

**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, 4<sup>th</sup> Floor  
Beverly Hills, California 9090212**

**Prepared by:**

**Terracon**

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September 18, 2006



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

The Terracon logo, consisting of the word "Terracon" in a stylized, bold, red font.

Prepared by:

A handwritten signature in blue ink, appearing to read "Brad Dales".

Brad Dales  
Project Manager

Reviewed by:

A handwritten signature in blue ink, appearing to read "Craig O'Rourke".

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

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**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 HMMMD 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 where 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, naphtha, 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 from 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 Sacramento 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 for 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**

<b>Site Name</b>	Maganda Corporation Property
<b>Site Location/Address</b>	329 and 343 South Highway 101; 120 and 128 Dahlia Drive, Solana Beach, County of San Diego, California 92075
<b>Land Area</b>	Approximately 1.75 Acres
<b>Site Improvements</b>	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
<b>Topography</b> (Refer to Appendix A for an excerpt of the Topographic Map)		
<i>Site Elevation</i>	Approximately 71 feet above mean sea level	Del Mar, California USGS Topographic Map, Dated 1994, EDR report
<i>Surface Runoff/ Topographic Gradient</i>	Generally to the southwest	
<i>Closest Surface Water</i>	Pacific Ocean is located approximately 800 feet to the west	
<b>FEMA Map</b>		
<i>Zone</i>	Zone X	FEMA Agency Flood Insurance Rate map, Dated June 19, 1997
<i>Description:</i>	An Area that is determined to be outside the 100- and 500-year floodplains.	
<b>Soil Characteristics</b>		
<i>Soil Type:</i>	Marina Series	Soil Survey by the U.S. Department of Agriculture, Compiled September, 1973., EDR Report
<i>Description:</i>	The Marina soils have grayish brown, light brown and brown, loamy sand near coast areas in south and south-central coast areas in California	
<b>Geology/Hydrogeology</b>		
<i>Formation:</i>	Bay Point Formation	Geology of the Del Mar Quadrangle, Southern San Diego Metropolitan Area, California, California Division of Mines and Geology, 1977
<i>Description:</i>	This group contains Pleistocene marine deposits and marine terrace deposits	

PHYSICAL SETTING INFORMATION FOR SITE AND SURROUNDING AREA		SOURCE
<i>Estimated Depth to First Occurrence of Groundwater:</i>	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
<i>Primary Aquifer</i>	San Dieguito Hydrologic sub-area	Water Quality Control Plan for the San Diego Region, San Diego Regional Water Quality Control Board, September 8, 1994
<i>*Hydrogeologic Gradient:</i>	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, 1967 and 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 aerals. 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	<b>329 South Highway 101:</b> no listing (1996); Residence and Ocean Front Mortgage (2001-2006) <b>343 South Highway 101:</b> no listing (1996); Antique Market CA (2001-2006) <b>120 Dahlia Drive:</b> no listing (1996); Strip Mall - 2 occupants (2001-2006) <b>128 Dahlia Drive:</b> no listing (1996-2006)
North	<b>315 South Highway 101:</b> no listing (1996); Nobu Gourmet (2001-2006)
East	No listings
South	<b>437 South Highway 101:</b> 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. Zacharias 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 indicated 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-foot 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-foot depth, soil sample S-2 was taken from the north-northwest side wall at approximately 19-foot depth and soil sample S-3 was taken from the southeast sidewall at approximately 18-1/2-foot 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-foot 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 where sample S-2 was collected. Additional samples were collected from B-9 at depths of 15, 17-1/2 and 19-foot depth and were sent to Chemical research Laboratories for analysis for TPH. Only the soil sample collected from 19-foot 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
<b>Federal</b>			
<b>NPL</b>	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
<b>CERCLIS/ NFRAP</b>	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
<b>RCRA CORRACTS/ TSD</b>	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
<b>RCRA Non- CORRACTS/ TSD</b>	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
<b>RCRA Generators</b>	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
<b>FINDS</b>	Facility Index System/Facility Registry System contains both facility information and 'pointer' to other sources that contain more detail.	Site	0
<b>ERNS</b>	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
<b>State</b>			
<b>AWP</b>	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
<b>Cal-Sites</b>	Cal-Sites (DTSC) contains both known and potential hazardous substance sites.	1.0	0
<b>CHMIRS</b>	The California Hazardous Materials Incident Report System contains information on reported hazardous material accidental releases or spills.	Site and adjoining	0
<b>CORTESE</b>	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
<b>NOTIFY 65</b>	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
<b>Toxic Pit</b>	The State Water Resource Control Board database of sites suspected of containing hazardous substances where cleanup has not yet been completed.	1.0	0
<b>SWF</b>	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
<b>LUST</b>	The State Water Resources Control Board maintains a database of sites with confirmed or unconfirmed leaking underground storage tanks.	0.5	8
<b>CA Bond EXP. PLAN</b>	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
<b>UST/AST</b>	Database of aboveground and underground storage tanks San Diego County.	0.1	0
<b>VCP</b>	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
<b>Indian UST/LUST</b>	The EPA maintains a database on underground storage tanks (and leaking UST) on Indian lands.	0.5	0
<b>CA FID UST</b>	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.		
<b>CAL SLIC</b>	Spills, leaks, investigations, & clean-up cost recovery listing maintained by the RWQCB.	0.5	0
<b>HIST UST</b>	The Hazardous Substances Storage Container Database is a historical listing of UST sites.	0.25	1
<b>SWEEPS UST</b>	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
<b>San Diego Co. HMMD</b>	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
<b>HAZNET</b>	Database of hazardous waste manifests received by the DTSC	0.1	0
<b>EMI</b>	Emissions Inventory Data	0.1	0
<b>SWRCY</b>	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, naphtha, 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 indicated 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

<b>Site Reconnaissance</b>				
<i>Field Personnel</i>	Brad Dales and Anthony Wightman			
<i>Reconnaissance Date</i>	September 11, 2006			
<i>Weather</i>	Sunny and clear			
<i>Site Contact/Title</i>	Mr. Zach Zacharias – Property Manager			
<b>Site Description</b>				
<i>Site Name</i>	Maganda Corporation Property			
<i>Site Location/Address</i>	329 and 343 South Highway 101; 120 and 128 Dahlia Drive, Solana Beach, County of San Diego, California 92075			
<i>Adjoining Streets</i>	Sierra Avenue (west)			
<i>Land Area</i>	Approximately 1.75 Acres			
<b>Land Area Description</b>				
<i>No. of Buildings</i>		<i>Year Constructed</i>	<i>Approx. Square Footage</i>	<i>No. of Floors</i>
	5			
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

<i>Other Site Improvements</i>	Approximately 24 concrete pads for the trailers at 329 South Highway 101, asphalt paved parking and landscaped areas
<i>Zoning</i>	Mixed residential and retail
<i>Site Topographic Relief</i>	Generally sloping to the southwest
<b>Site Utilities</b>	
<i>Electricity</i>	SDG&E
<i>Drinking Water</i>	Rancho Santa Fe Irrigation
<i>Wastewater</i>	Rancho Santa Fe Irrigation
<i>Natural Gas</i>	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
<b>Site Operations, Processes, and Equipment</b>	Emergency generators	
	Elevators	
	Air compressors	
	Hydraulic lifts	X
<b>Aboveground Chemical or Waste Storage</b>	Evidence of aboveground storage tanks	
	Drums, barrels and/or containers $\geq$ 5 gallons	X
	Cleaning and/or similar supplies	X
	MSDS	

Category	Item or Feature	Item or Feature Observed
<b>Underground Chemical or Waste Storage, Drainage or Collection Systems</b>	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	
<b>Electrical Transformers/ PCBs</b>	Pad or pole mounted transformers and/or capacitors	X
	Generators	
<b>Evidence of Releases or Potential Releases</b>	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		
<b>Other Notable Site Features</b>	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 from 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 $\geq$ 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 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 Sacramento 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-foot 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 where sample S-2 was collected. Additional samples were collected from B-9 at depths of 15, 17-1/2 and 19-foot depth and were sent to Chemical research Laboratories for analysis for TPH. Only the soil sample collected from 19-foot 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 approved 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, naphtha, 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 from 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 Sacramento 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 for 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)**



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

## TOPOGRAPHIC MAP

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

Project Mngr: BD  
Designed By: BD  
Checked By: JS  
Approved By: JS

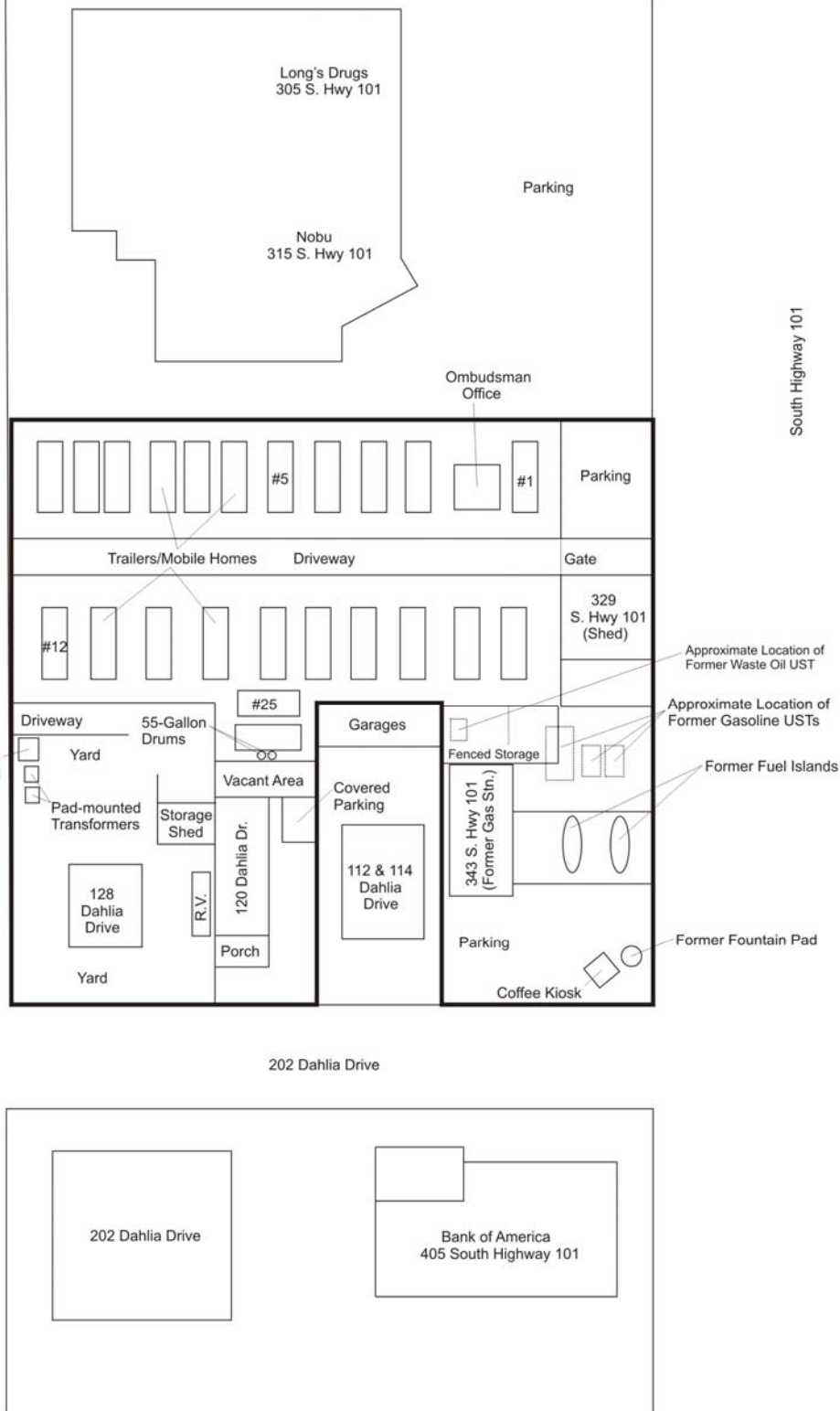
**Terracon**

3189 F Airway Avenue  
Costa Mesa, California 92626  
714-444-2322 Fax: 714-444-2110

Project No. 60068136  
Scale: See scale above  
Date: 9/15/2006  
Drawn By: NA

File Name: \60068136\Figure 1 (Topo).

Figure No. 1



**EXPLANATION:**

— = SITE BOUNDARY



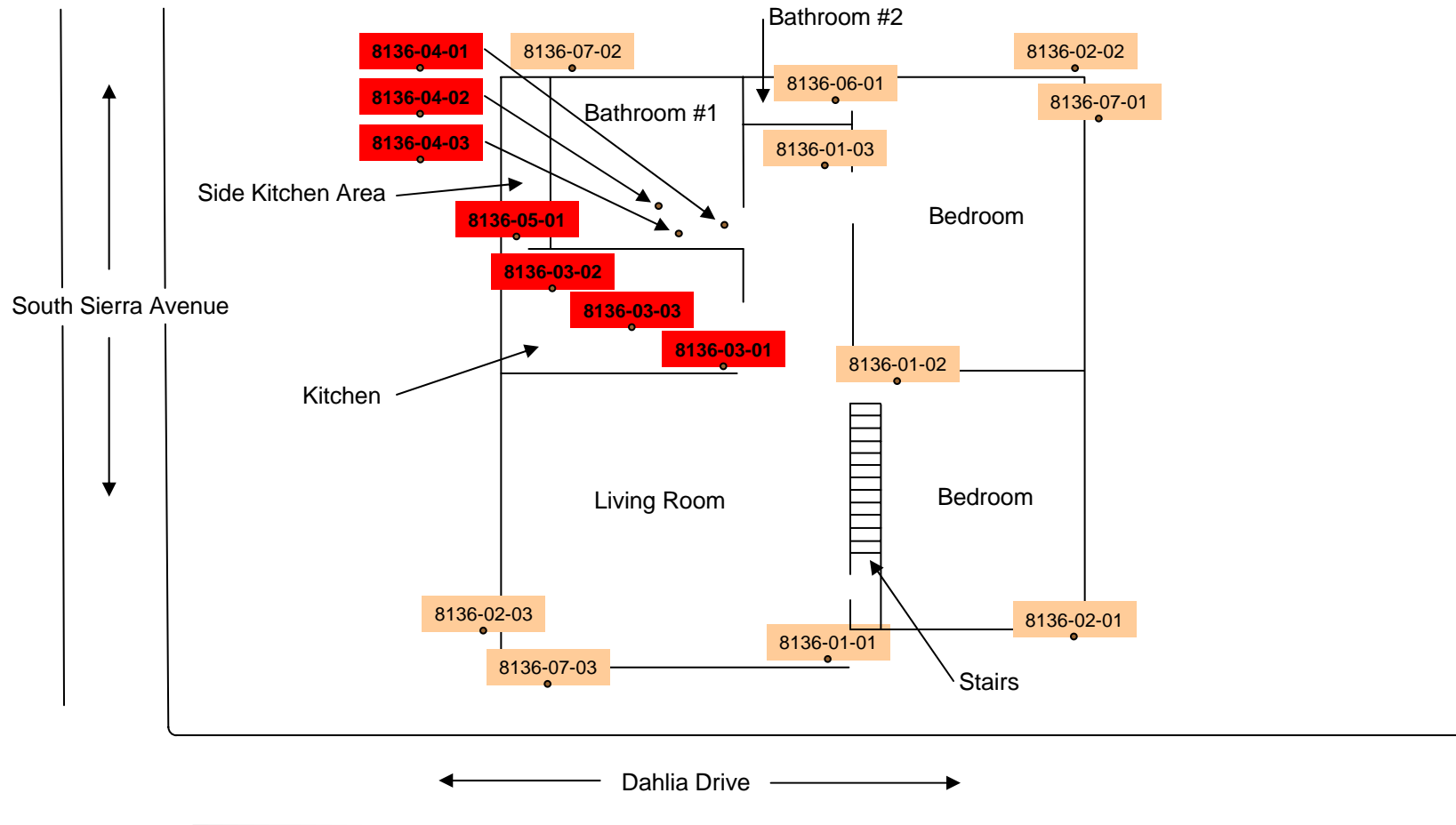
DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES.

