taken from material which was excavated from the immediate area of sample BE-1, and was found free of PCB. Sample BE-1 was the only sample out of 3 that PCB was detected in.

PLUME EXTENT

The contamination beneath the site is confined to the unsaturated zone and is approximately eight to ten feet in diameter and to a

depth of 18 feet. The favorable hydraulic properties of the soil limited horizontal spreading and created a cylindrical shape to the plume. Our estimate of the volume of contaminated soil is 32 cubic yards.

The plume shape was determined by drilling exploratory borings, sampling and having laboratory sample analyses performed. Boring B-1 showed concentrations starting at 27,000 parts per million (ppm) total petroleum hydrocarbons (TPH) (sample WOB-D10) at a depth of eight feet below the surface of the ground, progressing to 39,000 ppm TPH (sample WO-D17) at 17 feet below the surface of the ground. The final sample (sample WO-D20) taken at 19½ feet from boring B-1 had a concentration of 120 ppm total petroleum hydrocarbons. This boring was drilled directly through the center of the plume and has located the plume bottom.

The lateral extent of the plume was checked by 3 other borings with samples, WOPL-D8, WONW-D8, and WOST-D9. In boring B-2 at a depth of 14 feet and six feet from the center of B-1 in a westerly direction approximately at the property line, the TPH was 19 ppm, sample WOPL-D8. Sample WOST-D9 was taken from boring B-4 at a depth of 9½ feet, the TPH was 22 ppm. This defined the easterly edge of the plume (see figures 3A, 3B, and 3C).

SITE MITIGATION

Soil Excavation Plan

The soil materials present in the subsurface below 9 feet are loosely consolidated and subject to caving. Normal means of excavation by backhoe to 20 feet would require expensive shoring to protect adjacent property, buildings and provide personnel safety. Also limited excess to the area to be excavated is a problem. Our recommended method of clean-up is to use a six foot diameter auger drill rig for soil excavation. This drill rig can get into the limited space and round holes do not present the caving problems that the large flat faces exposed in rectangular excavations do. This plume is approximately round in shape with little lateral migration in the unsaturated zone. This will allow an optimum amount of contamination to be recovered with our boring program.

Soil Disposal

Soils contaminated with petroleum hydrocarbons will be disposed of at an appropriate hazardous waste land fill site. This soil will be tested and manifested for transportation and disposal.

The opportunity to prepare this report is greatly appreciated. Please feel free to call our office if you have any questions.

Sincerely,

Walter V. Kitchin, EIT
Staff Geologist

Bernard J. Luther, CEG 1356
President

TABLE 3

SOIL SAMPLES - AHC # 29C5.8C
Gasoline Tank Area
(Date Sampled: 09 February 1988)

EPA METHOD 8015
LABORATORY Chemical Research Laboratory, Inc. (CRL)

SAMPLE NO.	DATE SAMPLED	CRL REPORT #	TPH
BE-432	9 Feb.	804120	ND(1.0) ppm
ES-COMP	"	"	ND(1.0) ppm

TPH - Total Petroleum Hydrocarbons
PPM - Parts per million
ND - indicates the compound was analyzed for but not detected at a concentration above the detection limit shown ( ).

TABLE 4

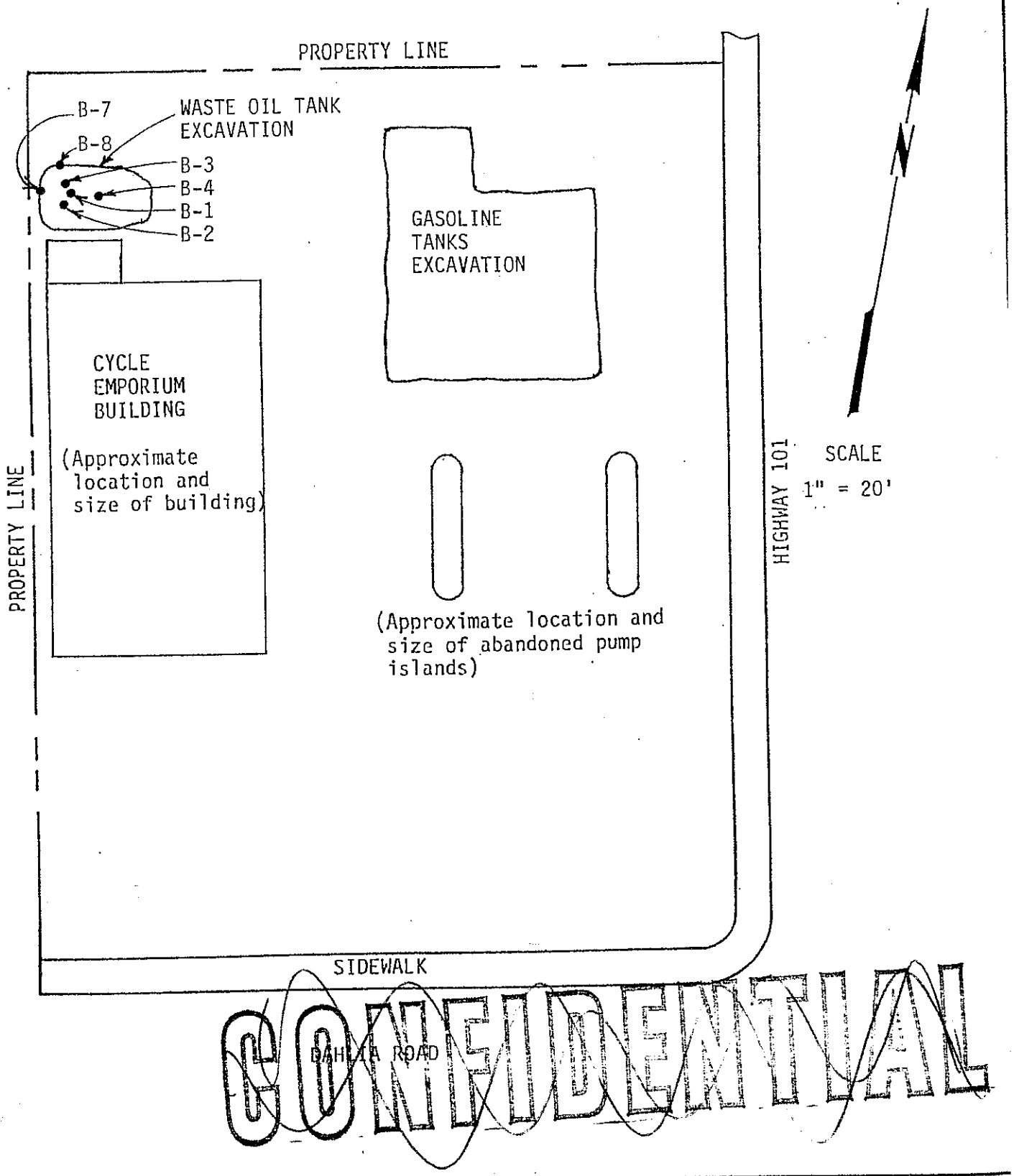
SOIL SAMPLES - AHC # 29C5.8C
Waste Oil Tank Area
(Date Sampled: 09-29 February 1988)

EPA METHOD 418.1
LABORATORY Chemical Research Laboratory, Inc. (CRL)

SAMPLE NO.	DATE SAMPLED	CRL REPORT #	TPH
BE-1	9 Feb.	804120	26,000 ppm
WOB-D10	24 Feb.	805627	27,000 ppm
WO-D12	"	"	25,000 ppm
COMP-DSP	"	"	20,000 ppm
COMP-BF3	"	"	77 ppm
WO-D17	29 Feb.	806019	39,000 ppm
WO-D20	"	"	120 ppm
WOST-D9	"	"	22 ppm
WOPL-D8	"	"	19 ppm

TPH - Total Petroleum Hydrocarbons
PPM - Parts per million
ND - indicates the compound was analyzed for but not detected at a concentration above the detection limit shown ( ).

Appendix A
Site Plan



APPLIED HYDROGEOLOGIC consultants
3052 Clairemont Drive, Suite H-10 • San Diego, CA 92117 • (619) 275 6577

Figure 1
Site Plan
Ullman Shell
343 South Highway 101

Project No.
AHC 29C5.8C

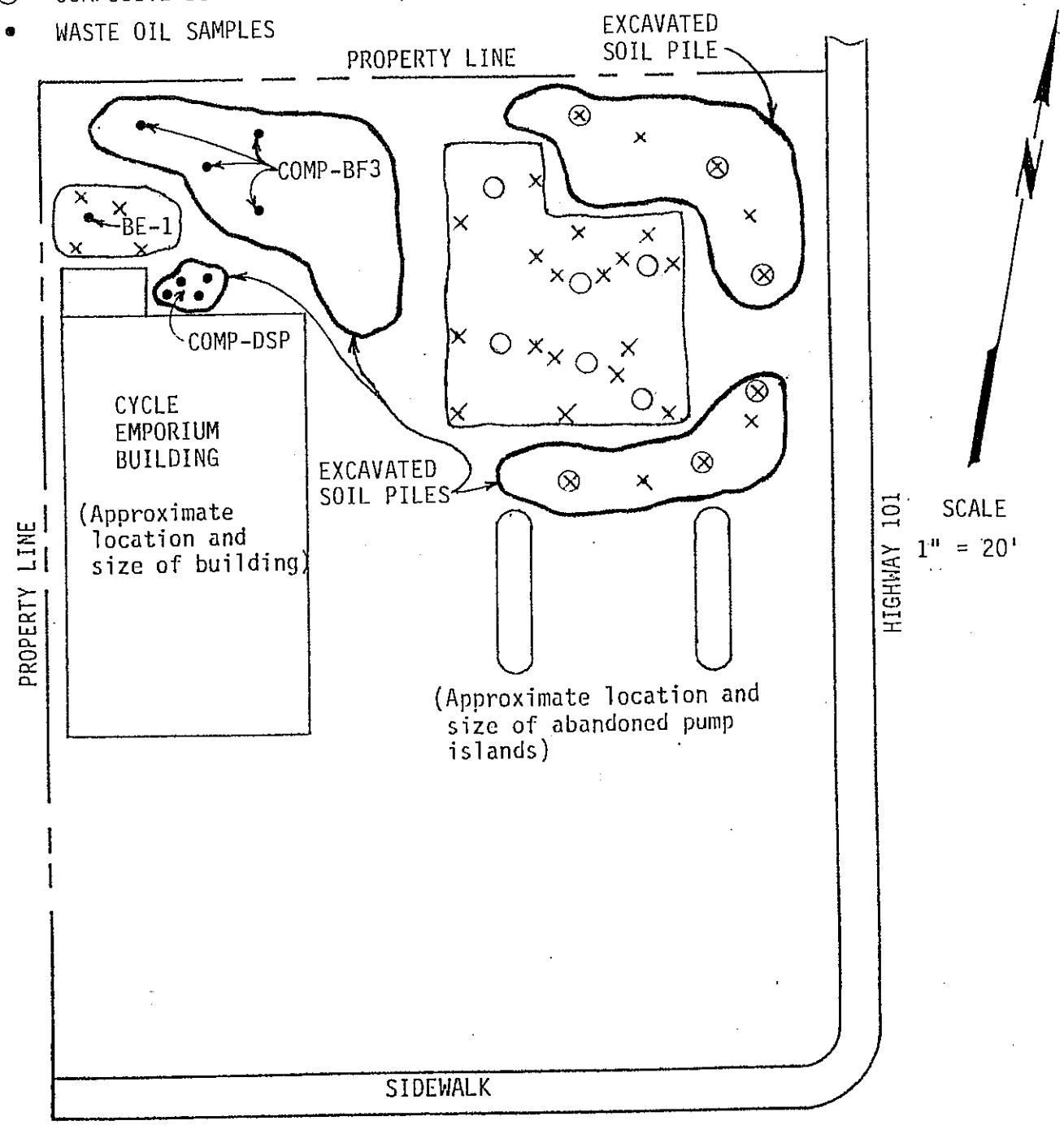
X OVM SCREENING

⊗ COMPOSITE EXCAVATED MATERIAL (ES-COMP)

○ COMPOSITE BOTTOM MATERIAL (BE-432)

• WASTE OIL SAMPLES

NOTE: WASTE OIL TANK BORINGS ARE NOT SHOWN.

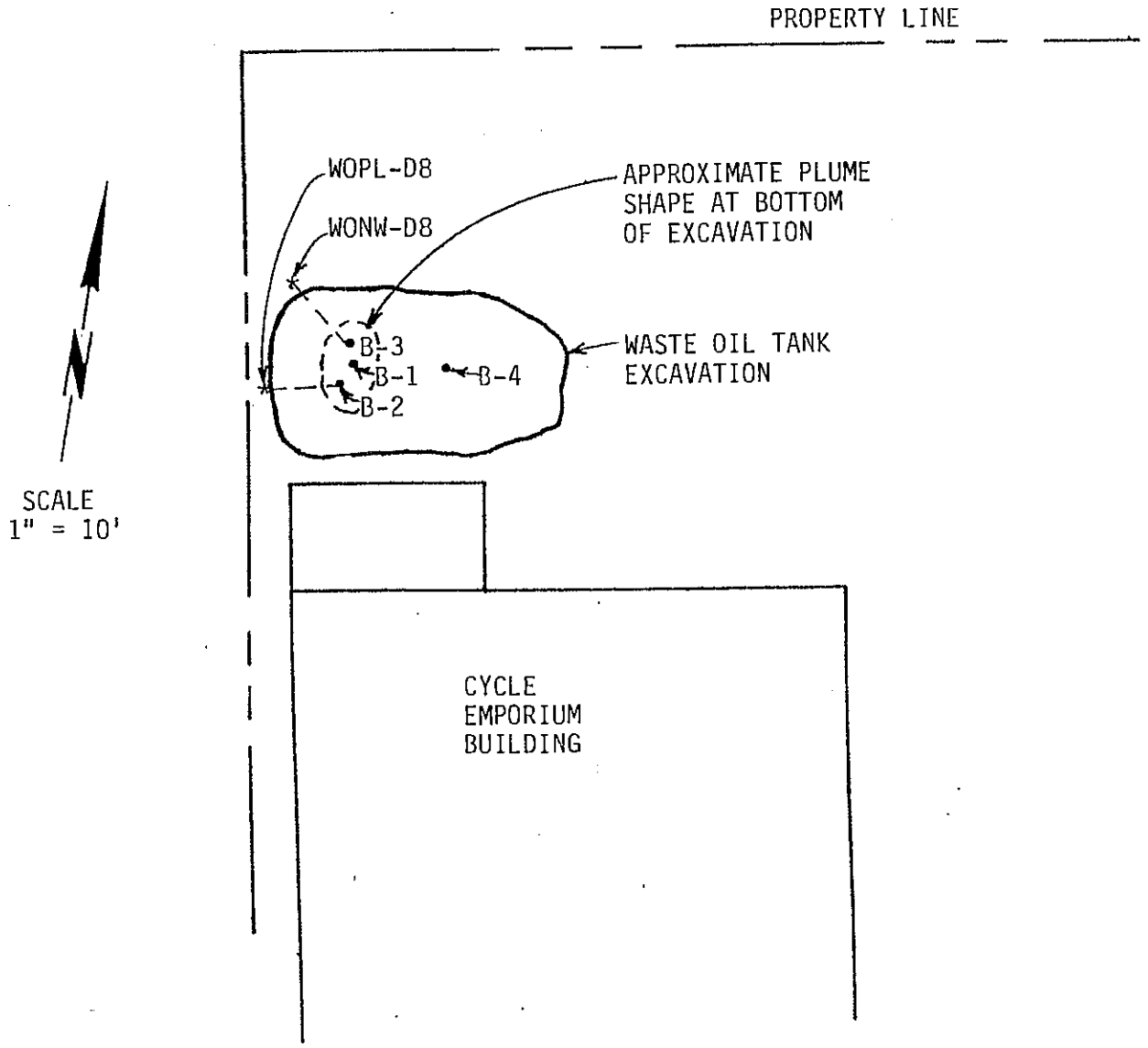


CONFIDENTIAL

APPLIED HYDROGEOLOGIC consultants
3052 Clairemont Drive, Suite H-10 • San Diego, CA 92117 • (619) 275 6577

Figure 2
OVM and Sample Locations
Ullman Shell
343 South Highway 101

Project No.
AHC 29C5.8C

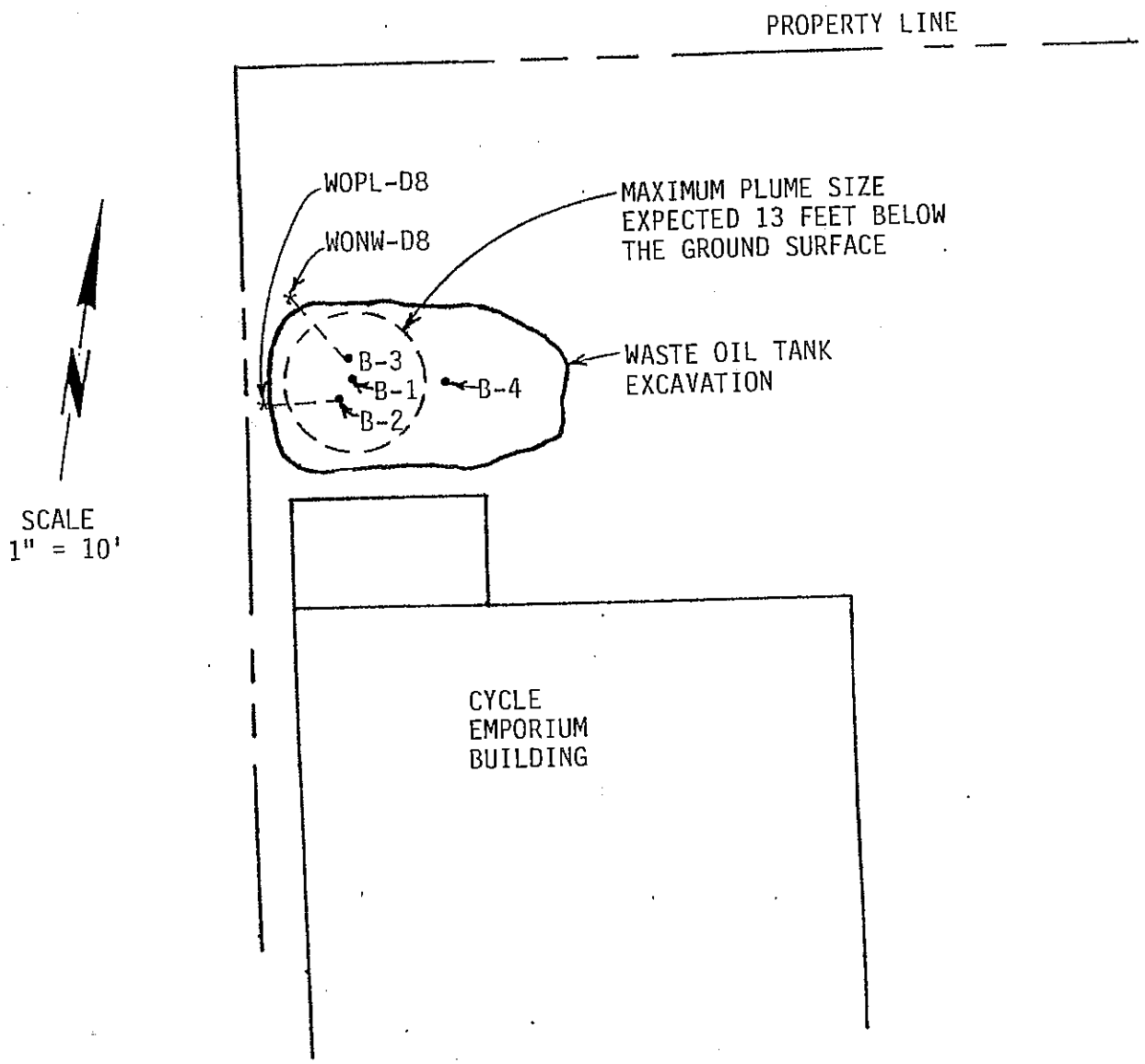


NOTE: PLUME SHAPE DEVELOPED FROM FIELD OBSERVATIONS

APPLIED HYDROGEOLOGIC consultants
3052 Clairemont Drive, Suite H-10 • San Diego, CA 92117 • (619) 275 0577

Figure 3A
Waste Oil Plume
Ullman Shell
343 South Highway 101

Project No.
AHC 29C5.8C



NOTE: PLUME SHAPE AND SIZE DEVELOPED FROM BORING LOG DATA AND FIELD OBSERVATIONS (BORINGS B-2, B-3 AND B-4).

APPLIED HYDROGEOLOGIC consultants
3052 Clairemont Drive, Suite H-10 • San Diego, CA 92117 • (619) 275 6577

Figure 3B
Waste Oil Plume
Ullman Shell
343 South Highway 101

Project No.
AHC 29C5.8C

Appendix B
Boring Logs

BORING LOG

Date 29 February 1988

Boring No. WO-B1

Project No. 29C5.8C

Depth Ft	Soil Clas Smbl	Sample No	Soil Description	Comments
2.0			Light reddish brown, fine to coarse sand. (SW) (Fill) (Waste oil tank backfill material consisting of a mixture of the surrounding natural materials).	Top of tank.
4.0				
6.0				7 ft. bottom of tank
8.0				8½' bottom of excavation
10.0		A	Gray, moist, medium dense, fine to medium sand (SW)	-Sample WOB-D10 27,000 sand visually contaminated with oil
12.0		A		- Sample WO-D12 25,000
14.0		A		- Sample WO-D14
16.0		A		- Sample WO-D17 39,000
18.0		A	White loose medium to coarse sand.	No indication of oil
20.0			BOTTOM OF BORING 19.5 FT.	- Sample WO-D20 120 ppm

CONFIDENTIAL

APPLIED HYDROGEOLOGIC consultants
3052 Clairemont Drive, Suite H-10 • San Diego, CA 92117 • (619) 275-6577

ULLMAN 29C5.8C
343 South Hwy. 101
Solana Beach, CA

BORING LOG

Date 29 February 1988

Boring No. WO-B2

Project No. 29C5.8C

Depth Ft.	Soil Clas Smbl	Sample No	Soil Description	Comments
			STARTS AT A DEPTH OF 8 FEET AND PROCEEDS DOWNWARD AT 45° IN A WESTERLY DIRECTION, RECORDED DEPTHS ARE DISTANCE ALONG THE 45° BORING.	
1.0			Gray, moist, medium dense, fine to medium sand (SW)	Oil staining present
2.0				Oil stain decreasing
3.0				
4.0				
5.0				
6.0			Light gray, moist, medium dense, fine to medium sand (SW)	
7.0				
8.0				No visual detection of oil.
9.0		A	BOTTOM of BORING 9 FEET	-Sample WOPL-D8
			NOTE: Due to the angle, the bottom of this boring is ≈14½ feet below the ground surface and 6½ feet from WO-B1 (center of the plume).	
10.0				

APPLIED HYDROGEOLOGIC consultants
3052 Clairemont Drive, Suite H-10 • San Diego, CA 92117 • (619) 275-6577

ULLMAN 29C5.8C
343 South Hwy. 101
Solana Beach, CA

BORING LOG

Date 29 February 1988

Boring No. WO-B3

Project No. 29C5.8C

Depth Ft.	Soil Clas Smbl	Sample No	Soil Description	Comments
			STARTS AT A DEPTH OF 8 FEET AND PROCEEDS DOWNWARD AT 45° IN A NORTHWESTERLY DIRECTION. RECORDED DEPTHS ARE DISTANCE ALONG THE 45° BORING.	
1.0			Gray, moist, medium dense, fine to medium sand. (SW)	Oil staining present
2.0				Oil stain decreasing
3.0				
4.0				
5.0				
6.0			Light gray, moist, medium dense, fine to medium sand. (SW)	
7.0				No visual detection of oil.
8.0		A	BOTTOM of BORING 8 FEET	-Sample WONW-D8
9.0			NOTE: Due to the angle, the location of the bottom of this boring is ≈13½' below the ground surface and 6 feet from boring WO-B1 (center of plume).	
10.0				

CONFIDENTIAL

APPLIED HYDROGEOLOGIC consultants
3052 Clairemont Drive, Suite H-10 • San Diego, CA 92117 • (619) 275-0577

ULLMAN 29C5.8C
343 South Hwy 101
Solana Beach, CA

BORING LOG

Date 29 February 1988

Boring No. WO-4

Project No. 29C5.8C

Depth Ft	Soil Clas Smbl	Sample No	Soil Description	Comments
2.0			Light reddish brown, fine to coarse sand.(SW) (Fill) (Waste oil tank backfill material consisting of a mixture of the surrounding natural materials).	Top of tank.
4.0				
6.0				
8.0				7 ft. bottom of tank and excavation
		A	Gray, moist, medium dense, fine to medium sand (SW)	-Sample WOST-D9 22 ppm
			BOTTOM OF BORING 9½ FEET	
10.0				
12.0				
14.0				
16.0				
18.0				
20.0				

APPLIED HYDROGEOLOGIC consultants
3052 Clairemont Drive, Suite H-10 • San Diego, CA 92117 • (619) 275-6577

ULLMAN 29C5.8C
343 South Hwy. 101
Solana Beach, CA

Appendix C
Laboratory Results

Chemical Research Laboratories, Inc.
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • (213) 598-0458

February 25, 1988

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Drive, Suite B
San Diego, CA 92117
ATTN: Walter Kitchin

ANALYSIS NO.: 804120-001/003
ANALYSES: Miscellaneous
DATE SAMPLED: 02/09/88
DATE SAMPLE REC'D: 02/10/88
PROJECT: Ullman 29C5.8T

Enclosed with this letter are the reported data from the chemical and physical analyses requested for the samples submitted. As required the samples were analyzed by the following test(s):

EPA Method 8015, a GC/FID analysis modified for the analysis of petroleum fuel hydrocarbons.

EPA Method 418.1 Total Petroleum Hydrocarbons by Infrared Spectroscopy.

EPA Method 1010, Flash Point utilizing Pensky-Martens closep cup apparatus.

Organic Lead (DOHS), Extraction with MIBK followed by direct-aspiration Flame AA.

EPA Method 8080, GC/ECD analysis of Chlorinated Pesticides and Polychlorinated Biphenyls (PCB).

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

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

Verbals were given February 23, 1988 to Mr. Walter Kitchin.

The Chain of Custody Record and the QA/QC data are enclosed with this report.

REVIEWED AND APPROVED

Chemical Research Laboratories, Inc.
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • (213) 598-0458

LABORATORY REPORT

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Drive, Suite B
San Diego, CA 92117
ATTN: Walter Kitchin

Sample ID: BE 1 Waste Oil Tank

ANALYSIS NO.: 804120-001
ANALYSES: Polychlorinated Biphenyls
DATE SAMPLED: 02/09/88
DATE SAMPLE REC'D: 02/10/88
DATE ANALYZED: 02/23/88
SAMPLE TYPE: Solid
PROJECT: Ullman 29C5.8T

POLYCHLORINATED BIPHENYLS (PCB'S)

Parameters	Results in (ug/kg)
Aroclor-1016	ND(30.)
Aroclor-1221	ND(30.)
Aroclor-1232	ND(30.)
Aroclor-1242	140.
Aroclor-1248	ND(30.)
Aroclor-1254	ND(30.)
Aroclor-1260	ND(30.)

Chemical Research Laboratories, Inc.
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • (213) 598-0458

QA/QC SUMMARY

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Drive, Suite B
San Diego, CA 92117
ATTN: Walter Kitchin

ANALYSIS NO.: 804120-001/003
ANALYSES: Miscellaneous
DATE SAMPLED: 02/09/88
DATE SAMPLE REC'D: 02/10/88
PROJECT: Ullman 29C5.8T

QA/QC SUMMARY

Date	Parameter(method)	Average Matrix Spike Recovery%	Acceptable Range%	Relative Percent Difference	Acceptable Range%
02/18/88	Total Petroleum Hydrocarbons (EPA 8015)	89	70-130	31	40
02/17/88	Total Petroleum Hydrocarbons (EPA 418.1)	118	82-120	1	26
02/12/88	Organic Lead (DOHS)	90	60-130	10	30
02/23/88	Gamma BHC	60	46-127	8	50

Chemical Research Laboratories, Inc.
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • (213) 598-0458

LABORATORY REPORT

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Drive, Suite B
San Diego, CA 92117
ATTN: Walter Kitchin

Sample ID: BE 1 Waste Oil Tank

ANALYSIS NO.: 804120-001
ANALYSES: Miscellaneous
DATE SAMPLED: 02/09/88
DATE SAMPLE REC'D: 02/10/88
DATE ANALYZED: 02/12-17/88
SAMPLE TYPE: Solid
PROJECT: Ullman 29C5.8T

Parameters	Results in (mg/kg)
Total Petroleum Hydrocarbons (EPA 418.1)	26,000.
Flash Point (^{o}F) (EPA 1010)	None up to 200^{o}F
Organic Lead (EPA 6010)	5.3

Chemical Research Laboratories, Inc.
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • (213) 598-0458

LABORATORY REPORT

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Drive, Suite B
San Diego, CA 92117
ATTN: Walter Kitchin

ANALYSIS NO.: 804120-002/003
ANALYSES: EPA Method 8015
DATE SAMPLED: 02/09/88
DATE SAMPLE REC'D: 02/10/88
DATE ANALYZED: 02/18/88
SAMPLE TYPE: Solid
PROJECT: Ullman 29C5.8T

SAMPLE IDENTIFICATION	TOTAL PETROLEUM HYDROCARBONS PENTANE EXTRACTION EPA METHOD 8015 (mg/kg)
BE 432 Bottom Gasoline Tank	ND(1.)
ES Comp Gasoline Tank	ND(1.)

CHEMICAL RESEARCH LABORATORIES, INC.

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

- ORANGE COUNTY
- VENTURA
- SANTA MARIA
- BAKERSFIELD
- L.A. COUNTY
- MOBILE LAB

CHAIN OF CUSTODY RECORD

Date 10 Feb 88 Page 1 of 1

CLIENT Applied Hydrogeologic Con.
ADDRESS 3052 Clairemont Dr. Ste B, San Diego, CA

PROJECT MANAGER Walter V. Kitchin
PHONE NUMBER (619) 275-6577

PROJECT NAME ULLMAN 29C 5.8 T

SAMPLERS: (Signature) Peter J. Ruberu

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE: WATER Comp.	WATER Grab.	AIR	SOLID	NO. OF CNTNRS	TESTS REQUIRED
BE 1	waste oil tank bottom exc.	9 FEB 88					Soil	1	418.1, PCB's, Total Pb.
									Slash point
BE 432	Bottom gasoline tank excavation	9 FEB 88					Soil comp.	1	8015 Sael Singerpri
FS COMP	gasoline tank excavated soils	9 FEB 88					Soil comp	1	8015 Sael Singerpri

Relinquished by: (Signature) Peter J. Ruberu
Relinquished by: (Signature) [illegible]
Relinquished by: (Signature)

Received by: (Signature) [illegible]
Received by: (Signature)
Received by Mobile Laboratory for field analysis: (Signature)

CRL will store sample for 30 days at no charge. Storage after 30 days is charged at $10 per month per sample. Disposal of sample is charged at $10 per sample. Please indicate the disposition of your sample.

1. Client retrieved _____ by _____
2. Lab Disposal _____ by _____
3. Store for _____ days. by _____
4. Other _____ by _____

Date/Time 2/10/88 3:75
Date/Time
Date/Time

Dispatched by: (Signature)
Date/Time
Received for Laboratory by: Don Burden
Date/Time 2/10/88 5:30

Method of Shipment:

I hereby authorize the performance of the above indicated work.
P.O. 1331
X [illegible]

Special Instructions: REGULAR TURNAROUND !!

CCR-100

SOURCE: Adapted from U.S. EPA, 1985

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

Chemical Research Laboratories, Inc.
SOUTHERN CALIFORNIA DIVISION
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • FAX: (714) 891-5917 • (800) LAB-1CRL

March 4, 1988

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Dr., Suite H-10
San Diego, CA 92117
ATTN: Mr. Walter Kitchin

ANALYSIS NO.: 805627-001/004
ANALYSES: EPA Method 8080,418.1
DATE SAMPLED: 02/24/88
DATE SAMPLE REC'D: 02/25/88
PROJECT: Ullman 29C5.8C.

Enclosed with this letter are the reported data from the chemical and physical analyses requested for the samples submitted. As required the samples were analyzed by the following test(s):

EPA METHOD 418.1, Total Petroleum Hydrocarbons by Infared Spectroscopy.

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

On February 26 and March 3, 1988 verbals were given to Mr. Walter Kitchin.

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

REVIEWED AND APPROVED

Chemical Research Laboratories, Inc.
SOUTHERN CALIFORNIA DIVISION
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • FAX: (714) 891-5917 • (800) LAB-1CRL

QA/QC SUMMARY

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Dr., Suite H-10
San Diego, CA 92117
ATTN: Mr. Walter Kitchin

ANALYSIS NO.: 805627-001/004
ANALYSES: EPA Method 418.1
DATE SAMPLED: 02/24/88
DATE SAMPLE REC'D: 02/25/88
PROJECT: Ullman 29C5.8C.

QA/QC SUMMARY

Date	Parameter(method)	Average Matrix Spike Recovery%	Acceptable Range%	Relative Percent Difference	Acceptable Range%
02/26/88	Total Petroleum Hydrocarbons (EPA 418.1)	106.5	60-120.	13.	35.

Chemical Research Laboratories, Inc.
SOUTHERN CALIFORNIA DIVISION
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • FAX: (714) 891-5917 • (800) LAB-1CRL

LABORATORY REPORT

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Dr., Suite H-10
San Diego, CA 92117
ATTN: Mr. Walter Kitchin

ANALYSIS NO.: 805627-001/004
ANALYSES: EPA Method 418.1
DATE SAMPLED: 02/24/88
DATE SAMPLE REC'D: 02/25/88
DATE ANALYZED: 02/26/88
SAMPLE TYPE: Solid
PROJECT: Ullman 29C5.8C.

Sample Identification	TOTAL PETROLEUM HYDROCARBONS EPA Method 418.1 (mg/kg)
WOB-D10 Bottom EXC.	27,000.
WO-D12 Waste Oil 2' below Bottom	25,000.
COMP-BF3 (composite) Backfill Soil	77.
COMP-DSP (composite) Dirty Stock Pile	20,000.

Chemical Research Laboratories, Inc.
SOUTHERN CALIFORNIA DIVISION
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • FAX: (714) 891-5917 • (800) LAB-1CRL

LABORATORY REPORT

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Dr., Suite H-10
San Diego, CA 92117
ATTN: Mr. Walter Kitchin

SAMPLE ID: COMP-BF3 (composite)
Backfill Soil

ANALYSIS NO.: 805627-003
ANALYSES: EPA Method 8080
DATE SAMPLED: 02/24/88
DATE SAMPLE REC'D: 02/25/88
DATE ANALYZED: 03/01/88
SAMPLE TYPE: Solid
PROJECT: Ullman 29C5.8C.

PARAMETERS	RESULTS, in (ug/kg)
Polychlorinated Biphenyls (PCB'S)	
Aroclor - 1016	ND(8.)
Aroclor - 1221	ND(8.)
Aroclor - 1232	ND(8.)
Aroclor - 1242	ND(8.)
Aroclor - 1248	ND(8.)
Aroclor - 1254	ND(8.)
Aroclor - 1260	ND(8.)

Chemical Research Laboratories, Inc.
SOUTHERN CALIFORNIA DIVISION
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • FAX: (714) 891-5917 • (800) LAB-1CRL

LABORATORY REPORT

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Dr., Suite H-10
San Diego, CA 92117
ATTN: Mr. Walter Kitchin

SAMPLE ID: COMP-DSP (composite)
Dirty Stock Pile

ANALYSIS NO.: 805627-004
ANALYSES: EPA Method 8080
DATE SAMPLED: 02/24/88
DATE SAMPLE REC'D: 02/25/88
DATE ANALYZED: 03/01/88
SAMPLE TYPE: Solid
PROJECT: Ullman 29C5.8C.

PARAMETERS	RESULTS, in (ug/kg)
Polychlorinated Biphenyls (PCB'S)	
Aroclor - 1016	ND(80.)
Aroclor - 1221	ND(80.)
Aroclor - 1232	ND(80.)
Aroclor - 1242	ND(80.)
Aroclor - 1248	ND(80.)
Aroclor - 1254	ND(80.)
Aroclor - 1260	ND(80.)

Note: Higher detection limit due to sample matrix.

CHEMICAL RESEARCH LABORATORIES, INC.

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

- ORANGE COUNTY
- VENTURA
- SANTA MARIA
- BAKERSFIELD
- L.A. COUNTY
- MOBILE LAB

CHAIN OF CUSTODY RECORD

Date 25 Feb 88 Page 1 of 1

CLIENT Applied Hydrogeologic
ADDRESS 3052 Clairemont Dr. Ste. B
SAN DIEGO, CA 92117
PROJECT NAME ULLMAN 29C5.8C
PROJECT MANAGER WALTER KITCHIN
PHONE NUMBER (619) 275-6577
SAMPLERS: (Signature) Walter K. Kitchin

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE: WATER Comp.	WATER Grab.	AIR	SOLID	NO. OF CNTNRS	TESTS REQUIRED
WOB-D10	Bottom exc.	2/24	1459				Soil	1	418.1 Rush **
WO-D12	Waste oil 2' below bottom	2/24	1510				Soil	1	418.1 Rush *
COMP-BF3	COMPOSITE BACKFILL SOIL	2/24	1452				Soil	1	418.1 Rush *
									8080 PCB's
COMP-DSP	COMPOSITE Dirty stockpile	2/24	1520				Soil	1	418.1
									8080 PCB's

Relinquished by: (Signature) Walter K. Kitchin — Date/Time 2/25/88 3:25 PM
Received by: (Signature)

Relinquished by: (Signature)
Received by: (Signature)

Relinquished by: (Signature)
Received by Mobile Laboratory for field analysis: (Signature)

CRL will store sample for 30 days at no charge. Storage after 30 days is charged at $10 per month per sample. Disposal of sample is charged at $10 per sample. Please indicate the disposition of your sample.