**SITE DIAGRAM**

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

Project Mngr:	BD	 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

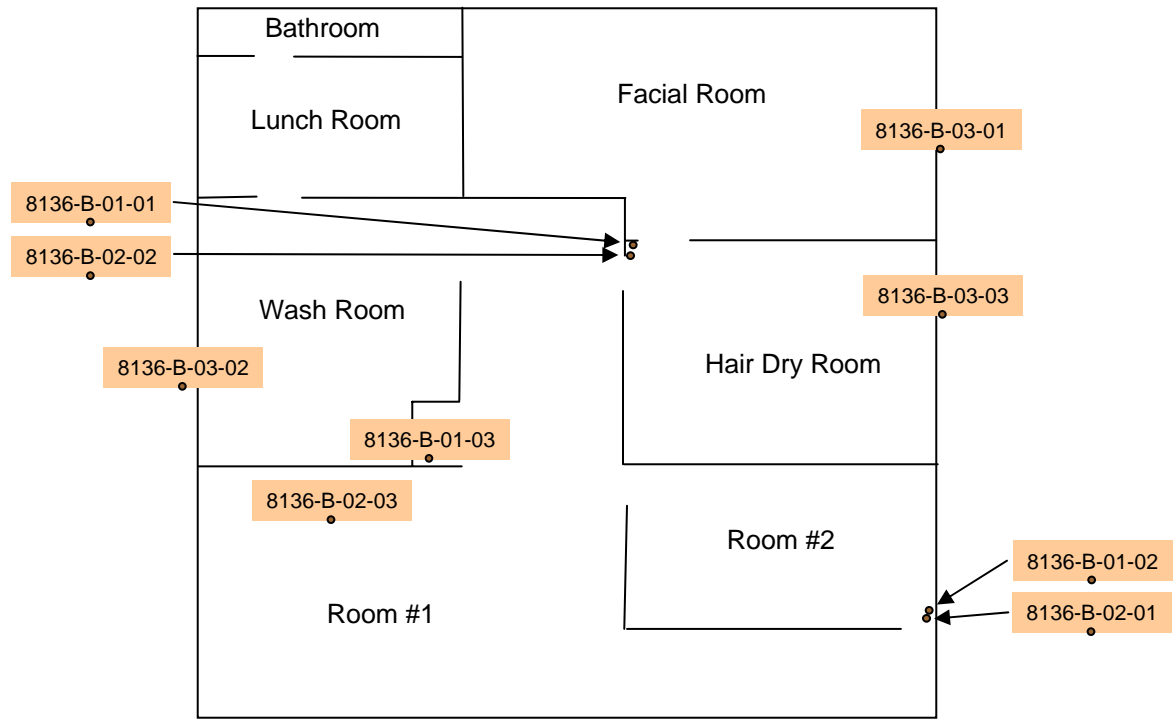
DIAGRAM IS FOR GENERAL LOCATION PURPOSES ONLY.

NOT TO SCALE



Maganda Corporation 329 South Highway 101 Solana Beach, CA		
Project Mngr: BD	 <small>3189 F Airway Avenue                  Costa Mesa, California 92626                  714-444-2322 Fax: 714-444-2110</small>	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)



← Dahlia Drive →

**LEGEND:**

- Site Location
- Asbestos Sample Location
- Positive Asbestos Sample Location

DIAGRAM IS FOR GENERAL LOCATION PURPOSES ONLY.

NOT TO SCALE



Maganda Corporation 329 South Highway 101 Solana Beach, CA		
Project Mngr: BD	 <small>3189 F Airway Avenue                  Costa Mesa, California 92626                  714-444-2322 Fax: 714-444-2110</small>	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.: 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](http://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.

## **Disclaimer - Copyright and Trademark Notice**

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**Date EDR Searched Historical Sources:**

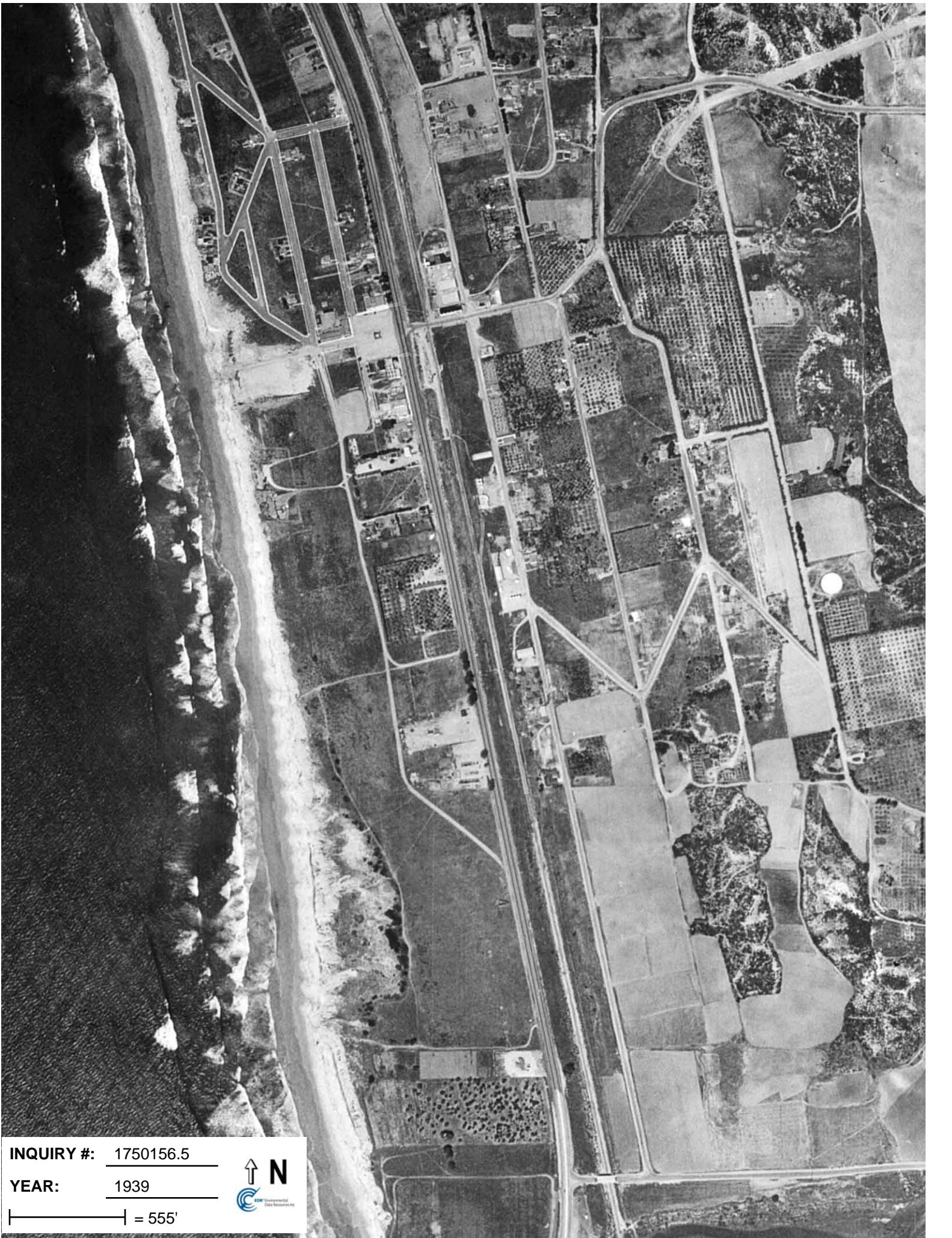
Aerial Photography September 07, 2006

**Target Property:**

329 South Highway 101

Solana Beach, CA 92075

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
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'







INQUIRY #: 1750156.5

YEAR: 1946

| = 655'







**INQUIRY #:** 1750156.5

**YEAR:** 1953

| = 555'







**INQUIRY #:** 1750156.5

**YEAR:** 1963

| = 555'







**INQUIRY #:** 1750156.5

**YEAR:** 1974

| = 600'







**INQUIRY #:** 1750156.5

**YEAR:** 1989

| = 666'







**INQUIRY #:** 1750156.5

**YEAR:** 1994

| = 666'







**INQUIRY #:** 1750156.5

**YEAR:** 2002

| = 666'



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 #T0914/H26441  
343 SOUTH HIGHWAY 101 SOLANA BEACH

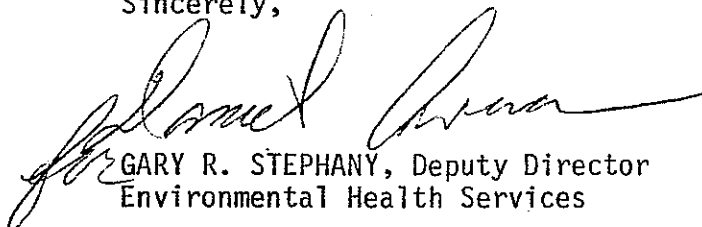
Dear Mrs. Ullman:

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 #	AT 1107
Date Received	11/19/88
Fee Paid	\$90 E.T. \$300 T.U.
Plan Approval	1/20/88
Estab #	H26441
Hydro Unit	5.1
Benef. Use	YES

A. SITE ADDRESS: 343 South Highway 101 Solana Beach  
Street 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 ( ) \_\_\_\_\_

HEALTH SERVICES  
DIVISION  
188/01/1  
MUNICIPAL HEALTH SERVICES

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. 0 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
<input type="checkbox"/> Installation/Construction of new tank(s) only (without removing/abandoning any existing tanks.)	I & II	1	NT
<input type="checkbox"/> Removal/Destruction of existing tanks with installation of new tanks (tank replacement).	I, II & III	1 & 2	NR
<input checked="" type="checkbox"/> Removal/Destruction of existing tank(s) with no new tank installation.	I & III	2	AT
<input type="checkbox"/> Removal <u>only</u> of one tank less than 1000 gallon with no new tank installation.	I & III	4	AT
<input type="checkbox"/> Repiping of an existing tank facility.	I & II (Sections E thru N Only)	3	NM
<input type="checkbox"/> 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~~ 150) Fee: \$ ~~120~~ 150  
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: *Mr. Houchard*  
 Fire Dept. *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.



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  
DHS:HM-915 (5/85)



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

<u>Dates</u>	<u>Owner/Operator</u>
not known	

D. Approximate depth to groundwater: Greater than 40 feet  
 Basis of Determination: Prior experience in area

E. Proposed method of abandonment:  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 AHC Staff 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 HOLMEROUD

JURISDICTION \_\_\_\_\_

PHONE \_\_\_\_\_

C.G.I. OK - KITCHEN

TANKS TO BE ABANDONED 4 PHONE \_\_\_\_\_

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

CONTRACTOR TEIXEIRA CONST. INC. PHONE 2601851

	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	CASOLINE	GASOLINE	GASOLINE	WASTEOIL	
5. Decontamination:	YES/NO	YES/NO	YES/NO	YES/NO	
Manifest Available?	NO	NO	NO	NO	
6. Tank Inerting: (CGIRDS)	BSLES	BSLES	BSLES	NO	
Dry Ice/Nitrogen (Qty)	DRYICE	DRYICE	DRYICE	NO	
7. Tank Condition (Holes)	PITTED	PITTED	PITTED	HOLE	
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	
15. Reinspection Required?					
16. Reinspection Receipt Available?					