1. Client retrieved _____ by _____
2. Lab Disposal _____ by _____
3. Store for _____ days. by _____
4. Other _____ by _____

Dispatched by:(Signature)
Date/Time
Received for Laboratory by: Ann Burley — Date/Time 2/25/88 6:00 PM

Method of Shipment:

I hereby authorize the performance of the above indicated work.

Special Instructions:
** 24 hr. RUSH ON 3 - 418.1 (CAREFUL - SITE HAS PCB's)

Walter K. Kitchin

CCR-100

SOURCE: Adapted from U.S. EPA, 1985

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

Chemical Research Laboratories, Inc.
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • (213) 598-0458

RECEIVED
MAR 0 4 1988
Ans'd.....

March 3, 1988

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Drive, Suite B
San Diego, CA 92117
ATTN: Walter Kitchin

ANALYSIS NO.: 806019-001/004
ANALYSES: EPA Method 418.1
DATE SAMPLED: 02/29/88
DATE SAMPLE REC'D: 02/29/88
PROJECT: Ullman 29C5.8C

Enclosed with this letter are the reported data from the chemical and physical analyses requested for the samples submitted. As required the samples were analyzed by the following test(s):

EPA Method 418.1, Total Petroleum Hydrocarbons by Infrared Spectroscopy.

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

Verbals were given March 1, 1988 at 5:00 p.m. to Mr. Walter Kitchin.

The Chain of Custody Record and the QA/QC data are enclosed with this report.

REVIEWED AND APPROVED

Chemical Research Laboratories, Inc.
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • (213) 598-0458

LABORATORY REPORT

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Drive, Suite B
San Diego, CA 92117
ATTN: Walter Kitchin

ANALYSIS NO.: 806019-001/004
ANALYSES: EPA Method 418.1
DATE SAMPLED: 02/29/88
DATE SAMPLE REC'D: 02/29/88
DATE ANALYZED: 03/01/88
SAMPLE TYPE: Solid
PROJECT: Ullman 29C5.8C

SAMPLE IDENTIFICATION	TOTAL PETROLEUM HYDROCARBONS EPA METHOD 418.1 (mg/kg)
WO-D17	39,000.
WO-D20	120.
WOST-D9	22.
WOPL-D8	19.

Chemical Research Laboratories, Inc.
7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • (213) 598-0458

QA/QC SUMMARY

APPLIED HYDROGEOLOGIC CONSULTANTS
3052 Clairemont Drive, Suite B
San Diego, CA 92117
ATTN: Walter Kitchin

ANALYSIS NO.: 806019-001/004
ANALYSES: EPA Method 418.1
DATE SAMPLED: 02/29/88
DATE SAMPLE REC'D: 02/29/88
PROJECT: Ullman 29C5.8C

QA/QC SUMMARY

Date	Parameter(method)	Average Matrix Spike Recovery%	Acceptable Range%	Relative Percent Difference	Acceptable Range%
3/1/88	Total Petroleum Hydrocarbons (EPA 418.1)	100	80-120	0	26

CHEMICAL RESEARCH LABORATORIES, INC.

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

- ORANGE COUNTY
- VENTURA
- SANTA MARIA
- BAKERSFIELD
- L.A. COUNTY
- MOBILE LAB

CHAIN OF CUSTODY RECORD

Date 29FEB 88 Page 1 of

CLIENT APPLIED HYDROGEOLOGIC CONSULTANTS

ADDRESS 3052 CLAIREMONT DR. STE B

SAN DIEGO, CA 92117

PROJECT MANAGER
WALTER KITCHIN

PHONE NUMBER
275-6577

PROJECT NAME
ULLMAN 29C 5.8C

SAMPLERS: (Signature)
Walter A. Kitchin

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE: WATER Comp.	SAMPLE TYPE: WATER Grab.	SAMPLE TYPE: AIR	SOLID	NO. OF CNTNRS	TESTS REQUIRED
NO OF THOSE MAY HAVE CBS WO-D17	WASTE OIL TANK BORING	29 FEB					Soil	1	418.1
WO-D20	"	29FEB					Soil	1	418.1
WOST-D9	CENTER 3 BELOW BOTTOM	29FEB					soil	1	418.1
WOPL-D8	WEST UNDER PROPERTY LINE	29 FEB					Soil	1	418.1

Relinquished by: (Signature) Walter A. Kitchin

Received by: (Signature)

Date/Time 2/29/88 3:45

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by Mobile Laboratory for field analysis: (Signature)

Date/Time

CRL will store sample for 30 days at no charge. Storage after 30 days is charged at $10 per month per sample. Disposal of sample is charged at $10 per sample. Please indicate the disposition of your sample.

1. Client retrieved _____ by _____
2. Lab Disposal _____ by _____
3. Store for _____ days. by _____
4. Other _____ by _____

Dispatched by:(Signature)

Date/Time

Received for Laboratory by: Ann Burley

Date/Time 2/29/88 5:50

Method of Shipment:

I hereby authorize the performance of the above indicated work.

Walter A. Kitchin

Special Instructions:
Rush 24 hrs. (CAREFUL!! PCB's MAY BE PRESENT)

SOURCE: Adapted from U.S. EPA, 1985

CCR-100

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

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY: [ ] YES [X] NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? [ ] YES [XX] 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 SAFETY CODE. 1 53 11 88
SIGNED DATE

REPORT DATE: 02 08 88 CASE #: XXXXX0XX T0914

REPORTED BY
NAME OF INDIVIDUAL FILING REPORT: Walter Kitchin
PHONE: (619) 275-6577
SIGNATURE:
REPRESENTING: [X] OWNER/OPERATOR [ ] REGIONAL BOARD [ ] LOCAL AGENCY [ ] OTHER
COMPANY OR AGENCY NAME: Applied Hydrogeologic Consultants
ADDRESS: 3052 Clairemont Dr. Suite B, San Diego, CA 92117
STREET CITY STATE ZIP

RESPONSIBLE PARTY
NAME: Dr. Ullman [ ] UNKNOWN
CONTACT PERSON:
PHONE: (619) 463-4486
ADDRESS: 4786 Mt. Helix Drive, La Mesa, CA 92041
STREET CITY STATE ZIP

SITE LOCATION
FACILITY NAME (IF APPLICABLE): Not Known, Closed in 1969
OPERATOR:
PHONE: ( )
ADDRESS: 343 South Highway 101, Solona Beach, San Diego,
STREET CITY COUNTY ZIP
CROSS STREET: Dahlia Drive
TYPE OF AREA: [XX] COMMERCIAL [ ] INDUSTRIAL [ ] RURAL [ ] RESIDENTIAL [ ] OTHER
TYPE OF BUSINESS: [XX] RETAIL FUEL STATION [ ] FARM [ ] OTHER

IMPLEMENTING AGENCIES
LOCAL AGENCY / AGENCY NAME: HMMD (County Health Services)
CONTACT PERSON: Dave Felix
PHONE: (619) 236-2222
REGIONAL BOARD: RWQCB (San Diego)
CONTACT PERSON: Scott Hugenberger
PHONE: (619) 265-5114

SUBSTANCES INVOLVED
(1) NAME: Waste Oil — QUANTITY LOST (GALLONS): [XX] UNKNOWN
(2) [ ] UNKNOWN

DISCOVERY/ABATEMENT
DATE DISCOVERED: 02 08 88
HOW DISCOVERED: [ ] INVENTORY CONTROL [ ] SUBSURFACE MONITORING [ ] NUISANCE CONDITIONS [ ] TANK TEST [X] TANK REMOVAL [ ] OTHER
DATE DISCHARGE BEGAN: [XX] UNKNOWN
METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): [XX] REMOVE CONTENTS [ ] REPLACE TANK [XX] CLOSE TANK [ ] REPAIR TANK [ ] REPAIR PIPING [ ] CHANGE PROCEDURE [ ] OTHER
HAS DISCHARGE BEEN STOPPED? [XX] YES [ ] NO IF YES, DATE 02 08 88

SOURCE/CAUSE
SOURCE OF DISCHARGE: [XX] TANK LEAK [ ] UNKNOWN [ ] PIPING LEAK [ ] OTHER
TANKS ONLY/CAPACITY: 550 GAL GAL. AGE 25 YRS [ ] UNKNOWN
MATERIAL: [ ] FIBERGLASS [X] STEEL [ ] OTHER
CAUSE(S): [X] OVERFILL [ ] RUPTURE/FAILURE [XX] CORROSION [ ] UNKNOWN [ ] SPILL [ ] OTHER

CASE TYPE
CHECK ONE ONLY: [ ] UNDETERMINED [X] SOIL ONLY [ ] GROUNDWATER [ ] DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS
CHECK ONE ONLY: [ ] SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) [X] CLEANUP IN PROGRESS [ ] SIGNED-OFF (CLEANUP COMPLETED OR UNNECESSARY) [ ] NO ACTION TAKEN [ ] POST CLEANUP MONITORING IN PROGRESS [ ] NO FUNDS AVAILABLE TO PROCEED [ ] EVALUATING CLEANUP ALTERNATIVES

REMEDIAL ACTION
CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
[ ] CAP SITE (CD) [XX] EXCAVATE & DISPOSE (ED) [ ] REMOVE FREE PRODUCT (FP) [ ] ENHANCED BIO DEGRADATION (IT)
[ ] CONTAINMENT BARRIER (CB) [ ] EXCAVATE & TREAT (ET) [ ] PUMP & TREAT GROUNDWATER (GT) [ ] REPLACE SUPPLY (RS)
[ ] TREATMENT AT HOOKUP (HU) [ ] NO ACTION REQUIRED (NA) [ ] OTHER (OT)

COMMENTS

HSC 05 (4/87)

MEMOS

AND

NOTES

SITE REMEDIATION SUMMARY

File No. T0914/H26441 Date Submitted MAY 16, 1988

Facility Name ———

Operator ——— Phone ———

Address at Site 343 SOUTH HIGHWAY 101 SOLANA BEACH

Mailing Address (if different) 4786 MT. HELIX DR LA MESA 92041

Corporate Contact Person JUNE HILLMAN Phone 469-3494

HAZMAT Specialist DAVID FELIX Phone 236-2222

	Yes	No	NA
Off Site Impacts	___	X	___
Beneficial Use Area for Ground Water	___	X	___
Known Public Health Risks	___	X	___
Further Environmental Monitoring Required	___	X	___
Consultant's Report on File	X	___	___
RWQCB Concurrence with Remediation SN 2/26/88 S/17/88	X	___	___
Manifests Provided (Quantity Removed 14 YDS^3)	X	___	___

Contaminant: WASTE OIL, PCB

Cleanup Levels Established: 1000 mg/kg TPH, 10 mg/kg PCB

Maximum Concentrations Remaining On-Site: TPH 1700mg/kg (2 yds^3), PCB N.D.

Comments: CLEAN UP OF SOIL USING AUGER, SOME SMEARING ON SIDE WALL AND RESIDUE IN BOTTOM OF HOLE. VERIFICATION BORING TAKEN 1-5 FT FROM HIGH SIDEWALL VALUES YIELDED 1 mg/kg TPH. Auger could not remove all loose material from boring, too deep for a backhoe — therefore ≈ 2 cu yds of contaminated material remain in the excavation. Minor Amount should not create any significant risk. LG

DHS:HM-957 (2/88)

Wilcom - , Milton Ullman 6/13/88 2:00
H26441 / T0914

He asked about sign off letter - seems vague.
Interested in future site development - will be
motel or shopping center.

I said if new contamination appears, then more work
will be necessary. I noted this is rare, but
it does happen at old gas stations.

I noted that complete environmental assessments can be
done by metal detector, GPR, drilling etc. Consultants
know methods. These may be required by
lenders, buyers etc, but HNMD does not
require such complete site assessments.

DWF

Notes for kitchen

RWQCB report sent to AMMD (Duplicate) rept of 7 April 68

Describe "hell" dimensions - est 11-12 ft 4-5 feet
method of visual inspection of bore walls
Why was area of S-2 missed? (High TPH value)

Need boring 1 ft outboard of S-2 location
sample 15, 20 ft

Telcon - Call from W. Kitchen 4/13/88 12:40

Initial hole done with 4 ft open flight auger
Over reaming + belling done by tilting rig.

Nothing noticed on side walls.

I noted CC lack, he says they have ATI to KMC cc
will send

I suggested sample outboard (1 ft) of S-2
Take samples at 15, 17½, 20 ft. Examine visually
(& use PID). Have most analyzed by 418.1.
If all look clr, do sample from 20 ft.

I noted that I could get 1 "excess" sample bag
(the one at bottom of hole), but not 2 or 3
(high side wall values).

additional bagging over S-2 will serve as verification
of limits of contamination / cleanup.

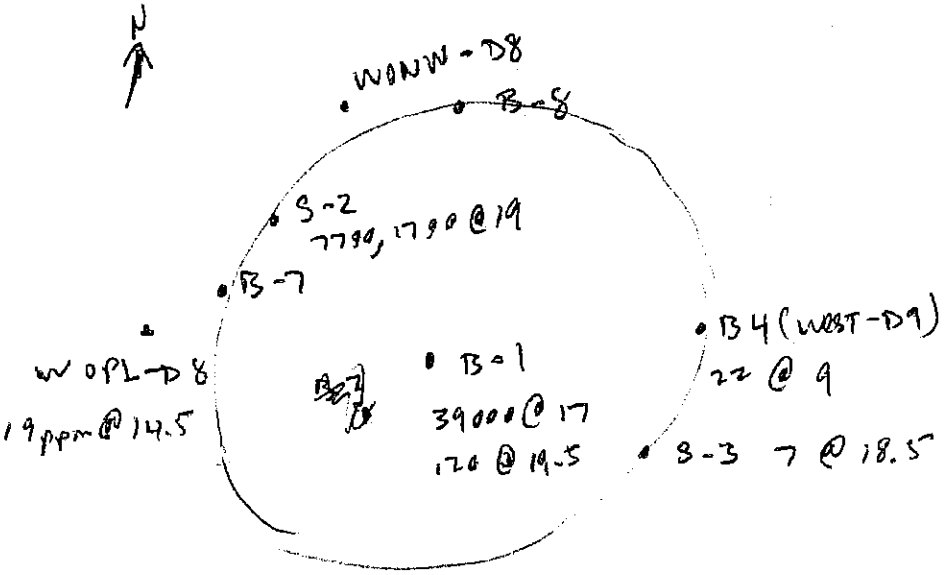
DWF

Notes 343 So Highway 101 Solana Beach
4/12/88

Trial dig 10 ft
After soil removal by bucket auger, THC found
1701 ppm at 19 ft (S-2, NNW wall)
Reanalysis of S-2 yielded 1700

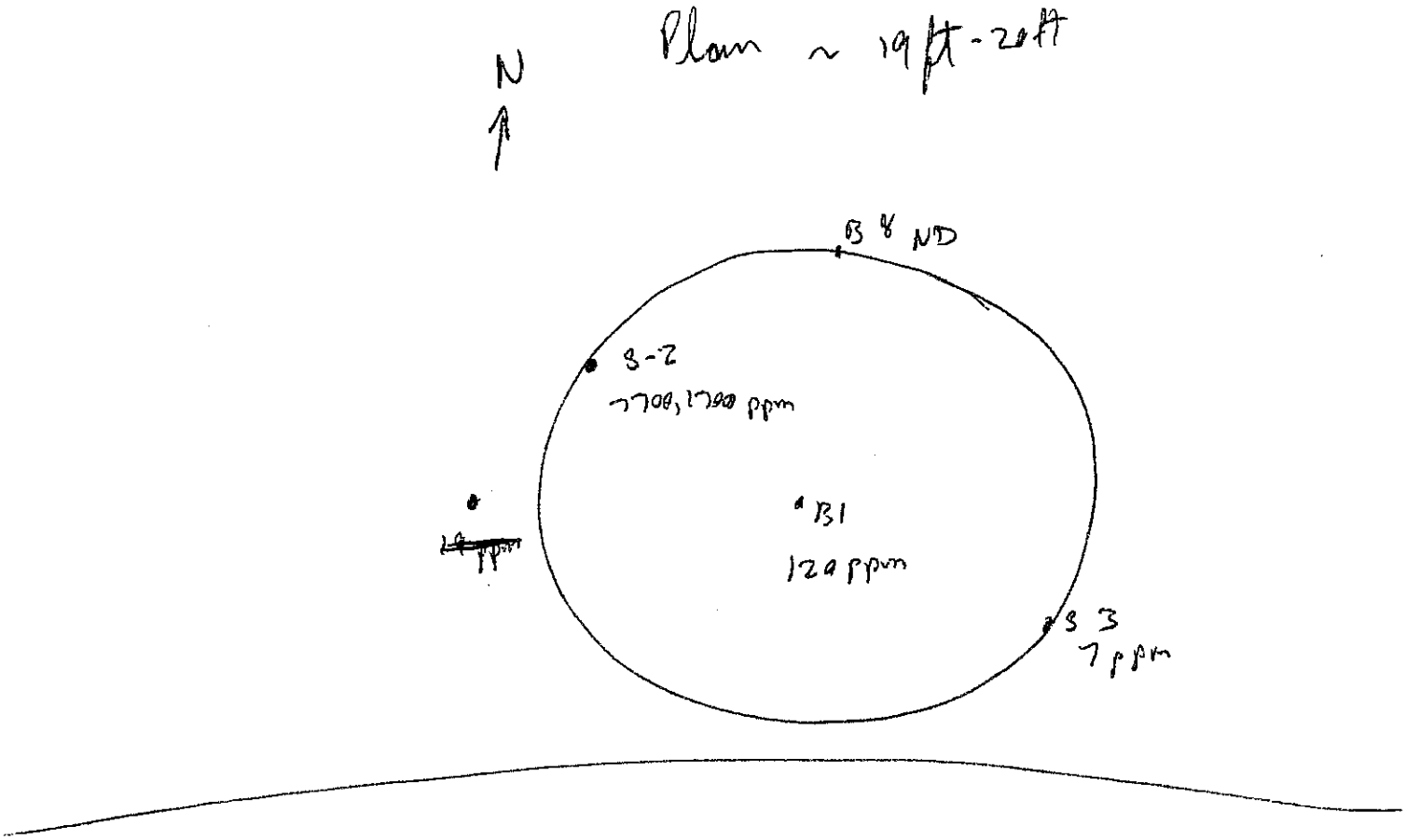
Bottom of hole (infill) S-7 yielded 1390 and 640 ppm

Original angled boring WOPL-D8 yielded 19 ppm at 14.5 ft
Original angled boring, WONW-D8 not analyzed, but
one visual oil detection ~13½ ft below surface

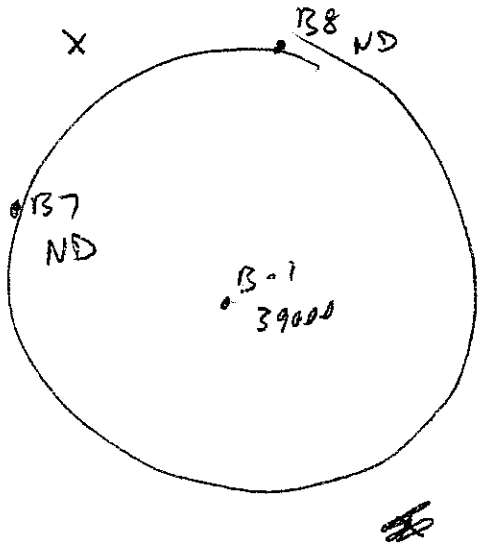


Bottom of tank at 7 ft
Deepest known contam.
at 19.5 (B-1)

Where was bucket auger centered in relation to first set of samples? Plot plans indicate centered at B-1
ultimate diameter = 10 ft. WOPL-D8 is 6½ ft horizontal from B-1
so it was not dug out by 5 ft radius bore.



Plan 17.5



Need Samples at X 15 - 20 ft

Telcon 4/11/88 11:40

Call Walter Ketcher re 343 S. Highway 101

I noted several errors in report, asked him for corrected pages.
He says cleanup report should have been delivered to HMMD this a.m. It has more analyses at ~20 ft deep.

Bucket auger work has been done.
I suggested plan vis-à-vis of contamination ~~at~~ various depths, especially max depth of removal.

Large bucket auger work completed

DWF

"Bucket" turned out to be open flight auger DWF

Call from Walter Kitchen 3/18 10:20

Re Ullman property

Have excavated 95% of contaminated with 6 ft dia ~~bucket~~ auger.

Sample from bottom 1300 ppm (20 ft)

NW Side near bottom 7700 ppm

SW side wall 7 ppm

PCB's not detected in any subsequent samples detection 8 ppb

Somebody threw gasoline in hole, down ~ 4 ft in sand

Telcon from Walter Ketcham 3/1/88 3:20

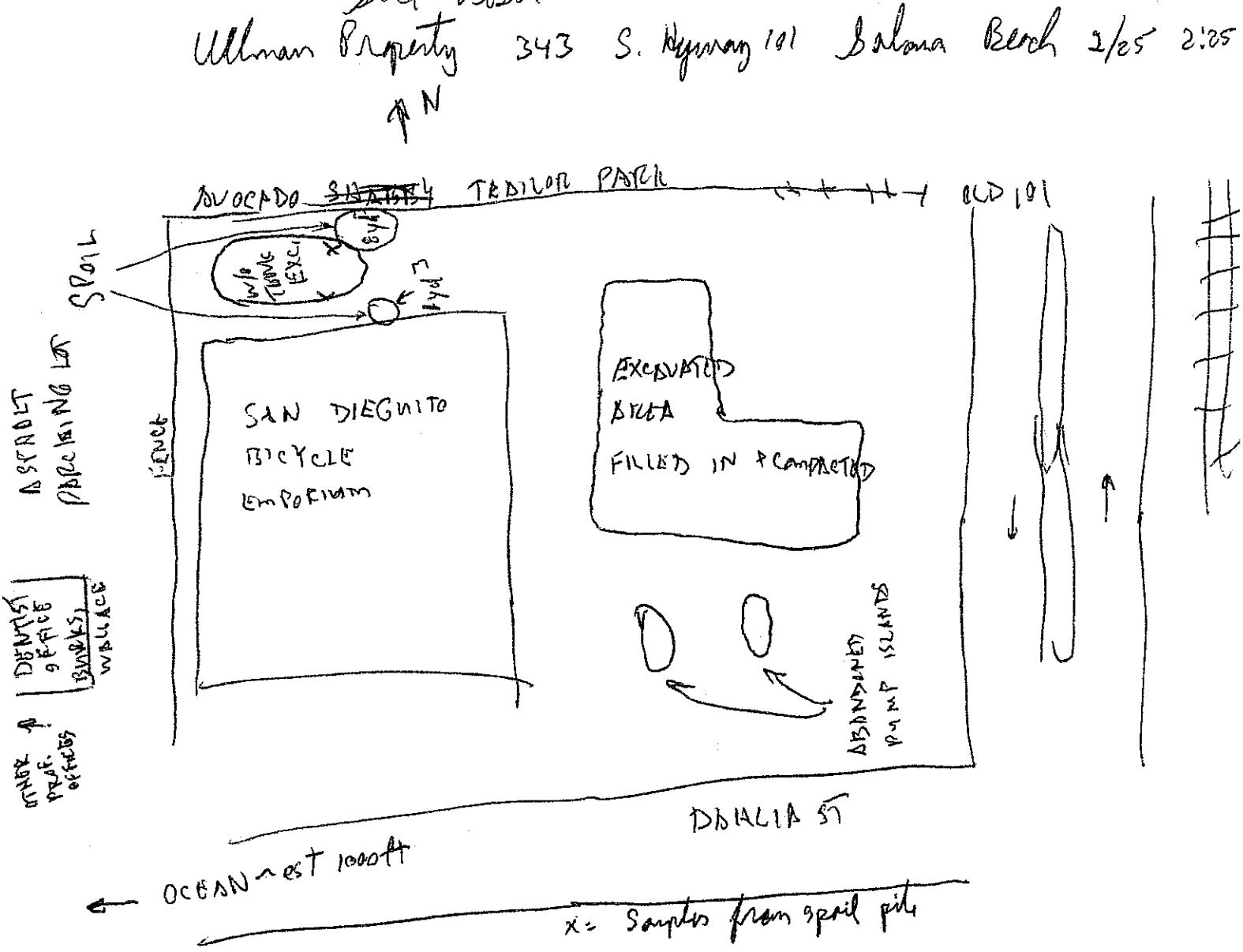
He wanted to know about cleanup levels for 3rd - South 101 Site. I said less than 50 ppm PCB and 1000 ppm TPH per S. Burgenberger.

He took more samples (borings) yesterday. Oil contamination seems to stop about 19 feet below grade with little lateral movement. He will have analyses by ~5 pm today. Ullmans are anxious

DWF

Site Visit

Ullman Property 343 S. Highway 101 Solana Beach 2/25 2:25



W/a Tank excavation about 12' ft, gray, orange and buff sand (old beach) for nature and backfill. Small spoil pile (~1 yd³) on ad covered by black plastic sheet. ~~Water odor~~ Pronounced dark brown stain at ~ west bottom of excavation. Had 4 borings (~6" Dia) into stained area which had been partially dug out over an area ~2 x 2 ft prior to boring.
Rusted piping on north edge of excavation. No water in excavation

Telcom - Walter Kitchen 2/24 2 PM

Call W. Kitchen - I gave him PCB levels noted on note appended to Telcom of 2/23

Said I would have to talk to S. Morgenberger for specifics because of beneficial use, presence of lagoon and proximity to ocean. (Kitchen says ~4 blocks - is on west side of 101)

X

Telcon 2/23/88 4:50

Called Walter Kitchen re 343 S. Highway 101 Sol Beach

They have sampled gas tank excavations, material ND for TPH

Waste oil tank at West end of excavation gave 26,000 ppm TPH and
140 ppm PCB AROCLOR 1242

Material is sand

I will call Steinbeck with PCB limits

Title 22 Article 9 Sec 66680 PCB Extremely Haz. Waste
Sec 66699 - Waste is hazardous if it contains PCB at STLC 5.0 mg/l, TTLC 50 mg/kg

TTLC PCB 5,000 mg/kg → Ext Haz Waste

See Policy + Procedure Manual

Mashuck ~~no stat action levels~~ To protect G.W.
in Soil 79 mg/kg ppb trillion
To protect marine waters Total in solid 3 mg/kg
Check with Scott H.

INDUSTRY INSPECTION ADDENDUM REPORT

ESTABLISHMENT # H26441 AT 1107 DATE 2-9-88

INSPECTOR GRIFFITH

ORDER OF REMOVAL

#2) 8000 GAL. GASOLINE TANK CLOSEST TO STREET. NOT IN USE. THE PREMISES WAS USED AS BICYCLE SHOP 14 YEARS. TANK TAR COATING WAS INTACT EXCEPT A FEW SPOTS WHERE RUST AND PITTING WERE OBSERVED. NO OBVIOUS HOLES SEEN. EXCAVATION APPROX 10 FT. DEEP IN TAN SANDY SOIL SOME OF THE BACKFILL SOIL HAD VERY SLIGHT HYDROCARBON SMELL. NO SIGNS OF GROUNDWATER. THE EXCAVATION BOTTOM HAD SOME SMALL AREAS SLIGHTLY DISCOLORED.

#3) 12 000 GAL GASOLINE TANK IN SAME EXCAVATION AS 1 AND 2, FARTHEST FROM STREET. THE CONDITIONS OF #3 SAME AS 1+2.

#4) 500 GAL WASTE OIL TANK. HAD 3" DIAMETER HOLE AT VENT END OF TANK APPROX. 15" FROM TOP. THERE WAS EXTENSIVE RUSTING OF SOME AREAS OF TANK BOTTOM. THE EXCAVATION WAS APPROX. 7 FT. DEEP IN TAN SANDY SOIL THERE WAS APPROX 5 GALLONS SATURATED SOIL IN BOTTOM OF EXCAVATION POSSIBLY FROM TANK WASHING. THE BOTTOM - WEST END OF TANK EXCAVATION SOIL WAS BLACKENED AND HAD HYDROCARBON SMELL. CONTRACTOR SAID TANK HOLE WAS NOT MADE DURING EXCAVATION

ALL FOUR TANKS WERE MARKED WITH PLAN CHECK NUMBER

CLERICAL WORK SHEET

DATE	COMMENTS	INITIALS
4/28	Submit for close	DNF
4/27	Call Walter Leitcher re missing manifest for 15 yd^3; it is still on site. Will haul when verbal site OK is given	DNF
5/16	Call from Walter Leitcher - he is wondering about sign off. I said I would reinstate sign off until has been removed. We will send manifest tomorrow	
5/17	Called S. Hagenbuch, explained 1700 ppm sample and other sample values. He says ok to leave loose volume on site.	
5/17	Submit for close again	
5/17	Rec. soil manifest for 14 yd^3	
6/9	Call from Dr. Ullman re progress. I sent to check with Gallagher + Arena	
6/9	Call from W. Leitcher re progress - as above	
6/9	Dan Arena found unsigned letters - signed + sent.	
6/9	Closed	
3/7/89	Copied field inspection form from tank removal for Michael Anello of MTA Consulting	Cherie
5/23/89	Mark Bidegain here to review file per written request	MB
9/20/89	VFORPR	LA
11/1/89	Judd Warren of Malcolm Pirnie cancelled request to review file	MB
11/21/89	Roman Saca of Weston here to review file per written request	RS
12/16/91	June + Milton Ullman here to review files (#12-15)	MU

CLERICAL WORK SHEET

DATE	COMMENTS	INITIALS
2/18/88	Notice to Owner - Certified	LR
2/18/88	URR LEAK site report to Owner	LR
2/18/88	RWQCB Notification and Notice	LR
2/18/88	RWQCB Notification to VG File (copy)	LR
2/18/88	RWQCB Notification to INDUSTRIAL WASTE PROGRAM (copy)	LR
2/24	Called Watts kitchen - high TPH in W/O and 150 ppm PCB	DWF
2/24	Called kitchen - see Telcon	DWF
2/25	Site Visit	DWF
2/26	Call S. Rougmberger - he will want less than 50 ppm PCB	DWF
3/1	Call from Watts kitchen - progress is rapid	DWF
3/4	Rec 5 day notice	DWF
3/4	5-day OK sent 3/4	DWF
3/8	Talked to June Ullman about review timing and the process of having a site released. I indicated we must have documentation to demonstrate the site has been cleaned up to on site cleanup levels and we need copies of all manifests used to dispose of the contaminated soil	KWA
3/18	Telcon from Watts kitchen AHC see Telcon	DWF
4/11	Call Watts kitchen see Telcon - comments on 4/7 report	DWF
4/7	Rec. Report from AHC	DWF
4/13	Called kitchen, he called back - see Telcon	DWF
4/21?	Letter to Ullman. 4/15	
4/25	L.O. reviewed letter - soils PCB level in post excav has been 10 ppm not 50. Letter is changed.	DWF
4/20	Rec. revisions to AHC report of ~~April 7~~ March 29, 1988	DWF
4/26	Rec supplementary report from AHC	DWF

CITY OF SOLANA BEACH

635 SOUTH HIGHWAY 101 • SOLANA BEACH, CA 92075 • (858) 720-2400 • FAX (858) 792-6513
www.ci.solana-beach.ca.us

September 15, 2006

Brad Dales
3189-F Airway Ave.
bdales@terracon.com

Dear Brad:

We are in receipt of your letter requesting certain public records from the fire department for documents relating to 329 and 343 S. Highway 101, Solana Beach, CA and 120 and 128 Dahlia Dr.

The fire department did not locate documents for 329 S. Highway 101 or 120 and 128 Dahlia Dr. However, a document was located regarding 343 S. Highway 101. There were not any records of hazardous material responses at this address.

We did not receive a city or zip code so this response is being sent via email only. If you have specific questions regarding this search, you may contact Dismas Abelman, Deputy Fire Chief/Fire Marshal, at 858-720-2402.

Please call me if you have any other questions.

Sincerely,

Angela Ivey
City Clerk
858-720-2425
aivey@cosb.org

Last Download	02-Feb-2006	HMD ESTABLISHMENTS	
126441	JUNE & MILTON ULLMAN		INACTIVE
Tank		Property	BANK OF AMERICA NATIONAL TRUST
Owner		Owner	C/O BURR WOLFF LP
	.		. 30023

Capacity	8000 Gal	Fuel	REGULAR UNLEADED	Id#	8000
Chem	REGULAR UNLEADED				
Monitor Alt	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.				
SysType	SINGLE WALL	SysType			
TankMat	BARE STEEL	Constru			
IntCoat		PipeMat	UNKNOWN		
ExtCoat		Protect			
ATGs		Monitor	NO PIPE MONIT DEV INFO		
SpBuckt	NO SPILL BASIN	RegISt	REMOVED	02-Sep-1988	
Monitor	NO TANK MONIT DEV INFO				
Overfill	OVRFILL UNKNOWN	FinRespDt		UST #	27854

Capacity	8000 Gal	Fuel	REGULAR UNLEADED	Id#	2
Chem	REGULAR UNLEADED				
Monitor Alt	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.				
SysType	SINGLE WALL	SysType			
TankMat	BARE STEEL	Constru			
IntCoat		PipeMat	UNKNOWN		
ExtCoat		Protect			
ATGs		Monitor	NO PIPE MONIT DEV INFO		
SpBuckt	NO SPILL BASIN	RegISt	REMOVED	02-Sep-1988	
Monitor	NO TANK MONIT DEV INFO				
Overfill	OVRFILL UNKNOWN	FinRespDt		UST #	27855

Capacity	1200 Gal	Fuel	DIESEL	Id#	3
Chem	DIESEL				
Monitor Alt	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.				
SysType	SINGLE WALL	SysType			
TankMat	BARE STEEL	Constru			
IntCoat		PipeMat	UNKNOWN		
ExtCoat		Protect			
ATGs		Monitor	NO PIPE MONIT DEV INFO		
SpBuckt	NO SPILL BASIN	RegISt	REMOVED	02-Sep-1988	
Monitor	NO TANK MONIT DEV INFO				
Overfill	OVRFILL UNKNOWN	FinRespDt		UST #	27856

Capacity	500 Gal	Fuel		Id#	4
Chem	WASTE OIL				
Monitor Alt	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.				
SysType	SINGLE WALL	SysType			
TankMat	BARE STEEL	Constru			
IntCoat		PipeMat	UNKNOWN		
ExtCoat		Protect			
ATGs		Monitor	NO PIPE MONIT DEV INFO		
SpBuckt	NO SPILL BASIN	RegISt	REMOVED	02-Sep-1988	
Monitor	NO TANK MONIT DEV INFO				
Overfill	OVRFILL UNKNOWN	FinRespDt		UST #	27857

APPENDIX C

Environmental Database Information

The EDR Radius Map
with GeoCheck®

Comerica - Maganda Corporation
329 South Highway 101
Solana Beach, CA 92075

Inquiry Number: 1750156.2s

September 07, 2006

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

329 SOUTH HIGHWAY 101
SOLANA BEACH, CA 92075

COORDINATES

Latitude (North):	32.987600 - 32° 59' 15.4''
Longitude (West):	117.271000 - 117° 16' 15.6''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	474680.2
UTM Y (Meters):	3649753.8
Elevation:	71 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	N/A
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
DR. MILTON AND UNE ULLMAN 343 HWY 101 S SOLANA BEACH, CA 92075	LUST	N/A
JUNE & MILTON ULLMAN 343 HIGHWAY 101 SOLANA BEACH, CA 92075	SWEEPS UST	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL ---------- National Priority List

EXECUTIVE SUMMARY

Proposed NPL Proposed National Priority List Sites
Delisted NPL National Priority List Deletions
NPL RECOVERY Federal Superfund Liens
CERCLIS Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP CERCLIS No Further Remedial Action Planned
CORRACTS Corrective Action Report
RCRA-TSDF Resource Conservation and Recovery Act Information
RCRA-LQG Resource Conservation and Recovery Act Information
ERNS Emergency Response Notification System
HMIRS Hazardous Materials Information Reporting System
US ENG CONTROLS Engineering Controls Sites List
US INST CONTROL Sites with Institutional Controls
DOD Department of Defense Sites
FUDS Formerly Used Defense Sites
US BROWNFIELDS A Listing of Brownfields Sites
CONSENT Superfund (CERCLA) Consent Decrees
ROD Records Of Decision
UMTRA Uranium Mill Tailings Sites
ODI Open Dump Inventory
TRIS Toxic Chemical Release Inventory System
TSCA Toxic Substances Control Act
FTTS FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS Section 7 Tracking Systems
ICIS Integrated Compliance Information System
PADS PCB Activity Database System
MLTS Material Licensing Tracking System
MINES Mines Master Index File
FINDS Facility Index System/Facility Registry System
RAATS RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

HIST Cal-Sites Historical Calsites Database
CA BOND EXP. PLAN Bond Expenditure Plan
SCH School Property Evaluation Program
Toxic Pits Toxic Pits Cleanup Act Sites
SWF/LF Solid Waste Information System
CA WDS Waste Discharge System
WMUDS/SWAT Waste Management Unit Database
SWRCY Recycler Database
CA FID UST Facility Inventory Database
SLIC Statewide SLIC Cases
UST Active UST Facilities
AST Aboveground Petroleum Storage Tank Facilities
CHMIRS California Hazardous Material Incident Report System
DEED Deed Restriction Listing
VCP Voluntary Cleanup Program Properties
CLEANERS Cleaner Facilities
WIP Well Investigation Program Case List
CDL Clandestine Drug Labs
San Diego Co. HMMD Hazardous Materials Management Division Database
RESPONSE State Response Sites
HAZNET Facility and Manifest Data

EXECUTIVE SUMMARY

EMI Emissions Inventory Data

TRIBAL RECORDS

INDIAN RESERV Indian Reservations
INDIAN LUST Leaking Underground Storage Tanks on Indian Land
INDIAN UST Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations EDR Proprietary Historic Gas Stations
EDR Historical Cleaners EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL RECORDS

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store , treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/13/2006 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CA FURNITURE COLLECTIONS INC	***307 SOUTH CEDROS***	***1/8 - 1/4 NNE***	***8***	***13***

EXECUTIVE SUMMARY

STATE AND LOCAL RECORDS

CORTESE: This database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information.