REMARKS:  
 TK 1 PITTED BOTTOM/RUSTY HOLES NOT APPARENT. TANK CONTAINED GAS - OUT OF USE 3 YEARS. TAR COATING MOSTLY INTACT.  
 TK 2 PITTED BOTTOM HOLES NOT APPARENT. TANK CONTAINED GAS, NOT USED 1/2 YEARS. TAR COATING MOSTLY INTACT/RUSTY SPOTS.  
 TK 3 PITTED BOTTOM HOLES NOT APPARENT. TANK CONTAINED GAS. OUT OF USE 3 YEARS. TAR COATING MOSTLY INTACT. RUSTY SPOTS.  
 TK 4 3" DIA HOLE 1/4" FROM TOP END DOWN VENT/SOLE TANK EXCAVATION. MELLO OIL CLEANED 4 TANK 2-8-88 PER SOIL IN EXCAVATION AND PILES SLIGHTLY DISCOLORED DARK WITH HYDROCARBON ODDORS 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

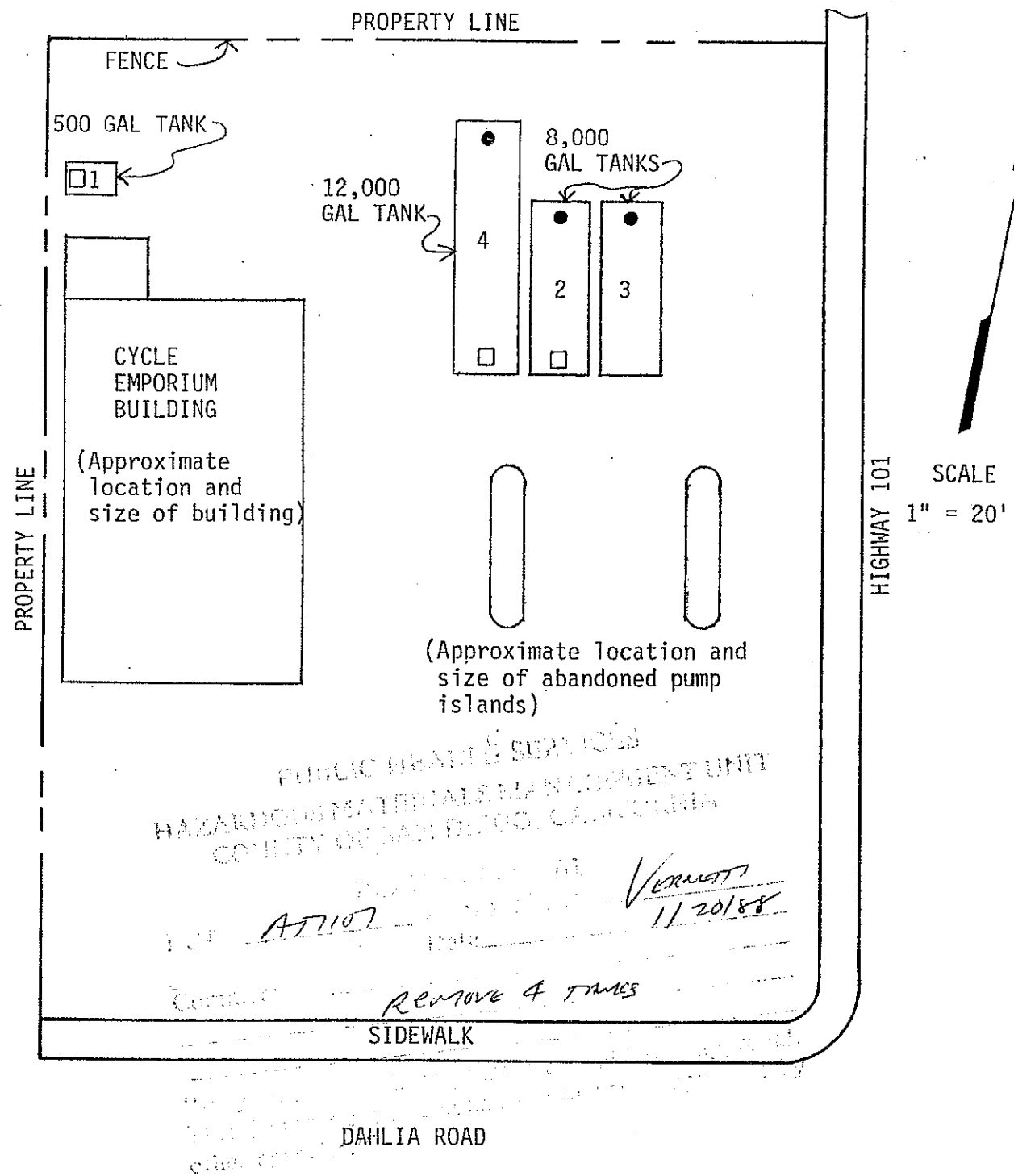
Edna Withell  
Hazardous Materials Specialist Signature

Phone # \_\_\_\_\_

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

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 1/2 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 OIL WASTE 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
- 
- 
-



APPLIED HYDROGEOLOGIC consultants  
3052 C/Jeremont 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

**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 Ullman

Mail Address: 4786 Mt. Helix Dr  
La Mesa, 91944

Contact Person: June Ullman

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 <b>MAXIMUM OF 5</b> addresses per request.		
Establishment Name	EXACT Address/City REQUIRED No Street Ranges Accepted	Zip Code REQUIRED File # (Optional)
	<u>343 South Hylol</u>	<u>92075</u> <u>H26441</u>
	<u>Solana Beh</u>	<u>H75</u>

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

Routine Inspection Permit File    
 Tank Removal    
 Tank Installation/Repiping    
 Contamination Files    
 Emergency Response    
 Complaint/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: [Signature] 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: Milton + June Ullman 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 (6/91) 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 work-days 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 6 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,

Dail Edie  
Hazardous Materials Specialist

Enclosure

cc: RWQCB



# COUNTY OF SAN DIEGO

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



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

H26441

DATE: FEB. 18, 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	<u>343 SOUTH HIGHWAY 101</u>	<u>SOLANA BEACH</u>	<u>92075</u>
	Street	City	Zip Code
Property Owner	<u>DR. MILTON AND JUNE ULLMAN</u>		
	Name		
	<u>4786 MT. HELIX DRIVE</u>	<u>LA MESA</u>	<u>92041</u>
	Street	City	Zip Code
	Telephone	<u><del>442</del> 469-3494</u>	
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 uk (Gallons) uk (Time Period)

Release Detected By:

- Routine Tank Testing
- Test of Piping
- Inventory Audit
- Monitoring Device/Well
- Evidence of Soil Contamination Detected During Tank Removal
- Evidence of Leaky Tank Detected During Tank Removal
- Other

Description of underground tank systems on property (number, type, age, capacity, material stored, evidence of leakage). 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.

*D. F. [unclear]*



HAZARDOUS MATERIALS MANAGEMENT UNIT  
ABANDONED UNDERGROUND TANK REPORT

YES  NO  
FIRE AGENCY DAVID HOLMERUP  
FIRE AGENCY PERMIT # \_\_\_\_\_  
JURISDICTION \_\_\_\_\_  
PHONE \_\_\_\_\_  
C.G.I. OK - KITCHEN

TANKS TO BE ABANDONED 4 PHONE \_\_\_\_\_  
SITE NAME/ADDRESS 343 SOUTH HWY 101 S.B. ZIP 92075  
CONTRACTOR TEIXEIRA CONST. INC. PHONE 2601851

	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: Manifest Available? <u>#87102467</u>	YES/NO	YES/NO	YES/NO	YES/NO	
6. Tank Inerting: (CGIRDS) Dry Ice/Nitrogen (Qty)	85LBS DRY ICE	85LBS DRY ICE	85LBS DRY ICE	NO NO	
7. Tank Condition (Holes)	PITTED	PITTED	PITTED	HOLE RUSTY	
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. Poned 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/HOLES NOT APPARENT. TANK CONTAINED GAS - OUT OF USE 13 YEARS. TAR COATING MOSTLY INTACT/RUSTY SA  
TK 2 PITTED BOTTOM HOLES NOT APPARENT. TANK CONTAINED GAS. NOT USED 13 YEARS. TAR COATING MOSTLY INTACT/RUSTY SA  
TK 3 PITTED BOTTOM HOLES NOT APPARENT. TANK CONTAINED GAS. OUT OF USE 13 YEARS. TAR COATING MOSTLY INTACT. RUSTY SPOTS  
TK 4 3" HOLE 1/4 FROM TOP OF DOOR VENT SIDE TANK EXCAVATION NOT DONE. NELLO OIL CLEANED 4 TAN 2-8-88 PER SOIL IN EXCAVATION AND PILES SLIGHTLY DISCLOSED DARK WITH HYDROCARBON ODORS IN SPOTS

NOTICE: You are hereby notified that on 2-9-88, G. GRIFITH, 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:

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- Describe the type, quantity and concentration of the hazardous substance released.
  - 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.
  - Describe the method of cleanup implemented to date, proposed cleanup actions, and approximate costs of actions taken to date.
  - 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).
  - 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 Perera  
Phone # \_\_\_\_\_

Edmund Griffith  
Hazardous Materials Specialist Signature

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

COUNTY OF SAN DIEGO  
ENVIRONMENTAL HEALTH PROTECTION

1700 PACIFIC HWY., SAN DIEGO, CA, 92101 PHONE: 619-236-2243

*File*

H

--FOR OFFICE USE ONLY--

ESTAB NUMBER H 26441	CENSUS TR/INC CODE	BUS CODE T75	UNITS	ANNUAL FEE 00000	EXPIR DATE(MO-DAY) 01/31			
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 G MILTON ULLMAN (AREA) OWNER PHONE: \_\_\_\_\_

74 ESTABLISHMENT ADDRESS: STREET NUMBER: 343 DIRECTION:  STREET NAME: SOUTH HY 101 BLDG/SUITE: \_\_\_\_\_

114 CITY: SOLANA BEACH 125 STATE: CA 127 ZIP CODE: 92075 (AREA) BUSINESS PHONE: \_\_\_\_\_

151 SECOND NAME OR NAME OF MANAGEMENT COMPANY: \_\_\_\_\_

187 MAILING ADDRESS (IF DIFFERENT FROM ESTABLISHMENT ADDRESS): STREET NUMBER: 4786 DIRECTION:  STREET NAME: MT HELIX DR BLDG/SUITE: \_\_\_\_\_

217 CITY: LA MESA 228 STATE: CA 230 ZIP CODE: 92041

254 ESTABLISHMENT NAME: JUNE G MILTON ULLMAN GAS STATION: YES = 1  OTHER = 2  314

284 REASON FOR APPLICATION:  1 - NEW  2 - RE-OPEN  3 - OWNER CHANGE NUMBER OF EMPLOYEES: \_\_\_\_\_

315 NAME OF PREVIOUS OWNER: \_\_\_\_\_ DATE BUS ASSUMED: \_\_\_\_\_

316 CONTACT PERSON: \_\_\_\_\_

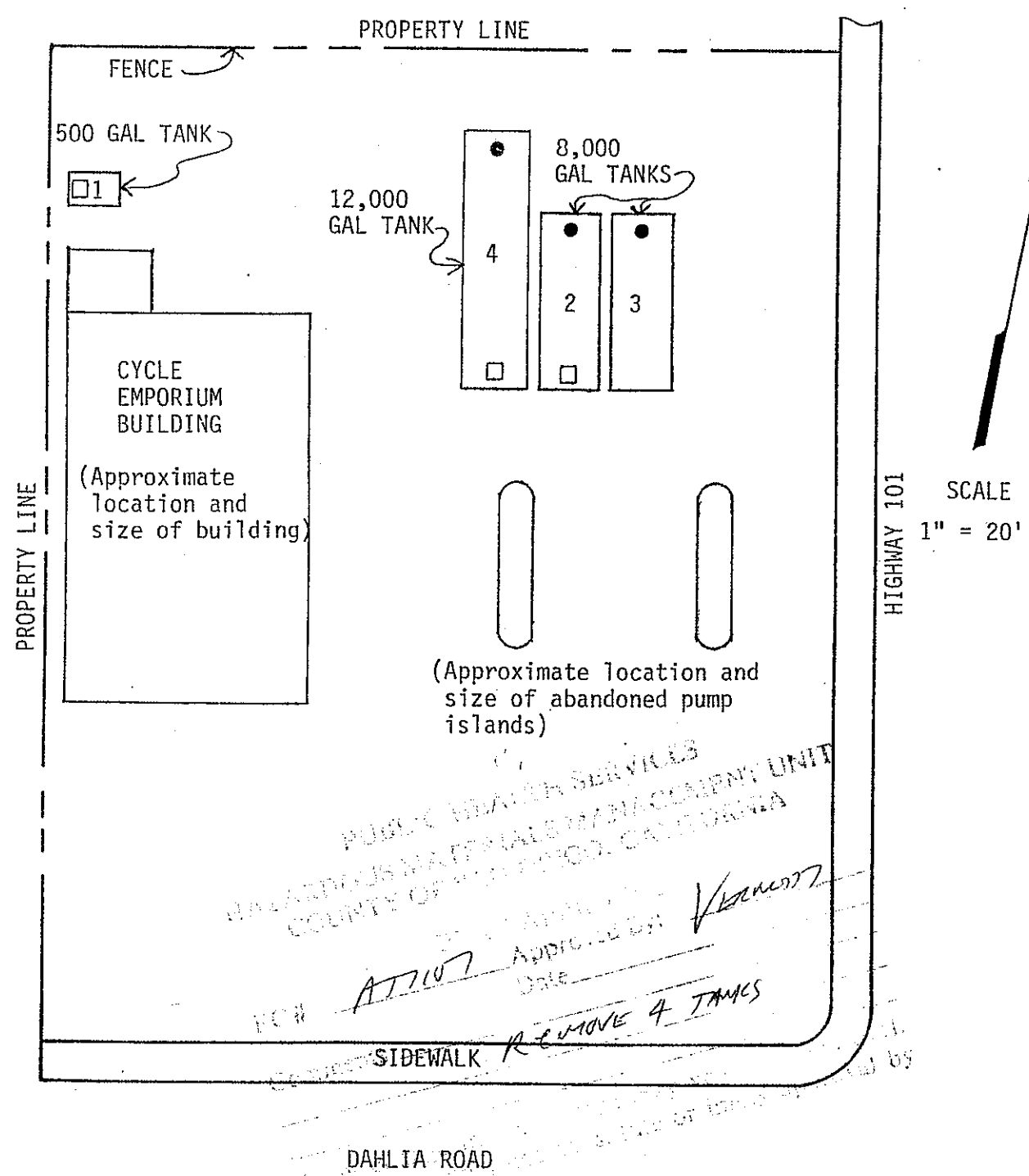
352 \*\*\*\*\* ALL APPLICANTS PLEASE COMPLETE APPROPRIATE SUPPLEMENTARY FORMS \*\*\*\*\*



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 Clarendon 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

## DEPARTMENT OF HEALTH SERVICES

1700 PACIFIC HIGHWAY, SAN DIEGO, CALIFORNIA 92101-2417

STEVEN A. ESCOBOZA  
ASSISTANT DIRECTOR  
(619) 236-7633

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, 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.

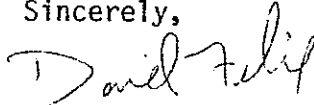
AHC has concluded that no significant contamination remains beneath the site. AHC believes the elevated TPH level in sample S#2 is a result of cross contamination during the soil excavation process. To demonstrate this, additional verification samples of native soil are needed. These must be taken at 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 archived 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,

A handwritten signature in cursive script that reads "David Felix". The signature is written in dark ink and is positioned below the word "Sincerely,".

DAVID FELIX  
Hazardous Materials Specialist

DFx:jj

cc: Applied Hydrogeologic Consultants

21 April 1988  
(AHC 29C5.8C)

HMMU  
APR 26 3 31 PM '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:

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 where 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.

  
Walter V. Kitchin, EIT  
Staff Geologist


Sincerely,  
  
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)

<u>SAMPLE NO.</u>	<u>DATE SAMPLED</u>	<u>CRL REPORT #</u>	<u>TPH</u>
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 #T0914/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  
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;

11/15 Ready to review -  
H.D. Demmer

11/15 left msg - H.D. Demmer

11/17 W/c back to  
schedule

11/21 Norman Saco will be  
here at 11 AM on 11/21

11/21/89 Norman Saco here  
to review files - H.D. Demmer

# 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

cc

Enc.