A review of the Cortese list, as provided by EDR, and dated 04/01/2001 has revealed that there are 4 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
HANG-UP SQUARE	*155 HWY 101 S*	*1/4 - 1/2 N*	*11*	*16*
SOLANA BEACH TRANSIT CENTER	*105 CEDROS AVE N*	*1/4 - 1/2 N*	*D14*	*23*
BILL SMITH FOREIGN CAR	*136 N CEDROS AVE*	*1/4 - 1/2 N*	*E18*	*27*
Lower Elevation	**Address**	**Dist / Dir**	**Map ID**	**Page**
SOLANA BEACH PROPERTY	*437 HWY 101 S*	*1/4 - 1/2 S*	*19*	*33*

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 07/11/2006 has revealed that there are 8 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CBS SCIENTIFIC COMPANY INC.	*420 S CEDROS AV*	*0 - 1/8 ENE*	*5*	*9*
Facility Status: Case Closed				
HANG-UP SQUARE	*155 HWY 101 S*	*1/4 - 1/2 N*	*11*	*16*
CULLIGAN WATER CONDITIONING	*111 S CEDROS AVE*	*1/4 - 1/2 N*	*D12*	*17*
Facility Status: Leak being confirmed				
UNOCAL SERVICE STATION #7494	*101 HWY 101 S*	*1/4 - 1/2 N*	*13*	*22*
SOLANA BEACH TRANSIT CENTER	*105 CEDROS AVE N*	*1/4 - 1/2 N*	*D14*	*23*
NCTD-SOLANA BEACH STATION	*105 N CEDROS AV*	*1/4 - 1/2 N*	*D15*	*23*
Facility Status: Case Closed				
BILL SMITH FOREIGN CAR	*136 N CEDROS AVE*	*1/4 - 1/2 N*	*E18*	*27*
Facility Status: Case Closed				
Lower Elevation	**Address**	**Dist / Dir**	**Map ID**	**Page**
SOLANA BEACH PROPERTY	*437 HWY 101 S*	*1/4 - 1/2 S*	*19*	*33*

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there is 1 HIST UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
COAST PLUMBING	*509 S CEDROS AVE*	*0 - 1/8 SE*	*C7*	*13*

SWEEPS: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1980's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 6 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
ROBERT M IRISH INC	437 S HIGHWAY 101	0 - 1/8 SSE	B3	8
SOLANA BEACH PROP & S JACOBY	437 S HIGHWAY 101	0 - 1/8 SSE	B4	8
MCKENNA RF	507 S CEDROS AVE	0 - 1/8 SE	C6	12
COAST PLUMBING	***509 S CEDROS AVE***	***0 - 1/8 SE***	***C7***	***13***
E Z EQUIPMENT RENTAL CENTERS	235 S HIGHWAY 101	1/8 - 1/4 N	9	14
BILLS CAB	201 S HIGHWAY 101	1/8 - 1/4 N	10	15

NOTIFY 65: Notify 65 records contain facility notifications about any release that could impact drinking water and thereby expose the public to a potential health risk. The data come from the State Water Resources Control Board's Proposition 65 database.

A review of the Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CEDROS & LOMA SANTA FE	143 CEDROS	1/4 - 1/2 N	E17	26

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 05/10/2006 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SOLANA BEACH PLAZA Facility Status: Refer: 1248 Local Agency	124 LOMAS SANTA FE DR.	1/4 - 1/2 N	16	25

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
SOLANA BEACH AUTOMOTIVE	SWEEPS UST
NORTH COUNTY TRANSIT DISTRICT	SWEEPS UST
PHILIP D. SCHOFIELD & MARCIA S	SWEEPS UST
AM/PM MINI MARKET #704	SWEEPS UST
BEACH WALK CLEANERS	CLEANERS
SOLANA BEACH BURNSITE	SWF/LF
90927	HIST UST
SOLANO BEACH FIRE DEPT.	HIST UST
PHILIP D. SCHOFIELD & MARCIA S	HIST UST
DEL MAR DUMP	WMUDS/SWAT
SOLANO BEACH DISPOSAL SITE	WMUDS/SWAT

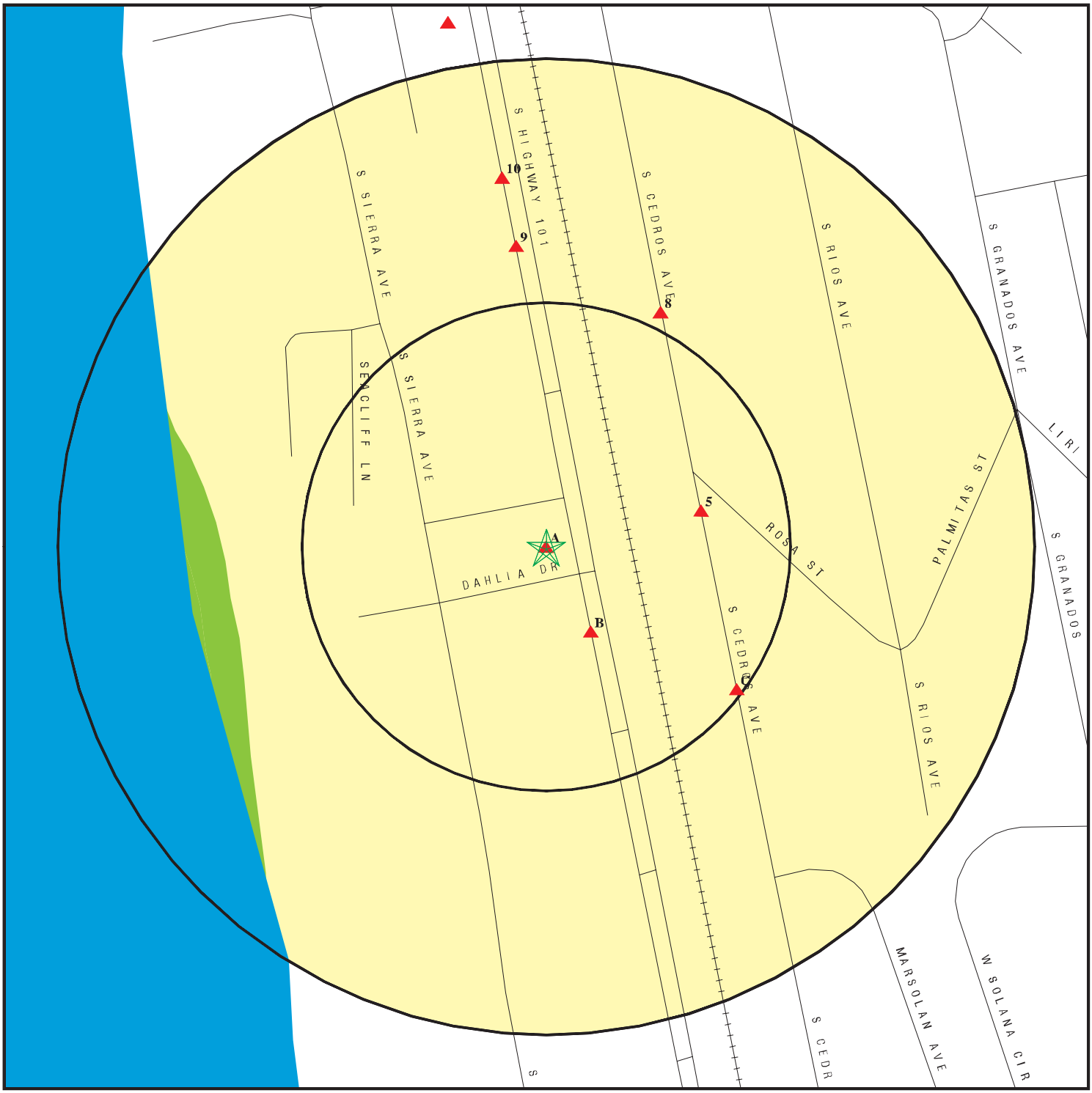
OVERVIEW MAP - 1750156.2s

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- National Wetland Inventory
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Comerica - Maganda Corporation	CLIENT:	Terracon
ADDRESS:	329 South Highway 101 Solana Beach CA 92075	CONTACT:	Brad Dales
		INQUIRY #:	1750156.2s
LAT/LONG:	32.9876 / 117.2710	DATE:	September 07, 2006 7:27 am

DETAIL MAP - 1750156.2s



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- National Wetland Inventory
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Comerica - Maganda Corporation	CLIENT: Terracon
ADDRESS: 329 South Highway 101 Solana Beach CA 92075	CONTACT: Brad Dales
LAT/LONG: 32.9876 / 117.2710	INQUIRY #: 1750156.2s DATE: September 07, 2006 7:28 am

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	0	1	NR	NR	NR	1
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
STATE AND LOCAL RECORDS								
Hist Cal-Sites		1.000	0	0	0	0	NR	0
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
SCH		0.250	0	0	NR	NR	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
Cortese		0.500	0	0	4	NR	NR	4
SWRCY		0.500	0	0	0	NR	NR	0
LUST	X	0.500	1	0	7	NR	NR	8
CA FID UST		0.250	0	0	NR	NR	NR	0
SLIC		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
HIST UST		0.250	1	0	NR	NR	NR	1

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST		0.250	0	0	NR	NR	NR	0
SWEEPS UST	X	0.250	4	2	NR	NR	NR	6
CHMIRS		TP	NR	NR	NR	NR	NR	0
Notify 65		1.000	0	0	1	0	NR	1
DEED		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
WIP		0.250	0	0	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
San Diego Co. HMMD		TP	NR	NR	NR	NR	NR	0
RESPONSE		1.000	0	0	0	0	NR	0
HAZNET		TP	NR	NR	NR	NR	NR	0
EMI		TP	NR	NR	NR	NR	NR	0
ENVIROSTOR		1.000	0	0	1	0	NR	1
TRIBAL RECORDS								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **DR. MILTON AND UNE ULLMAN** **LUST** **S102428948**
Target **343 HWY 101 S** **N/A**
Property **SOLANA BEACH, CA 92075**

Site 1 of 2 in cluster A

Actual:
72 ft.

LUST Region 9:

Case Number:	9UT911	Release Date:	02/18/1988
Local Agency:	37000		
Substance:	12035	Qty Leaked:	Not reported
Date Found:	02/09/1988	How Found:	Tank Closure
Date Stopped:	02/09/1988	How Stopped:	Close Tank
Source:	Tank	Cause:	Corrosion
Lead Agency:	Local Agency		
Status:	Case Closed		
Case Type:	Soil only		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Confirm Date:	Not reported	Submit Workplan:	Not reported
Prelim Assess:	Not reported	Desc Pollution:	Not reported
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	8/26/88	Closed Date:	8/26/88
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	H26441-001
Basin Number:	Not reported	Gwater Depth:	>10
File Dispn:	File discarded, case closed		

Interim Remedial Actions:	Yes
Beneficial Use:	Not reported
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported
NPDES Number:	Not reported

A2 **JUNE & MILTON ULLMAN** **SWEEPS UST** **S106928013**
Target **343 HIGHWAY 101** **N/A**
Property **SOLANA BEACH, CA 92075**

Site 2 of 2 in cluster A

Actual:
72 ft.

SWEEPS:

Status :	A
Comp Number :	26441
Number :	9
Board Of Equalization :	Not reported
Ref Date :	Not reported
Act Date :	06-26-92
Created Date :	02-29-88
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	Not reported
Actv Date :	Not reported
Capacity :	Not reported
Tank Use :	Not reported
Stg :	Not reported
Content :	Not reported
Number Of Tanks :	Not reported

Status :	Not reported
Comp Number :	26441
Number :	Not reported
Board Of Equalization :	Not reported

JUNE & MILTON ULLMAN (Continued) **S106928013**

Ref Date :	Not reported
Act Date :	Not reported
Created Date :	Not reported
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	37-000-026441-000001
Actv Date :	Not reported
Capacity :	8000
Tank Use :	M.V. FUEL
Stg :	PRODUCT
Content :	REG UNLEADED
Number Of Tanks :	4

Status :	Not reported
Comp Number :	26441
Number :	Not reported
Board Of Equalization :	Not reported
Ref Date :	Not reported
Act Date :	Not reported
Created Date :	Not reported
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	37-000-026441-000002
Actv Date :	Not reported
Capacity :	8000
Tank Use :	M.V. FUEL
Stg :	PRODUCT
Content :	REG UNLEADED
Number Of Tanks :	Not reported

Status :	Not reported
Comp Number :	26441
Number :	Not reported
Board Of Equalization :	Not reported
Ref Date :	Not reported
Act Date :	Not reported
Created Date :	Not reported
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	37-000-026441-000003
Actv Date :	Not reported
Capacity :	1200
Tank Use :	M.V. FUEL
Stg :	PRODUCT
Content :	OTHER
Number Of Tanks :	Not reported

Status :	Not reported
Comp Number :	26441
Number :	Not reported
Board Of Equalization :	Not reported
Ref Date :	Not reported
Act Date :	Not reported
Created Date :	Not reported
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	37-000-026441-000004

JUNE & MILTON ULLMAN (Continued) **S106928013**

Actv Date :	Not reported
Capacity :	500
Tank Use :	PETROLEUM
Stg :	PRODUCT
Content :	Not reported
Number Of Tanks :	Not reported

B3 **ROBERT M IRISH INC** **SWEEPS UST** **S106931483**
SSE **437 S HIGHWAY 101** **N/A**
< 1/8 **SOLANA BEACH, CA 92075**
259 ft.

Site 1 of 2 in cluster B

Relative: Higher

Actual: 74 ft.

SWEEPS:

Status :	Not reported
Comp Number :	22829
Number :	Not reported
Board Of Equalization :	Not reported
Ref Date :	Not reported
Act Date :	Not reported
Created Date :	Not reported
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	37-000-022829-000001
Actv Date :	Not reported
Capacity :	300
Tank Use :	PETROLEUM
Stg :	WASTE
Content :	Not reported
Number Of Tanks :	1

B4 **SOLANA BEACH PROP & S JACOBY** **SWEEPS UST** **S106932348**
SSE **437 S HIGHWAY 101** **N/A**
< 1/8 **SOLANA BEACH, CA 92075**
259 ft.

Site 2 of 2 in cluster B

Relative: Higher

Actual: 74 ft.

SWEEPS:

Status :	Not reported
Comp Number :	26485
Number :	Not reported
Board Of Equalization :	Not reported
Ref Date :	Not reported
Act Date :	Not reported
Created Date :	Not reported
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	37-000-026485-000001
Actv Date :	Not reported
Capacity :	3600
Tank Use :	M.V. FUEL
Stg :	PRODUCT
Content :	LEADED
Number Of Tanks :	4

Status :	Not reported
Comp Number :	26485
Number :	Not reported

SOLANA BEACH PROP & S JACOBY (Continued) **S106932348**

Board Of Equalization :	Not reported
Ref Date :	Not reported
Act Date :	Not reported
Created Date :	Not reported
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	37-000-026485-000002
Actv Date :	Not reported
Capacity :	500
Tank Use :	M.V. FUEL
Stg :	PRODUCT
Content :	LEADED
Number Of Tanks :	Not reported

Status :	Not reported
Comp Number :	26485
Number :	Not reported
Board Of Equalization :	Not reported
Ref Date :	Not reported
Act Date :	Not reported
Created Date :	Not reported
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	37-000-026485-000003
Actv Date :	Not reported
Capacity :	1000
Tank Use :	M.V. FUEL
Stg :	PRODUCT
Content :	LEADED
Number Of Tanks :	Not reported

Status :	Not reported
Comp Number :	26485
Number :	Not reported
Board Of Equalization :	Not reported
Ref Date :	Not reported
Act Date :	Not reported
Created Date :	Not reported
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	37-000-026485-000004
Actv Date :	Not reported
Capacity :	3600
Tank Use :	M.V. FUEL
Stg :	PRODUCT
Content :	LEADED
Number Of Tanks :	Not reported

---

5 **CBS SCIENTIFIC COMPANY INC.** **LUST** **S100727864**
ENE **420 S CEDROS AV** **San Diego Co. HMMD** **N/A**
< 1/8 **SOLANA BEACH, CA 92075**
431 ft.

Relative:
Higher

Actual:
82 ft.

State LUST:

Cross Street:	Not reported
Qty Leaked:	Not reported
Case Number	Not reported
Reg Board:	San Diego Region
Chemical:	0

CBS SCIENTIFIC COMPANY INC. (Continued) **S100727864**

Lead Agency: Local Agency
Local Agency : 37000L
Case Type: Soil only
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1992-02-03 00:00:00
Release Date: 1992-02-03 00:00:00
Cleanup Fund Id : Not reported
Discover Date : 1992-02-03 00:00:00
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : Not reported
Funding: Not reported
Staff Initials: LB
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : H09505-001
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: Not reported
Operator : Not reported
Oversight Prgm: LOCNL
Review Date : Not reported
Stop Date : Not reported
Work Suspended : Not reported
Responsible Party SEAN MACLOED
RP Address: P.O. BOX 3890
Global Id: T0608199980
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

HMMD:
Facility ID: 109505
Inactive Indicator: Active
SIC: Not reported
Owner: Not reported

Business Code: 6HK67
Permit Expiration: Not reported
2nd Name: Not reported

CBS SCIENTIFIC COMPANY INC. (Continued) **S100727864**

Mailing Address: DEL MAR
CA
92014
Corporate Code: Not reported
Census Tract #: 173
Inspection Date: 01/04/05
Inspector Name: MMANN
Facility Contact: DR. CHUCK SCOTT
Property Owner: SOUTH CEDROS ASSOCIATES
PO Address: 92075
Tank Owner: Not reported
TO Address: Not reported
Last Update: 05/10/05
Fire Dept District: Solana Beach
EPA ID: CAD070532171
Reinspection Date: Not reported
Gas Station: Not reported
Delinquent Flag: Not Delinquent
Facility Phone : 858-755-4959
Last Delinquent Letter: Not reported
Last Letter Type: Not reported
Violation Notice Issued: Not reported
Map Code/Business Plan on File: Not reported
Business Plan Acceptance Date: Not reported
Reinspection Date Y2K Compatible: 07/04/06

HMMD DISCLOSURE INVENTORY:

Chemical Name: HYDROGEN
Case Number: 133-74-0
Item Number: HY64
Stored at 1 Time: Not reported
Measurement Units: Not reported
Carcinogen: No
Annual Qty String: Not reported
Quantity Stored At One Time: Not reported
Annual Quantity String: Not reported
1st Hazard Category: FIRE
2nd Hazard Category: PRESSURE R

Chemical Name: NAPTHA
Case Number: 8030-31-7
Item Number: NA61
Stored at 1 Time: Not reported
Measurement Units: Not reported
Carcinogen: No
Annual Qty String: Not reported
Quantity Stored At One Time: Not reported
Annual Quantity String: Not reported
1st Hazard Category: FIRE
2nd Hazard Category: ACUTE

Chemical Name: OXYGEN
Case Number: 7782-44-7
Item Number: OX63
Stored at 1 Time: Not reported
Measurement Units: Not reported
Carcinogen: No
Annual Qty String: Not reported
Quantity Stored At One Time: Not reported
Annual Quantity String: Not reported
1st Hazard Category: PRESSURE RELEASE
2nd Hazard Category: Not reported

Chemical Name: POLYMERIC DIPHENYLMETHANE DIISOCYANATE: INSTAFILL PART A
Case Number: 9016-87-9
Item Number: PO62
Stored at 1 Time: Not reported

CBS SCIENTIFIC COMPANY INC. (Continued) **S100727864**

Measurement Units: Not reported
Carcinogen: No
Annual Qty String: Not reported
Quantity Stored At One Time: Not reported
Annual Quantity String: Not reported
1st Hazard Category: REACTIVE
2nd Hazard Category: ACUTE

HMMD UNDERGROUND TANKS:
Tank Number: Not reported
Tank ID Number: Not reported
Capacity (Gal): Not reported
Tank Exempt: Not reported
Waste or Product: Not reported
Tank Contents: Not reported

HMMD WASTE STREAMS:
Inspection Date: Not reported
Waste Item #: Not reported
Waste Code: Not reported
Waste Name: Not reported
Qnty at Inspection: Not reported
Annual Quantity: Not reported
Measurement Unit: Not reported
Treatment Method: Not reported
Storage Method: Not reported
Waste Description: Not reported
Haz Waste Hauler: Not reported
Carcinogen: No
Carcinogen: No
Annual Qty String: Not reported
Quantity String: Not reported

HMMD VIOLATIONS:
Inspection Date: 07/14/98
Occurrences: Not reported
Waste Code: Not reported
Type of Violation: 6HV1097
Violation Description: HMBP: NO EMPLOYEE TRAINING PROGRAM

Inspection Date: 04/03/00
Occurrences: Not reported
Waste Code: Not reported
Type of Violation: 6HV0401
Violation Description: TRAINING RECORDS UNAVAILABLE

Inspection Date: 01/16/02
Occurrences: Not reported
Waste Code: Not reported
Type of Violation: 6HV0402
Violation Description: TRAINING PROGRAM NOT ADEQUATE

Click this hyperlink while viewing on your computer to access additional CA HMMD detail in the EDR Site Report.

C6 **MCKENNA RF** **SWEEPS UST** **S106929275**
SE **507 S CEDROS AVE** **N/A**
< 1/8 **SOLANA BEACH, CA 92075**
644 ft.

Site 1 of 2 in cluster C

Relative:
Higher

Actual:
88 ft.

SWEEPS:
Status : A
Comp Number : 5391
Number : 9
Board Of Equalization : 44-022216
Ref Date : Not reported
Act Date : 06-26-92
Created Date : 02-29-88
Tank Status : A
Owner Tank Id : Not reported
Swrcb Tank Id : 37-000-005391-000001
Actv Date : Not reported

MCKENNA RF (Continued) **S106929275**

Capacity : 550
Tank Use : M.V. FUEL
Stg : P
Content : REG UNLEADED
Number Of Tanks : 1

C7 **COAST PLUMBING** **HIST UST** **U001572306**
SE **509 S CEDROS AVE** **SWEEPS UST** **N/A**
< 1/8 **SOLANA BEACH, CA 92075**
651 ft.

Site 2 of 2 in cluster C

Relative: Higher

Actual: 88 ft.

UST HIST:

Facility ID:	4382	Owner Name:	COAST PLUMBING
Total Tanks:	1	Region:	STATE
Owner Address:	509 SO. CEDRUS AVE SOLANA BEACH, CA 92075		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	1
Tank Capacity:	00000000	Year Installed:	1978
Type of Fuel:	UNLEADED	Tank Construction:	1/4" inches
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(619) 436-4567
Facility Type:	Other	Other Type:	PLUMBING CO.

SWEEPS:

Status : A
Comp Number : 16352
Number : 9
Board Of Equalization : 44-022952
Ref Date : Not reported
Act Date : 06-26-92
Created Date : 02-29-88
Tank Status : A
Owner Tank Id : Not reported
Swrcb Tank Id : 37-000-016352-000001
Actv Date : Not reported
Capacity : 1000
Tank Use : M.V. FUEL
Stg : P
Content : REG UNLEADED
Number Of Tanks : 1

---

8 **CA FURNITURE COLLECTIONS INC** **RCRA-SQG** **1000231090**
NNE **307 SOUTH CEDROS** **FINDS** **CAD982497943**
1/8-1/4 **SOLANA BEACH, CA 92075** **HAZNET**
706 ft.

Relative: Higher

Actual: 80 ft.

CA FURNITURE COLLECTIONS INC (Continued) **1000231090**

RCRAInfo:
Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD982497943

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:
Gepaid: CAL000289153
TSD EPA ID: CAD000088252
Gen County: San Diego
Tsd County: Los Angeles
Tons: 1.9390
Facility Address 2: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Contact: Not reported
Telephone: (000) 000-0000
Mailing Name: Not reported
Mailing Address: 307 SOUTH CEDROS
SOLANA BEACH, CA 92075
County San Diego

---

9 **E Z EQUIPMENT RENTAL CENTERS** **SWEEPS UST** **S106925593**
North **235 S HIGHWAY 101** **N/A**
1/8-1/4 **SOLANA BEACH, CA 92075**
817 ft.

Relative:
Equal

Actual:
71 ft.

SWEEPS:
Status : A
Comp Number : 5408
Number : 9
Board Of Equalization : 44-022222
Ref Date : Not reported
Act Date : 06-26-92
Created Date : 02-29-88
Tank Status : Not reported
Owner Tank Id : Not reported
Swrcb Tank Id : Not reported
Actv Date : Not reported
Capacity : Not reported
Tank Use : Not reported
Stg : Not reported
Content : Not reported
Number Of Tanks : Not reported

Status : Not reported

E Z EQUIPMENT RENTAL CENTERS (Continued) **S106925593**

Comp Number :	5408
Number :	Not reported
Board Of Equalization :	44-022222
Ref Date :	Not reported
Act Date :	Not reported
Created Date :	Not reported
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	37-000-005408-000001
Actv Date :	Not reported
Capacity :	550
Tank Use :	M.V. FUEL
Stg :	PRODUCT
Content :	LEADED
Number Of Tanks :	2

Status :	Not reported
Comp Number :	5408
Number :	Not reported
Board Of Equalization :	44-022222
Ref Date :	Not reported
Act Date :	Not reported
Created Date :	Not reported
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	37-000-005408-000002
Actv Date :	Not reported
Capacity :	550
Tank Use :	M.V. FUEL
Stg :	PRODUCT
Content :	OTHER
Number Of Tanks :	Not reported

---

10 **BILLS CAB** **SWEEPS UST** **S106923355**
North **201 S HIGHWAY 101** **N/A**
1/8-1/4 **SOLANA BEACH, CA 92075**
1005 ft.

Relative: **Equal**

Actual: **71 ft.**

SWEEPS:

Status :	Not reported
Comp Number :	10462
Number :	Not reported
Board Of Equalization :	44-022549
Ref Date :	Not reported
Act Date :	Not reported
Created Date :	Not reported
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	37-000-010462-000001
Actv Date :	Not reported
Capacity :	600
Tank Use :	M.V. FUEL
Stg :	PRODUCT
Content :	REG UNLEADED
Number Of Tanks :	4

Status :	Not reported
Comp Number :	10462
Number :	Not reported

BILLS CAB (Continued) **S106923355**

Board Of Equalization :	44-022549
Ref Date :	Not reported
Act Date :	Not reported
Created Date :	Not reported
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	37-000-010462-000002
Actv Date :	Not reported
Capacity :	600
Tank Use :	M.V. FUEL
Stg :	PRODUCT
Content :	LEADED
Number Of Tanks :	Not reported

Status :	Not reported
Comp Number :	10462
Number :	Not reported
Board Of Equalization :	44-022549
Ref Date :	Not reported
Act Date :	Not reported
Created Date :	Not reported
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	37-000-010462-000003
Actv Date :	Not reported
Capacity :	550
Tank Use :	M.V. FUEL
Stg :	PRODUCT
Content :	LEADED
Number Of Tanks :	Not reported

Status :	Not reported
Comp Number :	10462
Number :	Not reported
Board Of Equalization :	44-022549
Ref Date :	Not reported
Act Date :	Not reported
Created Date :	Not reported
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	37-000-010462-000004
Actv Date :	Not reported
Capacity :	550
Tank Use :	M.V. FUEL
Stg :	PRODUCT
Content :	OTHER
Number Of Tanks :	Not reported

11 **HANG-UP SQUARE** **LUST** **S101302266**
North **155 HWY 101 S** **Cortese** **N/A**
1/4-1/2 **SOLANA BEACH, CA 92075**
1442 ft.

Relative:
Equal

Actual:
71 ft.

HANG-UP SQUARE (Continued) **S101302266**

LUST Region 9:

Case Number:	9UT2666	Release Date:	01/27/1994
Local Agency:	37000		
Substance:	12035	Qty Leaked:	Not reported
Date Found:	10/26/1993	How Found:	Tank Closure
Date Stopped:	10/26/1993	How Stopped:	Other Means
Source:	Tank	Cause:	Corrosion
Lead Agency:	Local Agency		
Status:	Case Closed		
Case Type:	Soil only		
Confirm Date:	Not reported	Submit Workplan:	Not reported
Prelim Assess:	Not reported	Desc Pollution:	Not reported
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	1/30/97	Closed Date:	1/30/97
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	H32969-001
Basin Number:	905.11	Gwater Depth:	Not reported
File Dispn:	File discarded, case closed		

Interim Remedial Actions:	Not reported
Beneficial Use:	NBNOC
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported
NPDES Number:	Not reported

CORTESE:

Region:	CORTESE
Fac Address 2:	155 HWY 101 S

D12 **CULLIGAN WATER CONDITIONING** **LUST** **U001572307**
North **111 S CEDROS AVE** **UST** **N/A**
1/4-1/2 **SOLANA BEACH, CA 92075** **San Diego Co. HMMD**
1559 ft. **HIST UST**
SWEEPS UST

Site 1 of 3 in cluster D

Relative: Equal

Actual: 71 ft.

State LUST:

Cross Street:	Not reported		
Qty Leaked:	Not reported		
Case Number	Not reported		
Reg Board:	San Diego Region		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Local Agency :	37000L		
Case Type:	Undefined		
Status:	**Leak being confirmed**		
Review Date:	1995-04-03 00:00:00	Confirm Leak:	1995-04-03 00:00:00
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	Not reported		
Release Date:	1995-04-03 00:00:00		
Cleanup Fund Id :	Not reported		
Discover Date :	1995-04-03 00:00:00		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	Not reported		
Funding:	Not reported		
Staff Initials:	UU		

CULLIGAN WATER CONDITIONING (Continued) **U001572307**

How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: 10
Local Case # : H05381-001
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: Not reported
Operator : Not reported
Oversight Prgm: LOCNL
Review Date : Not reported
Stop Date : Not reported
Work Suspended :Not reported
Responsible PartyNot reported
RP Address: Not reported
Global Id: T0608179436
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

State UST:
Facility ID: H05381
Region: STATE
Local Agency: 37000L

HMMD:
Facility ID: 105381
Inactive Indicator: Inactive
SIC: Not reported
Owner: Not reported
Mailing Address: CARLSBAD
CA
92008
Corporate Code: Not reported
Census Tract #: 173
Inspection Date: Not reported
Inspector Name: Not reported
Facility Contact: Not reported
Property Owner: WOOD JUNE
PO Address: 92023
Tank Owner: Not reported
TO Address: Not reported
Last Update: 05/10/05
Business Code: 6HK03
Permit Expiration: Not reported
2nd Name: Not reported
Fire Dept District: Not reported
EPA ID: Not reported
Reinspection Date: Not reported
Gas Station: Not reported
Delinquent Flag: Not Delinquent
Facility Phone : 619-755-9733

CULLIGAN WATER CONDITIONING (Continued) **U001572307**

Last Delinquent Letter: Not reported
Last Letter Type: Not reported
Violation Notice Issued: Not reported
Map Code/Business Plan on File: Not reported
Business Plan Acceptance Date: Not reported
Reinspection Date Y2K Compatible: Not reported

HMMD DISCLOSURE INVENTORY:
Chemical Name: Not reported
Case Number: Not reported
Item Number: Not reported
Stored at 1 Time: Not reported
Measurement Units: Not reported
Carcinogen: No
Annual Qty String: Not reported
Quantity Stored At One Time: Not reported
Annual Quantity String: Not reported
1st Hazard Category: Not reported
2nd Hazard Category: Not reported

HMMD UNDERGROUND TANKS:
Tank Number: T001
Tank ID Number: 1
Capacity (Gal): 280
Tank Exempt: Not reported
Waste or Product: Not reported
Tank Contents: LEADED

Tank Number: T002
Tank ID Number: Not reported
Capacity (Gal): 500
Tank Exempt: Not reported
Waste or Product: Not reported
Tank Contents: LEADED

Tank Number: T003
Tank ID Number: 002
Capacity (Gal): 280
Tank Exempt: Not reported
Waste or Product: Not reported
Tank Contents: LEADED

Tank Number: T004
Tank ID Number: 00004
Capacity (Gal): 12000
Tank Exempt: Not reported
Waste or Product: Not reported
Tank Contents: REGULAR UNLEADED

Tank Number: T005
Tank ID Number: 00005
Capacity (Gal): 12000
Tank Exempt: Not reported
Waste or Product: Not reported
Tank Contents: LEADED

Tank Number: T006
Tank ID Number: 00006
Capacity (Gal): 12000
Tank Exempt: Not reported
Waste or Product: Not reported
Tank Contents: Not reported

HMMD WASTE STREAMS:
Inspection Date: Not reported
Waste Item #: Not reported
Waste Code: Not reported
Waste Name: Not reported
Qnty at Inspection: Not reported
Annual Quantity: Not reported
Measurement Unit: Not reported
Treatment Method: Not reported
Storage Method: Not reported
Waste Description: Not reported
Haz Waste Hauler: Not reported
Carcinogen: No
Carcinogen: No
Annual Qty String: Not reported
Quantity String: Not reported

HMMD VIOLATIONS:
Inspection Date: Not reported
Occurrences: Not reported
Waste Code: Not reported
Type of Violation: Not reported

CULLIGAN WATER CONDITIONING (Continued) **U001572307**

Violation Description:

Click this hyperlink while viewing on your computer to access additional CA HMMD detail in the EDR Site Report.

UST HIST:

Facility ID:	24504	Owner Name:	JIM & JANE KING, INC.
Total Tanks:	1	Region:	STATE
Owner Address:	111 S. CEDROS AVE. SOLANA BEACH, CA 92075		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	1
Tank Capacity:	00000280	Year Installed:	Not reported
Type of Fuel:	REGULAR	Tank Construction:	12 gauge
Leak Detection:	Visual		
Contact Name:	JAMES D. KING	Telephone:	(619) 755-9733
Facility Type:	Other	Other Type:	WATER CONDITIONING

SWEEPS:

Status :	Not reported
Comp Number :	5381
Number :	Not reported
Board Of Equalization :	44-022212
Ref Date :	Not reported
Act Date :	Not reported
Created Date :	Not reported
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	37-000-005381-000001
Actv Date :	Not reported
Capacity :	280
Tank Use :	M.V. FUEL
Stg :	PRODUCT
Content :	LEADED
Number Of Tanks :	6

Status :	Not reported
Comp Number :	5381
Number :	Not reported
Board Of Equalization :	44-022212
Ref Date :	Not reported
Act Date :	Not reported
Created Date :	Not reported
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	37-000-005381-000002
Actv Date :	Not reported
Capacity :	500
Tank Use :	M.V. FUEL
Stg :	PRODUCT
Content :	LEADED
Number Of Tanks :	Not reported

Status :	Not reported
Comp Number :	5381
Number :	Not reported
Board Of Equalization :	44-022212
Ref Date :	Not reported

CULLIGAN WATER CONDITIONING (Continued) **U001572307**

Act Date :	Not reported
Created Date :	Not reported
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	37-000-005381-000003
Actv Date :	Not reported
Capacity :	280
Tank Use :	M.V. FUEL
Stg :	PRODUCT
Content :	LEADED
Number Of Tanks :	Not reported

Status :	Not reported
Comp Number :	5381
Number :	Not reported
Board Of Equalization :	44-022212
Ref Date :	Not reported
Act Date :	Not reported
Created Date :	Not reported
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	37-000-005381-000004
Actv Date :	Not reported
Capacity :	12000
Tank Use :	M.V. FUEL
Stg :	PRODUCT
Content :	REG UNLEADED
Number Of Tanks :	Not reported

Status :	Not reported
Comp Number :	5381
Number :	Not reported
Board Of Equalization :	44-022212
Ref Date :	Not reported
Act Date :	Not reported
Created Date :	Not reported
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	37-000-005381-000005
Actv Date :	Not reported
Capacity :	12000
Tank Use :	M.V. FUEL
Stg :	PRODUCT
Content :	LEADED
Number Of Tanks :	Not reported

Status :	Not reported
Comp Number :	5381
Number :	Not reported
Board Of Equalization :	44-022212
Ref Date :	Not reported
Act Date :	Not reported
Created Date :	Not reported
Tank Status :	Not reported
Owner Tank Id :	Not reported
Swrcb Tank Id :	37-000-005381-000006
Actv Date :	Not reported

CULLIGAN WATER CONDITIONING (Continued) **U001572307**

Capacity : 12000
Tank Use : PETROLEUM
Stg : WASTE
Content : Not reported
Number Of Tanks : Not reported

---

13 **UNOCAL SERVICE STATION #7494** **HAZNET** **S101302265**
North **101 HWY 101 S** **LUST** **N/A**
1/4-1/2 **SOLANA BEACH, CA 92075**
1564 ft.

Relative:
Equal

Actual:
71 ft.

HAZNET:
Gepaid: CAL000046689
TSD EPA ID: CAT080013352
Gen County: San Diego
Tsd County: Los Angeles
Tons: 1.0425
Facility Address 2: Not reported
Waste Category: Tank bottom waste
Disposal Method: Recycler
Contact: UNION OIL COMPANY OF CALIFORNI
Telephone: (714) 428-6560
Mailing Name: Not reported
Mailing Address: PO BOX 25376
SANTA ANA, CA 92799 - 5376
County San Diego

LUST Region 9:

Case Number:	9UT2356	Release Date:	11/09/1992
Local Agency:	37000		
Substance:	8006619	Qty Leaked:	Not reported
Date Found:	07/28/1992	How Found:	Not reported
Date Stopped:	/ /	How Stopped:	Not reported
Source:	Piping	Cause:	Unknown
Lead Agency:	Local Agency		
Status:	Case Closed		
Case Type:	Other ground water affected		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Confirm Date:	Not reported	Submit Workplan:	Not reported
Prelim Assess:	Not reported	Desc Pollution:	Not reported
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	5/26/95	Closed Date:	5/26/95
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	H05731-001
Basin Number:	905.11	Gwater Depth:	27'
File Dispn:	File discarded, case closed		

Interim Remedial Actions: No
Beneficial Use: NBNOC
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported
NPDES Number: Not reported

D14
North
1/4-1/2
1630 ft.