9/25 ready to Review  
H. Danner

9/25 msg

10/23 Steve W/C back

to set appt

11/1 W/C back today

11/1 Judd Wansen

Cancelled file review  
request - H. Danner

"HMMU"

MAY 17 10 28 AM '88

DATE: MAY 17, 1988

RECORD OF TRANSMITTAL

To: David Felix Title: \_\_\_\_\_

Of: HMMU \_\_\_\_\_

Reference: Unauthorized Release - HMMU #T0914 \_\_\_\_\_

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, CRWOCB  
Mr. and Mrs. Ullman, Property owner \_\_\_\_\_

**UNIFORM HAZARDOUS WASTE MANIFEST**

Generator's US EPA ID No.

Manifest Document No.

C A C 0 0 0 0 6 4 1 3 3

00002

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

5. Transporter 1 Company Name

WRIGHT BROS.

6. US EPA ID Number

ICAD098111671572

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

CASMALIA RESOURCES  
 NIU ROAD  
 CASMALIA, CA. 93429

10. US EPA ID Number

CAD020748125

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

a. HAZARDOUS WASTE SOLID, N.O.S., ORM-E, NA9189

12. Containers No. Type

002 DIT

13. Total Quantity

00014

14. Unit Wt/Vol

Y

15. Waste No.

State 611  
 EPA/Other D001

12. Additional Descriptions for Materials Listed Above

12. a. SOIL THAT IS CONTAMINATED WITH PETROLEUM HYDROCARBONS.  
 SEE ATTACHED ANALYSIS

13. Handling Codes for Wastes Listed Above

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

WALTER V. KIRCHIN

Signature

*Walter V. Kirchin*

Month Day Year

10 5 1988

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Tom Tabios

Signature

*Tom Tabios*

Month Day Year

10 3 1988

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

CASMALIA RESOURCES

Signature

Month Day Year

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

From Waterkitchen 4/27/88  
343 South Highway 101  
30 yds<sup>3</sup> Contaminated soil excavated

15 yds<sup>3</sup> To Casmah

~ 15 yds<sup>3</sup> on site, waiting for "conditional"  
approval of site remediation. Will have it  
disposed of when ~~the~~ verbal OK is given  
for site. Will then provide manifests.

DWF



APPLIED HYDROGEOLOGIC  
consultants

HMMU

APR 26 3 31 PM '88

RECORD OF TRANSMITTAL

DATE: 26 April 1988

To: David Felix Title: \_\_\_\_\_

Of: HMMU

Reference: Update Report

Ullman, 343 South Highway 101, Solana Beach, CA

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

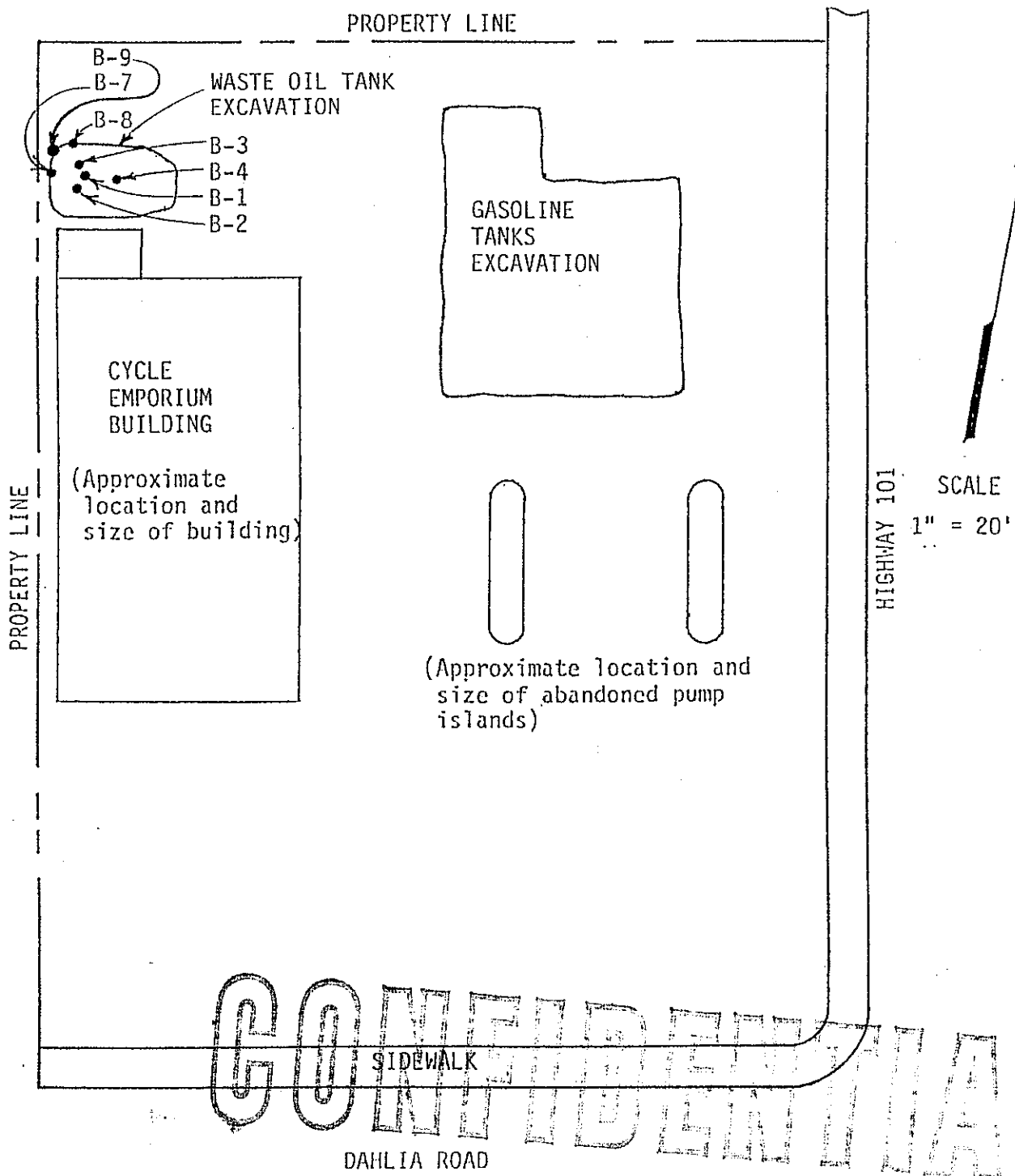
From: Walter V. Kitchin Title: Staff Geologist

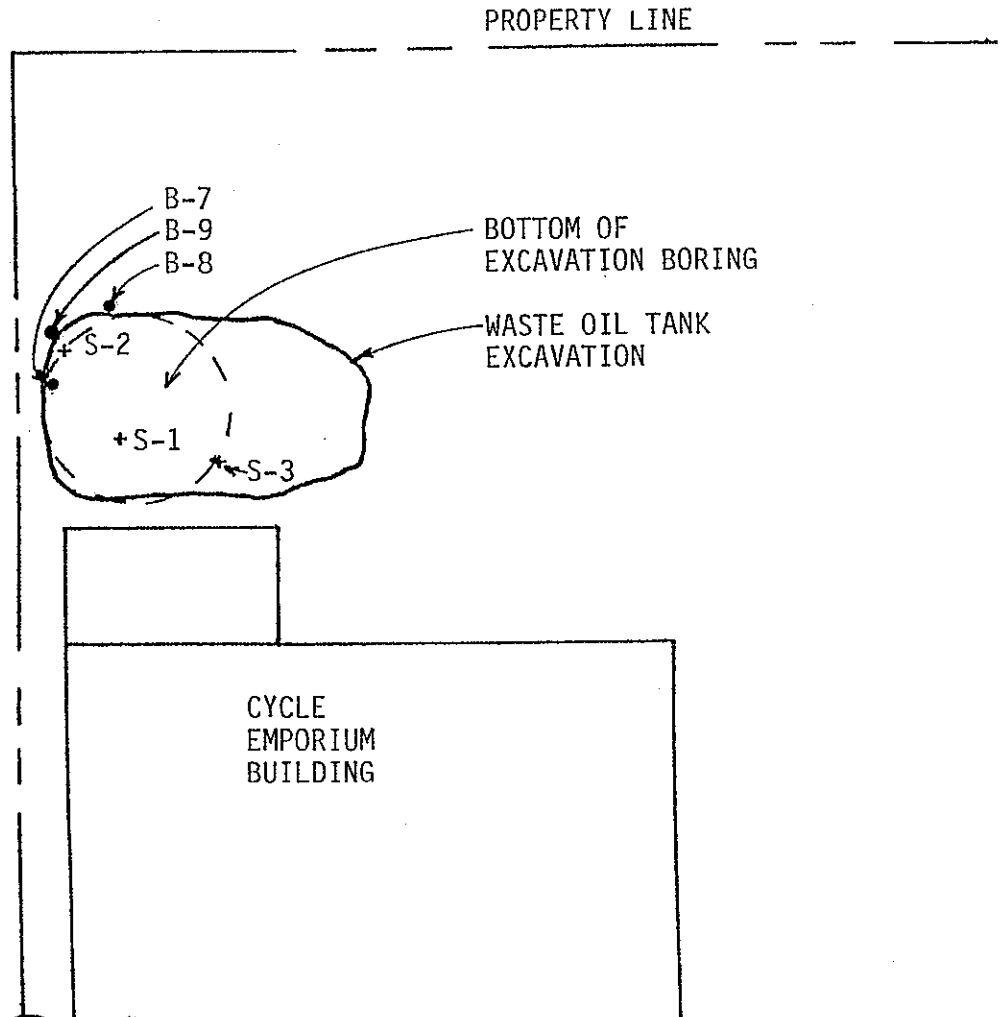
*Walter V. Kitchin*

Comments/Action: cc: Scott Hugenberg, RWOCB

Mr. and Mrs. Ullman, Property owner

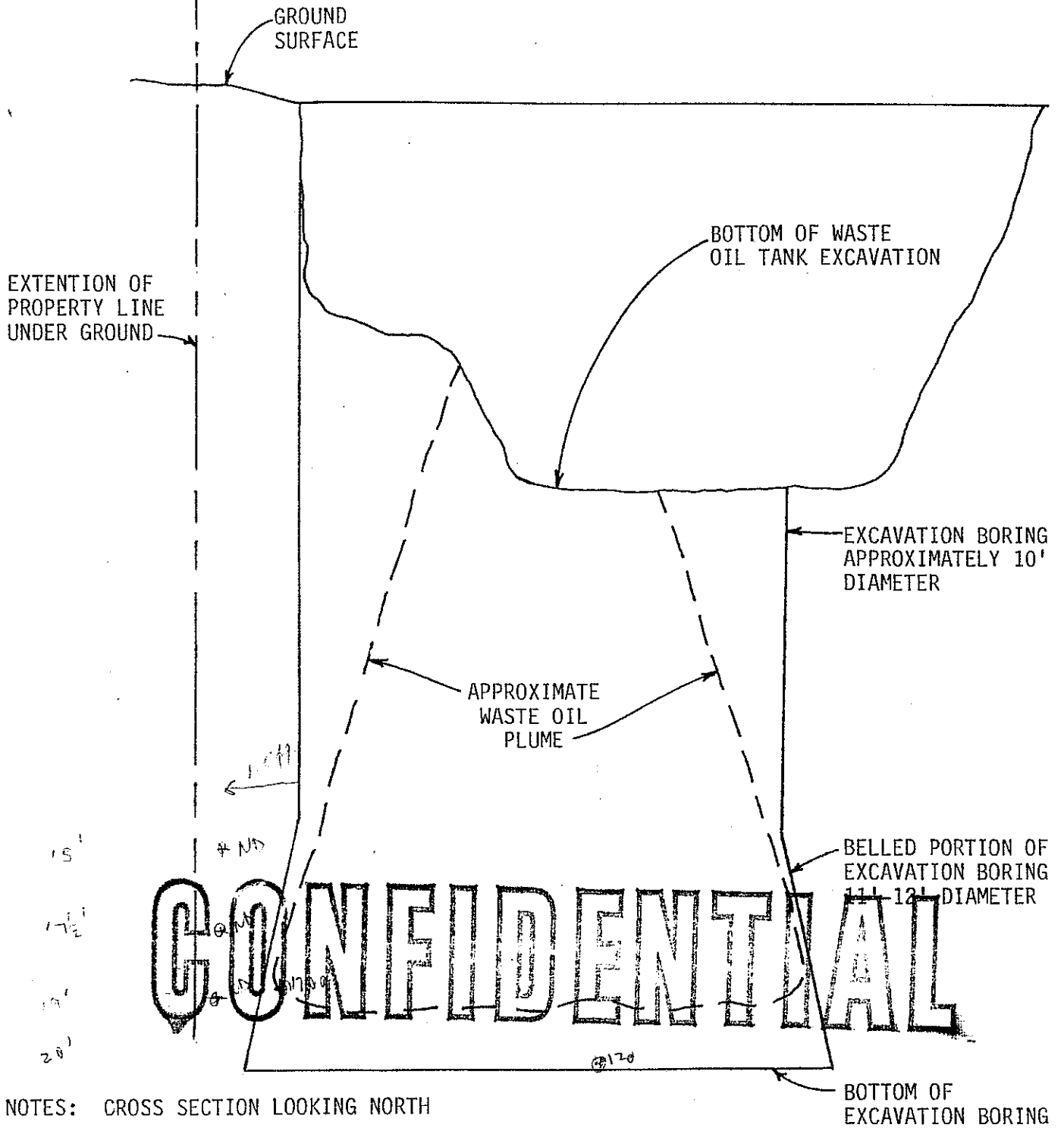
Appendix A  
Site Plan





**CONFIDENTIAL**

SCALE 1" = 3'



NOTES: CROSS SECTION LOOKING NORTH  
VERTICAL AND HORIZONTAL SCALE THE SAME

Depth Ft	Soil Class Smb	Sample No	BORING LOG	
			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
16.0		▲		- Sample WOB9-D15
18.0		▲	Gray black, micaceous, damp fine to medium sand. (SW)	- PID 5 ppm - Sample WOB9-D17½
		*		- PID 3 ppm
		▲	Yellowish white, damp, dense fine to coarse sand. (SW)	- Sample WOB9-D19
		*		- PID 3 ppm
20.0			BOTTOM OF BORING	

CONFIDENTIAL

APPLIED **HYDROGEOLOGIC**  
consultants

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

NOTE:  
\* (PID) Photo-ionization sample



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

RECEIVED  
APR 21 1988  
Ans'd.....