Relative:
Equal

Actual:
71 ft.

SOLANA BEACH TRANSIT CENTER
105 CEDROS AVE N
SOLANA BEACH, CA 92075

LUST **S102437719**
Cortese **N/A**

Site 2 of 3 in cluster D

LUST Region 9:

Case Number:	9UT2956	Release Date:	11/10/1994
Local Agency:	37000		
Substance:	8006619	Qty Leaked:	0
Date Found:	11/10/1994	How Found:	Tank Closure
Date Stopped:	11/10/1994	How Stopped:	Close Tank
Source:	Unknown	Cause:	Unknown
Lead Agency:	Local Agency		
Status:	Case Closed		
Case Type:	Soil only		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Confirm Date:	Not reported	Submit Workplan:	Not reported
Prelim Assess:	Not reported	Desc Pollution:	Not reported
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	2/15/95	Closed Date:	2/15/95
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	H03700-001
Basin Number:	905.11	Gwater Depth:	58'
File Dispn:	File discarded, case closed		

Interim Remedial Actions:	Yes
Beneficial Use:	NBN
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported
NPDES Number:	Not reported

CORTESE:

Region:	CORTESE
Fac Address 2:	Not reported

D15
North
1/4-1/2
1630 ft.

Relative:
Equal

Actual:
71 ft.

NCTD-SOLANA BEACH STATION
105 N CEDROS AV
SOLANA BEACH, CA 92069

LUST **S103547172**
San Diego Co. HMMD **N/A**

Site 3 of 3 in cluster D

State LUST:

Cross Street:	Not reported		
Qty Leaked:	Not reported		
Case Number	9UT2956		
Reg Board:	San Diego Region		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Local Agency :	37000L		
Case Type:	Soil only		
Status:	**Case Closed**		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	1994-11-10 00:00:00		
Release Date:	1994-11-10 00:00:00		
Cleanup Fund Id :	Not reported		

NCTD-SOLANA BEACH STATION (Continued) **S103547172**

Discover Date : 1994-11-10 00:00:00
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : Not reported
Funding: Not reported
Staff Initials: JS
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: 7
Local Case # : H03700-001
Beneficial: MUN,AGR,IND,REC-1,REC-2,WARM,WILD
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: 905.11
Operator : Not reported
Oversight Prgm: LUST
Review Date : Not reported
Stop Date : 1994-11-10 00:00:00
Work Suspended : Not reported
Responsible Party RALPH HAWKINSON
RP Address: 311 S TREMONT DR
Global Id: T0607301723
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

HMMD:

Facility ID:	103700		
Inactive Indicator:	Inactive	Business Code:	Not reported
SIC:	Not reported	Permit Expiration:	Not reported
Owner:	Not reported	2nd Name:	Not reported
Mailing Address:	Not reported		
Corporate Code:	Not reported	Fire Dept District:	Not reported
Census Tract #:	173	EPA ID:	Not reported
Inspection Date:	Not reported	Reinspection Date:	Not reported
Inspector Name:	Not reported	Gas Station:	Not reported
Facility Contact:	Not reported	Delinquent Flag:	Not Delinquent
Property Owner:	NORTH SAN DIEGO COUNTY TRANSIT		
PO Address:	00000		
Tank Owner:	Not reported	Facility Phone :	
TO Address:	Not reported		
Last Update:	05/10/05		
Last Delinquent Letter:	Not reported		

NCTD-SOLANA BEACH STATION (Continued) **S103547172**

Last Letter Type: Not reported
Violation Notice Issued: Not reported
Map Code/Business Plan on File: Not reported
Business Plan Acceptance Date: Not reported
Reinspection Date Y2K Compatible: Not reported

HMMD DISCLOSURE INVENTORY:
Chemical Name: Not reported
Case Number: Not reported
Item Number: Not reported
Stored at 1 Time: Not reported
Measurement Units: Not reported
Carcinogen: No
Annual Qty String: Not reported
Quantity Stored At One Time: Not reported
Annual Quantity String: Not reported
1st Hazard Category: Not reported
2nd Hazard Category: Not reported

HMMD UNDERGROUND TANKS:
Tank Number: T001
Tank ID Number: 001
Capacity (Gal): 1000
Tank Exempt: Not reported
Waste or Product: Not reported
Tank Contents: LEADED

Tank Number: T002
Tank ID Number: at4202
Capacity (Gal): 300
Tank Exempt: Not reported
Waste or Product: Not reported
Tank Contents: MIDGRADE UNLEADED

HMMD WASTE STREAMS:
Inspection Date: Not reported
Waste Item #: Not reported
Waste Code: Not reported
Waste Name: Not reported
Qnty at Inspection: Not reported
Annual Quantity: Not reported
Measurement Unit: Not reported
Treatment Method: Not reported
Storage Method: Not reported
Waste Description: Not reported
Haz Waste Hauler: Not reported
Carcinogen: No
Carcinogen: No
Annual Qty String: Not reported
Quantity String: Not reported

HMMD VIOLATIONS:
Inspection Date: Not reported
Occurrences: Not reported
Waste Code: Not reported
Type of Violation: Not reported
Violation Description:

Click this hyperlink while viewing on your computer to access additional CA HMMD detail in the EDR Site Report.

16
North
1/4-1/2
1661 ft.

SOLANA BEACH PLAZA
124 LOMAS SANTA FE DR.
SOLANA BEACH, CA 92075

ENVIROSTOR **S106797737**
N/A

Relative:
Higher

Actual:
78 ft.

CA ENVIROSTOR:
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
APN: NONE SPECIFIED
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported

SOLANA BEACH PLAZA (Continued) **S106797737**

Supervisor:	Not reported
Division Branch:	So Cal - Cypress
Envirostor ID:	37720034
Site Code:	Not reported
Assembly:	74
Senate:	38
Special Program:	Not reported
Status:	**Refer: 1248 Local Agency**
Status Date:	2001-11-06 00:00:00
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Meda Affected:	NONE SPECIFIED
Restricted Use:	NO
Site Mgmt. Req.:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	0
Longitude:	0

CA ENVIROSTOR ALIAS:

Alias Type:	Calsites ID Number
Alias Project Name:	37720034

CA ENVIROSTOR COMPLETE:

Area Name:	Not reported
Sub Area Name:	Not reported
Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported

CA ENVIROSTOR FUTURE:

Area Name:	Not reported
Sub Area Name:	Not reported
Document Type:	Not reported
Due Date:	Not reported

CA ENVIROSTOR SCHEDULE:

Area Name:	Not reported
Sub Area Name:	Not reported
Document Type:	Not reported
Due Date:	Not reported
Revised Date:	Not reported

E17 **CEDROS & LOMA SANTA FE** **Notify 65** **S100178317**
North **143 CEDROS** **N/A**
1/4-1/2 **SOLANA BEACH, CA 92075**
1745 ft.

Site 1 of 2 in cluster E

Relative: Equal

Actual: 71 ft.

NOTIFY 65:

Date Reported:	Not reported	Staff Initials: Not reported
Board File Number:	Not reported	
Facility Type:	Not reported	
Discharge Date:	Not reported	
Incident Description:	92075	

E18
North
1/4-1/2
1814 ft.

Relative:
Higher

Actual:
72 ft.

BILL SMITH FOREIGN CAR
136 N CEDROS AVE
SOLANA BEACH, CA 92075

Site 2 of 2 in cluster E

Database(s): RCRA-SQG, FINDS, HAZNET, LUST, Cortese, San Diego Co. HMMD

EDR ID Number: 1000275028
EPA ID Number: CAD981370489

RCRAInfo:
Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD981370489

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 262.10-12.A
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 11/20/1992
Actual Date Achieved Compliance: 11/20/1997

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19971120

FINDS:
Other Pertinent Environmental Activity Identified at Site:
California - Hazardous Waste Tracking System - Datamart

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:
Gepaid: CAD981370489
TSD EPA ID: CAT080011059
Gen County: San Diego
Tsd County: Los Angeles
Tons: .0000
Facility Address 2: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Not reported
Contact: FRED SCHONEMAN, PRESIDENT
Telephone: (000) 000-0000
Mailing Name: Not reported
Mailing Address: 136 N CEDROS AVE
SOLANA BEACH, CA 92075
County San Diego

BILL SMITH FOREIGN CAR (Continued) **1000275028**

Gepaid: CAD981370489
TSD EPA ID: CAT080011059
Gen County: San Diego
Tsd County: Los Angeles
Tons: .4587
Facility Address 2: Not reported
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Not reported
Contact: FRED SCHONEMAN, PRESIDENT
Telephone: (000) 000-0000
Mailing Name: Not reported
Mailing Address: 136 N CEDROS AVE
SOLANA BEACH, CA 92075
County San Diego

Gepaid: CAD981370489
TSD EPA ID: CAT080013352
Gen County: San Diego
Tsd County: Los Angeles
Tons: .9174
Facility Address 2: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Contact: FRED SCHONEMAN, PRESIDENT
Telephone: (000) 000-0000
Mailing Name: Not reported
Mailing Address: 136 N CEDROS AVE
SOLANA BEACH, CA 92075
County San Diego

Gepaid: CAD981370489
TSD EPA ID: CAT080025711
Gen County: San Diego
Tsd County: San Bernardino
Tons: .0000
Facility Address 2: Not reported
Waste Category:
Disposal Method: Recycler
Contact: FRED SCHONEMAN, PRESIDENT
Telephone: (000) 000-0000
Mailing Name: Not reported
Mailing Address: 136 N CEDROS AVE
SOLANA BEACH, CA 92075
County San Diego

Gepaid: CAD981370489
TSD EPA ID: CAT080025711
Gen County: San Diego
Tsd County: San Bernardino
Tons: .0000
Facility Address 2: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: FRED SCHONEMAN, PRESIDENT
Telephone: (000) 000-0000
Mailing Name: Not reported
Mailing Address: 136 N CEDROS AVE
SOLANA BEACH, CA 92075

BILL SMITH FOREIGN CAR (Continued) **1000275028**

County San Diego

Click this hyperlink while viewing on your computer to access
13 additional CA HAZNET record(s) in the EDR Site Report.

State LUST:

Cross Street:	Not reported		
Qty Leaked:	Not reported		
Case Number	9UT1110		
Reg Board:	San Diego Region		
Chemical:	Waste Oil		
Lead Agency:	Local Agency		
Local Agency :	37000L		
Case Type:	Soil only		
Status:	**Case Closed**		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	1988-12-16 00:00:00		
Release Date:	1988-12-16 00:00:00		
Cleanup Fund Id :	Not reported		
Discover Date :	1988-12-16 00:00:00		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	Not reported		
Funding:	Not reported		
Staff Initials:	SP		
How Discovered:	Not reported		
How Stopped:	Not reported		
Interim :	Not reported		
Leak Cause:	Not reported		
Leak Source:	Not reported		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	Not Required to be Tested.		
Priority:	7		
Local Case # :	H12335-001		
Beneficial:	Not reported		
Staff :	UNK		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	Not reported		
Operator :	Not reported		
Oversight Prgm:	LUST		
Review Date :	Not reported		
Stop Date :	1988-12-16 00:00:00		
Work Suspended :	Not reported		
Responsible Party	WILLIAM SMITH		
RP Address:	136 N CEDROS AV		
Global Id:	T0607300118		
Org Name:	Not reported		
Contact Person:	Not reported		
MTBE Conc:	0		
Mtbe Fuel:	0		
Water System Name:	Not reported		

BILL SMITH FOREIGN CAR (Continued) **1000275028**

Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : Not reported

LUST Region 9:

Case Number:	9UT1110	Release Date:	12/16/1988
Local Agency:	37000		
Substance:	12035	Qty Leaked:	Not reported
Date Found:	12/16/1988	How Found:	Tank Closure
Date Stopped:	12/16/1988	How Stopped:	Close Tank
Source:	Tank	Cause:	Structure Failure
Lead Agency:	Local Agency		
Status:	Case Closed		
Case Type:	Soil only		
Confirm Date:	Not reported	Submit Workplan:	Not reported
Prelim Assess:	Not reported	Desc Pollution:	Not reported
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	3/6/89	Closed Date:	3/6/89
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	H12335-001
Basin Number:	Not reported	Gwater Depth:	gt.6
File Dispn:	File discarded, case closed		

Interim Remedial Actions: Yes
Beneficial Use: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported
NPDES Number: Not reported

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

HMMD:

Facility ID:	112335		
Inactive Indicator:	Active	Business Code:	6HK26
SIC:	Not reported	Permit Expiration:	Not reported
Owner:	Not reported	2nd Name:	Not reported
Mailing Address:	SOLANA BEACH CA 92075		
Corporate Code:	Not reported	Fire Dept District:	Solana Beach
Census Tract #:	173	EPA ID:	CAD981370489
Inspection Date:	01/04/05	Reinspection Date:	Not reported
Inspector Name:	MMANN	Gas Station:	Not reported
Facility Contact:	LORI BREEN	Delinquent Flag:	Not Delinquent
Property Owner:	OZAWA FARMS INC <DBA J&T INVES		
PO Address:	92867		
Tank Owner:	WILLIAM C SMITH	Facility Phone :	858-755-5141
TO Address:	92073		
Last Update:	05/10/05		

Last Delinquent Letter: Not reported
Last Letter Type: Not reported
Violation Notice Issued: Not reported
Map Code/Business Plan on File: Not reported
Business Plan Acceptance Date: Not reported
Reinspection Date Y2K Compatible: 07/04/06

BILL SMITH FOREIGN CAR (Continued) **1000275028**

HMMD DISCLOSURE INVENTORY:
Chemical Name: LUBRICATING OIL
Case Number: 8002-05-9
Item Number: LU04
Stored at 1 Time: Not reported
Measurement Units: Not reported
Carcinogen: No
Annual Qty String: Not reported
Quantity Stored At One Time: Not reported
Annual Quantity String: Not reported
1st Hazard Category: FIRE
2nd Hazard Category: ACUTE

HMMD UNDERGROUND TANKS:
Tank Number: T001
Tank ID Number: 1
Capacity (Gal): 500
Tank Exempt: Not reported
Waste or Product: Not reported
Tank Contents: Not reported

HMMD WASTE STREAMS:
Inspection Date: 01/04/05
Waste Item #: 213
Waste Code: 213
Waste Name: HYDROCARBON SOLVENTS
Qnty at Inspection: 30
Annual Quantity: 60
Measurement Unit: GAL
Treatment Method: 001 RECYCLE
Storage Method: PROCESSING EQUIPMENT
Waste Description: KEROSENE PARTS WASHERS
Haz Waste Hauler: 0015 ASBURY ENVIR. SERVIC
Carcinogen: No
Carcinogen: No
Annual Qty String: 60
Quantity String: 30

Inspection Date: 01/04/05
Waste Item #: 221
Waste Code: 221
Waste Name: WASTE OIL & MIXED OI
Qnty at Inspection: 250
Annual Quantity: 1500
Measurement Unit: GAL
Treatment Method: 001 RECYCLE
Storage Method: ABVG TNK
Waste Description: WASTE OIL
Haz Waste Hauler: 0015 ASBURY ENVIR. SERVIC
Carcinogen: No
Carcinogen: No
Annual Qty String: 1500
Quantity String: 250

Inspection Date: 01/04/05
Waste Item #: 342
Waste Code: 342
Waste Name: ORGANIC LIQUIDS W/ME
Qnty at Inspection: 100
Annual Quantity: 300
Measurement Unit: GAL
Treatment Method: 001 RECYCLE
Storage Method: PLASTIC DRUM
Waste Description: ANTIFREEZE
Haz Waste Hauler: 0015 ASBURY ENVIR. SERVIC
Carcinogen: No
Carcinogen: No
Annual Qty String: 300
Quantity String: 100

Inspection Date: 01/04/05
Waste Item #: 444
Waste Code: 444
Waste Name: USED BATTERIES
Qnty at Inspection: 80
Annual Quantity: 960
Measurement Unit: LBS
Treatment Method: 444 BATTERIES RECYCL
Storage Method: BOX
Waste Description: USED BATTERIES
Haz Waste Hauler: 9997 UNREGISTERED HAZ WST
Carcinogen: No
Carcinogen: No
Annual Qty String: 960
Quantity String: 80

BILL SMITH FOREIGN CAR (Continued) **1000275028**

Inspection Date: 01/04/05
Waste Code: 888
Qnty at Inspection: 300
Measurement Unit: LBS
Treatment Method: 888 FILTERS/METAL RE
Waste Description: OIL FILTERS
Carcinogen: No
Carcinogen: No
Quantity String: 300
Waste Item #: 888
Waste Name: USED OIL FILTERS
Annual Quantity: 900
Storage Method: METAL DRUM
Haz Waste Hauler: 0015 ASBURY ENVIR. SERVIC
Annual Qty String: 900

HMMD VIOLATIONS:

Inspection Date: 03/03/99
Waste Code: Not reported
Type of Violation: 6HV0401
Violation Description: TRAINING RECORDS UNAVAILABLE
Occurrences: Not reported

Inspection Date: 03/03/99
Waste Code: Not reported
Type of Violation: 6HV1002
Violation Description: HMBP NOT ESTABISHED/IMPLEMENTED.
Occurrences: Not reported

Inspection Date: 02/05/02
Waste Code: Not reported
Type of Violation: 6HV0202
Violation Description: WASTE CONTAINER W/O LABELS
Occurrences: Not reported

Inspection Date: 02/05/02
Waste Code: Not reported
Type of Violation: 6HV0201
Violation Description: WASTE CONTAINER NOT CLOSED
Occurrences: Not reported

Inspection Date: 07/02/03
Waste Code: Not reported
Type of Violation: 6HV0201
Violation Description: WASTE CONTAINER NOT CLOSED
Occurrences: Not reported

Inspection Date: 07/02/03
Waste Code: Not reported
Type of Violation: 6HV0402
Violation Description: TRAINING PROGRAM NOT ADEQUATE
Occurrences: Not reported

Inspection Date: 01/04/05
Waste Code: Not reported
Type of Violation: 6HV0201
Violation Description: WASTE CONTAINER NOT CLOSED
Occurrences: Not reported

Inspection Date: 01/04/05
Waste Code: Not reported
Type of Violation: 6HV0202
Violation Description: WASTE CONTAINER W/O LABELS
Occurrences: Not reported

Inspection Date: 01/04/05
Waste Code: Not reported
Type of Violation: 6HV1601
Violation Description: HAZWASTE TANKS W/O P.E. ASSESSMENT
Occurrences: Not reported

BILL SMITH FOREIGN CAR (Continued) **1000275028**

Click this hyperlink while viewing on your computer to access additional CA HMMD detail in the EDR Site Report.

19
South
1/4-1/2
2500 ft.

SOLANA BEACH PROPERTY
437 HWY 101 S
SOLANA BEACH, CA 92075

LUST **S102437717**
Cortese **N/A**

Relative:
Lower

Actual:
65 ft.

LUST Region 9:

Case Number:	9UT962	Release Date:	05/10/1988
Local Agency:	37000		
Substance:	8006619	Qty Leaked:	Not reported
Date Found:	04/28/1988	How Found:	Tank Closure
Date Stopped:	04/28/1988	How Stopped:	Close Tank
Source:	Unknown	Cause:	Unknown
Lead Agency:	Local Agency		
Status:	Case Closed		
Case Type:	Soil only		
Confirm Date:	Not reported	Submit Workplan:	Not reported
Prelim Assess:	Not reported	Desc Pollution:	Not reported
Remed Plan:	Not reported	Remed Action:	Not reported
Began Monitor:	6/13/88	Closed Date:	6/13/88
Enforce Type:	Not reported		
Enforce Date:	Not reported		
Pilot Program:	LOP	Local Case:	H26485-001
Basin Number:	904.61	Gwater Depth:	Not reported
File Dispn:	File discarded, case closed		

Interim Remedial Actions:	Yes
Beneficial Use:	Not reported
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported
NPDES Number:	Not reported

CORTESE:

Region:	CORTESE
Fac Address 2:	437 HWY 101 S

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
DEL MAR	S103442754	DEL MAR DUMP	NEAR DEL MAR FAIR GROUNDS	92014	WMUDS/SWAT
SOLANA BEACH	S106932346	SOLANA BEACH AUTOMOTIVE	301 HIGHWAY 101	92075	SWEEPS UST
SOLANA BEACH	S106929963	NORTH COUNTY TRANSIT DISTRICT	APP 357 CEDROS AVE	92075	SWEEPS UST
SOLANA BEACH	S105155606	SOLANA BEACH BURNSITE	SE CORNER OF STA. HELENA / STA. VICTORIA DRS.	92075	SWF/LF
SOLANA BEACH	U001572304	90927	101 S HWY 101 / PLAZA	92075	HIST UST
SOLANA BEACH	S105807917	BEACH WALK CLEANERS	437 SO HWY 101	92075	CLEANERS
SOLANA BEACH	U001572318	SOLANO BEACH FIRE DEPT.	102 NORTH MARPO	92075	HIST UST
SOLANA BEACH	S106930675	PHILIP D. SCHOFIELD & MARCIA S	EL MONTEVIDE BETWEEN	92075	SWEEPS UST
SOLANA BEACH	U001572313	PHILIP D. SCHOFIELD & MARCIA S	EL MONTEVIDEO BETWEEN SAN ELIJ	92075	HIST UST
SOLANA BEACH	S100752357	SOLANO BEACH DISPOSAL SITE	1/4 ML NW OF SAN DIEGUITO COUN		WMUDS/SWAT
SOLANA BEACH	S106922611	AM/PM MINI MARKET #704	660 VIA DE LA VALLE 1919	92075	SWEEPS UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/19/2006
Date Data Arrived at EDR: 05/05/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 17

Source: EPA
Telephone: N/A
Last EDR Contact: 08/02/2006
Next Scheduled EDR Contact: 10/30/2006
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 04/19/2006
Date Data Arrived at EDR: 05/05/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 17

Source: EPA
Telephone: N/A
Last EDR Contact: 08/02/2006
Next Scheduled EDR Contact: 10/30/2006
Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/19/2006
Date Data Arrived at EDR: 05/05/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 17

Source: EPA
Telephone: N/A
Last EDR Contact: 08/02/2006
Next Scheduled EDR Contact: 10/30/2006
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL RECOVERY: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS 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.

Date of Government Version: 06/19/2006
Date Data Arrived at EDR: 06/22/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 62

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 06/22/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/01/2006
Date Data Arrived at EDR: 03/21/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 23

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 06/23/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006
Date Data Arrived at EDR: 06/28/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 56

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/22/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 01/12/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 40

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Last EDR Contact: 07/25/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 07/03/2006
Date Data Arrived at EDR: 07/19/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 35

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/19/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/21/2006
Date Data Arrived at EDR: 03/27/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/21/2006
Date Data Arrived at EDR: 03/27/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 08/11/2006
Next Scheduled EDR Contact: 11/06/2006
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 01/19/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 33

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/10/2006
Date Data Arrived at EDR: 07/13/2006
Date Made Active in Reports: 09/06/2006
Number of Days to Update: 55

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/2004
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 04/25/2005
Number of Days to Update: 69

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/10/2006
Date Data Arrived at EDR: 07/21/2006
Date Made Active in Reports: 09/06/2006
Number of Days to Update: 47

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 07/06/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 11/04/2005
Date Data Arrived at EDR: 11/28/2005
Date Made Active in Reports: 01/30/2006
Number of Days to Update: 63

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/18/2006
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 07/20/2006
Date Data Arrived at EDR: 07/21/2006
Date Made Active in Reports: 08/22/2006
Number of Days to Update: 32

Source: EPA
Telephone: 202-564-6064
Last EDR Contact: 07/06/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Quarterly

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 06/22/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 62

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 06/22/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/14/2006
Date Data Arrived at EDR: 07/18/2006
Date Made Active in Reports: 09/06/2006
Number of Days to Update: 50

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 07/14/2006
Date Data Arrived at EDR: 07/18/2006
Date Made Active in Reports: 09/06/2006
Number of Days to Update: 50

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 05/11/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 11

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 02/13/2006
Date Data Arrived at EDR: 04/21/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/07/2006
Date Data Arrived at EDR: 08/09/2006
Date Made Active in Reports: 09/06/2006
Number of Days to Update: 28

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 08/09/2006
Next Scheduled EDR Contact: 11/06/2006
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/10/2006
Date Data Arrived at EDR: 07/20/2006
Date Made Active in Reports: 09/06/2006
Number of Days to Update: 48

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/16/2006
Date Data Arrived at EDR: 06/28/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 56

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/28/2006
Next Scheduled EDR Contact: 09/25/2006
Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/21/2006
Date Data Arrived at EDR: 07/25/2006
Date Made Active in Reports: 09/06/2006
Number of Days to Update: 43

Source: EPA
Telephone: N/A
Last EDR Contact: 04/03/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 06/17/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 07/21/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 08/28/2006
Next Scheduled EDR Contact: 11/27/2006
Data Release Frequency: No Update Planned

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 06/06/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 07/06/2006
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/30/2006
Next Scheduled EDR Contact: 11/27/2006
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 07/31/2006
Next Scheduled EDR Contact: 10/30/2006
Data Release Frequency: No Update Planned

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 06/12/2006
Date Data Arrived at EDR: 06/14/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 43

Source: Integrated Waste Management Board
Telephone: 916-341-6320
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Quarterly

CA WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/21/2006
Date Data Arrived at EDR: 06/22/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 06/22/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 05/29/2001
Date Made Active in Reports: 07/26/2001
Number of Days to Update: 58

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-9100
Last EDR Contact: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 07/10/2006
Date Data Arrived at EDR: 07/12/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 15

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 07/12/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Quarterly

LUST: Geotracker's Leaking Underground Fuel Tank Report
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/11/2006
Date Data Arrived at EDR: 07/12/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 15

Source: State Water Resources Control Board
Telephone: 916-341-5752
Last EDR Contact: 07/12/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Quarterly

LUST REG 5: Leaking Underground Storage Tank Database

Date of Government Version: 07/01/2006
Date Data Arrived at EDR: 07/26/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 29

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 07/26/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Quarterly

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-346-7491
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-4130
Last EDR Contact: 08/07/2006
Next Scheduled EDR Contact: 11/06/2006
Data Release Frequency: Varies

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-346-7491
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 916-542-5424
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 06/26/2006
Next Scheduled EDR Contact: 09/25/2006
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-576-2220
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 07/10/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 08/15/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SLIC: Statewide SLIC Cases

The Spills, Leaks, Investigations, and Cleanups (SLIC) listings includes unauthorized discharges from spills and leaks, other than from underground storage tanks or other regulated sites.

Date of Government Version: 07/11/2006
Date Data Arrived at EDR: 07/12/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 15

Source: State Water Resources Control Board
Telephone: 916-341-5752
Last EDR Contact: 07/12/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 07/10/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 08/15/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 07/06/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Date of Government Version: 04/06/2006
Date Data Arrived at EDR: 04/06/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 35

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Date of Government Version: 05/31/2006
Date Data Arrived at EDR: 06/01/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 14

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/28/2006
Next Scheduled EDR Contact: 11/27/2006
Data Release Frequency: Annually

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/11/2006
Date Data Arrived at EDR: 07/12/2006
Date Made Active in Reports: 07/26/2006
Number of Days to Update: 14

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 07/12/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Semi-Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

AST: Aboveground Petroleum Storage Tank Facilities

Registered Aboveground Storage Tanks.

Date of Government Version: 01/30/2006
Date Data Arrived at EDR: 01/30/2006
Date Made Active in Reports: 02/17/2006
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5712
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 10/31/2006
Data Release Frequency: Quarterly

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1980's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 11/30/2005
Date Made Active in Reports: 01/19/2006
Number of Days to Update: 50

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

NOTIFY 65: Proposition 65 Records

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: No Update Planned

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 07/05/2006
Date Data Arrived at EDR: 07/06/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/06/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Semi-Annually

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 06/06/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 07/06/2006
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/30/2006
Next Scheduled EDR Contact: 11/27/2006
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 04/18/2005
Date Data Arrived at EDR: 04/18/2005
Date Made Active in Reports: 05/06/2005
Number of Days to Update: 18

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/25/2006
Date Data Arrived at EDR: 07/26/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 29

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Varies

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 05/17/2006
Date Data Arrived at EDR: 05/17/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/14/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Varies

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 06/06/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 07/06/2006
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/30/2006
Next Scheduled EDR Contact: 11/27/2006
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 10/11/2005
Date Made Active in Reports: 10/31/2005
Number of Days to Update: 20

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 08/11/2006
Next Scheduled EDR Contact: 11/06/2006
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 27

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 07/21/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Varies

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 05/10/2006
Date Data Arrived at EDR: 05/10/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 36

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/30/2006
Next Scheduled EDR Contact: 11/27/2006
Data Release Frequency: Quarterly

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 08/11/2006
Next Scheduled EDR Contact: 11/06/2006
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 06/08/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 06/28/2006
Number of Days to Update: 19

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 06/08/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 07/28/2006
Number of Days to Update: 49

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/23/2006
Date Made Active in Reports: 08/02/2006
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 06/06/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 07/28/2006
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005
Date Data Arrived at EDR: 01/21/2005
Date Made Active in Reports: 02/28/2005
Number of Days to Update: 38
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 06/06/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 07/28/2006
Number of Days to Update: 49
Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004
Date Data Arrived at EDR: 12/29/2004
Date Made Active in Reports: 02/04/2005
Number of Days to Update: 37
Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 06/08/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 07/28/2006
Number of Days to Update: 49
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land
A listing of underground storage tank locations on Indian Land.

Date of Government Version: 06/08/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 06/30/2006
Number of Days to Update: 21
Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 06/30/2006
Date Data Arrived at EDR: 07/03/2006
Date Made Active in Reports: 09/06/2006
Number of Days to Update: 65
Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/23/2006
Date Made Active in Reports: 08/02/2006
Number of Days to Update: 40
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 08/08/2006
Date Data Arrived at EDR: 08/10/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 14

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Semi-Annually

Underground Tanks

Date of Government Version: 05/23/2006
Date Data Arrived at EDR: 05/24/2006
Date Made Active in Reports: 06/29/2006
Number of Days to Update: 36

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 06/09/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 48

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 08/28/2006
Next Scheduled EDR Contact: 11/27/2006
Data Release Frequency: Semi-Annually

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 07/11/2006
Date Data Arrived at EDR: 07/12/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 15

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/10/2006
Next Scheduled EDR Contact: 11/06/2006
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 06/23/2006
Date Data Arrived at EDR: 06/23/2006
Date Made Active in Reports: 07/26/2006
Number of Days to Update: 33

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 07/07/1999
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 05/16/2006
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 05/31/2006
Date Data Arrived at EDR: 07/25/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 30

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 08/14/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Date of Government Version: 05/16/2006
Date Data Arrived at EDR: 05/30/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 16

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 08/16/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Varies

City of Los Angeles Landfills

Date of Government Version: 03/01/2006
Date Data Arrived at EDR: 04/06/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 35

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/05/2006
Date Data Arrived at EDR: 02/16/2006
Date Made Active in Reports: 03/13/2006
Number of Days to Update: 25

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 08/14/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Date of Government Version: 05/30/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 06/14/2006
Number of Days to Update: 14

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 08/28/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 08/23/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Date of Government Version: 05/06/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 06/14/2006
Number of Days to Update: 14

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 08/14/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 05/09/2006
Date Data Arrived at EDR: 06/06/2006
Date Made Active in Reports: 07/26/2006
Number of Days to Update: 50

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 07/31/2006
Next Scheduled EDR Contact: 10/30/2006
Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination

Date of Government Version: 06/28/2006
Date Data Arrived at EDR: 06/29/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 28

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 06/26/2006
Next Scheduled EDR Contact: 09/25/2006
Data Release Frequency: Semi-Annually

Closed and Operating Underground Storage Tank Sites

Date of Government Version: 06/28/2006
Date Data Arrived at EDR: 06/29/2006
Date Made Active in Reports: 07/26/2006
Number of Days to Update: 27

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 06/26/2006
Next Scheduled EDR Contact: 09/25/2006
Data Release Frequency: Annually

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/21/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 36

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 09/06/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/19/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 38

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 09/06/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/19/2006
Date Made Active in Reports: 07/26/2006
Number of Days to Update: 37

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 09/06/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 04/03/2006
Date Data Arrived at EDR: 04/04/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 9

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 08/14/2006
Next Scheduled EDR Contact: 12/19/2006
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 08/08/2006
Date Data Arrived at EDR: 08/08/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 16

Source: Department of Public Health
Telephone: 951-358-5055
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Date of Government Version: 05/19/2006
Date Data Arrived at EDR: 05/19/2006
Date Made Active in Reports: 06/14/2006
Number of Days to Update: 26

Source: Health Services Agency
Telephone: 951-358-5055
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Contaminated Sites

Date of Government Version: 05/09/2006
Date Data Arrived at EDR: 05/30/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 16

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 08/02/2006
Next Scheduled EDR Contact: 10/30/2006
Data Release Frequency: Quarterly

ML - Regulatory Compliance Master List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/09/2006
Date Data Arrived at EDR: 05/30/2006
Date Made Active in Reports: 07/06/2006
Number of Days to Update: 37

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 08/02/2006
Next Scheduled EDR Contact: 10/30/2006
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 06/23/2006
Date Data Arrived at EDR: 06/23/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 34

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 05/16/2005
Date Data Arrived at EDR: 05/18/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 29

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 07/07/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 11/01/2005
Date Data Arrived at EDR: 12/29/2005
Date Made Active in Reports: 01/19/2006
Number of Days to Update: 21

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

SAN FRANCISCO COUNTY:

Local Oversite Facilities

Date of Government Version: 06/19/2006
Date Data Arrived at EDR: 06/21/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 36

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

Underground Storage Tank Information

Date of Government Version: 06/19/2006
Date Data Arrived at EDR: 06/21/2006
Date Made Active in Reports: 07/26/2006
Number of Days to Update: 35

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 02/28/2006
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 27

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 05/02/2006
Date Data Arrived at EDR: 05/02/2006
Date Made Active in Reports: 05/26/2006
Number of Days to Update: 24

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 08/07/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Annually

Fuel Leak List

Date of Government Version: 07/26/2006
Date Data Arrived at EDR: 07/27/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 28

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 07/27/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 06/26/2006
Next Scheduled EDR Contact: 09/25/2006
Data Release Frequency: No Update Planned

LOP Listing

A listing of open leaking underground storage tanks.

Date of Government Version: 07/10/2006
Date Data Arrived at EDR: 07/18/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 37

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 07/10/2006
Next Scheduled EDR Contact: 09/25/2006
Data Release Frequency: Varies

Hazardous Material Facilities

Date of Government Version: 07/03/2006
Date Data Arrived at EDR: 07/05/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 22

Source: City of San Jose Fire Department
Telephone: 408-277-4659
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks

Date of Government Version: 07/05/2006
Date Data Arrived at EDR: 07/25/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 30

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/26/2006
Next Scheduled EDR Contact: 09/25/2006
Data Release Frequency: Quarterly

Underground Storage Tanks

Date of Government Version: 07/03/2006
Date Data Arrived at EDR: 07/26/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 29

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/26/2006
Next Scheduled EDR Contact: 09/25/2006
Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

Date of Government Version: 07/24/2006
Date Data Arrived at EDR: 07/25/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 30

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Date of Government Version: 12/31/0005
Date Data Arrived at EDR: 01/05/2006
Date Made Active in Reports: 01/31/2006
Number of Days to Update: 26

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 07/31/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/30/2006
Date Data Arrived at EDR: 06/28/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 29

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 08/01/2005
Date Data Arrived at EDR: 09/20/2005
Date Made Active in Reports: 10/06/2005
Number of Days to Update: 16

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/25/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/30/2006
Date Data Arrived at EDR: 07/10/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 17

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/30/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 06/28/2006
Date Data Arrived at EDR: 07/27/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 28

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/11/2006
Next Scheduled EDR Contact: 07/10/2006
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Date of Government Version: 07/19/2006
Date Data Arrived at EDR: 08/01/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 23

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/17/2006
Date Made Active in Reports: 04/07/2006
Number of Days to Update: 49

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 07/06/2006
Date Made Active in Reports: 08/01/2006
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/05/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/02/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/30/2006
Next Scheduled EDR Contact: 11/27/2006
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 05/04/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 09/30/2005
Date Data Arrived at EDR: 05/09/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 46

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 07/25/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

COMERICA - MAGANDA CORPORATION
329 SOUTH HIGHWAY 101
SOLANA BEACH, CA 92075

TARGET PROPERTY COORDINATES

Latitude (North):	32.98760 - 32° 59' 15.4''
Longitude (West):	117.271 - 117° 16' 15.6''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	474680.2
UTM Y (Meters):	3649753.8
Elevation:	71 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property:	N/A
Source:	USGS 7.5 min quad index

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

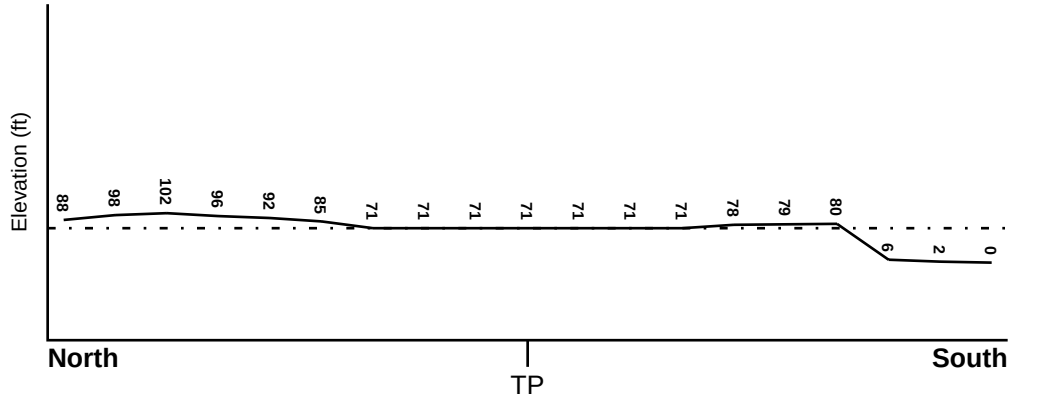
TOPOGRAPHIC INFORMATION

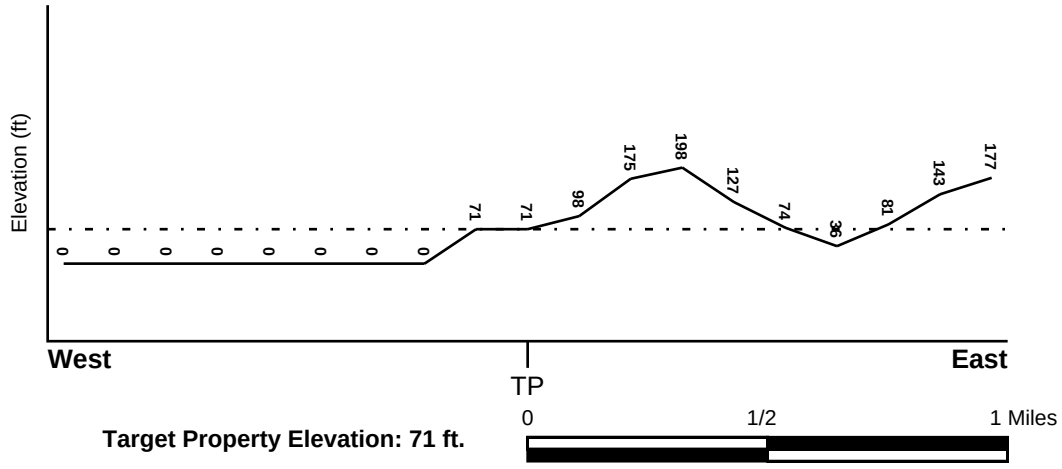
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 71 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
SAN DIEGO, CA	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
WEST DEL MAR (OE)	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
A2	1/4 - 1/2 Mile North	WNW
A3	1/4 - 1/2 Mile North	W
4	1/2 - 1 Mile ESE	SW

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Tertiary
Series:	Eocene
Code:	Te *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	MARINA
Soil Surface Texture:	loamy coarse sand
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	MODERATE
Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	27 inches	loamy coarse sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 5.10
2	27 inches	50 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 5.10
3	50 inches	88 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 5.10

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: fine sandy loam
gravelly - loamy sand
loam
gravelly - coarse sand
clay
loamy fine sand
loamy sand

Surficial Soil Types: fine sandy loam
gravelly - loamy sand
loam
gravelly - coarse sand
clay
loamy fine sand
loamy sand

Shallow Soil Types: loamy fine sand

Deeper Soil Types: indurated
unweathered bedrock
stratified

gravelly - coarse sand
weathered bedrock

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CA3702215	1/8 - 1/4 Mile North

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 1750156.2s

- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Comerica - Maganda Corporation	CLIENT:	Terracon
ADDRESS:	329 South Highway 101 Solana Beach CA 92075	CONTACT:	Brad Dales
		INQUIRY #:	1750156.2s
LAT/LONG:	32.9876 / 117.2710	DATE:	September 07, 2006 7:28 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

		Database	EDR ID Number
1 **North** **1/8 - 1/4 Mile** **Higher**		**FRDS PWS**	**CA3702215**

PWS ID: CA3702215 PWS Status: Active
Date Initiated: 7706 Date Deactivated: Not Reported
PWS Name: BORREGO SPRINGS PROPERTY, INC
BORREGO VILLAGE RESORT
3241 BORREGO VY STRT
BORREGO SPRINGS, CA 92004

Addressee / Facility: System Owner/Responsible Party
BORREGO VILLAGE RESORT
P O BOX 6
SOLANA BEACH, CA 92075

Facility Latitude: 32 59 27 Facility Longitude: 117 16 13
City Served: Not Reported
Treatment Class: Untreated Population: 00000028

PWS currently has or had major violation(s) or enforcement: No

---

A2 **North** **1/4 - 1/2 Mile** **Higher**	Site ID: Not Reported Groundwater Flow: WNW Shallow Water Depth: Not Reported Deep Water Depth: Not Reported Average Water Depth: 30 Date: 04/03/1995	**AQUIFLOW**	**38823**

A3 **North** **1/4 - 1/2 Mile** **Higher**	Site ID: Not Reported Groundwater Flow: W Shallow Water Depth: Not Reported Deep Water Depth: Not Reported Average Water Depth: 40 Date: 11/02/1994	**AQUIFLOW**	**37965**

---

4 **ESE** **1/2 - 1 Mile** **Lower**	Site ID: Not Reported Groundwater Flow: SW Shallow Water Depth: Not Reported Deep Water Depth: Not Reported Average Water Depth: 9 Date: 01/16/1991	**AQUIFLOW**	**38804**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zip	Total Sites	> 4 Pci/L	Pct. > 4 Pci/L
92075	5	0	0.00

Federal EPA Radon Zone for SAN DIEGO County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for SAN DIEGO COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.677 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.400 pCi/L	100%	0%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

California Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

APPENDIX D

Site Photographs

Photo #1 North side of site, 329 South Highway 101 – westerly view.

Photo #2 East side of site showing vacated trailer park at 329 South Highway 101 – westerly view.

Photo #3 Southeast portion of site across the intersection of South Highway 101 and Dahlia Drive – northwesterly view.

Photo #4 Hair salon located at 120 Dahlia Drive, south side of site – northwesterly view.

Photo #5 Additional view of 120 Dahlia Drive (parking area).

Photo #6 Wood and metal storage shed at 128 Dahlia Drive – northerly view.

Photo #7 Vacated house at 128 Dahlia Drive – northwesterly view.

Photo #8 Yard area behind vacated house at 128 Dahlia Drive. Pictured at left are two pad-mounted transformers (owned and maintained by SDG&E).

Photo #9 Western boundary of site along Sierra Avenue – northerly view.

Photo #10 Alternate view of vacated house and yard at 128 Dahlia Drive – southeasterly view.

Photo #11 North adjoining property, retail center – northwesterly view.

Photo #12 Alternate view of north adjoining property – easterly view.

Photo #13 East adjoining property across South Highway 101 – northeasterly view.

Photo #14 South adjoining property across South Highway 101 – westerly view.

Photo #15 Alternate view of south adjoining property along Dahlia Drive – southeasterly view.

Photo #16 West adjoining residential properties along Sierra Avenue – northerly view.

Photo #17 Alternate view of west adjoining property in background – westerly view.

Photo #18 East entrance into trailer park, 329 South Highway 101.

Photo #19 Vacated wood and steel building near the east entrance of the trailer park.

Photo #20 Southeast portion of site showing former fuel island area of 343 South Highway 101.

Photo #21 Northwest view of former gas station building at 343 South Highway 101. The building is currently used as a furniture/antique store.

Photo #22 Southwest view of former gas station.

Photo #23 Fenced storage area, north of former gas station building. Former waste oil tank previously located adjacent to fence in background.

Photo #24 Remaining vent pipes of former gas station USTs, northwest corner of building at 343 South Highway 101.

Photo #25 Interior of former gas station building, recently renovated with new drywall and paint.

Photo #26 Alternate view of former gas station fuel pump islands (two).

Photo #27 Driveway and parking area of 343 South Highway 101 – southwesterly view.

Photo #28 North view of 112 and 114 Dahlia Drive, a south adjoining property on a contiguous parcel to the site.

Photo #29 South face of commercial building at 112 and 114 Dahlia Drive – north view.

Photo #30 Vacated trailers and driveway of trailer park – southwesterly view.

Photo #31 Vacated trailers and driveway of trailer park – northeasterly view.

Photo #32 North central portion of trailer park showing typical gas and power hook-ups. Construction debris pile shown in background.

Photo #33 Trailer park ombudsman building, northeast portion of site.

Photo #34 Storage room within the ombudsman building containing small amounts of paint and empty propane gas cylinders.

Photo #35 Additional storage room of the ombudsman building containing yard equipment, three 5-gallon buckets of paint and ½-gallon of gasoline.

Photo #36 Metal storage shed on the south central side of trailer park containing salvaged building materials.

Photo #37 Two, unlabeled 55-gallon steel drums adjacent to a trailer located near the south central border of the trailer park.

Photo #38 One of two pad-mounted transformers located on the southwest portion of the site (owned and maintained by SDG&E).

Photo #39 Small municipal trash shed located on the southwest portion of the site along Sierra Avenue.

APPENDIX E

Description of Terms and Acronyms

Description of Selected General Terms and Acronyms

Term/Acronym	*Description*
ACM	Asbestos Containing Material. Asbestos is a naturally occurring mineral, three varieties of which (chrysotile, amosite, crocidolite) have been commonly used as fireproofing or binding agents in construction materials. Exposure to asbestos, as well as ACM, has been documented to cause lung diseases including asbestosis (scarring of the lung), lung cancer and mesothelioma (a cancer of the lung lining). Regulatory agencies have generally defined ACM as a material containing greater that one (1) percent asbestos, however some states (e.g. California) define ACM as materials having 0.1% asbestos. In order to define a homogenous material as non-ACM, a minimum number of samples must be collected from the material dependent upon its type and quantity. Homogenous materials defined as non-ACM must either have 1) no asbestos identified in all of its samples or 2) an identified asbestos concentration below the appropriate regulatory threshold. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. Point counting is an analytical method to statistically quantify the percentage of asbestos in a sample. The asbestos component of ACM may either be friable or non-friable. Friable materials, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and have a higher potential for a fiber release than non-friable ACM. Non-friable ACM are materials that are firmly bound in a matrix by plastic, cement, etc. and, if handled carefully, will not become friable. Federal and state regulations require that either all suspect building materials be presumed ACM or that an asbestos survey be performed prior to renovation, dismantling, demolition, or other activities that may disturb potential ACM. Notifications are required prior to demolition and/or renovation activities that may impact the condition of ACM in a building. ACM removal may be required if the ACM becomes damaged or is likely to be disturbed or damaged during demolition or renovation. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with state rules and NESHAP. Additionally, OSHA regulations for work classification, worker training and worker protection will apply.
AHERA	Asbestos Hazard Emergency Response Act
AST	Above Ground Storage Tanks. ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents and the jurisdiction of its location.
BGS	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes. BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release.
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liability may be imposed on potentially responsible parties for cleanup-related costs.
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System. An EPA compilation of sites having suspected or actual releases of hazardous substances to the environment. CERCLIS also contains information on site inspections, preliminary assessments and remediation of hazardous waste sites. These sites are typically reported to EPA by states and municipalities or by third parties pursuant to CERCLA Section 103.
CFR	Code of Federal Regulations
DOT	U.S. Department of Transportation
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification System. An EPA-maintained federal database which stores information on notifications of oil discharges and hazardous substance releases in quantities greater than the applicable reportable quantity under CERCLA. ERNS is a cooperative data-sharing effort between EPA, DOT, and the National Response Center.
ESA	Environmental Site Assessment
FRP	Fiberglass Reinforced Plastic
Hazardous Substance	As defined under CERCLA, this is (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title; (C) any hazardous waste having characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (with some exclusions); (D) any toxic pollutant listed under section 1317(a) of Title 33; (E) any hazardous air pollutant listed under section 112 of the Clear Air Act; and (F) any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action under section 2606 of Title 15. This term does not include petroleum, including crude oil or any fraction thereof which is not otherwise listed as a hazardous substance under subparagraphs (A) through (F) above, and the term does not include natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).

Term/Acronym	*Description*
Hazardous Waste	This is defined as having characteristics identified or listed under section 3001 of the Solid Waste Disposal Act (with some exceptions). RCRA, as amended by the Solid Waste Disposal Act of 1980, defines this term as a "solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed."
HREC	Historical Recognized Environmental Condition. Environmental condition which in the past would have been considered a recognized environmental condition (REC), but which may or may not be considered a REC currently. The final decision rests with the environmental professional and will be influenced by the current impact of the HREC on the property. If a past release of any hazardous substances or petroleum products has occurred in connection with the property and has been remediated, with such remediation accepted by the responsible regulatory agency (for example, as evidence by the issuance of a no further action letter or equivalent), this condition shall be considered an historical recognized environmental condition.
ILP	Innocent Landowner/Operator Program
LUST	Leaking Underground Storage Tank. This is a federal term set forth under RCRA for leaking USTs. Some states also utilize this term.
MCL	Maximum Contaminant Level. This Safe Drinking Water concept (and also used by many states as a groundwater cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment.
MSDS	Material Safety Data Sheets. Written/printed forms prepared by chemical manufacturers, importers and employers that identify the physical and chemical traits of hazardous chemicals under OSHA's Hazard Communication Standard.
NESHAP	National Emissions Standard for Hazardous Air Pollutants (Federal Clean Air Act). This part of the Clean Air Act regulates emissions of hazardous air pollutants.
NFRAP	Facilities where there is "No Further Remedial Action Planned," as more particularly described under the Records Review section of this report.
NOV	Notice of Violation. A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified.
NPDES	National Pollutant Discharge Elimination System (Clean Water Act). The federal permit system for discharges of polluted water.
NPL	National Priorities List, as more particularly described under the Records Review section of this report.
OSHA	Occupational Safety and Health Administration or Occupational Safety and Health Act
PACM	Presumed Asbestos-Containing Material. A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos.
PCB	Polychlorinated Biphenyl. A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment; however, some of this equipment may still be in use today.
pCi/l	picoCuries per Liter of Air. Unit of measurement for Radon and similar radioactive materials.
PLM	Polarized Light Microscopy (see ACM section of the report, if included in the scope of services)
PST	Petroleum Storage Tank. An AST or UST that contains a petroleum product.
Radon	A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in picoCuries per liter of air. Exposure to elevated levels of radon creates a risk of lung cancer; this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building's construction, design and the concentration of radon in the underlying soil and groundwater. The EPA recommended annual average indoor "action level" concentration for residential structures is 4.0 pCi/l.
RCRA	Resource Conservation and Recovery Act. Federal act regulating solid and hazardous wastes from point of generation to time of disposal ('cradle to grave"). 42 U.S.C. 6901 et seq.
RCRA Generators	The RCRA generators list is part of the RCRIS database maintained by EPA and lists facilities that generate hazardous waste as part of their normal business operations, as more particularly defined under Section 5.0 of this report.

Term/Acronym	*Description*
RCRA CORRACTS/TSDs	The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials, which are undergoing "corrective action". A "corrective action" order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility.
RCRA Non-CORRACTS/TSDs	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities that report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.
RCRA Violators List	RAATS. RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for noncompliance.
RCRIS	Resource Conservation and Recovery Information System, as defined in the Records Review section of this report.
REC	Recognized Environmental Condition is defined by ASTM E 1527-00 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 release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions of compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to the public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.
SCL	State "CERCLIS" List (see SPL /State Priority List, below).
SPCC	Spill Prevention, Control and Countermeasures. SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility having a petroleum AST with a capacity of over 660 gallons or two or more tanks having an aggregate capacity of over 1320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements.
SPL	State Priority List. State list of confirmed sites having contamination in which the state is actively involved in clean up activities or is actively pursuing potentially responsible parties for clean up. Sometimes referred to as a State "CERCLIS" List.
SWF	Solid Waste Facility List. A Vista Information Solutions, Inc. database of solid waste facilities listed by state.
TPH	Total Petroleum Hydrocarbons
TRI	Toxic Release Inventory. Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act.
TSCA	Toxic Substances Control Act. A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq.
USACE	United States Army Corps of Engineers
USC	United States Code
USGS	United States Geological Survey
USNRCS	United States Department of Agriculture-Natural Resource Conservation Service
UST	Underground Storage Tank. Most federal and state regulations, as well as ASTM E1527, define this as any tank, including, underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground (i.e., buried).
VCP	Voluntary Cleanup Program
VOC	Volatile Organic Compound
Wetlands	Areas that are typically saturated with surface or groundwater that create an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The Corps of Engineers Wetlands Delineation Manual (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present. The federal Clean Water Act which regulates "waters of the US," also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/ foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U. S., (5) tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination.

California ***Term/Acronym***	***Description***
AST	Aboveground Petroleum Storage Tank Facilities
AWP	Annual Workplan Sites
CAL/EPA	California Environmental Protection Agency
CA BOND EXP. PLAN	Bond Expenditure Plan
CA FID UST	Facility inventory database of active and inactive UST locations
Cal-Sites	Calsites Database
CA SLIC	Spills, Leaks, Investigation and Cleanup Cost Recovery Listing
CA WDS	Waste Discharge System
CHMIRS	California Hazardous Material Incident Report System
CLEANERS	Cleaner Facilities
Cortese	Database of contaminated drinking water wells, hazardous substance sites, sites with known toxic material identified through the abandoned sites program, sites with USTs having reportable releases and all solid waste disposal facilities from which there has been known migration.
DEED	List of Deed Restrictions
DTSC	Department of Toxic Substances Control
INDIAN UST	UST on Indian Land
INDIAN LUST	Leaking UST on Indian Land
LUST	Leaking Underground Storage Tank Incident Reports
Notify 65	Proposition 65 Records
NFA	No Further Action Determination
SCH	School Property Evaluation Program
SWF/LF	Solid Waste Information System
SWRCB	California State Water Resources Control Board
Toxic Pits	Toxic Pits Cleanup Act Sites
VCP	Voluntary Cleanup Program
WMUDS/SWAT	Waste Management Unit Database/Solid Waste Assessment Test

APPENDIX F

Analytical Results

LA Testing
10772 Noel St., Los Alamitos, CA 90720
Phone: (714) 828-4999 Fax: (714) 828-4944 Email: losalamitoslab@latesting.com

Attn: **A. Wightman**
Terracon
3189-F Airway Avenue
Costa Mesa, CA 92626

Fax: (714) 444-2110 Phone: (714) 444-2322
Project: **60068136**

Customer ID: 32TERR45
Customer PO:
Received: 09/11/06 6:20 PM
LA Testing Order: 330605470

LA Testing Proj:
Analysis Date: 9/14/2006
Report Date: 9/15/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Location**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
8136-B-01-01 *330605470-0001*	DWTJC hair dry rm	White/Tan Fibrous Heterogeneous	15%	Cellulose	85%	Non-fibrous (other)	**None Detected**
8136-B-01-02 *330605470-0002*	DWTJC rm 2	White/Tan Fibrous Heterogeneous	15%	Cellulose	85%	Non-fibrous (other)	**None Detected**
8136-B-01-03 *330605470-0003*	DWTJC hallway at closet	White/Tan Fibrous Heterogeneous	15%	Cellulose	85%	Non-fibrous (other)	**None Detected**
8136-B-02-01 Sheet Vinyl *330605470-0004*	Linoleum with 9x9 blue pattern rm 2	Beige Fibrous Heterogeneous	40%	Cellulose	60%	Non-fibrous (other)	**None Detected**
		Insufficient mastic.					
8136-B-02-02 Sheet Vinyl *330605470-0005*	Linoleum with 9x9 blue pattern hair dry rm	Beige Fibrous Heterogeneous	40%	Cellulose	60%	Non-fibrous (other)	**None Detected**
8136-B-02-02 Mastic *330605470-0027*	Linoleum with 9x9 blue pattern hair dry rm	Black/Cream Non-Fibrous Heterogeneous	2%	Cellulose	98%	Non-fibrous (other)	**None Detected**
8136-B-02-03 Sheet Vinyl *330605470-0006*	Linoleum with 9x9 blue pattern rm 1	Beige Fibrous Heterogeneous	40%	Cellulose	60%	Non-fibrous (other)	**None Detected**

Analyst(s)

Jeff Krogstad (52)

Jaime Steedman-Lyde, CIH;Lab Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of LA Testing's. LA Testing's liability is limited to the cost of analysis. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.Samples received in good condition unless otherwise noted.

NVLAP Lab Code # 101384-0, Cal ELAP # 1406

LA Testing
10772 Noel St., Los Alamitos, CA 90720
Phone: (714) 828-4999 Fax: (714) 828-4944 Email: losalamitoslab@latesting.com

Attn: **A. Wightman**
Terracon
3189-F Airway Avenue
Costa Mesa, CA 92626

Fax: (714) 444-2110 Phone: (714) 444-2322
Project: **60068136**

Customer ID: 32TERR45
Customer PO:
Received: 09/11/06 6:20 PM
LA Testing Order: 330605470

LA Testing Proj:
Analysis Date: 9/14/2006
Report Date: 9/15/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Location**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
8136-B-02-03 Mastic *330605470-0028*	Linoleum with 9x9 blue pattern rm 1	Tan Non-Fibrous Homogeneous	10%	Cellulose	90%	Non-fibrous (other)	**None Detected**
8136-01-01 Paint *330605470-0010*	Smooth plaster south of entry	Cream/Green Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
8136-01-01 Plaster *330605470-0032*	Smooth plaster south of entry	Cream Non-Fibrous Heterogeneous	<1%	Cellulose	100%	Non-fibrous (other)	**None Detected**
8136-01-02 Paint *330605470-0011*	Smooth plaster southeast bedroom	Green/Various Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
8136-01-02 Plaster *330605470-0033*	Smooth plaster southeast bedroom	Cream Non-Fibrous Heterogeneous	<1%	Cellulose	100%	Non-fibrous (other)	**None Detected**
8136-01-03 Paint *330605470-0012*	Smooth plaster north hallway	White/Various Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
8136-01-03 Plaster *330605470-0034*	Smooth plaster north hallway	Cream Non-Fibrous Heterogeneous	<1%	Cellulose	100%	Non-fibrous (other)	**None Detected**
8136-02-01 Paint *330605470-0013*	Exterior stucco southeast corner	Beige Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

Analyst(s)

Jeff Krogstad (52)

Jaime Steedman-Lyde, CIH;Lab Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of LA Testing's. LA Testing's liability is limited to the cost of analysis. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.Samples received in good condition unless otherwise noted.

NVLAP Lab Code # 101384-0, Cal ELAP # 1406

LA Testing
10772 Noel St., Los Alamitos, CA 90720
Phone: (714) 828-4999 Fax: (714) 828-4944 Email: losalamitoslab@latesting.com

Attn: **A. Wightman**
Terracon
3189-F Airway Avenue
Costa Mesa, CA 92626

Fax: (714) 444-2110 Phone: (714) 444-2322
Project: **60068136**

Customer ID: 32TERR45
Customer PO:
Received: 09/11/06 6:20 PM
LA Testing Order: 330605470

LA Testing Proj:
Analysis Date: 9/14/2006
Report Date: 9/15/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	**Location**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
8136-02-01 Plaster *330605470-0035*	Exterior stucco southeast corner	Gray Non-Fibrous Heterogeneous			100% Non-fibrous (other)	**None Detected**
8136-02-02 Paint *330605470-0014*	Exterior stucco northeast corner	Brown Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
8136-02-02 Plaster *330605470-0036*	Exterior stucco northeast corner	Gray Non-Fibrous Heterogeneous			100% Non-fibrous (other)	**None Detected**
8136-02-03 Paint *330605470-0015*	Exterior stucco southwest corner	Brown Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
8136-02-03 Plaster *330605470-0037*	Exterior stucco southwest corner	Gray Non-Fibrous Heterogeneous			100% Non-fibrous (other)	**None Detected**
8136-03-01 Sheet Vinyl 1 *330605470-0016*	12x12 vinyl floor tile with multiple layer kitchen	Cream Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
8136-03-01 Mastic 1 *330605470-0038*	12x12 vinyl floor tile with multiple layer kitchen	Clear Non-Fibrous Homogeneous	<1%	Cellulose	100% Non-fibrous (other)	**None Detected**

Analyst(s)

Jeff Krogstad (52)

Jaime Steedman-Lyde, CIH;Lab Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of LA Testing's. LA Testing's liability is limited to the cost of analysis. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.Samples received in good condition unless otherwise noted.

NVLAP Lab Code # 101384-0, Cal ELAP # 1406

LA Testing
10772 Noel St., Los Alamitos, CA 90720
Phone: (714) 828-4999 Fax: (714) 828-4944 Email: losalamitoslab@latesting.com

Attn: **A. Wightman**
Terracon
3189-F Airway Avenue
Costa Mesa, CA 92626

Fax: (714) 444-2110 Phone: (714) 444-2322
Project: **60068136**

Customer ID: 32TERR45
Customer PO:
Received: 09/11/06 6:20 PM
LA Testing Order: 330605470

LA Testing Proj:
Analysis Date: 9/14/2006
Report Date: 9/15/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	**Location**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
8136-03-01 Sheet Vinyl 2 *330605470-0039*	12x12 vinyl floor tile with multiple layer kitchen	Cream/Tan Non-Fibrous Homogeneous			98% Non-fibrous (other)	**2% Chrysotile**
8136-03-01 Felt *330605470-0040*	12x12 vinyl floor tile with multiple layer kitchen	Black Fibrous Heterogeneous	2% 80%	Hair Cellulose	18% Non-fibrous (other)	**None Detected**
8136-03-01 Sheet Vinyl 3 *330605470-0041*	12x12 vinyl floor tile with multiple layer kitchen	Red Non-Fibrous Homogeneous	Insufficient mastic.		97% Non-fibrous (other)	**3% Chrysotile**
8136-03-02 Sheet Vinyl 1 *330605470-0017*	12x12 vinyl floor tile with multiple layer kitchen	Cream Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
8136-03-02 Mastic1 *330605470-0042*	12x12 vinyl floor tile with multiple layer kitchen	Clear Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
8136-03-02 Sheet Vinyl 2 *330605470-0043*	12x12 vinyl floor tile with multiple layer kitchen	Red Non-Fibrous Homogeneous			97% Non-fibrous (other)	**3% Chrysotile**
8136-03-02 Mastic2 *330605470-0044*	12x12 vinyl floor tile with multiple layer kitchen	Tan Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**

Analyst(s)

Jeff Krogstad (52)

Jaime Steedman-Lyde, CIH;Lab Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of LA Testing's. LA Testing's liability is limited to the cost of analysis. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.Samples received in good condition unless otherwise noted.

NVLAP Lab Code # 101384-0, Cal ELAP # 1406

LA Testing
10772 Noel St., Los Alamitos, CA 90720
Phone: (714) 828-4999 Fax: (714) 828-4944 Email: losalamitoslab@latesting.com

Attn: **A. Wightman**
Terracon
3189-F Airway Avenue
Costa Mesa, CA 92626

Fax: (714) 444-2110 Phone: (714) 444-2322
Project: **60068136**

Customer ID: 32TERR45
Customer PO:
Received: 09/11/06 6:20 PM
LA Testing Order: 330605470

LA Testing Proj:
Analysis Date: 9/14/2006
Report Date: 9/15/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	**Location**	**Appearance**	**%**	**Fibrous**	**% Non-Fibrous**	**% Type**
8136-03-02 Sheet Vinyl 3 *330605470-0045*	12x12 vinyl floor tile with multiple layer kitchen	Cream Non-Fibrous Homogeneous			98% Non-fibrous (other)	**2% Chrysotile**
8136-03-02 Felt *330605470-0046*	12x12 vinyl floor tile with multiple layer kitchen	Black Fibrous Heterogeneous	2% 80%	Hair Cellulose	18% Non-fibrous (other)	**None Detected**
8136-03-03 Sheet Vinyl 1 *330605470-0018*	12x12 vinyl floor tile with multiple layer kitchen	Cream Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
8136-03-03 Mastic 1 *330605470-0047*	12x12 vinyl floor tile with multiple layer kitchen	Clear Non-Fibrous Homogeneous	<1%	Cellulose	100% Non-fibrous (other)	**None Detected**
8136-03-03 Sheet Vinyl 2 *330605470-0048*	12x12 vinyl floor tile with multiple layer kitchen	Red Non-Fibrous Homogeneous			97% Non-fibrous (other)	**3% Chrysotile**
8136-03-03 Mastic 2 *330605470-0049*	12x12 vinyl floor tile with multiple layer kitchen	Tan Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
8136-03-03 Sheet Vinyl 3 *330605470-0050*	12x12 vinyl floor tile with multiple layer kitchen	Cream Non-Fibrous Homogeneous			98% Non-fibrous (other)	**2% Chrysotile**

Analyst(s)

Jeff Krogstad (52)

Jaime Steedman-Lyde, CIH;Lab Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of LA Testing's. LA Testing's liability is limited to the cost of analysis. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.Samples received in good condition unless otherwise noted.

NVLAP Lab Code # 101384-0, Cal ELAP # 1406

LA Testing
10772 Noel St., Los Alamitos, CA 90720
Phone: (714) 828-4999 Fax: (714) 828-4944 Email: losalamitoslab@latesting.com

Attn: **A. Wightman**
Terracon
3189-F Airway Avenue
Costa Mesa, CA 92626

Fax: (714) 444-2110 Phone: (714) 444-2322
Project: **60068136**

Customer ID: 32TERR45
Customer PO:
Received: 09/11/06 6:20 PM
LA Testing Order: 330605470

LA Testing Proj:
Analysis Date: 9/14/2006
Report Date: 9/15/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Location**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
8136-03-03 Felt *330605470-0051*	12x12 vinyl floor tile with multiple layer kitchen	Black Fibrous Homogeneous	60%	Cellulose	40%	Non-fibrous (other)	**None Detected**
8136-04-01 Sheet Vinyl *330605470-0019*	Linoleum flooring brwn/orange w 9x9 pattern bath 1	Cream/Tan Fibrous Heterogeneous	5%	Cellulose Insufficient mastic.	65%	Non-fibrous (other)	**30% Chrysotile**
8136-04-02 *330605470-0020*	Linoleum flooring brwn/orange w 9x9 pattern bath 1	Cream/Tan Fibrous Heterogeneous	5%	Cellulose Insufficient mastic.	65%	Non-fibrous (other)	**30% Chrysotile**
8136-04-03 Sheet Vinyl *330605470-0021*	Linoleum flooring brwn/orange w 9x9 pattern bath 1	Cream/Tan Fibrous Heterogeneous	5%	Cellulose	65%	Non-fibrous (other)	**30% Chrysotile**
8136-04-03 Mastic *330605470-0052*	Linoleum flooring brwn/orange w 9x9 pattern bath 1	Brown Non-Fibrous Homogeneous	5%	Cellulose	95%	Non-fibrous (other)	**None Detected**
8136-05-01 Tile *330605470-0022*	12x12 vinyl floor tile with brn/orange marble kitc	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**<1% Chrysotile**
8136-05-01 Mastic *330605470-0053*	12x12 vinyl floor tile with brn/orange marble kitc	Brown Non-Fibrous Homogeneous	5%	Cellulose	95%	Non-fibrous (other)	**None Detected**

Analyst(s)

Jeff Krogstad (52)

Jaime Steedman-Lyde, CIH;Lab Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of LA Testing's. LA Testing's liability is limited to the cost of analysis. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.Samples received in good condition unless otherwise noted.

NVLAP Lab Code # 101384-0, Cal ELAP # 1406

LA Testing
10772 Noel St., Los Alamitos, CA 90720
Phone: (714) 828-4999 Fax: (714) 828-4944 Email: losalamitoslab@latesting.com

Attn: **A. Wightman**
Terracon
3189-F Airway Avenue
Costa Mesa, CA 92626

Fax: (714) 444-2110 Phone: (714) 444-2322
Project: **60068136**

Customer ID: 32TERR45
Customer PO:
Received: 09/11/06 6:20 PM
LA Testing Order: 330605470

LA Testing Proj:
Analysis Date: 9/14/2006
Report Date: 9/15/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Location**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
8136-05-01 Felt *330605470-0054*	12x12 vinyl floor tile with brn/orange marble kitc	Black Fibrous Heterogeneous	85%	Cellulose	15%	Non-fibrous (other)	**None Detected**
8136-06-01 Sheet Vinyl *330605470-0023*	12x12 vinyl floor tile beige with gray sides	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
8136-06-01 Mastic *330605470-0055*	12x12 vinyl floor tile beige with gray sides	Tan Non-Fibrous Homogeneous	5%	Cellulose	95%	Non-fibrous (other)	**None Detected**
8136-07-01 *330605470-0024*	Window putty northeast corner	Cream Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
8136-07-02 *330605470-0025*	Window putty northwest corner	Cream Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
8136-07-03 *330605470-0026*	Window putty southwest corner	Cream Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
01 *330605470-0029*	Samples not listed on COC	Gray Non-Fibrous Homogeneous	Not on COC		100%	Non-fibrous (other)	**None Detected**

Analyst(s)

Jeff Krogstad (52)

Jaime Steedman-Lyde, CIH;Lab Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of LA Testing's. LA Testing's liability is limited to the cost of analysis. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.Samples received in good condition unless otherwise noted.

NVLAP Lab Code # 101384-0, Cal ELAP # 1406

LA Testing
10772 Noel St., Los Alamitos, CA 90720
Phone: (714) 828-4999 Fax: (714) 828-4944 Email: losalamitoslab@latesting.com

Attn: **A. Wightman**
Terracon
3189-F Airway Avenue
Costa Mesa, CA 92626

Fax: (714) 444-2110 Phone: (714) 444-2322
Project: **60068136**

Customer ID: 32TERR45
Customer PO:
Received: 09/11/06 6:20 PM
LA Testing Order: 330605470

LA Testing Proj:
Analysis Date: 9/14/2006
Report Date: 9/15/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Location**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
02 *330605470-0030*	Samples not listed on COC	Gray Non-Fibrous Homogeneous	Not on COC.	100% Non-fibrous (other)	**None Detected**
03 *330605470-0031*	Samples not listed on COC	Gray/Blue Non-Fibrous Heterogeneous	Not on COC.	100% Non-fibrous (other)	**None Detected**

Sample Numbers 8136-B-03-01, 8136-B-03-02, And 8136-B-03-03 were not received

Analyst(s)

Jeff Krogstad (52)

Jaime Steedman-Lyde, CIH;Lab Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of LA Testing's. LA Testing's liability is limited to the cost of analysis. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.Samples received in good condition unless otherwise noted.

NVLAP Lab Code # 101384-0, Cal ELAP # 1406

THIS IS THE LAST PAGE OF THE REPORT.