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 Infrared 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

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

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



***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

TOTAL RECOVERABLE PETROLEUM  
HYDROCARBONS  
EPA Method 418.1  
(mg/kg)

Sample Identification

WO B9-D19  
Boring B-9

1.

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

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



***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

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

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

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

**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

CLIENT Applied Hydrogeology, Inc.  
 ADDRESS 3052 CLAIREMONT DR. SIE, B  
SAN DIEGO CA 92117

PROJECT MANAGER  
WALTER V. KITCHIN  
 PHONE NUMBER

PROJECT NAME  
ULLMAN 29 C.S. 8C

SAMPLERS: (Signature)  


SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE		SOLID	NO. OF CNTNRS	TESTS REQUIRED
				WATER	AIR			
<u>WB9-D19</u>	<u>BORING B-9</u>	<u>4/15</u>	<u>1330</u>			<u>Soil</u>	<u>1</u>	<u>418.1 TPH</u>

Relinquished by: (Signature) Walter V. Kitchin Received by: (Signature) [Signature] Date/Time 4/15/88 3:40  
 Relinquished by: (Signature) [Signature] Received by: (Signature) \_\_\_\_\_ Date/Time \_\_\_\_\_  
 Relinquished by: (Signature) \_\_\_\_\_ Received by Mobile Laboratory for field analysis: (Signature) \_\_\_\_\_ Date/Time \_\_\_\_\_  
 Dispatched by: (Signature) \_\_\_\_\_ Received for Laboratory by: [Signature] Date/Time 4/15/88 6 PM

Method of Shipment: \_\_\_\_\_ I hereby authorize the performance of the above indicated work.

Special Instructions:  
24 Hr. Turn around  
Walter V. Kitchin

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.	ANALYSIS REQUEST													NUMBER OF CONTAINERS																	
					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)	TTL/C/STLC	EP TOX	METALS (8)	SMDA-INORGANICS	PRIMARY/SECONDARY	HAZARDOUS WASTE	PROFILE
803127-1			soil #1																																1
-2 (80345)			✓																																1
-3			✓																															1	

PROJECT INFORMATION	SAMPLE RECEIPT				RELINQUISHED BY			RELINQUISHED BY			RECEIVED BY								
	PROJECT:	TOTAL NO. OF CONTAINERS	CHAIN OF CUSTODY SEALS	REC'D GOOD CONDITION/COLD	CONFORMS TO RECORD	LAB NO.	1.	2.	3.	1.	2.	3.	1.	2.	3.				
<u>B</u>	3						<u>Marian Van Der Koop</u>												
PROJECT:							(Signature)	(Time)	(Date)	(Company)	(Signature)	(Time)	(Date)	(Company)	(Signature)	(Time)	(Date)	(Company)	
PC NO.							<u>Marian Van Der Koop</u>												
SHIPPING ID. NO.							(Printed Name)	(Date)	(Company)	(Signature)	(Time)	(Date)	(Company)	(Signature)	(Time)	(Date)	(Company)	(Signature)	(Time)
VIA:							<u>ATI</u>	<u>3/28</u>											
SPECIAL INSTRUCTIONS/COMMENTS:																			
<u>WALTER V. KITCHIN</u> <u>WALTEC V. KITCHIN</u> <u>WALTEC</u>																			

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 find 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.

*Report of 3/20/88*

#4-13 Helen & Carina

D.G.H.S.  
DIV. OF E.H.P.  
HAZ. MAT. UNIT

APR 18 2 45 PM '89

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 - H. Dennis  
5/17/89 w/ & in Tues 5/23 at 11 AM to review file - H. Dennis  
5/23/89 Mr Bidegain here to review files - H. Dennis

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, CRWOCB

Mr. and Mrs. Ullman, Property owner

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 <sup>low?</sup> 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. *Describe dimensions of bell*

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 <sup>How</sup> boring was backfilled immediately with pea gravel for safety of <sup>Person</sup> 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.

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 <sup>19 FT</sup> 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  $\frac{1}{2}$  cubic yard of material.

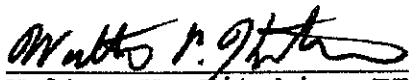
Soil Disposal

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.

  
\_\_\_\_\_  
Walter V. Kitchin, EIT  
Staff Geologist

Sincerely,


  
\_\_\_\_\_  
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)

<u>SAMPLE NO.</u>	<u>DATE SAMPLED</u>	<u>ATI REPORT #</u>	<u>TPH</u>
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)

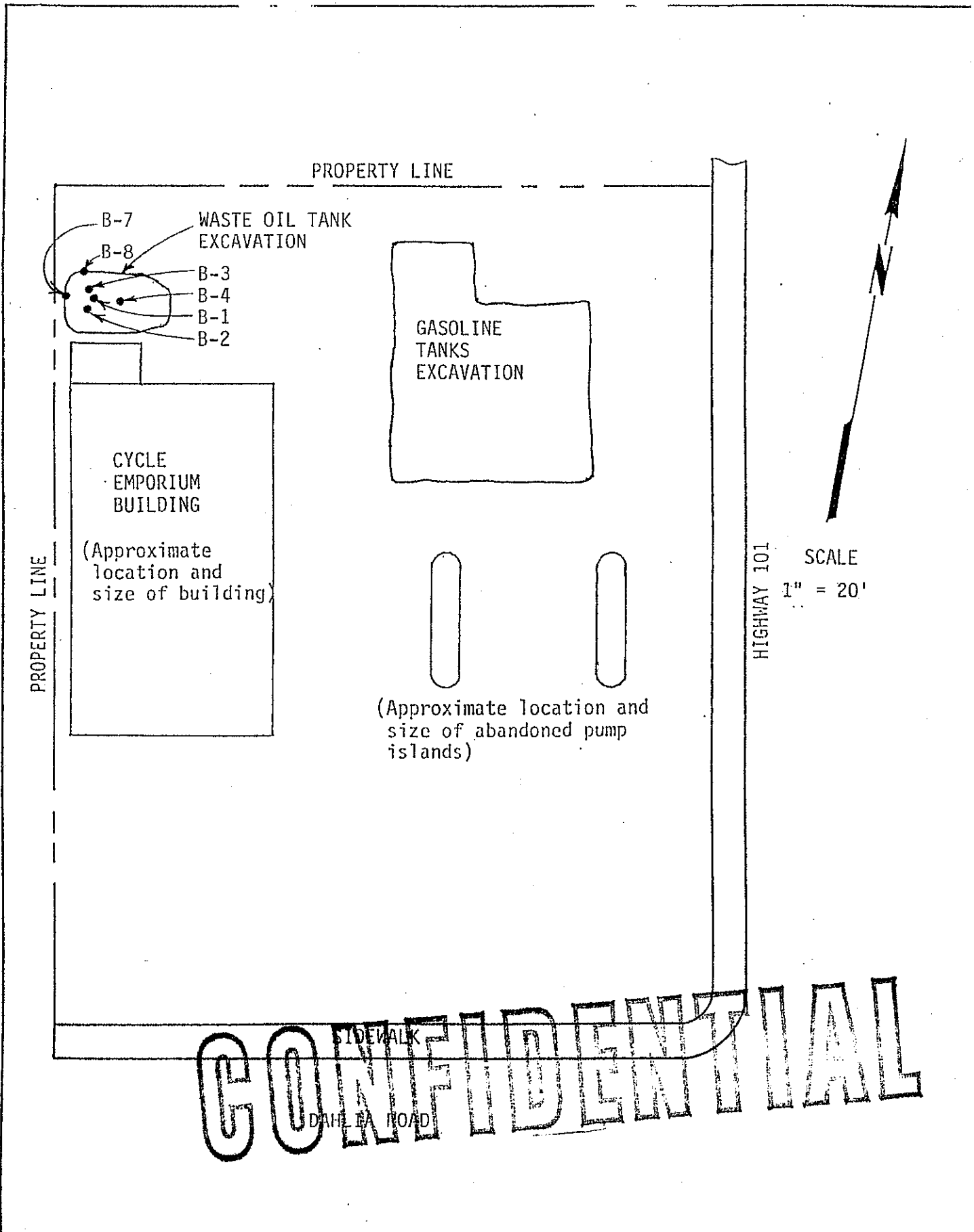
CRL REPORT #

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 ( ).



Appendix B  
Boring Logs

CONFIDENTIAL

			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				
16.0	▲		<div style="border: 1px dashed black; padding: 10px; display: inline-block; transform: rotate(-5deg); opacity: 0.5;"> <p style="font-size: 2em; margin: 0;">CONFIDENTIAL</p> </div>	- Sample WOB7-D15
18.0	▲		<p>— BOTTOM OF BORING —</p>	- Sample WOB7-D17½

20.0			Intersected excavation boring at 18 feet, pea gravel flowed into WOB7.	
------	--	--	--	--

Depth Ft	Soil Class Smb	Sample No	BORING LOG	
			Soil Description	Comments
Date: <u>19 February 1988</u>				
Boring No. <u>WO-B8</u>				
Project No. <u>29C5.8C</u>				
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				
18.0		▲	Gray black, moist, medium dense, micaceous, fine to medium sand (SW)	- Sample WOB8-D17
20.0			White, moist, medium dense, fine to coarse sand (SW)	- Sample WOB8-D20
			BOTTOM OF BORING	



Appendix C  
Laboratory Results



ATI I.D. 803127

March 16, 1988

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

RECEIVED

MAR 18 1988

Ans'd.....

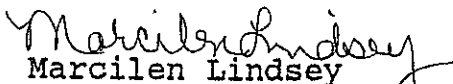
Project Name: Ullman-Shell

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

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

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.

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

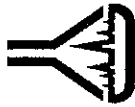
ATI I.D. : 803127

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



San Diego • Phoenix • Seattle

803127

# Chain of Custody

DATE 3/14/88 PAGE 1 OF 1

ANALYSIS REQUEST				SAMPLE RECEIPT			PROJECT INFORMATION			RELINQUISHED BY			RELINQUISHED BY			RELINQUISHED BY												
GC/MS/ 625/8270	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 (ASTM 418)	PRIORITY POLLUTANT	METALS (13)	CAM METALS (18)	TLC/STLC	EP TOX	METALS (8)	SWDA-INORGANICS	PRIMARY/SECONDARY	HAZARDOUS WASTE PROFILE	NUMBER OF CONTAINERS				
BASE/NEU/ACID CMPDS.	VOLATILE CMPDS.	GC/MS/ 624/8240	PESTICIDES/PCB	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 (ASTM 418)	PRIORITY POLLUTANT	METALS (13)	CAM METALS (18)	TLC/STLC	EP TOX	METALS (8)	SWDA-INORGANICS	PRIMARY/SECONDARY	HAZARDOUS WASTE PROFILE					
SAMPLE ID.	DATE	TIME	MATRIX	LAB ID.	TOTAL NO. OF CONTAINERS			CHAIN OF CUSTODY SEALS			REC'D GOOD CONDITION/COLD			CONFORMS TO RECORD			LAB NO.			RECEIVED BY			RECEIVED BY (LABORATORY)					
S # 1	3/11/88	3:30	Soil		3			3												1. <i>[Signature]</i> (Signature) (Time) (Date) 4:31 AM 3/14/88 (Company) AHC RECEIVED BY M. Manan Van Derhey (Signature) (Time) (Date) 3/14/88 (Company) AT-1 RECEIVED BY (LABORATORY) 3.								
S # 2	3/11/88	3:45	Soil																									
S # 3	3/11/88	4:00	Soil																									

PROJ. MGR. WALTER KITCHIN  
 COMPANY Applied Hydrogeologic Cons  
 ADDRESS 3052 CLAIKINWAY ST  
SAN DIEGO, CA 92117

SAMPLERS (SIGNATURE) *[Signature]* (PHONE NO.) 275-6577

SPECIAL INSTRUCTIONS/COMMENTS:  
 Rush job; Sample with highest  
 petroleum hydrocarbons will be  
 tested for: lead, chromium, PCBs.  
 CALL WALTER FIRST ON THIS!





**Chemical Research Laboratories, Inc.**

7440 Lincoln Way • Garden Grove, CA 92641  
(714) 898-6370 • (213) 598-0458

RECEIVED  
APR 01 1988  
Ans'd.....

March 30, 1988

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

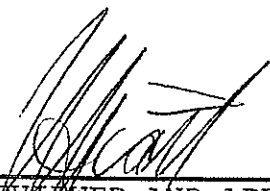
ANALYSIS NO.: 808825-001/002  
ANALYSES: EPA Method 418.1  
DATE SAMPLED: 03/11/88  
DATE SAMPLE REC'D: 03/28/88  
PROJECT: Ullman 29C5,8C

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 Infrared 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

TOTAL RECOVERABLE PETROLEUM  
HYDROCARBONS  
EPA Method 418.1  
(mg/kg)

Sample Identification

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	ANALYSIS NO.: 808825-001/002
3052 Clairemont Dr., Suite H-10	ANALYSES: EPA Method 418.1
San Diego, CA 92117	DATE SAMPLED: 03/11/88
ATTN: Mr. Walter Kitchin	DATE SAMPLE REC'D: 03/28/88
	PROJECT: Ullman 29C5,8C

---

QA/QC SUMMARY

<u>Date</u>	<u>Parameter (method)</u>	<u>Average Matrix Spike Recovery%</u>	<u>Acceptable Range%</u>	<u>Relative Percent Difference</u>	<u>Acceptable Range%</u>
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 HYDROBIOLOGIC CONSULT  
 ADDRESS BEEZ CLARENMENT DR STEB  
SAN DIEGO, CA. 92117

PROJECT MANAGER  
WALTER KILGLEN  
 PHONE NUMBER  
619 275 6577

PROJECT NAME  
ULLMAN 29CS18C  
 SAMPLERS: (Signature)  


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


Relinquished by: (Signature) [Signature] Received by: (Signature) [Signature] Date/Time 3/28/88 3:15 P.M.

Relinquished by: (Signature) [Signature] Received by: (Signature) [Signature] Date/Time \_\_\_\_\_

Relinquished by: (Signature) [Signature] Received by Mobile Laboratory for field analysis: (Signature) \_\_\_\_\_ Date/Time \_\_\_\_\_

Dispatched by: (Signature) \_\_\_\_\_ Received for Laboratory by: [Signature] Date/Time 3/28/88 5:45 P.M.

Method of Shipment: \_\_\_\_\_ I hereby authorize the performance of the above indicated work.

Special Instructions:  
24 hr. RUSH  
Just old the machine.  




**Chemical Research Laboratories, Inc.**

7440 Lincoln Way • Garden Grove, CA 92641  
(714) 898-6370 • (213) 598-0458

RECEIVED

MAR 28 1988

Ans'd.....