330605470

CHAIN OF CUSTODY

1-800-755-1794 www.LATesting.com

Your Name:	T. A. Wightman	Sales Rep:	Third Party Billing requires written authorization from third party
Company:	Terracon	**LA Testing -Bill to:**	Terracon
Street:	3189 F Airway Avenue	**Street:**	
Suite #:			
City/State:	Costa Mesa **Zip** 92626	**City/State:**	**Zip**
Email Results to:	TAWightman@Terracon.com	**Fax Results to: Name:**	A. Wightman
Telephone #:	714-444-2322	**Fax #:**	714-444-2110
Project Name/Number:	60068136	**Purchase Order #:**	

TURNAROUND TIME

☐ 3 Hours	☐ 6 Hours	☐ 12 Hours	☐ 24 Hours	☐ 48 Hours	☒ 72 Hours	☐ 4 Days	☐ 5 Days	☐ 6-10 Days

SAMPLE MATRIX

☐ Air	☒ Bulk	☐ Soil	☐ Wipe	☐ Micro-Vac	☐ Drinking Water	☐ Wastewater	☐ Chips	☐ Other

ASBESTOS ANALYSIS

PCM - Air
- ☐ NIOSH 7400 (A) Issue 2: August 1994
- ☐ OSHA w/TWA

TEM AIR
- ☐ AHERA 40 CFR, Part 763 Subpart E
- ☐ NIOSH 7402 Issue 2
- ☐ EPA Level II

PLM - Bulk
- ☒ EPA 600/R-93/116
- ☐ NY Stratified Point Count
- ☐ California Air Resource Board (CARB) 435
- ☐ NIOSH 9002
- ☐ PLM NOB (Gravimetric) NYS 198.1
- ☐ EPA Point Count (400 Points)
- ☐ EPA Point Count (1,000 Points)
- ☐ Standard Addition Point Count

SOILS
- ☐ EPA Protocol Qualitative
- ☐ EPA Protocol Quantitative
- ☐ EMSL MSD 9000 Method fibers/gram
- ☐ Superfund EPA 540-R097-028 (dust generation)

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield SOP-1988-02
- ☐ TEM NOB (Gravimetric) NY 198.4

TEM MICROVAC
- ☐ ASTM D 5755-95 (Quantitative)

TEM WIPE
- ☐ ASTM D-6480-99
- ☐ Qualitative☐

TEM WATER
- ☐ EPA 100.1
- ☐ EPA 100.2
- ☐ NYS 198.2

OTHER:

LEAD ANALYSIS

Flame Atomic Absorption
- ☐ Wipe, SW846-7420☐ASTM ☐ non ASTM
- ☐ Soil, SW846-7420
- ☐ Air, NIOSH 7082
- ☐ Chips, SW846-7420 or AOAC 5.009 (974.02)
- ☐ Wastewater, SW 846-7420
- ☐ TCLP LEAD SW846-1311/7420

Graphite Furnace Atomic Absorption
- ☐ Air, NIOSH 7105
- ☐ Wastewater, SW846-7421
- ☐ Soil, SW846-7421
- ☐ Drinking Water, EPA 239.2

ICP – Inductively Coupled Plasma
- ☐ Wipe, SW846-6010☐ASTM ☐ non ASTM
- ☐ Soil, SW846-6010
- ☐ Air, NIOSH 7300

MATERIALS ANALYSIS

- ☐ Full Particle Identification
- ☐ Optical Particle Identification
- ☐ Dust Mites and Insect Fragments
- ☐ Particle Size & Distribution
- ☐ Product Comparison
- ☐ Paint Characterizaton
- ☐ Failure Analysis
- ☐ Corrosion Analysis
- ☐ Glove Box Containment Study
- ☐ Petrographic Examination of Concrete
- ☐ Portland Cement in Workplace Atmospheres (OSHA ID-143)
- ☐ Man Made Vitrous Fibers – MMVF's
- ☐ Synthetic Fiber Identification
- ☐ Other:

MICROBIAL ANALYSIS

Air Samples
- ☐ Fungi by Air O Cell
- ☐ Fungi by Agar Plate Count & ID
- ☐ Bacterial Count and Gram Stain
- ☐ Bacterial Count and Identification

Water Samples
- ☐ Total Coliforms, Fecal Coliforms
- ☐ Escherichia Coli, Fecal Streptococcus
- ☐ Legionella
- ☐ Salmonella
- ☐ Giardia and Cryptosporidium

Tape and Bulk Samples
- ☐ Fungi – Direct Examination- Qualitative
- ☐ Fungi – Direct Examination with results reported in spores/mm2
- ☐ Fungi – Culture (Count & ID)
- ☐ Fungi – Culture (Speciation - 3 Most)
- ☐ Bacterial Count & Gram Stain
- ☐ Bacterial Count & Identification (3 most prominent types)
- ☐ Other:

IAQ ANALYSIS

- ☐ Nuisance Dust (NIOSH 0500 & 0600)
- ☐ Airborne Dust (PM10, TSP)
- ☐ Silica Analysis by XRD ☐Niosh 7500
- ☐ HVAC Efficiency
- ☐ Carbon Black
- ☐ Airborne Oil Mist
- ☐ Other:

Client Sample # (S) - **TOTAL SAMPLE #** 26

Relinquished:	TAWightman	**Date:**	09/11/06	**Time:**	1820
Received:	Kristen Stelle) DB.	**Date:**	9/11/06	**Time:**	6:20pm
Relinquished:		**Date:**		**Time:**	
Received:		**Date:**		**Time:**	

LA Testing 10772 Noel St., Los Alamitos, CA 90720 1-800-755-1794 Fax (714)761-2713
www.LATesting.com

5470

CHAIN OF CUSTODY

1-800-755-1794 www.LATesting.com

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	VOLUME Air (L)	Area (Inches sq.)
8136-B-01-01	DWTJC Hair Dry Rm		
8136-B-01-02	DWTJC Rm 2		
8136-B-01-03	DWTJC Hallway at Closet		
8136-B-02-01	Linoleum with 9x9 blue pattern Rm 2		
8136-B-02-02	Linoleum with 9x9 blue pattern Hair Dry Rm		
8136-B-02-03	Linoleum with 9x9 blue pattern Rm 1		
8136-B-03-01	Window Putty East Side		
8136-B-03-02	Window Putty West Side		
8136-B-03-03	Window Putty East Side		
8136-01-01	Smooth Plaster South of Entry		
8136-01-02	Smooth Plaster Southeast Bedroom		
8136-01-03	Smooth Plaster North Hallway		
8136-02-01	Exterior Stucco Southeast Corner		
8136-02-02	Exterior Stucco Northeast Corner		
8136-02-03	Exterior Stucco Southwest Corner		
8136-03-01	12x12 Vinyl Floor Tile with Multiple Layers Kitchen		
8136-03-02	12x12 Vinyl Floor Tile with Multiple Layers Kitchen		
8136-03-03	12x12 Vinyl Floor Tile with Multiple Layers Kitchen		
8136-04-01	Linoleum Flooring Brwn/Orange with 9x9 Pattern Bath 1		
8136-04-02	Linoleum Flooring Brwn/Orange with 9x9 Pattern Bath 1		
8136-04-03	Linoleum Flooring Brwn/Orange with 9x9 Pattern Bath 1		
8136-05-01	12x12 Vinyl Floor Tile with Brwn/Orange Marble Pattern Side Kitchen		
8136-06-01	12x12 Vinyl Floor Tile Beige with Gray Sides		
8136-07-01	Window Putty Northeast Corner		
8136-07-02	Window Putty Northwest Corner		
8136-07-03	Window Putty Southwest Corner		

Relinquished:	T. A. Wightman	**Date:**	09/11/06	**Time:**	1820
Received:		**Date:**		**Time:**	
Relinquished:		**Date:**		**Time:**	
Received:		**Date:**		**Time:**	

LA Testing 10772 Noel St., Los Alamitos, CA 90720 1-800-755-1794 Fax (714)761-2713
www.LATesting.com

2006 Phase II Subsurface Investigation

October 30, 2006

PHASE II
SUBSURFACE INVESTIGATION

343 South Highway 101
Solana Beach, California 92075

AEI Project Number 262387

Prepared For

MR. BRIAN O'ROURKE
COMERICA BANK
9777 Wilshire Boulevard, 4th Floor
Beverly Hills, California 90212

Prepared By

AEI CONSULTANTS
2447 Pacific Coast Highway, Suite 101
Hermosa Beach, California 90254
(310) 798-4255

AEI

AEI

AEI CONSULTANTS
ENVIRONMENTAL & CIVIL ENGINEERING
2447 Pacific Coast Highway, Suite 101, Hermosa Beach, CA 90254
Phone: (310) 798-4255 Fax: (310) 798-2841

October 30, 2006

Mr. Brian O'Rourke
Comerica Bank
9777 Wilshire Boulevard, 4th Floor
Beverly Hills, California 90212

Subject: **Phase II Subsurface Investigation**
343 South Highway 101
Solana Beach, California 92075
AEI Project Number 262387

Dear Mr. O'Rourke:

The following letter report describes the activities and results of the Phase II Subsurface Investigation (Phase II) conducted by AEI Consultants (AEI) at the above-referenced property. The purpose of the investigation was to determine whether or not a release had occurred from former on-site gasoline station operations. Authorization to conduct the investigation and prepare this Report was given by Comerica Bank through a signed copy of AEI Proposal Number 2006-21322.

I Property Description

The subject property is located on the north side of Dahlia Drive and the west side of South Highway 101 in a mixed commercial and residential area of Solana Beach. The immediately surrounding properties consist of the Avocado Trailer Park to the north and a commercial property to the west. Please see Figure 1 for a site vicinity map.

The subject property is approximately 11,800 square feet in size and is developed with a one-story commercial building that totals approximately 1,500 square feet. In addition to the building, the subject property is improved with asphalt- and concrete-paved parking areas. Please see Figure 2 for a site plan.

II Project History

According to historical records, a gasoline station previously occupied the subject property. The gasoline station maintained one 12,000-gasoline underground storage tank (UST); two 8,000-gallon gasoline USTs; and one 500-gallon waste oil UST, which were removed in February 1988. Please see Figure 2 for a map indicating the locations of the former gasoline station features as determined by historical records.

Impacted soil was encountered beneath the waste oil UST, which was subsequently excavated in March 1988. Based on field-screening results, no soil samples were collected in the vicinity of gasoline USTs. In addition, no records were available indicating that samples were collected in the vicinity of the former product dispenser islands and analyzed to determine if a release had occurred to the subsurface.

To assess potential impacts to the subsurface from former on-site gasoline station activities, AEI conducted a Phase II.

III Investigative Scope

The scope of the Phase II included a total of five soil borings and six soil vapor probes advanced throughout the subject property.

Site-Specific Health and Safety Plan

A site-specific Health and Safety Plan was reviewed and signed by all persons involved with the investigation prior to the commencement of any drilling activities conducted at the subject property. Please see Appendix A for a copy of the signed Health and Safety Plan.

Drilling Equipment and Duration of Subsurface Investigation

All borings were advanced on October 19, 2006 with a direct-push, truck-mounted Geoprobe 5400 rig. All casings, rods, and sampling equipment were decontaminated between boreholes to prevent cross-contamination.

Soil Boring/Sampling Locations

Soil boring AEI-B1 was advanced in the vicinity of the two former 8,000-gallon gasoline USTs. Soil boring AEI-B2 was advanced in the vicinity of the former 12,000-gallon gasoline UST. Soil borings AEI-B3 and AEI-B4 were advanced in the former locations of the east and west dispensers, respectively. Soil boring AEI-B5 was advanced in the former location of the 500-gallon waste oil UST.

Please see Figure 3 for a map indicating boring locations.

Soil Sampling Depths

Soil borings AEI-B1, AEI-B2, and AEI-B5 were advanced to a terminal depth of 20 feet below ground surface (bgs) with soil samples collected at 5, 10, 15, and 20 feet bgs. Soil borings AEI-B3 and AEI-B4 were advanced to a terminal depth of 10 feet bgs with soil samples collected at 5 and 10 feet bgs.

Soil Sampling Methods

Soil samples were collected in acetate tubes using the Geoprobe rig. Each sample was examined for lithological classification and field-screened with a photoionization detector (PID) and by visual and olfactory means. Please see Appendix B for boring logs from this investigation.

Samples were collected from the acetate tubes via Environmental Protection Agency (EPA) Method 5035 protocol using disposable plastic syringes and 40-milliliter (mL) volatile organics analysis (VOA) containers with sodium bisulfate ($NaHSO_4$) preservative. Following EPA Method 5035 sample collection, the acetate tubes were sealed on both ends with Teflon tape and plastic caps. All soil samples were labeled for identification and stored in an iced cooler.

All soil borings were backfilled with hydrated bentonite chips and capped with asphalt or concrete upon completion of soil sampling.

Soil Sample Laboratory Analysis

A total of 16 soil samples were collected on October 19, 2006. The samples were transported under proper chain-of-custody protocol to Alpha Scientific Corporation (ASC), a state-certified laboratory [Environmental Laboratory Accreditation Program (ELAP) Number 2633] in the City of Cerritos, California, for analysis on October 19, 2006. Ten soil samples were analyzed for carbon chain total petroleum hydrocarbons (TPH-cc) via EPA Method 8015M and for volatile organic compounds (VOCs) via EPA Method 8260B. Two soil samples were analyzed for California Administrative Manual (CAM) 17 Metals via EPA Method 6010B and 7470A.

Soil Vapor Probe Sampling Locations

Soil vapor probe AEI-SV1 was advanced in the area between the two former 8,000-gallon USTs and the eastern dispenser location. Soil vapor probe AEI-SV2 was advanced between the two former 8,000-gallon USTs and the western dispenser location. Soil vapor probes AEI-SV3 through AEI-SV6 were advanced on the southeast corner, south side, northeast corner, and north side of the subject property building, respectively.

Please see Figure 3 for a map indicating soil vapor probe locations.

Soil Vapor Probe Installation

Soil vapor probes were installed at each soil vapor sampling location by advancing 1.25-inch diameter Geoprobe rods to 5 feet bgs. The rods were withdrawn from the borehole and 1/8-inch diameter polyethylene tubing with a screened interval at the terminal depth was inserted into the borehole to the desired depth. Approximately 1 foot of sand was poured at the terminus of the soil vapor probe and approximately 1 foot of dry granular bentonite was poured on top of the sand pack. Hydrated granular bentonite was used to backfill the remaining annular borehole space to the ground surface. The probe was capped and labeled for identification after installation.

Soil Vapor Probe Sampling

Soil vapor samples were collected in general accordance with the February 25, 1997, Los Angeles Regional Water Quality Control Board (LARWQCB) "Interim Guidance for Active Soil Gas Investigation" and the January 28, 2003, Department of Toxic Substances Control (DTSC) and LARWQCB "Advisory – Active Soil Gas Investigations."

In general, the subsurface was allowed a minimum of 24 hours to equilibrate before the soil vapor probes were sampled. Before sampling took place, a leak-check test was performed on the sampling train and the sampling containers. After the sampling train and sampling containers were found to be leak-proof, approximately seven to ten soil vapor probe volumes were purged at a rate of 150 – 200 milliliters per minute before soil vapor samples were collected in glass sampling bulbs.

During sampling, a leak-check compound was placed near and around the sampling train in order to detect intrusion of ambient air. The leak-check compound was not detected during analysis, which indicated that there was no intrusion of ambient air during sampling.

After sampling, surrogate compounds were added to the sampling bulbs in order to determine whether or not the sampling bulbs had leaked before the containers were analyzed. All surrogate compounds had greater than 75% recovery, which indicated that the sampling bulbs did not leak before analysis. Please see Appendix C for additional information regarding soil vapor sampling methodology.

The soil vapor probes were removed, backfilled with hydrated bentonite clay, and capped with concrete upon completion of soil vapor analysis.

Soil Vapor Sample Laboratory Analysis

Soil vapor samples were collected on October 20, 2006, and analyzed by HydroGeoSpectrum (HGS), for volatile organic compounds (VOCs) via gas chromatography/mass spectroscopy (GC/MS).

Please see Table 1, below, for a summary of the borings and sampling schedule.

Table 1: Boring Locations and Sampling Schedule

Boring Identification	Location	Terminal Depth (feet bgs)	Matrix Sampled	Depths Sampled* (feet bgs)	Target Contaminants
AEI-B1	Former location of two 8,000-gallon gasoline USTs	20	Soil	5, 10, 15, **20**	TPH-cc, VOCs
AEI-B2	Former location of 12,000-gallon gasoline UST	20	Soil	5, 10, 15, **20**	TPH-cc, VOCs
AEI-B3	Former location of eastern dispenser	10	Soil	**5, 10**	TPH-cc, VOCs
AEI-B4	Former location of western dispenser	10	Soil	**5, 10**	TPH-cc, VOCs
AEI-B5	Former location of 500-gallon waste oil UST	20	Soil	**5**, 10, 15, **20**	TPH-cc, VOCs, CAM 17 Metals
AEI-SV1	Between the former 8,000-gallon USTs and the western dispenser	5	Soil Vapor	**5**	VOCs
AEI-SV2	Between the former 8,000-gallon USTs and the eastern dispenser	5	Soil Vapor	**5**	VOCs
AEI-SV3	Southeast corner of the subject property building	5	Soil Vapor	**5**	VOCs
AEI-SV4	South side of the subject property building	5	Soil Vapor	**5**	VOCs
AEI-SV5	Northeast corner of the subject property building	5	Soil Vapor	**5**	VOCs
AEI-SV6	North side of the subject property building	5	Soil Vapor	**5**	VOCs

Notes:
*Depths in **bold** laboratory analyzed for listed target contaminants
bgs = below ground surface
UST = underground storage tank
TPH-cc = carbon chain total petroleum hydrocarbons
VOCs = volatile organic compounds
CAM = California Administrative Manual

IV Lithology and Hydrogeology

According to the United States Department of Agriculture Soil Survey for San Diego Area, the subject property is underlain by soils of the Marina-Chesterton Association. The series consists of somewhat excessively drained to moderately well drained loamy coarse sands and fine sandy loams that have a subsoil of sandy clay over hardpan; 2 to 15 percent slopes. This associated is made up of soils that developed in ferruginous, windworked, weakly, consolidated sand. It occurs on broad rolling ridges parallel to the coast. The elevation ranges from sea level to 400 feet. Marina soils make up about 45 percent of the association, and Chesterton soils about 35 percent. Marina soils are somewhat excessively drained. They have a surface layer of dark yellowish-brown loamy coarse sand and a subsoil if strong-brown loamy coarse sand. Chesterton soils are moderately well drained. They have a surface layer of brown fine sandy loam, a subsoil of mottled red, brown, and gray sandy clay, and then an iron-silica cemented hardpan.

On-site soil borings indicate that the top 20 feet of soil generally consists of white to medium brown fine- to medium-grained sand. These soils were found to be generally dense, moist, and have no discernable odor or discoloration.

Based on a review of the United States Geological Survey (USGS) Del Mar OEW Quadrangle Topographic Map, the subject property is situated 70 feet above mean sea level (amsl), and the local topography is sloping to the west. The nearest surface water is the Pacific Ocean, located 0.16 mile west of the subject property. Based on topographic map interpretation and site observations, the inferred flow direction of groundwater at the subject property is to the west.

A search on the Geographic Environmental Information Management System (GEIMS) accessed through the GeoTracker Web Interface showed that the closest monitoring well to the subject property is part of a monitoring well network for a Leaking Underground Storage Tank (LUST) site located on Via De La Valle in the City of Del Mar, California. The well is approximately 1.1 miles southeast of the subject property. The LUST site was identified as Del Mar Texaco and is under the guidance of the San Diego Regional Water Quality Control Board (SDRWQCB) as case number 9UT2802. There are seven monitoring wells located on-site with depths to groundwater between 16.72 and 20.21 feet bgs, an average of 19 feet bgs. The average surface elevation of the wells is approximately 21 feet amsl, approximately 49 feet below the surface elevation of the subject property. The wells were last gauged on March 2, 2006. No groundwater was encountered during this investigation.

V Results of Analytical Laboratory Tests

ASC reported the results of the soil sample laboratory analyses on October 23, 2006. Please see Table 2 for a summary of the soil sample TPH-cc analysis results. Please see Table 3 for a summary of the soil sample VOC analysis results. Please see Table 4 for a summary of the soil sample CAM 17 Metals analysis results.

Table 2: Soil Sample TPH-cc Laboratory Results (mg/kg)

Sample Identification	TPH-g	TPH-d	TPH-o
AEI-B1-5'	ND	ND	ND
AEI-B1-20'	ND	ND	ND
AEI-B2-5'	ND	ND	ND
AEI-B2-20'	ND	ND	ND
AEI-B3-5'	ND	ND	ND
AEI-B3-10'	ND	ND	ND
AEI-B4-5'	ND	ND	ND
AEI-B4-10'	ND	ND	ND
AEI-B5-5'	ND	ND	ND
AEI-B5-20'	ND	ND	ND

Notes:
TPH-cc = carbon chain total petroleum hydrocarbons
mg/kg = milligrams per kilogram
TPH-g = total petroleum hydrocarbons as gasoline
TPH-d = total petroleum hydrocarbons as diesel
TPH-o = total petroleum hydrocarbons as oil
ND = not detected above laboratory reporting limits (refer to laboratory report for detection limits)

Table 3: Soil Sample VOCs Laboratory Results (µg/kg)

Sample Identification	B	T	E	X	MTBE	All Other VOCs
AEI-B1-5'	ND	ND	ND	ND	ND	ND
AEI-B1-20'	ND	ND	ND	ND	ND	ND
AEI-B2-5'	ND	ND	ND	ND	ND	ND
AEI-B2-20'	ND	ND	ND	ND	ND	ND
AEI-B3-5'	ND	ND	ND	ND	ND	ND
AEI-B3-10'	ND	ND	ND	ND	ND	ND
AEI-B4-5'	ND	ND	ND	ND	ND	ND
AEI-B4-10'	ND	ND	ND	ND	ND	ND
AEI-B5-5'	ND	ND	ND	ND	ND	ND
AEI-B5-20'	ND	ND	ND	ND	ND	ND

Notes:
VOCs = volatile organic compounds
µg/kg = micrograms per kilogram
B = benzene
T = toluene
E = ethylbenzene
X = xylenes
MTBE = methyl tertiary butyl ether
ND = not detected above laboratory reporting limits (refer to laboratory report for detection limits)

Table 4: Soil Sample CAM 17 Metals Laboratory Results (mg/kg)

Element	Sample Identification		Background Concentrations*
	AEI-B5-5'	AEI-B5-20'	
Antimony (Sb)	ND	ND	0.60
Arsenic (As)	1.2	ND	3.5
Barium (Ba)	28	7.2	509
Beryllium (Be)	ND	ND	1.28
Cadmium (Cd)	ND	ND	0.36
Chromium (Cr)	ND	ND	122
Cobalt (Co)	5.3	ND	14.9
Copper (Cu)	2.2	3.0	28.7
Lead (Pb)	ND	ND	23.9
Mercury (Hg)	ND	ND	0.26
Molybdenum (Mo)	ND	ND	1.3
Nickel (Ni)	2.8	ND	57
Selenium (Se)	ND	ND	0.058
Silver (Ag)	ND	ND	0.80
Thallium (Tl)	ND	ND	0.56
Vanadium (V)	49	5.9	112
Zinc (Zn)	18	9.8	149

Notes:
CAM = California Administrative Manual
*From Kearney Foundation of Soil Science March 1996 report *Background Concentrations of Trace and Major Elements in California Soils*
mg/kg = milligrams per kilogram
ND = not detected above laboratory reporting limits (refer to laboratory report for detection limits)

HGS reported the results of the soil vapor sample laboratory analyses on October 21, 2006. Please see Table 5, shown on the next page, for a summary of the soil vapor sample analysis results.

Table 5: Soil Vapor Sample Laboratory Results (µg/L)

Sample Identification	All VOCs
AEI-SV1	ND
AEI-SV2	ND
AEI-SV3	ND
AEI-SV5	ND
AEI-SV6	ND

Notes:
µg/L = micrograms per liter
VOCs = volatile organic compounds
ND = not detected above laboratory reporting limits (refer to laboratory report for detection limits)

Please see Appendix C for a copy of the laboratory results and chain-of-custody documentation for this investigation.

VI Discussion

Total petroleum hydrocarbons as gasoline (TPH-g), total petroleum hydrocarbons as diesel (TPH-d), and total petroleum hydrocarbons as oil (TPH-o) were not detected in any analyzed soil samples.

No VOCs were detected in any of the soil samples analyzed.

All of the analyzed soil samples had essentially background concentrations of CAM 17 Metals as compared to the March 1996 findings of the Kearney Foundation for California soils. The metals identified in the soil samples should be considered as normal concentrations that naturally exist in California soils.

No VOCs were detected in any of the soil vapor samples collected.

VII Conclusions

During this investigation, AEI advanced five soil borings and six soil vapor probes throughout the subject property. Ten soil samples were analyzed for TPH-cc via EPA Method 8015M and for VOCs via EPA Method 8260B. Two soil samples were analyzed for CAM 17 Metals via EPA Method 6010B/7470A. Six soil vapor samples were analyzed for VOCs via GC/MS. Groundwater was not encountered during this investigation.

No evidence of a significant release from former on-site gasoline station operations was detected during this investigation. AEI recommends no further investigation at this time.

VIII Report Limitations

This report presents a summary of work completed by AEI, and has been prepared for Comerica Bank as it pertains to the property located at 343 South Highway 101 in the City of Solana Beach, California. Neither this report, nor any of the information contained herein shall be used or relied upon by any other person or entity other than Comerica Bank.

The completed work includes observations and descriptions of site conditions encountered. Where appropriate, the report includes analytical results for samples taken during the course of the work. All conclusions and/or recommendations are based on these analyses, observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document.

The number and location of samples were chosen to provide the required information, but it cannot be assumed that they are representative of areas not sampled. The variations that may exist between sampling points cannot be anticipated, nor could they be entirely accounted for, in spite of exhaustive additional testing.

This report should not be regarded as a guarantee that no further contamination beyond that which could have been detected within the scope of this investigation is present beneath the subject property. Undocumented, unauthorized releases of hazardous material, the remains of which are not readily identifiable by visual inspection and are of different chemical constituents, are difficult and often impossible to detect within the scope of a chemical specific investigation. All specified work has been performed in accordance with generally accepted practices in geotechnical environmental engineering, engineering geology, and hydrogeology. No other warranty, either expressed or implied, is made.

If you have any questions regarding this investigation, please do not hesitate to contact the undersigned at (310) 798-4255.

Sincerely,

AEI CONSULTANTS

Agatha Mondala, PE
Project Manager

Joseph P. Derhake, PE
Principal

Figures:
1. Site Vicinity Map
2. Site Plan
3. Soil Boring Locations

Appendices:
A. Health and Safety Plan
B. Boring Logs
C. Laboratory Results
D. Comerica Consultants Checklist

Figures

N

USGS TOPOGRAPHIC MAP
DEL MAR OEW QUADRANGLE
Created 1975, Revised 1975

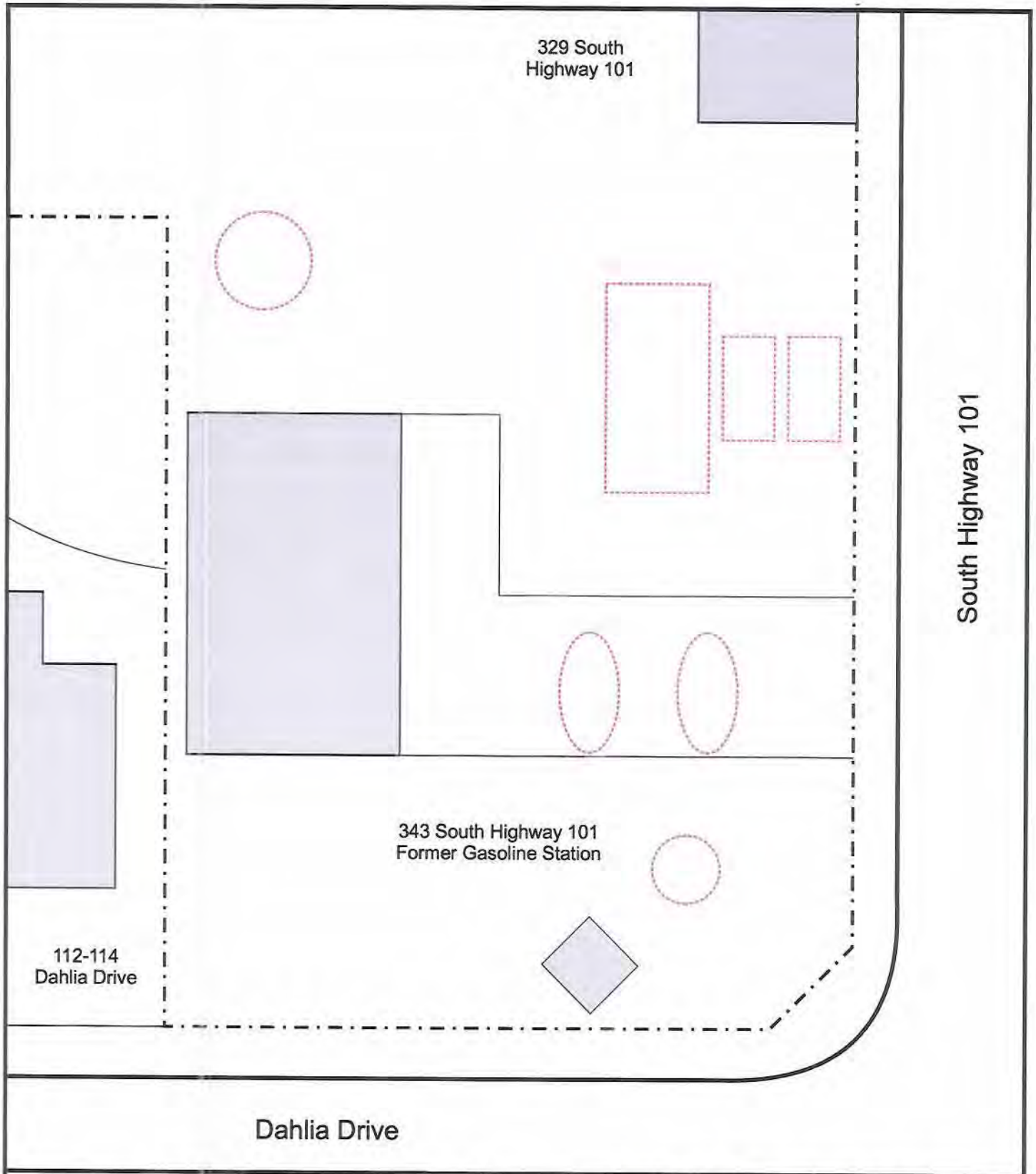
AEI CONSULTANTS
2447 Pacific Coast Highway, Suite 101, Hermosa Beach, CA

October 2006		
Drawn by: AM		Figure 1

Site Vicinity Map

329 South Highway 101
Solana Beach, California 92075

Project # 262387



LEGEND

N

Subject Property Line

Former Gasoline Station USTs and Dispenser Locations

AEI CONSULTANTS

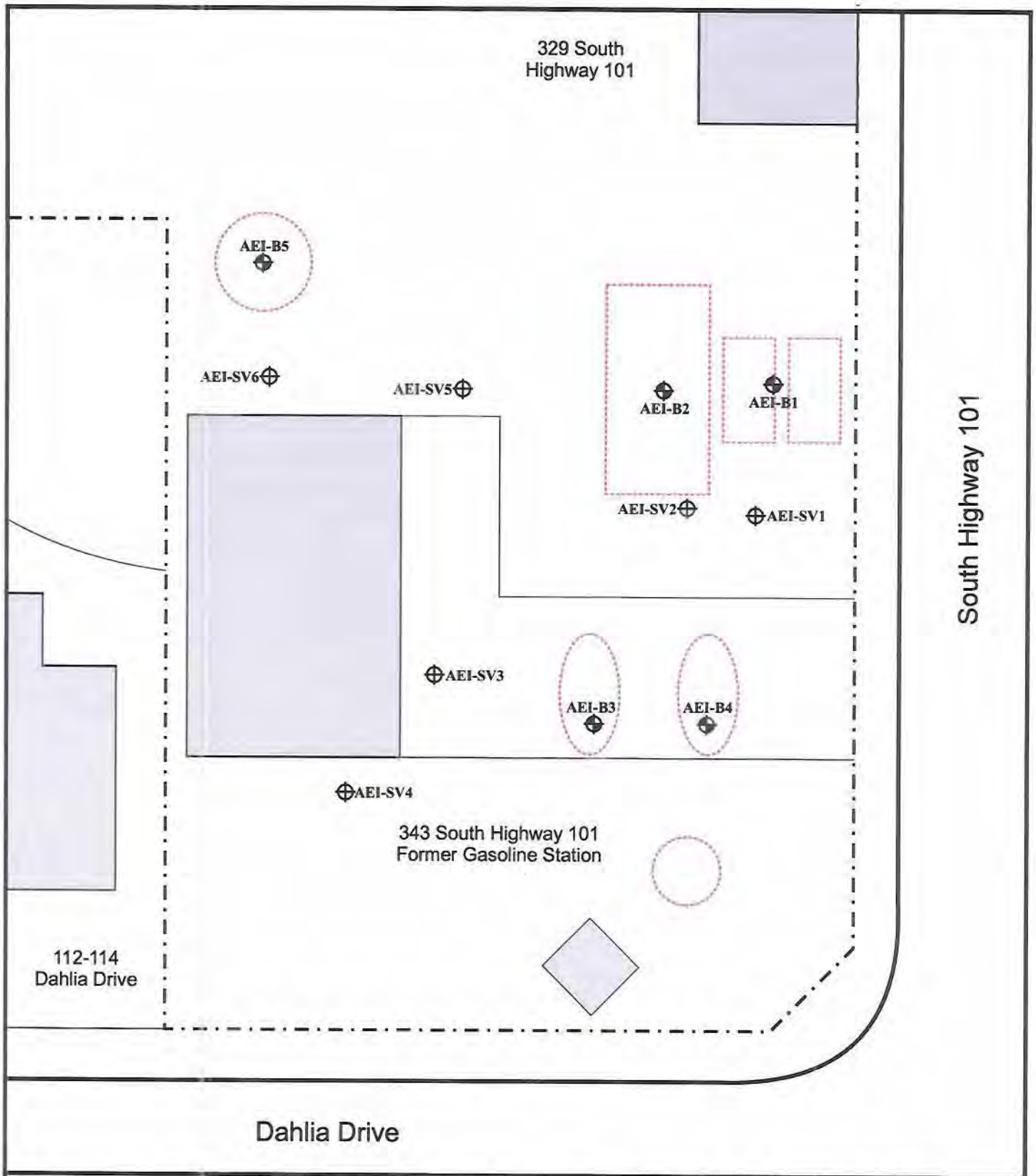
2447 Pacific Coast Highway, Suite 101, Hermosa Beach, CA

October 2006	Approximate Scale	
Drawn by: AM	1" = 20'	Figure 2

Site Plan

329 South Highway 101
Solana Beach, California 92075

Project # 262387



LEGEND

N

- Subject Property Line
- Former Gasoline Station USTs and Dispenser Locations
- AEI-B5 Soil Boring Locations
- AEI-SV6 Soil Vapor Probe

AEI CONSULTANTS

2447 Pacific Coast Highway, Suite 101, Hermosa Beach, CA

October 2006	Approximate Scale	
Drawn by: AM	1" = 20'	Figure 3

Boring Locations

329 South Highway 101
Solana Beach, California 92075

Project # 262387

Appendix A:

Health and Safety Plan

HEALTH AND SAFETY PLAN

Prepared for:

Phase II Subsurface Investigation
at
343 South Highway 101
Solana Beach, California 92075

A. INTRODUCTION

This Health and Safety Plan is written for the Phase II Subsurface Investigation being conducted at 343 South Highway 101 in the City of Solana Beach, California. All job site personnel will follow CAL OSHA safe operating practices as outlined in 29 CFR 1910 and 1926, as well as established guidelines set forth by AEI or their respective companies.

B. WORK DESCRIPTION

Site Manager:	Agatha Mondala 310-798-4255
Project Safety Manager:	Joseph Derhake 310-798-4255
Address:	343 South Highway 101 Solana Beach, California 92075

All of the samples collected will be analyzed by a state certified laboratory, and the entire project will be performed under the responsible charge of a registered professional civil engineer.

C. SITE/WASTE CHARACTERISTICS

Hazard Level:	Serious: Low: XXX Moderate: Unknown:
Waste Type:	Solid: XXX Sludge: Liquid: Gas: XXX
Hazard Characteristics:	Toxic

D. HAZARD EVALUATION

Potential hazards include skin and eye contact or inhalation exposure to potentially toxic concentrations of hazardous chemicals. The potential toxic compounds that may exist at the site are listed below with descriptions of specific health effects of each. The list includes the primary potential toxic constituents that may be found at sites previously handling petroleum hydrocarbons.

1. Benzene
   a. Colorless to light yellow, flammable liquid with an aromatic odor.
   b. Toxic hazard by **inhalation, adsorption, ingestion** and **skin and/or eye contact.**
   c. Exposure may irritate eyes, nose and respiratory system and may cause acute restlessness, convulsions, nausea, or depression. Benzene is carcinogenic.*
   d. Permissible exposure level (PEL) for a time weighted average (TWA) over an eight hour period is 1.0 ppm.

2. Toluene
   a. Colorless liquid with a sweet, pungent, benzene like odor.
   b. Toxic hazard by **inhalation, adsorption, ingestion** and **skin and/or eye contact.**
   c. Exposure may cause fatigue, weakness, confusion, euphoria, dizziness, headaches, dilated pupils, lacrimation, nervousness, insomnia, paresthesia, and dermatitis.
   d. Permissible exposure level for a time-weighted average over an eight-hour period is 100 ppm.

3. Xylene
   a. Colorless liquid with an aromatic odor.
   b. Toxic hazard by **inhalation, adsorption, ingestion** and **skin and/or eye contact.**
   c. Exposure may irritate eyes nose and throat and may cause dizziness, excitement, drowsiness, incoordination, corneal vacuolization, anorexia, nausea, vomiting, and dermatitis.
   d. Permissible exposure level for a time-weighted average over an eight-hour period is 100 ppm.

4. Ethylbenzene
   a. Colorless liquid with an aromatic odor.
   b. Toxic hazard by **inhalation, ingestion**, and **skin and/or eye contact.** Ethylbenzene is carcinogenic.*
   c. Exposure may irritate eyes and mucous membrane and may cause headaches, dermatitis, narcosis and loss of consciousness.
   d. Permissible exposure level for a time-weighted average over an eight-hour period is 100 ppm.

5. Lead

a. A heavy ductile soft gray metal.
b. Toxic hazard by **inhalation, ingestion,** and **skin and/or eye contact.**
c. Exposure may cause weakness, nausea, lassitude, diarrhea, insomnia, anorexia, inflamed mucous membranes and abdominal pains. Lead is carcinogenic.*
d. Permissible exposure level for a time-weighted average over an eight-hour period is 0.05 ppb (in vapor).

6. Gasoline

a. Colorless liquid with a strong aromatic odor. Highly volatile and extremely flammable.
b. Toxic hazard by **inhalation, adsorption, ingestion** and **skin and/or eye contact.**
c. Inhalation of vapors can cause depression of the central nervous system with symptoms such as headache, dizziness, nausea and loss of coordination. Skin contact can cause defatting of the skin, skin irritation and dermatitis. Benzene is a major constituent of gasoline.
d. Permissible exposure level for a time-weighted average over an eight-hour period is 300 ppm.

7. MTBE

a. Colorless liquids with aromatic odor
b. Toxic hazard by **inhalation, absorption, ingestion** and **skin and/or eye contact.**
c. Exposure may irritate eyes, nose and respiratory system and may cause acute restlessness, convulsions, nausea, or depression. MTBE is carcinogenic.*
d. Permissible exposure level (PEL) for a time weighted average (TWA) over an eight hour period is 1.0 ppm.

8. Tetrachloroethylene (PCE)

a. Colorless liquid with a mild, chloroform-like odor.
b. Toxic hazard by **inhalation, adsorption, ingestion** and **skin and/or eye contact.**
c. Exposure may irritate eyes, nose, throat; create nausea, dizziness, flush face and neck; ingestion may cause liver damage; carcinogenic*
d. Permissible exposure level (PEL) for a time-weighted average (TWA) over an eight-hour period is 25.0 ppm.

9. Trichloroethylene (TCE)

a. Colorless liquid with a sweet, chloroform-like odor.
b. Toxic hazard by **inhalation, adsorption, ingestion** and **skin and/or eye contact.**
c. Exposure may irritate nose and eyes and may cause depression of the Central Nervous System; carcinogenic*.
d. Permissible exposure level (PEL) for a time-weighted average (TWA) over an eight-hour period is 10.0 ppm.

10. Cis-1,2 Dichloroethene (Cis-1,2-DCE)
    a. Colorless liquid with a chloroform-like odor.
    b. Toxic hazard by **inhalation, adsorption, ingestion** and **skin and/or eye contact.**
    c. Exposure may irritate nose and eyes and may cause depression of the Central Nervous System; carcinogenic*.
    d. Permissible exposure level (PEL) for a time-weighted average (TWA) over an eight-hour period is 10.0 ppm.

11. Trans-1,2 Dichloroethene
    a. Colorless liquid with a chloroform-like odor.
    b. Toxic hazard by **inhalation, adsorption, ingestion** and **skin and/or eye contact.**
    c. Exposure may irritate nose and eyes and may cause depression of the Central Nervous System; carcinogenic*.
    d. Permissible exposure level (PEL) for a time-weighted average (TWA) over an eight-hour period is 10.0 ppm.

All of the chemical hazards discussed above are primarily inhalation hazards. Work exposure will be monitored by the air-monitoring program, as discussed in Section F.

*** Known to the State of California to cause cancer.**

E. PERSONAL PROTECTIVE CLOTHING

Based on evaluation of potential hazards, level "D" protective clothing has been designated as the appropriate protection for this project. The level of protective clothing will be upgraded if the organic vapor levels in the operator's breathing zone exceed 5 ppm above background levels continuously for more than five minutes, or if any single reading exceeds 25 ppm. If this occurs then level C protection will be used. If the organic concentration in the operator's breathing zone exceeds 200 ppm for 5 minutes and/or the organic vapor concentration two feet above the excavation exceeds 1,000 ppm or 10% of the lower explosive limit, then the equipment will be shut down and the site evacuated. If organic vapor concentrations exceed 200 ppm and work continues then level B protection will be required.

"EPA Standard Operating Safety Guidelines" defines the levels of protective clothing as follows:

LEVEL A:
Fully encapsulating suit / SCBA / Hard hat / Steel toe boots / Safety gloves.

LEVEL B:
Splash resistant suit / SCBA / Hard Hat / Steel toe boots / Safety gloves.

LEVEL C:
Half face respirator / Hard hat / Safety glasses / Steel toe boots / Coveralls / Gloves.

LEVEL D:
Coveralls / Hardhat / Safety Glasses / Steel toe boots / Gloves.

If air-purifying respirators are authorized, organic vapor w-filter is the appropriate canister for use with the involved substances and concentrations. A competent individual has determined that all criteria for using this type of respiratory protection have been met.

NO CHANGES TO THE SPECIFIED LEVELS OF PROTECTION SHALL BE MADE WITHOUT THE APPROVAL OF THE COMPANY SAFETY OFFICER, J.P. DERHAKE.

A FIRST AID KIT AND A 40 POUND BC FIRE EXTINGUISHER WILL BE AVAILABLE ON SITE.

EMERGENCY SERVICES ARE AVAILABLE BY DIALING 911 ON THE TELEPHONE LOCATED IN THE SITE MANAGER'S VEHICLE. THIS VEHICLE WILL BE ON SITE AT ALL TIMES.

F. MONITORING INSTRUMENTS

A photoionization detector will be used to monitor ambient air contaminant concentration. The photoionization detector will be calibrated prior to the start of on-site activities by trained personnel. Readings will be taken at the discretion of the Site Manager based on on-site observations.

G. WORKER SAFETY

There will be a 3-foot boundary surrounding the work area. The area within this boundary is considered an exclusion zone and only qualified personnel will be allowed to enter. All personnel arriving or departing the site should log in before entering the exclusion zone. All activities on site must be cleared through the Site Manager. Agatha Mondala has been designated to coordinate access control and security on site. Joseph Derhake is the designated Project Safety Officer. All work will strictly follow OSHA guidelines. In the event of an emergency, the Site Manager must be notified. All emergency activities will be coordinated through the Project Safety Manager and local emergency personnel. Any injury must be promptly reported to arrange proper medical care.

H. EMERGENCY INSTRUCTIONS

In the event of an emergency, all on-site activities shall cease. If practical, all on-site equipment shall be shut down. All personnel are required to immediately report to the site manager for instructions. If complete site evacuation is necessary, all personnel shall meet at the reconnoiter spot, identified as the **SOUTHEASTER CORNER OF THE PROPERTY AT THE INTERSECTION OF SOUTH HIGHWAY 101 AND DAHLIA DRIVE**. If necessary, local authorities and medical response agencies shall be notified. Work will commence again at the discretion of the Project Safety Manager and/or local authorities.

I. EMERGENCY HOSPITAL

The closest hospital with an emergency room is:

Script Memorial Hospital
354 Santa Fe Drive
Encinitas, California 92024
(760) 633-6501

Distance: 6.3 miles **Approximate Travel Time:** 6 mins

1. Start at **343 S HIGHWAY 101, SOLANA BEACH** on **OLD HWY 101** going toward **DAHLIA DR** - go **0.6** mi
2. Turn L on **VIA DE LA VALLE** - go **1.0** mi
3. Take ramp onto **I-5 NORTH** toward **LOS ANGELES** - go **4.3** mi
4. Take the **SANTA FE DR** exit toward **ENCINITAS** - go **0.2** mi
5. Turn L on **SANTA FE DR** - go **0.2** mi
6. Arrive at **354 SANTA FE DR, ENCINITAS,** on the R

J. READ AND SIGN

The work party was briefed on the contents of this plan on 10/19 at 8am. All site personnel have read the above plan and are familiar with its provisions.

NAME:	SIGNATURE:	COMPANY NAME:
ROB GIBERSON		HGS
Alex Smith		HGS
Frank Salvo	10/19/06	AEI
Agatha Mondala		AEI

Appendix B:

Boring Logs

AEI Consultants
2447 Pacific Coast Hwy, Suite 101
Hermosa Beach, CA 90254
Telephone: (310) 798-4255
Fax: (310) 798-2841

BORING NUMBER AEI-B1

PROJECT NUMBER/NAME Solana Beach / 262387

PROJECT ADDRESS 343 South Highway 101, Solana Beach **CLIENT** Comerica Bank

DRILLING DATE 10/19/06 **TOTAL DEPTH** 20 Feet **GROUND ELEVATION** approximately 70 feet amsl

CONTRACTOR HydroGeoSpectrum **DEPTH TO FIRST GROUNDWATER:** Not encountered **DEPTH TO STATIC GROUNDWATER:** Not encountered

METHOD Direct-push, Limited-access Geoprobe rig - Acetate / 5035

LOGGED BY A. Mondala **CHECKED BY** J. Derhake **NOTES** Backfilled with hydrated bentonite chips, capped

BORING LOCATION Former location of two 8,000-gallon gasoline USTs

DEPTH (ft)	SAMPLE TYPE NUMBER	PID (ppm)	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION	NOTES
0					Asphalt paving at surface	
5	AEI-B1-5	0	SP		Medium brown, fine to medium SAND, medium dense, moist	No odor or discoloration
10	AEI-B1-10	0	SP		Medium brown, fine to medium SAND, medium dense, moist	No odor or discoloration
15	AEI-B1-15	0	SP		Light brown/white, fine SAND, medium dense, moist	No odor or discoloration
20	AEI-B1-20	0	SP		Light brown/white, fine to medium SAND, trace gravel, medium dense, moist	No odor or discoloration
					Bottom of hole at 20.0 feet.	

AEI Consultants
2447 Pacific Coast Hwy, Suite 101
Hermosa Beach, CA 90254
Telephone: (310) 798-4255
Fax: (310) 798-2841

BORING NUMBER AEI-B2

PROJECT NUMBER/NAME Solana Beach / 262387

PROJECT ADDRESS 343 South Highway 101, Solana Beach **CLIENT** Comerica Bank

DRILLING DATE 10/19/06 **TOTAL DEPTH** 20 Feet **GROUND ELEVATION** approximately 70 feet amsl

CONTRACTOR HydroGeoSpectrum **DEPTH TO FIRST GROUNDWATER:** Not encountered **DEPTH TO STATIC GROUNDWATER:** Not encountered

METHOD Direct-push, Limited-access Geoprobe rig - Acetate / 5035

LOGGED BY A. Mondala **CHECKED BY** J. Derhake **NOTES** Backfilled with hydrated bentonite chips, capped

BORING LOCATION Former location of 12,000-gallon gasoline UST

DEPTH (ft)	SAMPLE TYPE NUMBER	PID (ppm)	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION	NOTES
0					Asphalt paving at surface	
5	AEI-B2-5	0	SP		Medium brown, fine to medium SAND, medium dense, moist	No odor or discoloration
10	AEI-B2-10	0	SP		Medium brown, fine to medium SAND, medium dense, moist	No odor or discoloration
15	AEI-B2-15	0	SP		Light brown/white, fine SAND, medium dense, moist	No odor or discoloration
20	AEI-B2-20	0	SP		Light brown/white, fine to medium SAND, medium dense, moist Bottom of hole at 20.0 feet.	No odor or discoloration

AEI Consultants
2447 Pacific Coast Hwy, Suite 101
Hermosa Beach, CA 90254
Telephone: (310) 798-4255
Fax: (310) 798-2841

BORING NUMBER AEI-B3

PROJECT NUMBER/NAME Solana Beach / 262387

PROJECT ADDRESS 343 South Highway 101, Solana Beach **CLIENT** Comerica Bank

DRILLING DATE 10/19/06 **TOTAL DEPTH** 10 Feet **GROUND ELEVATION** approximately 70 feet amsl

CONTRACTOR HydroGeoSpectrum **DEPTH TO FIRST GROUNDWATER:** Not encountered **DEPTH TO STATIC GROUNDWATER:** Not encountered

METHOD Direct-push, Limited-access Geoprobe rig - Acetate / 5035

LOGGED BY A. Mondala **CHECKED BY** J. Derhake **NOTES** Backfilled with hydrated bentonite chips, capped

BORING LOCATION Former location of eastern dispenser location

DEPTH (ft)	SAMPLE TYPE NUMBER	PID (ppm)	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION	NOTES
0					Concrete paving at surface	
5	AEI-B3-5	0	SP		Medium brown, fine to medium SAND, medium dense, moist	No odor or discoloration
10	AEI-B3-10	0	SP		Light brown, fine to medium SAND, medium dense, moist	No odor or discoloration
					Bottom of hole at 10.0 feet.	

AEI Consultants
2447 Pacific Coast Hwy, Suite 101
Hermosa Beach, CA 90254
Telephone: (310) 798-4255
Fax: (310) 798-2841

BORING NUMBER AEI-B4

PROJECT NUMBER/NAME Solana Beach / 262387

PROJECT ADDRESS 343 South Highway 101, Solana Beach **CLIENT** Comerica Bank

DRILLING DATE 10/19/06 **TOTAL DEPTH** 10 Feet **GROUND ELEVATION** approximately 70 feet amsl

CONTRACTOR HydroGeoSpectrum **DEPTH TO FIRST GROUNDWATER:** Not encountered **DEPTH TO STATIC GROUNDWATER:** Not encountered

METHOD Direct-push, Limited-access Geoprobe rig - Acetate / 5035

LOGGED BY A. Mondala **CHECKED BY** J. Derhake **NOTES** Backfilled with hydrated bentonite chips, capped

BORING LOCATION Former location of western dispenser location

DEPTH (ft)	SAMPLE TYPE NUMBER	PID (ppm)	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION	NOTES
0					Concrete paving at surface	
5	AEI-B4-5	0	SP		Medium brown, fine to medium SAND, dense, moist	No odor or discoloration
10	AEI-B4-10	0	SP		Light brown, fine to medium SAND, medium dense, moist Bottom of hole at 10.0 feet.	No odor or discoloration

AEI Consultants
2447 Pacific Coast Hwy, Suite 101
Hermosa Beach, CA 90254
Telephone: (310) 798-4255
Fax: (310) 798-2841

BORING NUMBER AEI-B5

PROJECT NUMBER/NAME Solana Beach / 262387

PROJECT ADDRESS 343 South Highway 101, Solana Beach **CLIENT** Comerica Bank

DRILLING DATE 10/19/06 **TOTAL DEPTH** 20 Feet **GROUND ELEVATION** approximately 70 feet amsl

CONTRACTOR HydroGeoSpectrum **DEPTH TO FIRST GROUNDWATER:** Not encountered **DEPTH TO STATIC GROUNDWATER:** Not encountered

METHOD Direct-push, Limited-access Geoprobe rig - Acetate / 5035

LOGGED BY A. Mondala **CHECKED BY** J. Derhake **NOTES** Backfilled with hydrated bentonite chips, capped

BORING LOCATION Former location of 500-gallon waste oil UST

DEPTH (ft)	SAMPLE TYPE NUMBER	PID (ppm)	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION	NOTES
0					Asphalt paving at surface	
5	AEI-B5-5	0	SP		Light brown, fine to medium SAND, medium dense, moist	No odor or discoloration
10	AEI-B5-10	0	SP		Light gray, fine to medium SAND, medium dense, moist	No odor or discoloration
15	AEI-B5-15	0	SP		Light gray, fine to medium SAND, medium dense, moist	No odor or discoloration
20	AEI-B5-20	0	SP		Light brown/white, fine to medium SAND, medium dense, moist Bottom of hole at 20.0 feet.	No odor or discoloration

Appendix C:

Laboratory Results

Alpha Scientific Corporation
Environmental Laboratories

10-23-2006

Ms. Agatha Mondala
AEI Consultants
2447 Pacific Coast Hwy., Suite 101
Hermosa Beach, CA 90254

Project: 262387
Project Site: Solana Beach
Sample Date: 10-19-2006
Lab Job No.: AI610085

Dear Ms. Mondala:

Enclosed please find the analytical report for the sample(s) received by Alpha Scientific Corporation on 10-19-2006 and analyzed by the following EPA methods:

EPA 8015M (Total Petroleum Hydrocarbons)
EPA 8260B (VOCs & Oxygenates by GC/MS)
EPA 6010B/7471A for CAM Metals

All analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

Alpha Scientific Corporation is a CA DHS certified laboratory (Certificate Number 2633). Thank you for giving us the opportunity to serve you. Please feel free to call me at (562) 809-8880 if our laboratory can be of further service to you.

Sincerely,

Roger Wang, Ph. D.
Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.

Client:	AEI Consultants	Lab Job No.:	AI610085
Project:	262387		
Project Site:	Solana Beach	Date Sampled:	10-19-2006
Matrix:	Soil	Date Received:	10-19-2006
Prepared Method for TPH-g:	EPA5035	Date Pepared:	10-20-2006
Batch No. for TPH-g:	CMJ20-GS1	Date Analyzed:	10-20-2006
Batch No. for TPH-d:	EJ19-DS1	Date Analyzed:	10-20-2006
		Date Reported:	10-23-2006

EPA 8015M (Total Petroleum Hydrocarbons)
Reporting Units: mg/kg (ppm)

Sample ID	Lab ID	C4-C12 (Gasoline Range)*	C13-C23 (Diesel Range)	C24-C40 (Oil Range)
Method Detection Limit		0.5	5	50
Method Blank		ND	ND	ND
Method Blank		ND	ND	ND
AEI-B1-5'	AI610085-1	ND	ND	ND
AEI-B1-20'	AI610085-2	ND	ND	ND
AEI-B2-5'	AI610085-3	ND	ND	ND
AEI-B2-20'	AI610085-4	ND	ND	ND
AEI-B3-5'	AI610085-5	ND	ND	ND
AEI-B3-10'	AI610085-6	ND	ND	ND
AEI-B4-5'	AI610085-7	ND	ND	ND
AEI-B4-10'	AI610085-8	ND	ND	ND
AEI-B5-5'	AI610085-9	ND	ND	ND
AEI-B5-20'	AI610085-10	ND	ND	ND

* Gasoline Range TPH results were obtained from Purge & Trap analysis.
ND: Not Detected (below RL).

Client: AEI Consultants
Project: 262387

Lab Job No.: AI610085
Matrix: Soil

Date Reported: 10-23-2006
Date Sampled: 10-19-2006

EPA 8260B (VOCs by GC/MS, Page 1 of 2) Reporting Unit: µg/kg(ppb)

DATE ANALYZED		10-20	10-20-06	10-20-06	10-20-06	10-20-06	10-20-06
PREP. MEHTOD		5035	5035	5035	5035	5035	5035
DILUTION FACTOR		1	1	1	1	1	1
LAB SAMPLE I.D.			AI610085-1	AI610085-2	AI610085-3	AI610085-4	AI610085-5
CLIENT SAMPLE I.D.			AEI-B1-5'	AEI-B1-20'	AEI-B2-5'	AEI-B2-20'	AEI-B3-5'
COMPOUND	MDL	MB					
Dichlorodifluoromethane	5	ND	ND	ND	ND	ND	ND
Chloromethane	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	5	ND	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Iodomethane	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	5	ND	ND	ND	ND	ND	ND
Chloroform	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5	ND	ND	ND	ND	ND	ND
Benzene	2	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	5	ND	ND	ND	ND	ND	ND
Dibromomethane	5	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	5	ND	ND	ND	ND	ND	ND
Bromoform	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND
Bromobenzene	5	ND	ND	ND	ND	ND	ND

Client: AEI Consultants
Project: 262387

Lab Job No.: AI61008
Matrix: Soil

Date Reported: 10-23-2006
Date Sampled: 10-19-2006

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	MB	AEI-B1-5'	AEI-B1-20'	AEI-B2-5'	AEI-B2-20'	AEI-B3-5'
Toluene	2	ND	ND	ND	ND	ND	ND
Tetrachloroethene	4	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane(EDB)	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	2	ND	ND	ND	ND	ND	ND
Total Xylenes	2	ND	ND	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	5	ND	ND	ND	ND	ND	ND
Naphthalene	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	ND	ND	ND	ND	ND	ND
Carbon disulfide	50	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	50	ND	ND	ND	ND	ND	ND
2-Hexanone	50	ND	ND	ND	ND	ND	ND
MTBE	5	ND	ND	ND	ND	ND	ND
ETBE	5	ND	ND	ND	ND	ND	ND
DIPE	5	ND	ND	ND	ND	ND	ND
TAME	5	ND	ND	ND	ND	ND	ND
TBA	50	ND	ND	ND	ND	ND	ND

MB=Method Blank; MDL=Method Detection Limit; ND=Not Detected (below DF × MDL); J=trace concentration.
* Obtained from a higher dilution analysis.

Client: AEI Consultants
Project: 262387

Lab Job No.: AI610085
Matrix: Soil

Date Reported: 10-23-2006
Date Sampled: 10-19-2006

EPA 8260B (VOCs by GC/MS, Page 1 of 2) Reporting Unit: µg/kg(ppb)

DATE ANALYZED		10-20	10-20-06	10-20-06	10-20-06	10-20-06	10-20-06
PREP. MEHTOD		5035	5035	5035	5035	5035	5035
DILUTION FACTOR		1	1	1	1	1	1
LAB SAMPLE I.D.			AI610085-6	AI610085-7	AI610085-8	AI610085-9	AI610085-10
CLIENT SAMPLE I.D.			AEI-B3-10'	AEI-B4-5'	AEI-B4-10'	AEI-B5-5'	AEI-B5-20'
COMPOUND	MDL	MB					
Dichlorodifluoromethane	5	ND	ND	ND	ND	ND	ND
Chloromethane	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	5	ND	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Iodomethane	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	5	ND	ND	ND	ND	ND	ND
Chloroform	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5	ND	ND	ND	ND	ND	ND
Benzene	2	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	5	ND	ND	ND	ND	ND	ND
Dibromomethane	5	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	5	ND	ND	ND	ND	ND	ND
Bromoform	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND
Bromobenzene	5	ND	ND	ND	ND	ND	ND

Client: AEI Consultants
Project: 262387

Lab Job No.: AI610085
Matrix: Soil

Date Reported: 10-23-2006
Date Sampled: 10-19-2006

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	MB	AEI-B3-10'	AEI-B4-5'	AEI-B4-10'	AEI-B5-5'	AEI-B5-20'
Toluene	2	ND	ND	ND	ND	ND	ND
Tetrachloroethene	4	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane(EDB)	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	2	ND	ND	ND	ND	ND	ND
Total Xylenes	2	ND	ND	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	5	ND	ND	ND	ND	ND	ND
Naphthalene	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	ND	ND	ND	ND	ND	ND
Carbon disulfide	50	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	50	ND	ND	ND	ND	ND	ND
2-Hexanone	50	ND	ND	ND	ND	ND	ND
MTBE	5	ND	ND	ND	ND	ND	ND
ETBE	5	ND	ND	ND	ND	ND	ND
DIPE	5	ND	ND	ND	ND	ND	ND
TAME	5	ND	ND	ND	ND	ND	ND
TBA	50	ND	ND	ND	ND	ND	ND

MB=Method Blank; MDL=Method Detection Limit; ND=Not Detected (below DF × MDL); J=trace concentration.
* Obtained from a higher dilution analysis.

Client: AEI Consultants
Project: 262387
Project Site: Solana Beach
Matrix: Soil
Digestion Method: EPA 3050B
Batch No.: 1023-MS1

Lab Job No.: AI610085

Date Sampled: 10-19-2006
Date Received: 10-19-2006
Date Digested: 10-20-2006
Date Analyzed: 10-23-2006
Date Reported: 10-23-2006

EPA 6010B/7471A for Cam Metals (TTLC)
Reporting Units: mg/kg (ppm)

Element	EPA Method	Method Blank	AI610085-9 AEI-B5-5'	AI610085-10 AEI-B5-20'			Reporting Limit
Antimony (Sb)	6010B	ND	ND	ND			2
Arsenic (As)	6010B	ND	1.2	ND			0.5
Barium (Ba)	6010B	ND	28	7.2			2
Beryllium (Be)	6010B	ND	ND	ND			2
Cadmium (Cd)	6010B	ND	ND	ND			2
Chromium (Cr)	6010B	ND	ND	ND			2
Cobalt (Co)	6010B	ND	5.3	ND			2
Copper (Cu)	6010B	ND	2.2	3.0			2
Lead (Pb)	6010B	ND	ND	ND			2
Mercury (Hg)	7471A	ND	ND	ND			0.05
Molybdenum (Mo)	6010B	ND	ND	ND			2
Nickel (Ni)	6010B	ND	2.8	ND			2
Selenium (Se)	6010B	ND	ND	ND			0.5
Silver (Ag)	6010B	ND	ND	ND			2
Thallium (Tl)	6010B	ND	ND	ND			2
Vanadium (V)	6010B	ND	49	5.9			2
Zinc (Zn)	6010B	ND	18	9.8			1

ND: Not Detected (at the specified limit).

PQL: Practical Quantitation Limit.

10-23-2006

EPA 8015M (TPH)
Batch QA/QC Report

Client:	AEI Consultants	Lab Job No.:	AI610085
Project:	262387		
Matrix:	Soil	Lab Sample ID:	AI610085-1
Batch No:	EJ19-DS1	Date Analyzed:	10-19-2006

I. MS/MSD Report
Unit: ppm

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
TPH-d	ND	200	211	213	105.5	106.5	0.9	30	70-130

II. LCS Result
Unit: ppm

Analyte	LCS Report Value	True Value	Rec.%	Accept. Limit
TPH-d	204	200	102.0	80-120

ND: Not Detected (at the specified limit).

10-23-2006

EPA 8015M (TPH)
Batch QA/QC Report

Client:	AEI Consultants	Lab Job No.:	AI610085
Project:	262387		
Matrix:	Soil	Lab Sample ID:	AI610085-1
Batch No:	CMJ20-GS1	Date Analyzed:	10-20-2006

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
TPH-g	ND	1,000	774	751	77.4	75.1	3.0	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Report Value	True Value	Rec.%	Accept. Limit
TPH-g	1,050	1,000	105.0	80-120

ND: Not Detected (at the specified limit)

10-23-2006

EPA 8260B
Batch QA/QC Report

Client:	AEI Consultants	Lab Job No.:	AI610085
Project:	262387		
Matrix:	Soil	Lab Sample ID:	AI610085-1
Batch No:	1020-VOCS1	Date Analyzed:	10-20-2006

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	18.0	15.8	90.0	79.0	13.0	30	70-130
Benzene	ND	20	22.0	18.1	110.0	90.5	19.5	30	70-130
Trichloro-ethene	ND	20	19.3	16.1	96.5	80.5	18.1	30	70-130
Toluene	ND	20	20.6	16.7	103.0	83.5	20.9	30	70-130
Chlorobenzene	ND	20	22.7	19.8	113.5	99.0	13.6	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	20.0	20.0	100.0	80-120
Benzene	21.1	20.0	105.5	80-120
Trichloro-ethene	19.	20.0	95.0	80-120
Toluene	19.8	20.0	99.0	80-120
Chlorobenzene	22.9	20.0	114.5	80-120

ND: Not Detected.

10-23-2006

EPA 6010B/7471A for CAM Metals
Batch QA/QC Report

Client:	AEI Consultants	Lab Job No.:	AI610085
Project:	262387		
Matrix:	Soil	Lab Sample ID:	LCS
Batch No:	1023-MS1	Date Analyzed:	10-23-2006

LCS/LCSD Report

Analyte	Sample Conc.	LCS %Rec.	LCSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
Antimony (Sb)	ND	84.0	91.0	8.0	30	70-130
Arsenic (As)	ND	90.0	95.0	5.4	30	70-130
Barium (Ba)	ND	92.0	92.0	0.0	30	70-130
Beryllium (Be)	ND	91.0	93.0	2.2	30	70-130
Cadmium (Cd)	ND	103.0	103.0	0.0	30	70-130
Chromium (Cr)	ND	94.0	98.0	4.2	30	70-130
Cobalt (Co)	ND	94.0	96.0	2.1	30	70-130
Copper (Cu)	ND	96.0	96.0	0.0	30	70-130
Lead (Pb)	ND	100.0	102.0	2.0	30	70-130
Mercury (Hg)	ND	105.0	110.0	4.7	30	70-130
Molybdenum (Mo)	ND	84.0	87.0	3.5	30	70-130
Nickel (Ni)	ND	102.0	102.0	0.0	30	70-130
Selenium (Se)	ND	106.0	105.0	0.9	30	70-130
Silver (Ag)	ND	88.0	95.0	7.7	30	70-130
Thallium (Tl)	ND	85.0	91.0	6.8	30	70-130
Vanadium (V)	ND	100.0	95.0	5.1	30	70-130
Zinc (Zn)	ND	105.0	104.0	1.0	30	70-130

ND: Not Detected

October 21, 2006

Agatha Mondala
AEI Consultants
2447 Pacific Coast Highway Suite 101
Hermosa Beach, Ca 90254

Dear Agatha:

Enclosed please find the report on the soil vapor sampling and analysis performed at 343 Highway 101 in Solana Beach, Ca on October 19-20, 2006. The report consists of one bound and one unbound copy with the following sections:

- Technical approach with results and discussion.
- Data quantitation sheets in LARWQCB format.
- QA/QC in LARWQCB format.
- Chromatograms (unbound copy only).

If you have any questions or additional requirements, please do not hesitate to call. It was a pleasure working with you, and I look forward to future projects.

Sincerely,

Raphe Pavlick
Director

Post Office Box 91740, Los Angeles, CA 90009
Phone (310)823-6661 FAX (310)822-6668(or 6661) Email: HydroGeoSpectrum@aol.com

SOIL VAPOR TECHNICAL APPROACH

Soil samples were taken into polyacetate liners using Geoprobe patented continuous coring techniques utilizing the *MeisterProbe* hydraulic installation system (a modified version of *Geoprobe*). Vapor probes were installed into open holes created by hand-augers or slam-bars (slide-hammers).. Polyethylene tubing (1/4 inch) equipped with an *anchor* is inserted through the tubing into the open annulus. A small amount of coarse sand is allowed to flow so as to form a permeable sand pack at depth. At this point the hole is then grouted to the surface. The polyethylene tubing is connected to the sampling train, and soil vapor sampling is initiated. The tubing exiting the surface of the ground is connected to a glass sampling bulb fitted with Teflon stopcocks and a viton rubber sampling port. This bulb is connected in turn to a vacuum gauge, flowmeter, and portable sampling pump. Initially both stopcocks are closed, and the absence of flow and the presence of a slight vacuum is noted. This demonstrates that the sampling train on the far end of the bulb is leak-tight. Then the first stopcock (pump end) is opened; the absence of flow demonstrates that the sampling bulb itself is leak-tight. The ground end of the bulb is then opened, and a flow of 150-200 ml/min is maintained for seven to ten purge volumes. During the sampling a leak-check compound such as isobutane is placed near and around the sample train. Any trace of this compound detected in the sample indicates the intrusion of ambient air into the sampling train, invalidating the results of that sample. No such leaks were detected with any of the samples. The stopcocks were then closed (pump end first), and the sample retained in the container. Approximately 25 NG each of deutero-chloroform, deutero-methylene chloride, deutero-acetone, deutero-toluene and deutero-benzene were added through the septum into the bulb. The recovery of these isotopically-labeled surrogate compounds demonstrates that the bulbs have remained leak-free up until the actual analysis. A recovery of 90% for the deuterated-benzene, deutero-methylene chloride, deuterated toluene and the deuterated chloroform is desirable; a recovery of less than 75% requires reinjection, resampling or may *qualify* the sample results. The deuterated acetone is added as a measure of water vapor in the sampling and analysis systems; a recovery of greater than 70% is acceptable, although levels of the water-soluble compounds (ketones) may be affected. In the event that water-soluble related compounds are detected, the deuterated acetone may be used as an internal standard for quantitation. All recoveries during this project were within acceptable range. These bulbs were then delivered to the mobile laboratory for analysis by GCMS.

The analyses of the soil vapor samples proceeded as follows. A 1 ml aliquot of soil vapor was withdrawn from each bulb and injected into a Hewlett-Packard model 6890 gas chromatograph interfaced to a Hewlett-Packard model 5973 mass spectrometer. Chromatography was performed in such a way that the combination of retention times and mass fragmentation allowed for the complete separation of all the target compounds. The mass spec was operated in *full scan* mode between 35 and 350 amu. This allows for the identification of any volatile organic species that may be present in the soil vapor.

The following laboratory QA/QC was performed. Initial five-point calibrations were run on July 28, 2006. A laboratory control standard (LCS) from *Absolute Standards* 8240 mix was run at the end of the same day. The daily standard, run on the sampling days, was made from *Ultra* lot CA2337a. The initial calibration was also run on this standard stock. The surrogate calibration curve was run on Aldrich certified material. All results were within the LAWQCB and HGS requirements.

Three notable additions to the LAWQCB requirements were deemed necessary:

- Five isotopically-labeled surrogates, D2-Methylene Chloride, D6-Benzene, D6-Acetone, D8-Toluene and D-Chloroform, were added to the collection vessel, a 125-ml glass bulb fitted with Teflon stopcocks and a viton rubber septum, to measure recovery percentages. The benzene, toluene, methylene chloride and chloroform surrogates are used to verify the recovery of the BTEX and chlorinated hydrocarbons respectively; a recovery of at least 90% is desired; less than 75% would necessitate reanalysis or resampling, or would *qualify* those data... The deuterated acetone provides a measure of the possible presence of water vapor in the sample and general condition of the chromatographic system in terms of hydration; a recovery of 70% of the acetone surrogate indicates acceptability of the complete sampling and analysis procedure; below this level, water vapor presence in the sampling line should be investigated or chromatographic dehydration procedures should be considered. If ketones, alcohols, or other water soluble compounds are being targeted, the acetone surrogate may serve as an internal standard for their quantitation.

- Pentane, isobutane, isopropanol or other vapor was used to surround the sampling train at the surface to identify possible ambient intrusion into the sampling train or down the outside surface of the sampling tubing connected to the subsurface. In the event a leak-check compound is detected in the sample, a different leak-detecting compound will be used for a repeat sample to eliminate the possibility that the first compound is actually present in the soil vapor itself.

- A minimum of 24 hours is allowed to allow the soil vapor in the subsurface to equilibrate to pre-drilling 'natural' composition. An auger rig would require 2-4 weeks.

RESULTS AND DISCUSSION

No volatile organic compounds (VOC's) were detected in any of the samples.

Target compounds include those listed on the initial calibration form.

Because of differences in rounding philosophies between the Water Board forms (Quattro-Pro) and the spreadsheet (Excel), there may occasionally be a difference in the decimal point of a value. This is not considered significant and should not be a cause of concern.

All QA/QC requirements of *HydroGeoSpectrum* and LARWQCB have been met.

HydroGeoSpectrum does not accept any responsibility for other interpretation or utilization of these results.

DATA

SOIL GAS SAMPLE RESULTS

SITE NAME: SanDiego/AEI LAB NAME: HydroGeoSpectrum (HGS) DATE: 20 OCT 2006
ANALYST: Raphe Pavlick COLLECTOR: Raphe Pavlick INSTRUMENT ID 2415A8201
NORMAL INJECTION VOLUME 1 ml

Sample ID:	SV2	SV1	SV3	SV5
	WOB1517-08248	WOB1518-08249	WOB1519-08250	WOB1520-08251
Sampling Depth (ft)	5	5	5	5
Purge Volume (ml)	1650	1650	1650	1650
Vacuum	NO	NO	NO	NO
Sampling Time	1216	1216	1221 A	1226
Injection Time	1508	1521	1535	1555
Injection Volume	1ml	1ml	1ml	1ml
Dilution Factor	1	1	1	1

COMPOUND	DETECTOR	RT	AREA	CONC	RT	AREA	CONC	RT	AREA	CONC	RT	AREA	CONC
		NONE DETECTED			NONE DETECTED			NONE DETECTED			NONE DETECTED		
Deutero-chloroform	MS	8.01	94379	112%	7.98	96998	115%	7.96	93682	111%	8.04	94102	112%
D6-BENZENE	MS	8.42	214267	88%	8.41	230802	95%	8.41	207018	85%	8.44	208682	86%
D6-ACETONE	MS	6.97	66148	87%	6.93	83978	110%	6.93	74048	97%	6.98	68060	89%
D2-Dichloromethane	MS	6.82	71668	104%	5.84	67038	97%	5.77	67598	98%	6.99	57879	84%
D8-TOLUENE	MS	9.55	182431	100%	9.55	189179	104%	9.55	175983	97%	9.56	174846	96%

Total Number of Peaks by GCMS: 0 + Surrogates 0 + Surrogates 0 + Surrogates 0 + Surrogates

Unidentified peaks and/or other analytical remarks: UNITS: mcg/L

SOIL GAS SAMPLE RESULTS

SITE NAME: SanDiego/AEI LAB NAME: HydroGeoSpectrum (HGS) DATE: 20 OCT 2006
ANALYST: Raphe Pavlick COLLECTOR: Raphe Pavlick INSTRUMENT ID 2415A8201
NORMAL INJECTION VOLUME 1 ml

Sample ID:		SV6			SV4								
		WOB1521-08252			WOB1522-08253								
Sampling Depth (ft)		5			5								
Purge Volume (ml)		1650			1650								
Vacuum		NO			NO								
Sampling Time		1231			1234 N								
Injection Time		1609			1622								
Injection Volume		1ml			1ml								
Dilution Factor		1			1								
COMPOUND	DETECTOR	RT	AREA	CONC	RT	AREA	CONC	RT	AREA	CONC	RT	AREA	CONC
		NONE DETECTED			NONE DETECTED								
Deutero-chloroform	MS	7.97	94674	112%	7.98	99362	118%						
D6-BENZENE	MS	8.41	219687	90%	8.41	216897	89%						
D6-ACETONE	MS	6.92	73641	96%	6.93	73187	96%						
D2-Dichloromethane	MS	5.95	70716	103%	5.88	72920	106%						
D8-TOLUENE	MS	9.54	181461	100%	9.55	170843	94%						

Total Number of Peaks by GCMS: 0 + Surrogates 0 + Surrogates

Unidentified peaks and/or other analytical remarks: UNITS: mcg/L

QA/QC

INITIAL CALIBRATION BY FULL SCAN MASS SPEC

LAB NAME: HydroGeoSpectrum DATE: July 28, 2006

ANALYST:Raphe Pavlick STD LOT#:ULTRA CA2337 INSTRUMENT ID:2415A8201-2

Calibration Files
500 =WOB0881.D 1000 =WOB0880.D 20 =WOB0883.D
100 =WOB0882.D 5 =WOB0884.D

		Compound	500	1000	20	100	5	Avg		%RSD
1)		Vinyl Chloride	2.340	1.948	3.090	3.243	2.713	2.667	E3	19.99
2)		Bromomethane	3.860	3.674	5.503	3.966	5.742	4.549	E2	21.74
3)		Chloroethane	0.779	0.634	0.963	1.010	0.757	0.829	E3	18.73
4)		1,1-Dichloroethene	4.415	4.644	3.853	4.844	6.404	4.832	E3	19.74
6)		Methylene Chloride	3.760	3.037	3.948	4.227	4.878	3.970	E3	16.93
7)		1,2-Dichloroethene (c	7.442	6.183	8.466	9.651	8.006	7.950	E3	16.09
8)		1,1-Dichloroethane	6.749	5.055	5.240	7.685	7.267	6.399	E3	18.62
9)		Chloroform	2.645	3.004	2.649	3.654	2.767	2.944	E3	14.37
0)		1,2-Dichloroethane	2.305	2.215	1.923	2.396	1.945	2.157	E3	9.88
12)		1,1,1-Trichloroethane	4.007	3.241	4.304	2.928	4.084	3.713	E3	16.00
13)		Carbon Tetrachloride	2.024	2.823	3.018	2.225	2.657	2.549	E3	16.26
4)		Benzene	0.737	0.677	1.057	0.923	0.904	0.859	E4	17.74
5)		Trichloroethene	3.312	3.405	4.763	4.934	4.750	4.233	E3	18.94
16)		1,2-Dichloropropane	6.809	5.017	5.159	7.492	7.076	6.311	E3	18.12
7)		Bromodichloromethane	2.645	3.004	2.637	3.656	2.819	2.952	E3	14.28
8)		cis-1,3-Dichloroprope	2.954	3.356	2.226	3.647	2.599	2.956	E3	19.27
19)		trans-1,3-Dichloropro	2.951	3.380	2.224	3.849	2.926	3.066	E3	19.65
20)		1,1,2-Trichloroethane	2.567	2.534	3.844	3.714	3.320	3.196	E3	19.40
1)		Dibromochloromethane	2.325	2.792	3.609	3.532	3.357	3.123	E3	17.57
2)		Bromoform	2.144	2.439	1.900	2.071		2.139	E3	10.51
24)		Toluene	6.837	6.211	8.918	9.109	7.910	7.797	E3	16.26
5)		Tetrachloroethene	2.683	2.513	3.751	3.871	3.730	3.310	E3	19.78
7)		Chlorobenzene	0.959	0.859	1.169	1.182	1.111	1.056	E4	13.38
28)		Ethylbenzene	4.840	4.517	6.279	6.191	5.385	5.442	E3	14.47
29)		Xylene (total)	1.653	1.599	2.223	2.169	1.988	1.926	E4	14.98
0)		Styrene	1.023	0.993	1.226	1.287	1.067	1.119	E4	11.62
1)		1,1,1,2-Tetrachloroet	3.022	2.247	2.958	3.487	3.139	2.971	E3	15.26
32)		1,1,2,2-Tetrachloroet	2.953	3.025	2.613	3.627	2.427	2.929	E3	15.72
3)		FREON-11	9.197	4.715	6.490	6.362	7.520	6.857	E2	24.06
4)	S	Deutero-chloroform	8.231	8.731	8.329			8.430	E2	3.14
35)		FREON-12	2.260	1.368	3.091	3.089	2.307	2.423	E3	29.48
36)		FREON-113	3.011	3.187	4.227	5.770	5.527	4.345	E3	29.49
8)	G	HYDROCARBONS	8.235	7.649	8.152			8.012	E3	3.96
9)	s	D6-BENZENE	2.735	2.831	2.687			2.751	E3	2.67
41)	S	D6-ACETONE	8.392	9.287	7.878			8.519	E2	8.37
2)	S	D2-Dichloromethane	6.089	6.488	8.053			6.877	E2	15.10
3)		Freon-22	2.372	2.002	3.918	3.508	2.720	2.904	E3	27.35
44)		Freon-141B	8.262	8.765	5.986	8.368	7.398	7.756	E3	14.28
53)	S	D8-TOLUENE	2.207	2.250	2.002			2.153	E3	6.15