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 Infrared 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

TOTAL RECOVERABLE PETROLEUM  
HYDROCARBONS  
EPA Method 418.1  
(mg/kg)

Sample Identification

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

<u>Date</u>	<u>Parameter (method)</u>	<u>Average Matrix Spike Recovery%</u>	<u>Acceptable Range%</u>	<u>Relative Percent Difference</u>	<u>Acceptable Range%</u>
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

**CHAIN OF CUSTODY RECORD**

Date 22 MAR 1988 Page 1 of 1

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

CLIENT APPLIED HYDROGEOLOGIC CONSULT  
 ADDRESS 3052 CLAIREMONT DR SAE B  
SAN DIEGO CA 92117

PROJECT MANAGER  
WALTER KITCHMAN

PHONE NUMBER  
75-6577

SAMPLERS: (Signature)  


SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE		SOLID	NO. OF CNTNRS	TESTS REQUIRED
				WATER Comp.	AIR Grab.			
W087D15	WASTEWATER TANK BOILING	3/22	0930			Soil	1	418.1
W087D17 1/2	"	3/22	0950			Soil	1	"
W088D15	"	3/22	1045			SOIL	1	"
W088D17 1/2	"	3/22	1100			SOIL	1	"
W088D20	"	3/22	1330			SOIL	1	"

Relinquished by: (Signature) X Walter Kitchman Date/Time 3/22/88 3:57 P.M.

Relinquished by: (Signature) [Signature] Date/Time \_\_\_\_\_

Relinquished by: (Signature) [Signature] Date/Time \_\_\_\_\_

Dispatched by: (Signature) \_\_\_\_\_ Date/Time \_\_\_\_\_

Received by: (Signature) \_\_\_\_\_ Date/Time \_\_\_\_\_

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

Received for Laboratory by: Don Banding Date/Time 3/22/88 5:55 PM

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 \_\_\_\_\_

Method of Shipment: \_\_\_\_\_

Special Instructions: 24 hr. BUSH

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



ATI I.D. 803145

March 25, 1988

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

RECEIVED  
MAR 28 1988  
Ans'd.....


Project No.: 29C5.8C

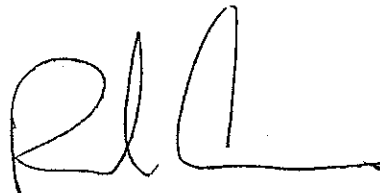
Project Name: Ullman-Shell

Attention: Walter Kitchen

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 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  
PROJECT # : 29C5.8C  
PROJECT NAME : ULLMAN-SHELL

DATE RECEIVED : 03/14/88

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.



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

---



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

## QUALITY CONTROL DATA

TEST : POLYCHLORINATED BIPHENYLS (EPA METHOD 8080)

ATI I.D. : 803145

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

RECEIVED

MAR 21 1988

Ans'd.....

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

<u>SAMPLE IDENTIFICATION</u>	<u>FLASH POINT</u> EPA METHOD 1010 <u>(degree F)</u>	<u>ORGANIC LEAD</u> DOHS <u>(mg/kg)</u>
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) 598-0458

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

<u>Date</u>	<u>Parameter (method)</u>	<u>Average Matrix Spike Recovery</u>	<u>Acceptable Range</u>	<u>Relative Percent Difference</u>	<u>Acceptable Range</u>
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 2052 CLAIREMONT DR. STE B  
SAN DIEGO CA 92117

**PROJECT MANAGER**

WALTER KITCHIN

**PHONE NUMBER**

275-6577

**PROJECT NAME**

ULLMAN 29C518C

**SAMPLERS: (Signature)**

Walter Kitchen

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE			SOLID	NO. OF CNTNRS	TESTS REQUIRED
				WATER Comp.	AIR Grab.				
COMP EXP	COM POSITIVE FROM PILES	3/17/88	1430			SOIL	1	FLASH PT. (M. Org. & Pol.)	

Relinquished by: (Signature) Walter Kitchen

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

Relinquished by: (Signature) Agg...

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

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

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

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

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

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

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

Store for \_\_\_\_\_ days, by \_\_\_\_\_

Other \_\_\_\_\_ by \_\_\_\_\_

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

Date/Time 3/17/88 5:32 PM

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

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

Date/Time 3/17/88 9:00 PM

**Method of Shipment:**

I hereby authorize the performance of the above indicated work.

**Special Instructions:**

24 hrs  
CR want the work done by 3/17/88 3:45 pm - OK  
WALTER KITCHIN

SOURCE: Adapted from U.S. EPA, 1985

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

CCR-100

Appendix D  
Waste Manifest

.h typewriter).

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

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. CA 0000064133	Manifest Document No. 18001	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 DR. LA MESA, CA 92041			A. State Manifest Document Number 87432210		B. State Generator's ID CA0000064133
4. Generator's Phone 760 275-6577			C. State Transporter's ID 9032-101238		
5. Transporter Company Name DICK'S ENTERPRISES WRIGHT BROS.		6. US EPA ID Number CA 0951167572		D. Transporter's Phone (619) 398-5651	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID	
9. Designated Facility Name and Site Address CASMALIA RESOURCES NIU ROAD CASMALIA, CA 93429		10. US EPA ID Number CA 020748125		G. State Facility's ID CA 020748125	
				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
a. HAZARDOUS, WASTE, SOLID NOS ORM-E NA9189		002	D	1000	15 Y
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above SOIL THAT IS CONTAMINATED WITH PETROLEUM HYDROCARBONS. SEE ATTACHED ANALYSIS		K. Handling Codes for Wastes Listed Above		I. Waste No. 611 EPA/Other 0001	
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 WALTER V KITCHIN		Signature <i>Walter V. Kitchin</i>		Month Day Year 03 22 88	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name Tom Tabors		Signature <i>Tom Tabors</i>		Month Day Year 03 22 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	



APR 11 11 27 AM '88

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

by

APPLIED HYDROGEOLOGIC CONSULTANTS

March 29, 1988

Project Number 29C5.8C

APR 11 10 06 AM '88

## 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 were 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 were 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

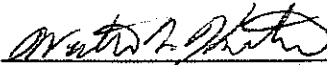
##### Soil Excavation Plan

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 access 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.

  
\_\_\_\_\_  
Walter V. Kitchin, EIT  
Staff Geologist


Sincerely,  
  
\_\_\_\_\_  
Bernard J. Luther, CEG 4356  
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)

<u>SAMPLE NO.</u>	<u>DATE SAMPLED</u>	<u>CRL REPORT #</u>	<u>TPH</u>
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)

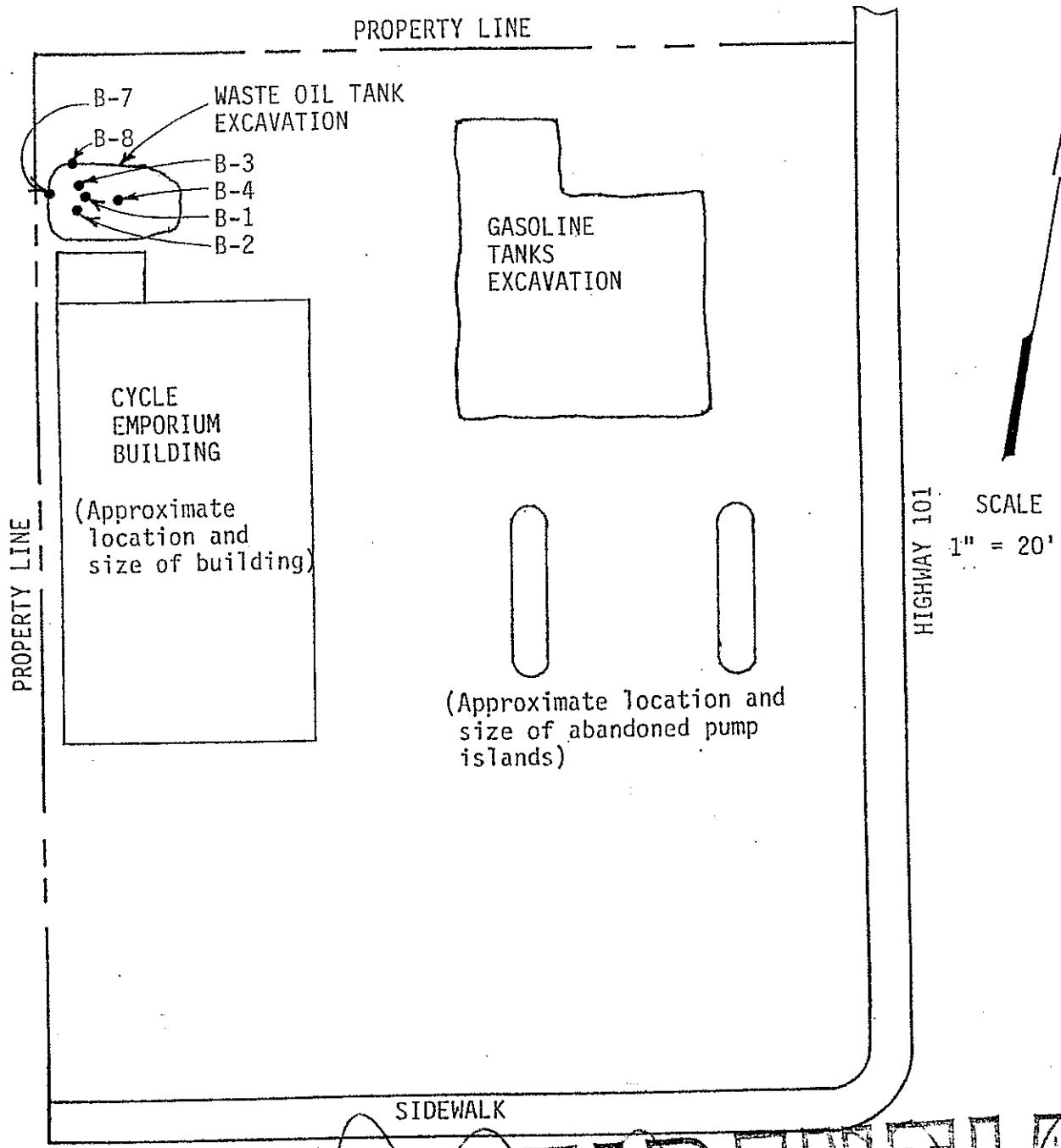
<u>SAMPLE NO.</u>	<u>DATE SAMPLED</u>	<u>CRL REPORT #</u>	<u>TPH</u>
BE-1	9 Feb.	804120	26,000 ppm
WOB-D10	24 Feb.	805627	27,000 ppm
WO-D12	"	"	25,000 ppm
COMP-DSP	"	"	20,000 ppm
COMP-BF3	"	"	77 ppm
WO-D17	29 Feb.	806019	39,000 ppm
WO-D20	"	"	120 ppm
WOST-D9	"	"	22 ppm
WOPL-D8	"	"	19 ppm

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

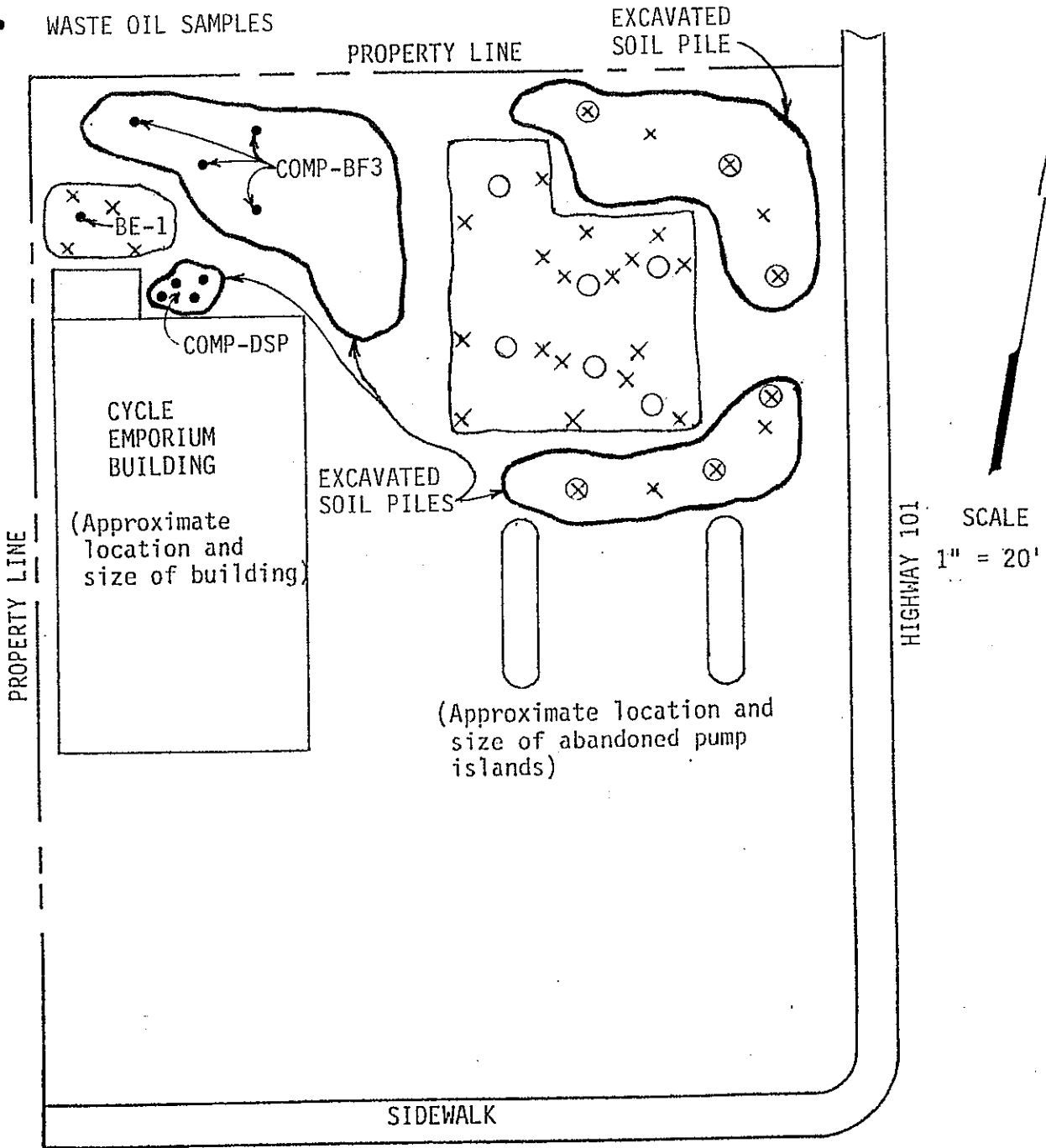


**CONFIDENTIAL**



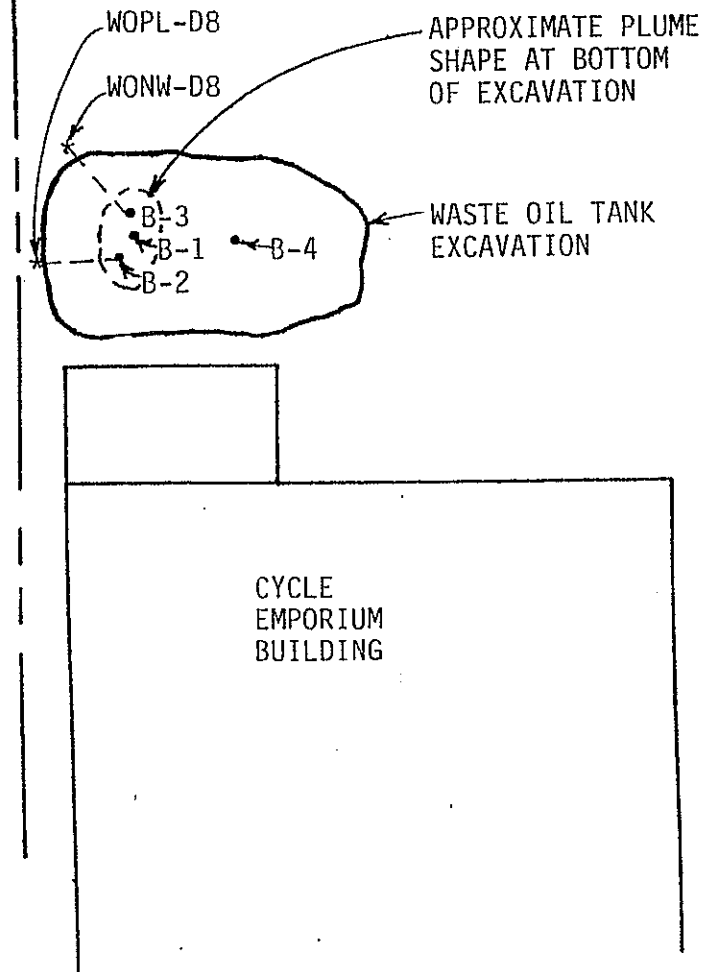
- X OVM SCREENING
- ⊗ COMPOSITE EXCAVATED MATERIAL (ES-COMP)
- COMPOSITE BOTTOM MATERIAL (BE-432)
- WASTE OIL SAMPLES

NOTE: WASTE OIL TANK BORINGS ARE NOT SHOWN.



~~CONFIDENTIAL~~

PROPERTY LINE



NOTE: PLUME SHAPE DEVELOPED FROM FIELD OBSERVATIONS

**CONFIDENTIAL**

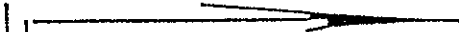
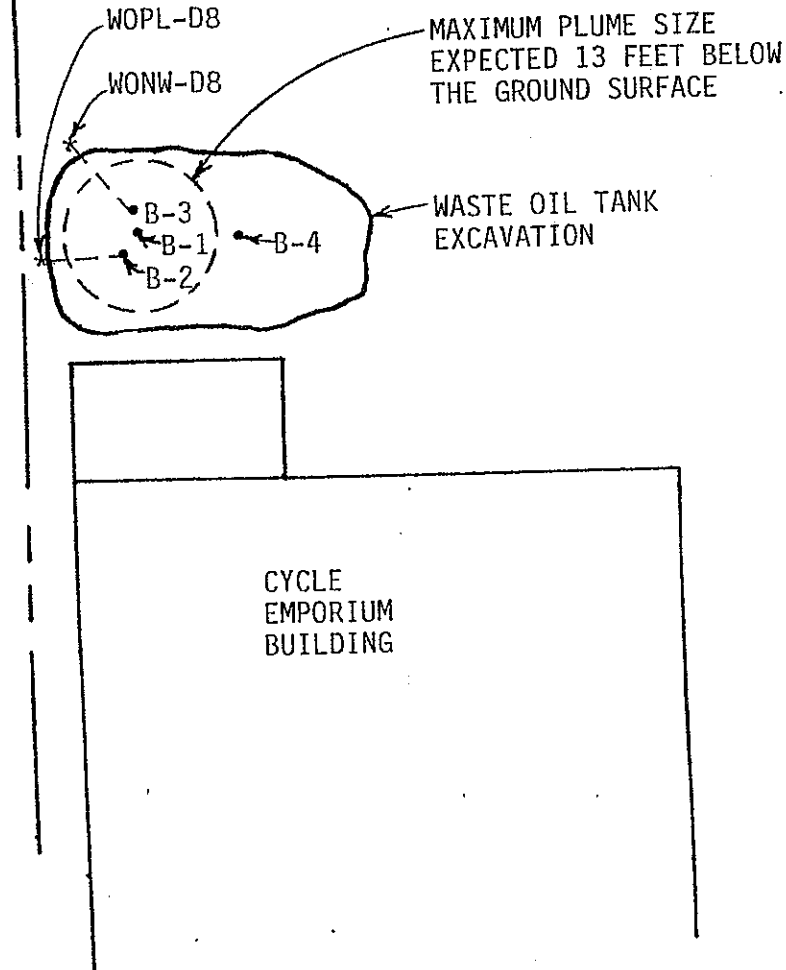
APPLIED  HYDROGEOLOGIC  
consultants  
3052 Claremont Drive, Suite 11-10 • San Diego, CA 92117 • (619) 275 6577

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

Project No.  
AHC 29C5.8C

PROPERTY LINE

SCALE  
1" = 10'



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

**CONFIDENTIAL**

APPLIED HYDROGEOLOGIC consultants  
3052 Claremont 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

Date 19 February 1988

Boring No. WO-B1

Project No. 29C5.8C

# BORING LOG

Depth Ft	Soil Class Smb1	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 27'10"
12.0		A		sand visually contaminated with oil - Sample WO-D12 26'00"
14.0		A		- Sample WO-D14
16.0		A		- Sample WO-D17 29'00"
18.0		A	White loose medium to coarse sand.	No indication of oil
20.0		A		- Sample WO-D20 120 ppm
			BOTTOM OF BORING 19.5 FT.	

**CONFIDENTIAL**

Date 29 February 1988

# BORING LOG

Boring No. WO-B2

Project No. 29C5.8C

Depth Ft.	Soil Class Smb	Sample No	Soil Description	Comments
1.0-			STARTS AT A DEPTH OF 8 FEET AND PROCEEDS DOWNWARD AT 45° IN A WESTERLY DIRECTION, RECORDED DEPTHS ARE DISTANCE ALONG THE 45° BORING.	
2.0-			Gray, moist, medium dense, fine to medium sand (SW)	Oil staining present
3.0-				Oil stain decreasing
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	<del>BOTTOM of BORING 9 FEET</del>	-Sample WOPL-D8
10.0-			NOTE: Due to the angle, the bottom of this boring is $\approx 14\frac{1}{2}$ feet below the ground surface and $6\frac{1}{2}$ feet from WO-B1 (center of the plume).	

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

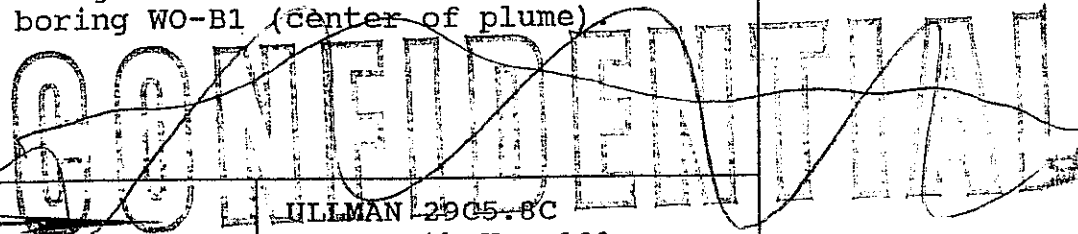
Date 29 February 1988

# BORING LOG

Boring No. WO-B3

Project No. 29C5.8C

Depth Ft.	Soil Class Smb	Sample No	Soil Description	Comments
1.0-			STARTS AT A DEPTH OF 8 FEET AND PROCEEDS DOWNWARD AT 45° IN A NORTHWESTERLY DIRECTION. RECORDED DEPTHS ARE DISTANCE ALONG THE 45° BORING.	
2.0-			Gray, moist, medium dense, fine to medium sand. (SW)	Oil staining present
3.0-				Oil stain decreasing
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 <i>No analysis</i>
9.0-			NOTE: Due to the angle, the location of the bottom of this boring is $\approx 13\frac{1}{2}'$ below the ground surface and 6 feet from boring WO-B1 (center of plume)	
10.0-				



APPLIED HYDROGEOLOGIC consultants

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

Date 29 February 1988

# BORING LOG

Boring No. WO-4

Project No. 29C5.8C

Depth Ft	Soil Class Smb	Sample No	Soil Description	Comments
2.0  4.0  6.0  8.0			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.
8.0  10.0		A	Gray, moist, medium dense, fine to medium sand (SW) BOTTOM OF BORING 9½ FEET	7 ft. bottom of tank and excavation  -Sample WOST-D9  22 ppm
10.0  12.0  14.0  16.0  18.0  20.0				

~~CONFIDENTIAL~~



Appendix C  
Laboratory Results



**Chemical Research Laboratories, Inc.**

7440 Lincoln Way • Garden Grove, CA 92641  
(714) 898-6370 • (213) 598-0458

RECEIVED  
FEB 26 1988

Ans'd.....

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.***

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(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.: 804120-001  
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

Sample ID: BE 1 Waste Oil Tank

POLYCHLORINATED BIPHENYLS (PCB'S)

<u>Parameters</u>	<u>Results in (ug/kg)</u>
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.**

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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

<u>Date</u>	<u>Parameter (method)</u>	<u>Average Matrix Spike Recovery%</u>	<u>Acceptable Range%</u>	<u>Relative Percent Difference</u>	<u>Acceptable Range%</u>
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.**

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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)  
Flash Point (<sup>o</sup>F) (EPA 1010)  
Organic Lead (EPA 6010)

26,000.  
None up to 200<sup>o</sup>F  
5.3



**Chemical Research Laboratories, Inc.**

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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

TOTAL PETROLEUM  
HYDROCARBONS  
PENTANE EXTRACTION  
EPA METHOD 8015  
(mg/kg)

SAMPLE IDENTIFICATION

BE 432 Bottom Gasoline Tank  
ES Comp Gasoline Tank

ND(1.)  
ND(1.)

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

**CHEMICAL RESEARCH LABORATORIES, INC.**  
7440 Lincoln Way • Garden Grove, CA 92641  
(714) 898-6370 • FAX: (714) 891-5917 • (800) LAB-1CRL

CLIENT Applied Hydrogeologic Con.  
ADDRESS 3052 Clairmont Dr. Ste B,  
San Diego, CA

PROJECT MANAGER Walden V. Kitchin  
PHONE NUMBER (619) 275-6577  
SAMPLERS (Signature) [Signature]

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE		SOLID	NO. OF CNTNRS	TESTS REQUIRED
				WATER	AIR			
BE 1	waste oil tank bottom exc.	9 FEB 88		Soil		Soil	1	418.1, PCB'S, Total, Pb, Slash point
BE 432	Bottom gasoline tank excavation	9 FEB 88		Soil Comp.		Soil Comp.	1	8015 Suel Singepri?
ES COMP	gasoline tank excavated soils	9 FEB 88		Soil Comp		Soil Comp	1	8015 Suel Singepri. 501

Relinquished by: (Signature) [Signature] Received by: (Signature) [Signature] Date/Time 2/10/88 3:35  
Relinquished by: (Signature) [Signature] Received by: (Signature) [Signature] Date/Time \_\_\_\_\_  
Relinquished by: (Signature) [Signature] Received by: (Signature) [Signature] Date/Time \_\_\_\_\_

Dispatched by: (Signature) \_\_\_\_\_ Received for Laboratory by: Don Binkley Date/Time 2/10/88 5:30

Method of Shipment: \_\_\_\_\_  
Special Instructions: REGULAR TURBOWASH !!  
I hereby authorize the performance of the above indicated work. PPD. 1331  
[Signature]



***Chemical Research Laboratories, Inc.***

SOUTHERN CALIFORNIA DIVISION

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

RECEIVED  
MAR 07 1988  
Ans'd.....

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.

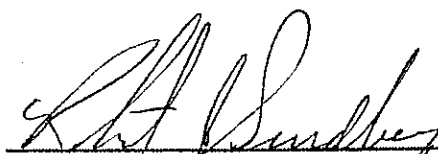
Enclosed with this letter are the reported data from the chemical and physical analyses requested for the samples submitted. As required the samples were analyzed by the following test(s):

EPA METHOD 418.1, Total Petroleum Hydrocarbons by Infrared 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

<u>Date</u>	<u>Parameter(method)</u>	<u>Average Matrix Spike Recovery%</u>	<u>Acceptable Range%</u>	<u>Relative Percent Difference</u>	<u>Acceptable Range%</u>
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

WOB-D10 Bottom EXC.

WO-D12 Waste Oil  
2' below Bottom

COMP-BF3 (composite)  
Backfill Soil

COMP-DSP (composite)  
Dirty Stock Pile

TOTAL PETROLEUM  
HYDROCARBONS  
EPA Method 418.1  
(mg/kg)

27,000.

25,000.

77.

20,000.



**Chemical Research Laboratories, Inc.**

SOUTHERN CALIFORNIA DIVISION

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**LABORATORY REPORT**

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

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.

SAMPLE ID: COMP-BF3 (composite)  
Backfill Soil

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.)



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**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  
Aroclor - 1221  
Aroclor - 1232  
Aroclor - 1242  
Aroclor - 1248  
Aroclor - 1254  
Aroclor - 1260

ND(80.)  
ND(80.)  
ND(80.)  
ND(80.)  
ND(80.)  
ND(80.)  
ND(80.)

Note: Higher detection limit due to sample matrix.