Evaluate Initial LCS Report

Data File : C:\HPCHEM\1\DATA\WOB0886.D
Acq On : 28 Jul 2006 11:25 am
Sample : LCS 50 ng
Misc : INITIAL 28JULY06
MS Integration Params: rteint.p

Vial: 1
Operator: Raphe HGS
Inst : GC/MS Ins
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\N072806.M (RTE Integrator)
Title : FULL SCAN
Last Update : Mon Aug 07 15:48:52 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF		%Dev	AccRge
1	Vinyl Chloride	2.667	3.007	E3	-12.7	20
2	Bromomethane	454.879	428.580		5.8	20
3	Chloroethane	828.508	951.280		-14.8	20
4	1,1-Dichloroethene	4.832	4.230	E3	12.5	15
6	Methylene Chloride	3.970	3.698	E3	6.9	15
7	1,2-Dichloroethene (cis)	7.950	6.952	E3	12.6	15
8	1,1-Dichloroethane	6.399	6.867	E3	-7.3	15
9	Chloroform	2.944	2.621	E3	11.0	15
10	1,2-Dichloroethane	2.157	2.365	E3	-9.6	15
12	1,1,1-Trichloroethane	3.713	4.219	E3	-13.6	15
13	Carbon Tetrachloride	2.549	2.585	E3	-1.4	15
14	Benzene	8.595	9.459	E3	-10.1	15
15	Trichloroethene	4.233	4.469	E3	-5.6	15
16	1,2-Dichloropropane	6.311	6.867	E3	-8.8	15
17	Bromodichloromethane	2.952	2.573	E3	12.8	15
18	cis-1,3-Dichloropropene	2.956	2.569	E3	13.1	15
19	trans-1,3-Dichloropropene	3.066	3.013	E3	1.7	15
20	1,1,2-Trichloroethane	3.196	3.454	E3	-8.1	15
21	Dibromochloromethane	3.123	3.140	E3	-0.5	15
24	Toluene	7.797	7.825	E3	-0.4	15
25	Tetrachloroethene	3.310	3.450	E3	-4.2	15
27	Chlorobenzene	10.560	10.584	E3	-0.2	15
28	Ethylbenzene	5.442	5.590	E3	-2.7	15
29	Xylene (total)	19.263	19.605	E3	-1.8	15
30	Styrene	11.193	11.452	E3	-2.3	15
31	1,1,1,2-Tetrachloroethane	2.971	3.001	E3	-1.0	15
32	1,1,2,2-Tetrachloroethane	2.929	2.695	E3	8.0	15
33	FREON-11	685.688	732.600		-6.8	20
35	FREON-12	2.423	2.343	E3	3.3	20
36	FREON-113	4.345	4.836	E3	-11.3	20
43	Freon-22	2.904	2.991	E3	-3.0	20

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\WOB1515.D
Acq On : 20 Oct 2006 2:51 pm
Sample : STANDARD 50 ng
Misc : 20OCT06
MS Integration Params: rteint.p

Vial: 1
Operator: Raphe HGS
Inst : GC/MS Ins
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\N072806.M (RTE Integrator)
Title : FULL SCAN
Last Update : Fri Oct 20 15:15:45 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF		%Dev	AccRge
1	Vinyl Chloride	2.667	2.446	E3	8.3	20
2	Bromomethane	454.879	438.140		3.7	20
3	Chloroethane	828.508	772.160		6.8	20
4	1,1-Dichloroethene	4.832	4.211	E3	12.9	15
6	Methylene Chloride	3.970	3.721	E3	6.3	15
7	1,2-Dichloroethene (cis)	7.950	9.113	E3	-14.6	15
8	1,1-Dichloroethane	6.399	5.818	E3	9.1	15
9	Chloroform	2.944	2.752	E3	6.5	15
10	1,2-Dichloroethane	2.157	2.238	E3	-3.8	15
12	1,1,1-Trichloroethane	3.713	3.437	E3	7.4	15
13	Carbon Tetrachloride	2.549	2.220	E3	12.9	15
14	Benzene	8.595	7.496	E3	12.8	15
15	Trichloroethene	4.233	3.790	E3	10.5	15
16	1,2-Dichloropropane	6.311	6.479	E3	-2.7	15
17	Bromodichloromethane	2.952	2.821	E3	4.4	15
18	cis-1,3-Dichloropropene	2.956	2.770	E3	6.3	15
19	trans-1,3-Dichloropropene	3.066	2.838	E3	7.4	15
20	1,1,2-Trichloroethane	3.196	3.038	E3	4.9	15
21	Dibromochloromethane	3.123	2.809	E3	10.1	15
24	Toluene	7.797	6.775	E3	13.1	15
25	Tetrachloroethene	3.310	3.008	E3	9.1	15
27	Chlorobenzene	10.560	9.797	E3	7.2	15
28	Ethylbenzene	5.442	5.078	E3	6.7	15
29	Xylene (total)	19.263	19.077	E3	1.0	15
30	Styrene	11.193	9.768	E3	12.7	15
31	1,1,1,2-Tetrachloroethane	2.971	2.779	E3	6.5	15
32	1,1,2,2-Tetrachloroethane	2.929	2.495	E3	14.8	15
3	FREON-11	685.688	665.560		2.9	20
5	FREON-12	2.423	1.941	E3	19.9	20
36	FREON-113	4.345	5.004	E3	-15.2	20
43	Freon-22	2.904	2.628	E3	9.5	20

Detection Limit (1ng) Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\WOB1523.D
Acq On : 20 Oct 2006 4:40 pm
Sample : LCS 1 ng
Misc : SD/AEI 20OCT06
MS Integration Params: rteint.p
Quant Time: Oct 20 17:37 2006

Vial: 1
Operator: Raphe HGS
Inst : GC/MS Ins
Multiplr: 1.00

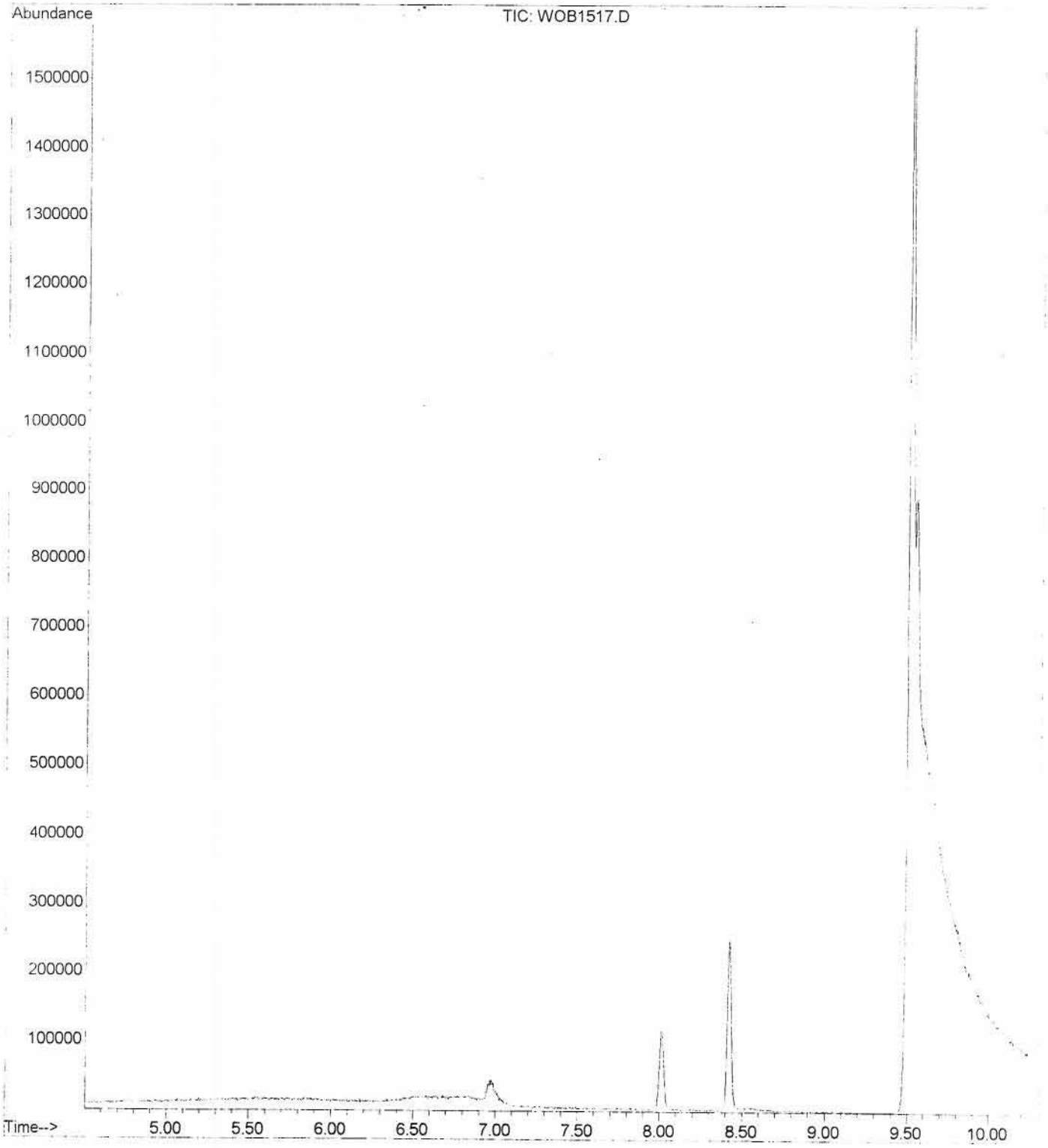
Quant Results File: N072806.RES

Quant Method : C:\HPCHEM\1\METHODS\N072806.M (RTE Integrator)
Title : FULL SCAN
Last Update : Fri Oct 20 15:15:45 2006
Response via : Initial Calibration
DataAcq Meth : N072806

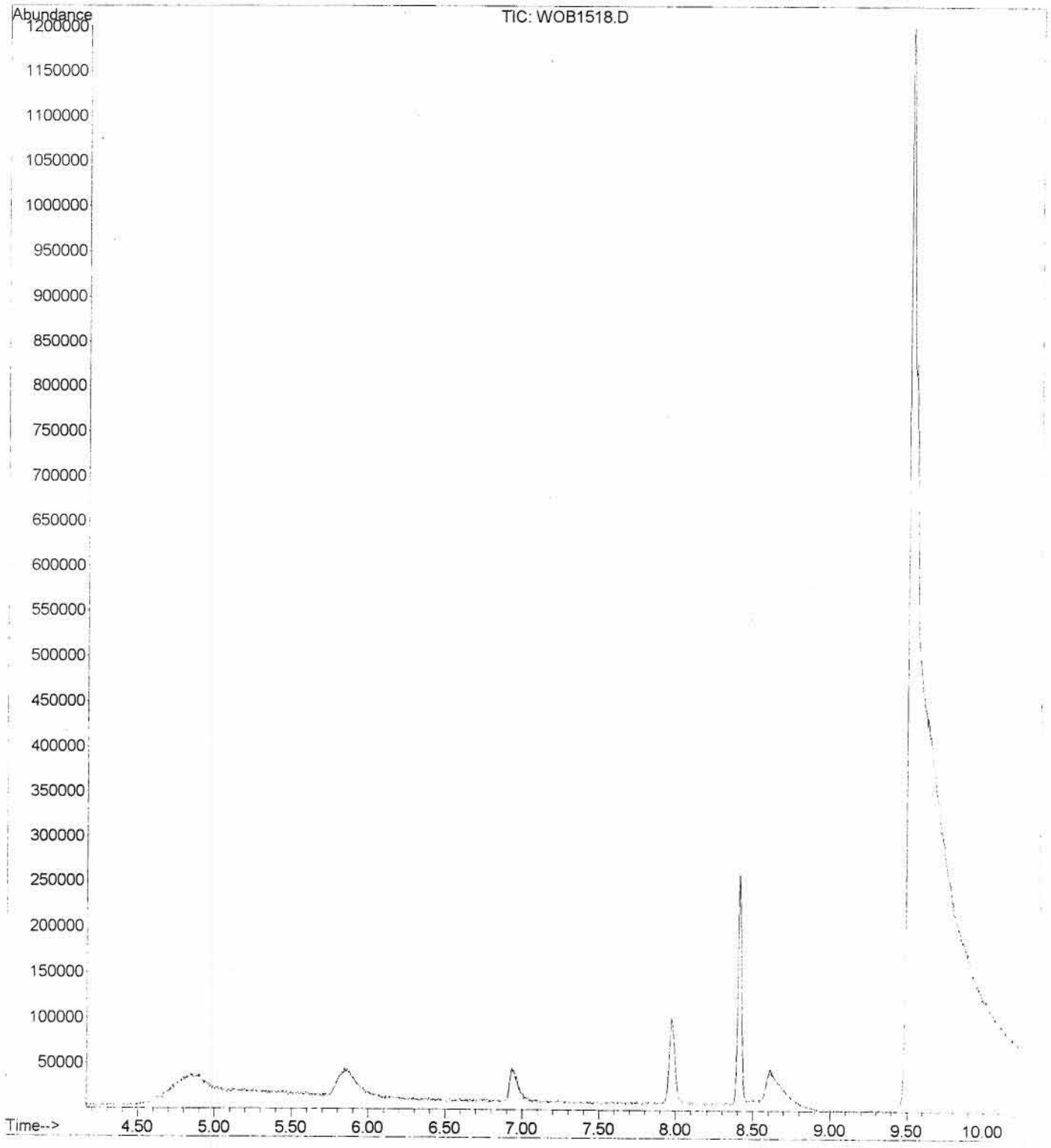
	R.T.	QIon	Response	Conc	Units	AccRge
Target Compounds						0.5-1.5
1) Vinyl Chloride	3.89	62	3527	1.32	µG/L	
2) Bromomethane	4.33	94	590	1.30	µG/L	
3) Chloroethane	3.90	64	915	1.10	µG/L	
4) 1,1-Dichloroethene	5.66	96	3497	0.72	µG/L	
6) Methylene Chloride	5.96	84	3960	1.00	µG/L	
7) 1,2-Dichloroethene (cis)	7.87	96	6439	0.81	µG/L	
8) 1,1-Dichloroethane	6.87	63	4288	0.67	µG/L	
9) Chloroform	9.09	83	3250	1.10	µG/L	
10) 1,2-Dichloroethane	8.43	62	2539	1.18	µG/L	
12) 1,1,1-Trichloroethane	8.19	97	5475	1.47	µG/L	
13) Carbon Tetrachloride	8.28	117	2603	1.02	µG/L	
14) Benzene	8.45	78	12430	1.45	µG/L	
15) Trichloroethene	8.79	130	5555	1.31	µG/L	
16) 1,2-Dichloropropane	6.87	63	4480	0.71	µG/L	
17) Bromodichloromethane	9.09	83	3250	1.10	µG/L	
18) cis-1,3-Dichloropropene	9.35	75	1707	0.58	µG/L	
19) trans-1,3-Dichloropropene	9.55	75	3202	1.04	µG/L	
20) 1,1,2-Trichloroethane	9.84	97	3208	1.00	µG/L	
21) Dibromochloromethane	9.95	129	3686	1.18	µG/L	
24) Toluene	9.59	92	10271	1.32	µG/L	
25) Tetrachloroethene	9.95	164	4377	1.32	µG/L	
27) Chlorobenzene	10.58	112	13194	1.25	µG/L	
28) Ethylbenzene	10.57	106	6850	1.26	µG/L	
29) Xylene (total)	10.65	106	16965	0.88	µG/L	
30) Styrene	10.96	104	10732	0.96	µG/L	
31) 1,1,1,2-Tetrachloroethane	10.61	131	2722	0.92	µG/L	
32) 1,1,2,2-Tetrachloroethane	9.09	83	3250	1.11	µG/L	
33) FREON-11	5.36	101	867	1.26	µG/L	
35) FREON-12	3.42	85	3602	1.49	µG/L	
36) FREON-113	5.00	101	5484	1.26	µG/L	
43) Freon-22	3.39	51	4279	1.47	µG/L	
44) Freon-141B	5.33	81	6813	0.88	µG/L	

Chromatograms

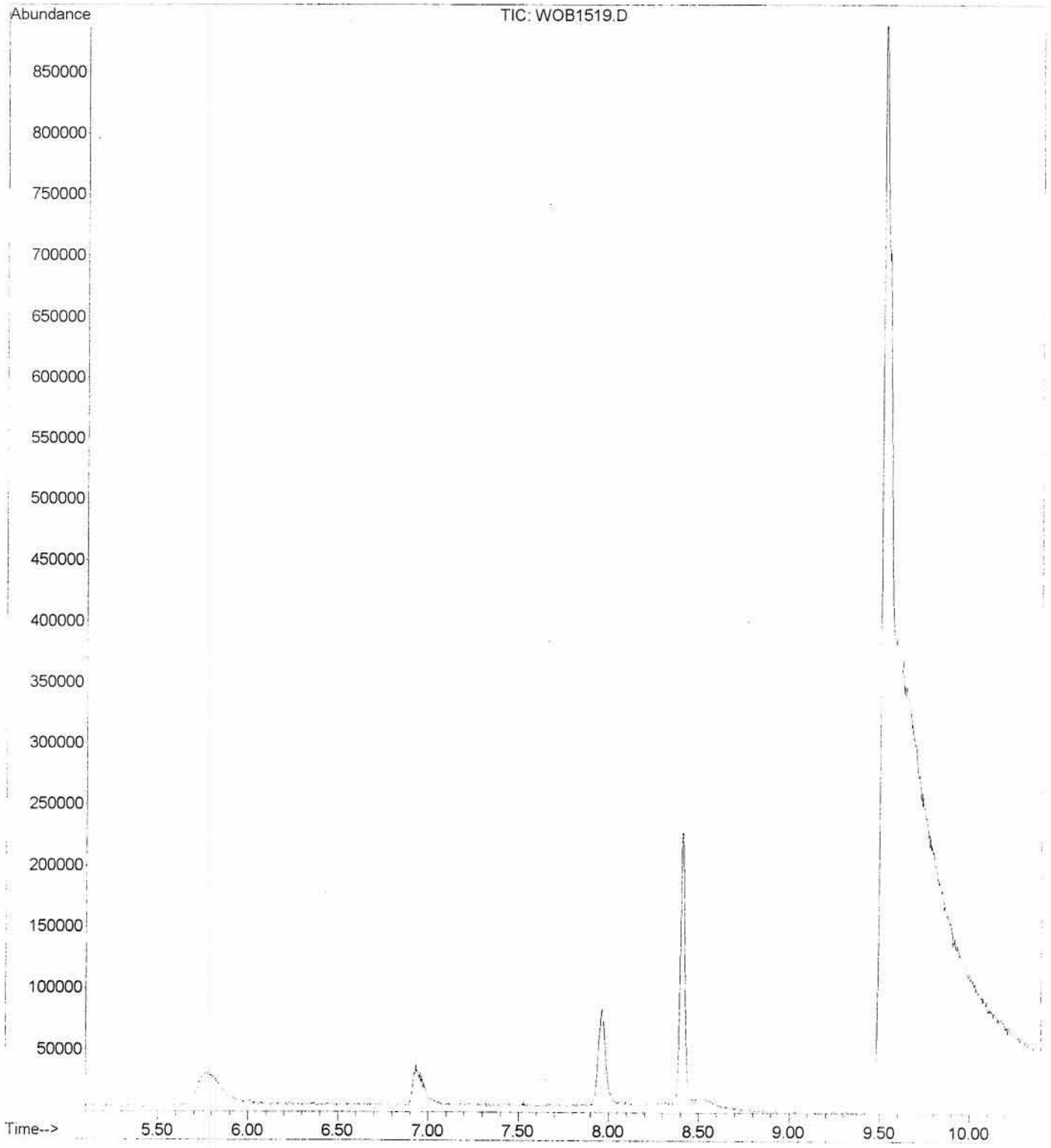
File : C:\HPCHEM\1\DATA\WOB1517.D
Operator : Raphe HGS
Acquired : 20 Oct 2006 3:08 pm using AcqMethod N072806
Instrument : GC/MS Ins
Sample Name: SV2-08248-5
Misc Info : SD/AEI 20OCT06 1216 G2
Vial Number: 1



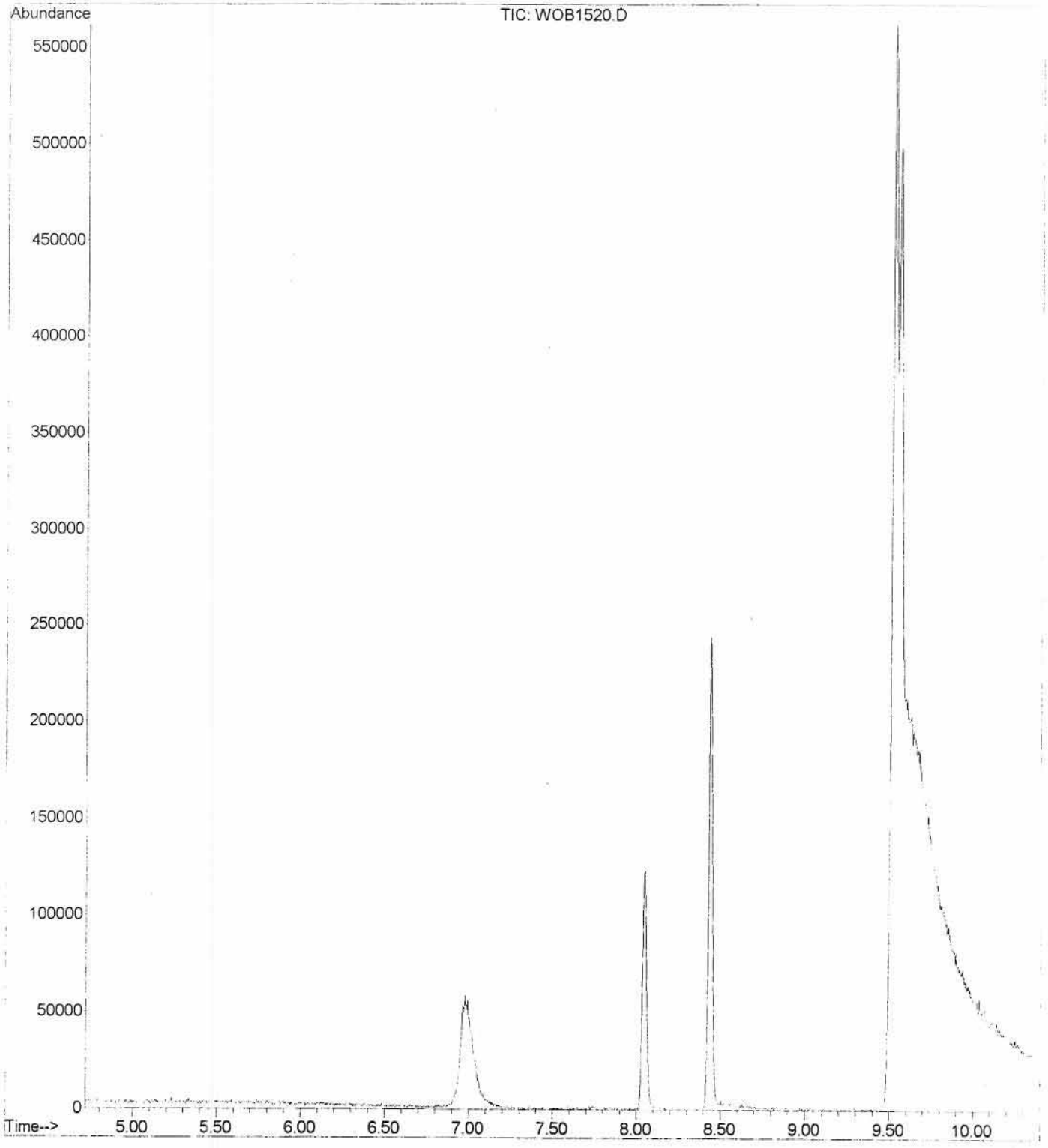
File : C:\HPCHEM\1\DATA\WOB1518.D
Operator : Raphe HGS
Acquired : 20 Oct 2006 3:21 pm using AcqMethod N072806
Instrument : GC/MS Ins
Sample Name: SV1-08249-5
Misc Info : SD/AEI 20OCT06 1216 A5
Vial Number: 1



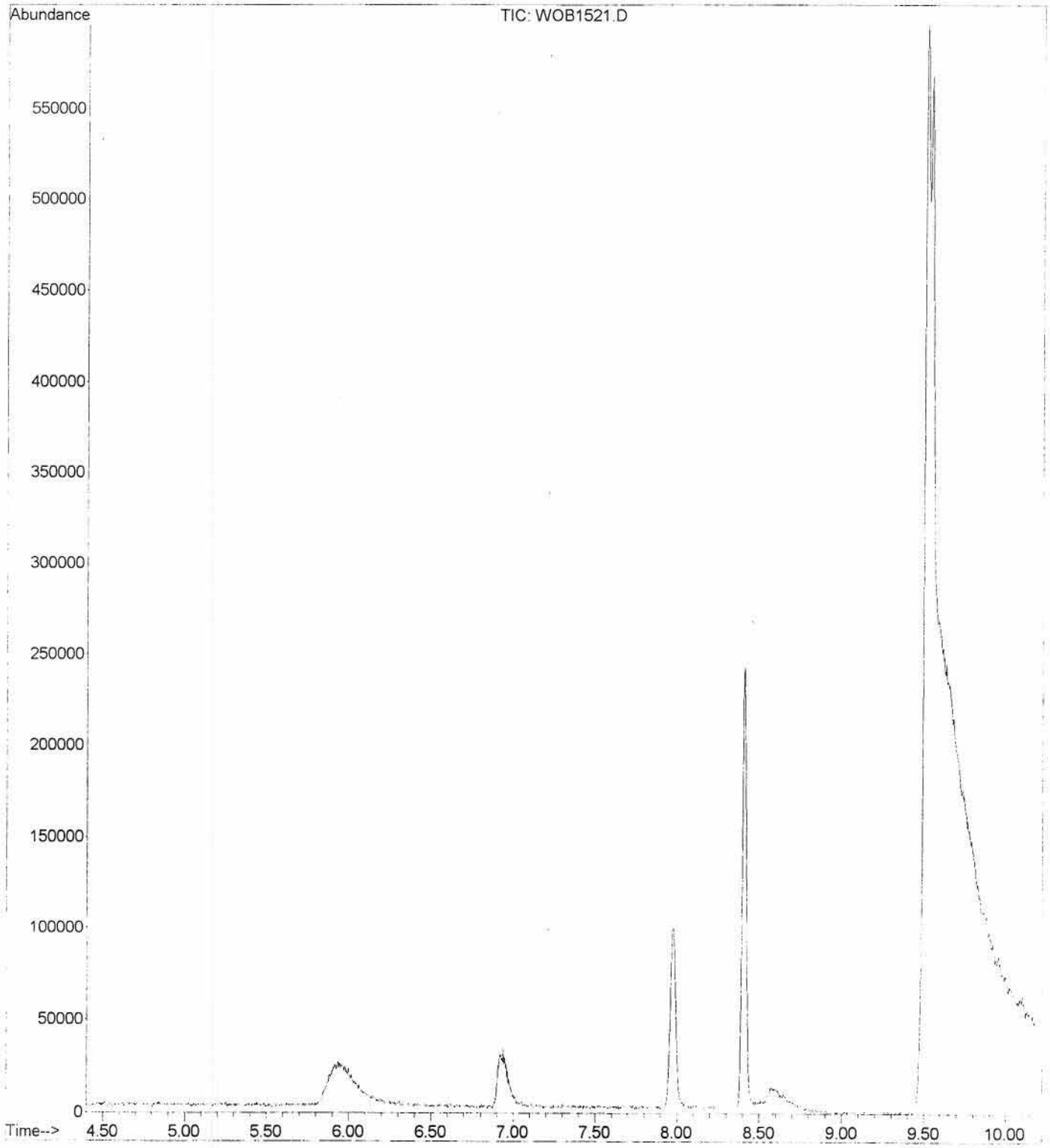
File : C:\HPCHEM\1\DATA\WOB1519.D
Operator : Raphe HGS
Acquired : 20 Oct 2006 3:35 pm using AcqMethod N072806
Instrument : GC/MS Ins
Sample Name: SV3-08250-5
Misc Info : SD/AEI 20OCT06 1221 A10
Vial Number: 1



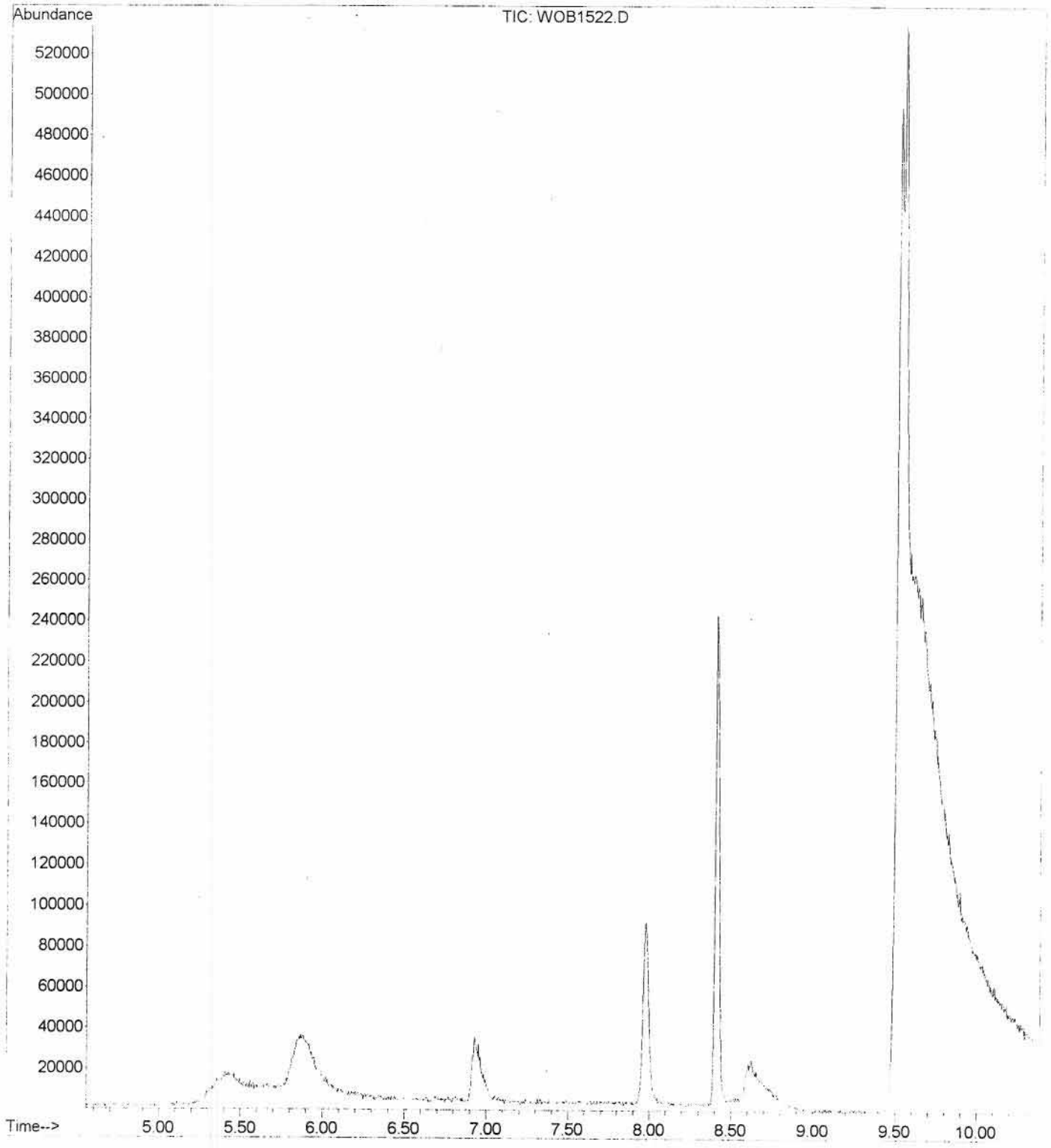
File : C:\HPCHEM\1\DATA\WOB1520.D
Operator : Raphe HGS
Acquired : 20 Oct 2006 3:55 pm using AcqMethod N072806
Instrument : GC/MS Ins
Sample Name: SV5-08251-5
Misc Info : SD/AEI 20OCT06 1226 E6
Vial Number: 1



File : C:\HPCHEM\1\DATA\WOB1521.D
Operator : Raphe HGS
Acquired : 20 Oct 2006 4:09 pm using AcqMethod N072806
Instrument : GC/MS Ins
Sample Name: SV6-08252-5
Misc Info : SD/AEI 20OCT06 1231 F4
Vial Number: 1



File : C:\HPCHEM\1\DATA\WOB1522.D
Operator : Raphe HGS
Acquired : 20 Oct 2006 4:22 pm using AcqMethod N072806
Instrument : GC/MS Ins
Sample Name: SV4-08253-5
Misc Info : SD/AEI 20OCT06 1234 N11
Vial Number: 1



Appendix D:

Comerica Consultant Checklist

CONSULTANT CHECKLIST TO ACCOMPANY PHASE II INVESTIGATION REPORT FOR COMERICA BANK

Please check "YES" or "NO" as appropriate. If "Not Applicable," please write NA in the Comments column.

REC = Recognized Environmental Condition *PAOC = Potential Area of Concern*

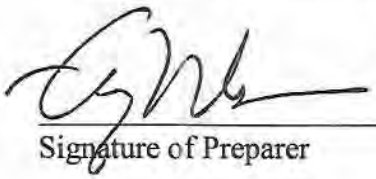
Were all RECs and PAOCs identified in the Phase I ESA report investigated in the Phase II study?	YES X	NO	COMMENTS:
Are all sampling locations clearly identified in the text of the report with the RECs or PAOCs which there were intended to address?	X		
Is the logic of the Phase II sampling plan clearly spelled out with respect to the sampling depths and locations chosen, the chemical analytes selected for analysis, the potential for groundwater impacts downgradient of sourse areas, the relevant exposure pathways, etc.?	X		
Were detectable concentrations of chemicals found in soil?		X	
Were detectable concentrations of chemicals found in groundwater?		X	
Were detectable concentrations of chemicals found in surface water?		X	
Was an exposure pathway analysis performed and documented in the report?		X	
Were any applicable cleanup or screening criteria exceeded in soil, groundwater, or surface water?		X	
Are the lateral and vertical extent of any chemically impacted soil, groundwater, or surface water fully defined?			NA

Are the sources of the contamination well understood?	YES X	NO	COMMENTS:
Is it possible that contamination extends or has migrated beyond the subject property's boundaries?		X	
Have sensitive receptors on or near the site been identified, evaluated, and described in the Phase II report?		X	
Is any contamination believed to have migrated to the subject property from off-site sources or locations?		X	
If so, have the potential impacts of those contaminants on subject property uses or activities (including any planned construction) been evaluated?			NA
Is any commingling of contaminants from on-site and off-site sources suspected?		X	
Has groundwater flow direction been reliably determined at the subject property through the proper installation and surveying of monitoring wells?		X	
Have recommendations for additional subsurface investigation been made?		X	
Have recommendations for achieving regulatory closure been made?		X	
Have the costs of achieving regulatory closure been provided (together with an approximate timetable for completion)?		X	
Has a site plan with all sampling locations clearly labeled been included in the report?	X		

Has the groundwater flow direction been shown on the site plan which depicts the carious sampling locations?	YES	NO X	COMMENTS:
Were tables provided which compare any chemicals detected in soil, groundwater, or surface water to relevant and applicable cleanup or screening criteria?			NA
Are soil boring and well installation logs included in the report?	X		
Are geological cross sections included?		X	
Are laboratory data sheets with QA/QC information included?	X		

CONSULTANT CHECKLIST TO ACCOMPANY PHASE II INVESTIGATION REPORT FOR COMERICA BANK

This Phase II Checklist was completed by:



Signature of Preparer

October 30, 2006
Date

Agatha Mondala
Printed Name of Preparer

Project Engineer
Title of Preparer