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

**CHEMICAL RESEARCH LABORATORIES, INC.**  
7440 Lincoln Way • Garden Grove, CA 92641  
(714) 898-6370 • FAX: (714) 891-5917 • (800) LAB-1CRL

CLIENT Applied Hydrogeologic  
ADDRESS 3052 Clairemont Dr. Ste B  
SAN DIEGO, CA 92117  
PROJECT NAME WILLMAN 29CS, 8C

PROJECT MANAGER  
WALTER KITCHIN

PHONE NUMBER  
(619) 275-6577

SAMPLERS: (Signature)  
Walter Kitchin

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE		SOLID	NO. OF CNTNRS	TESTS REQUIRED
				WATER	AIR			
WOB-D10	Bottom Exc.	2/24	1459			soil	1	418.1 RUSH
WOB-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 *
COMP-DSP	composite Dirty Stock pile	2/24	1520			soil	1	8080 PCB'S
								8080 PCB'S

Relinquished by: (Signature) Walter Kitchin Date/Time 2/25/88 3:28 PM  
 Relinquished by: (Signature) Walter Kitchin Date/Time \_\_\_\_\_  
 Relinquished by: (Signature) Walter Kitchin Date/Time \_\_\_\_\_

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

Received for Laboratory by: APM Bunkley Date/Time 2/25/88 6:00 PM

I hereby authorize the performance of the above indicated work.  
 Method of Shipment: \_\_\_\_\_  
 Special Instructions: \* 24hr. RUSH ON 3 - 418.1 (CARE FULL - SITE HAS PCB'S)

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 04 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**

WO-D17  
WO-D20  
WOST-D9  
WOPL-D8

TOTAL PETROLEUM  
HYDROCARBONS  
EPA METHOD 418.1  
(mg/kg)

39,000.  
120.  
22.  
19.



**Chemical Research Laboratories, Inc.**

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(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

<u>Date</u>	<u>Parameter(method)</u>	<u>Average Matrix Spike Recovery%</u>	<u>Acceptable Range%</u>	<u>Relative Percent Difference</u>	<u>Acceptable Range%</u>
3/1/88	Total Petroleum Hydrocarbons (EPA 418.1)	100	80-120	0	26



**CHEMICAL RESEARCH LABORATORIES, INC.**

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

CHAIN OF CUSTODY RECORD  
 Date 29 FEB 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 29C5.8C

SAMPLERS: (Signature)

Walter A. Kitchin

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE		SOLID	NO. OF CNTNRS	TESTS REQUIRED
				WATER Comp.	AIR Grab.			
<u>W0-D17</u>	<u>WASTE OIL TANK BORING</u>	<u>29 FEB</u>				<u>Soil</u>	<u>1</u>	<u>418.1</u>
<u>W0-D20</u>	<u>11</u>	<u>29 FEB</u>				<u>Soil</u>	<u>1</u>	<u>418.1</u>
<u>W0ST-D9</u>	<u>CENTER 3 BELOW BOTTOM</u>	<u>29 FEB</u>				<u>Soil</u>	<u>1</u>	<u>418.1</u>
<u>W0PL-D8</u>	<u>WEST UNDER PROPERTY LINE</u>	<u>29 FEB</u>				<u>Soil</u>	<u>1</u>	<u>418.1</u>

*NO OF THESE WAYS HAVE BEEN USED*

Relinquished by: (Signature)

Walter A. Kitchin

Received by: (Signature)

[Signature]

Relinquished by: (Signature)

[Signature]

Received by: (Signature)

[Signature]

Relinquished by: (Signature)

[Signature]

Received by: (Signature)

[Signature]

Dispatched by: (Signature)

Received for Laboratory by:

Ann Bending

Date/Time

2/29/88 5:50

Method of Shipment:

I hereby authorize the performance of the above indicated work.

Special Instructions:

Rush 24 hrs.  
(CAREFUL!!)  
(PCB'S MAY BE PRESENT)

Walter A. Kitchin

# UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I 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 DATE: 08/11/88		
REPORT DATE 0 <u>M</u> 2 <u>M</u> 0 <u>D</u> 9 <u>D</u> 8 <u>Y</u> 8 <u>Y</u>		CASE # XXXXK07X T0914		SIGNED: _____ DATE: _____		
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Walter Kitchin		PHONE (619) 275-6577		SIGNATURE	
	REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME Applied Hydrogeologic Consultants			
	ADDRESS 3052 Clairemont Dr. Suite B, San Diego, CA 92117					
RESPONSIBLE PARTY	NAME Dr. Ullman <input type="checkbox"/> UNKNOWN		CONTACT PERSON		PHONE (619) 463-4486	
	ADDRESS 4786 Mt. Helix Drive, La Mesa, CA 92041					
SITE LOCATION	FACILITY NAME (IF APPLICABLE) Not Known, Closed in 1969		OPERATOR		PHONE ( )	
	ADDRESS 343 South Highway 101, Solana Beach, San Diego,					
	CROSS STREET Dahlia Drive		TYPE OF AREA <input checked="" type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> RURAL <input type="checkbox"/> RESIDENTIAL <input type="checkbox"/> OTHER		TYPE OF BUSINESS <input checked="" type="checkbox"/> RETAIL FUEL STATION <input type="checkbox"/> FARM <input type="checkbox"/> OTHER	
IMPLEMENTING AGENCIES	LOCAL AGENCY HMMD (County Health Services)		CONTACT PERSON Dave Felix		PHONE (619) 236-2222	
	REGIONAL BOARD RWQCB (San Diego)		Scott Hugenberger		PHONE (619) 265-5114	
SUBSTANCES INVOLVED	(1) NAME Waste Oil		QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN			
	(2)		<input type="checkbox"/> UNKNOWN			
DISCOVERY/ABATEMENT	DATE DISCOVERED 0 <u>M</u> 2 <u>M</u> 0 <u>D</u> 9 <u>D</u> 8 <u>Y</u> 8 <u>Y</u>		HOW DISCOVERED <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> OTHER			
	DATE DISCHARGE BEGAN ____ M ____ M ____ D ____ D ____ Y ____ Y <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> OTHER			
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 0 <u>M</u> 2 <u>M</u> 0 <u>D</u> 9 <u>D</u> 8 <u>Y</u> 8 <u>Y</u>					
SOURCE/CAUSE	SOURCE OF DISCHARGE <input checked="" type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		TANKS ONLY/CAPACITY 550 GAL GAL. AGE 25 YRS <input type="checkbox"/> UNKNOWN		MATERIAL <input type="checkbox"/> FIBERGLASS <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> OTHER	
	CAUSE(S) <input checked="" type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input checked="" type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> SPILL <input type="checkbox"/> OTHER					
CASE TYPE	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input checked="" type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)					
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) <input checked="" type="checkbox"/> CLEANUP IN PROGRESS <input type="checkbox"/> SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> NO FUNDS AVAILABLE TO PROCEED <input type="checkbox"/> EVALUATING CLEANUP ALTERNATIVES					
REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input checked="" type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> OTHER (OT)					
COMMENTS	08, 11, 88   HMMD					

***MEMOS***

***AND***

***NOTES***

SITE REMEDIATION SUMMARY

File No. T0914/H 26441

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 ULLMAN

Phone 469-3494

HAZMAT Specialist DAVID FELIX

Phone 836-2222

	Yes	No	NA
Off Site Impacts	_____	<u>X</u>	_____
Beneficial Use Area for Ground Water	_____	<u>X</u>	_____
Known Public Health Risks	_____	<u>X</u>	_____
Further Environmental Monitoring Required	_____	<u>X</u>	_____
Consultant's Report on File	<u>X</u>	_____	_____
RWQCB Concurrence with Remediation <sup>SH 2/26/88</sup> <sub>5/17/88</sub>	<u>X</u>	_____	_____
Manifests Provided (Quantity Removed <u>14 YDS<sup>3</sup></u> )	<u>X</u>	_____	_____

Contaminant: WASTE OIL, PCB

Cleanup Levels Established: 1000 mg/kg TPH, 10 mg/kg PCB

Maximum Concentrations Remaining On-Site: TPH 1700 mg/kg (2 yds<sup>3</sup>), 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. Minon Amount should not create any significant risk.

Wilson - Milton Ullman  
H26441 / T 0914

6/13/88 2:00

He asked about sign off letter - seems vague.  
Interested in future site development - will be  
metal or shipping 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 detectors, GPR, drilling etc. Cassatt wants  
known methods. This may be required by  
lenders, buyers etc, but HMMI does not  
require such complete site assessments.

DWF

## Notes for kitchen

RWQCB report sent to AMMD (Duplicate) report of 7 April '88

Describe "bell" dimensions - est 11-12 ft 4-5 feet  
method of visual inspection of bore walls  
Why was area of S-2 missed? (High TPN value)

Need boring 1 ft aithard of S-2 location  
sample 15, 20 ft

Telcom - Call from W. Kitchen 4/13/88 12:40

Initial hole done with 4 ft open flight auger  
Over reaming + bellied done by drilling rig.

Watering noticed on side walls.

I noted cc lock, he says they have ATI to KAC cc  
Will send

I suggested sample outboard (1 ft) of S-2  
Take samples at 15, 17½, 20 ft. Examine manually  
(or use PID), have most analyzed by 418.1.  
If all look ok, do sample from 20 ft.

I noted that I could get 1 "excess" sample leg  
(the one at bottom of hole), but not 2 or 3  
(high side wall values).

Additional boring over S-2 will serve as verification  
of limit of contamination/cleanups

DWF

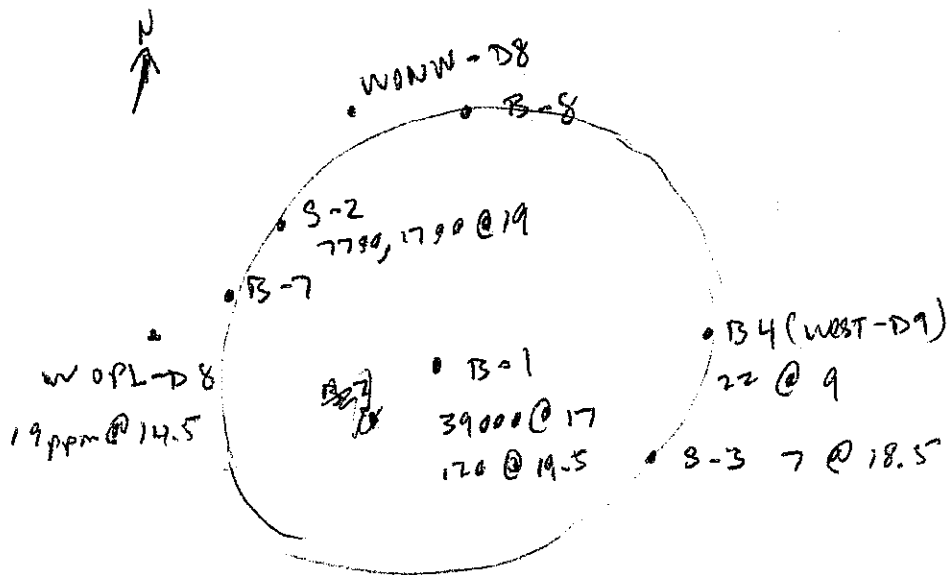
Notes  
4/12/88

343 So Highway 101 Salama Beach

Final dig 10 ft  
After soil removal by bucket auger, AHC found  
5700 ppm at 19 ft (S-2, NWN well)  
Reanalysis of S-2 yielded 1700

Bottom of hole (infill) <sup>S-1</sup> yielded 1300 and 640 ppm

original angled boring WOPC-D8 yielded 19 ppm at 14.5 ft  
original angled boring WOWN-D8 not analyzed, but  
no visible oil detection ~13 1/2 ft below surface



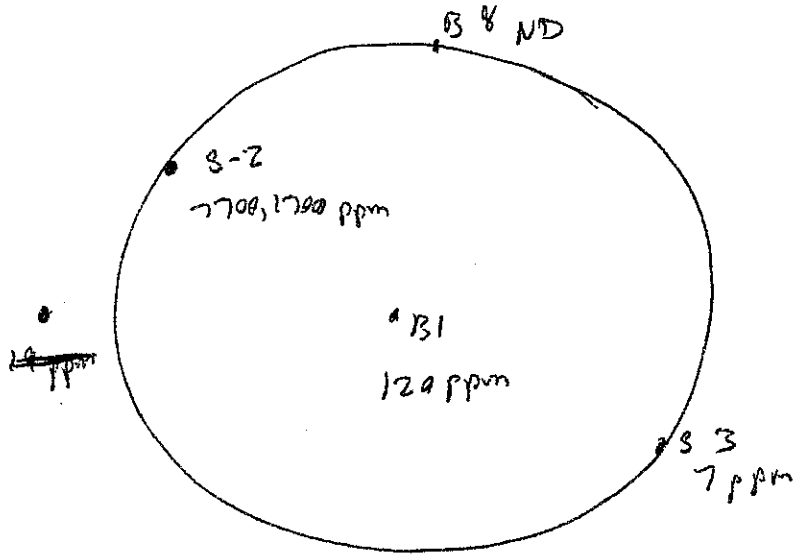
Bottom of tank at 7 ft  
Deepest known contour  
at 19.5 (B-1)

Where was bucket auger centered in relation to first set of samples? Plat plans indicate centered at B-1  
ultimate diameter = 10 ft. WOPC-D8 is 6 1/2 ft horizontal from B-1  
so it was not dug out by 5 ft radius bore.

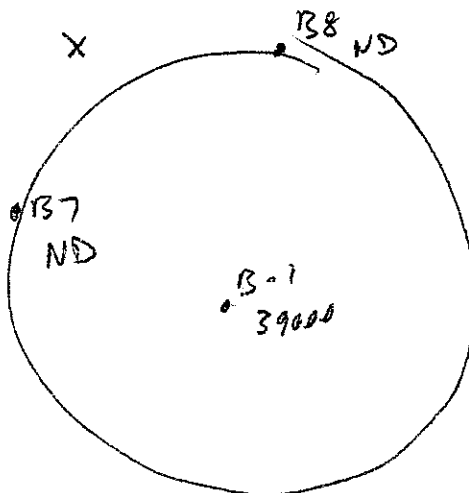


N  
↑

Plom ~ 19ft - 20ft



Plom 17.5



Need samples at X 15-20ft

Telcom 4/11/88

11:40

Call Walter Bittner 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 HMMB this a.m. It has more analyses at -20 ft deep.

Bucket auger work has been done. I suggested plan veins of contamination at various depths, especially max depth of removal.

Large bucket auger work completed

DWF

"Bucket" turned out to be open flight auger ~~work~~

Call <sup>from</sup> Walter Kitcher  
Re Ullman property

3/18

10:20

Have excavated 95% of contaminated with 6ft dia  
~~drum~~ auger.

Sample from bottom	1300 ppm	(20ft)
NW Side near bottom	7700 ppm	

SW side with 7 ppm

PCB's not detected in any subsequent samples  
detection 8 ppb

Somebody threw gasoline in hole, down ~4 ft in  
sand

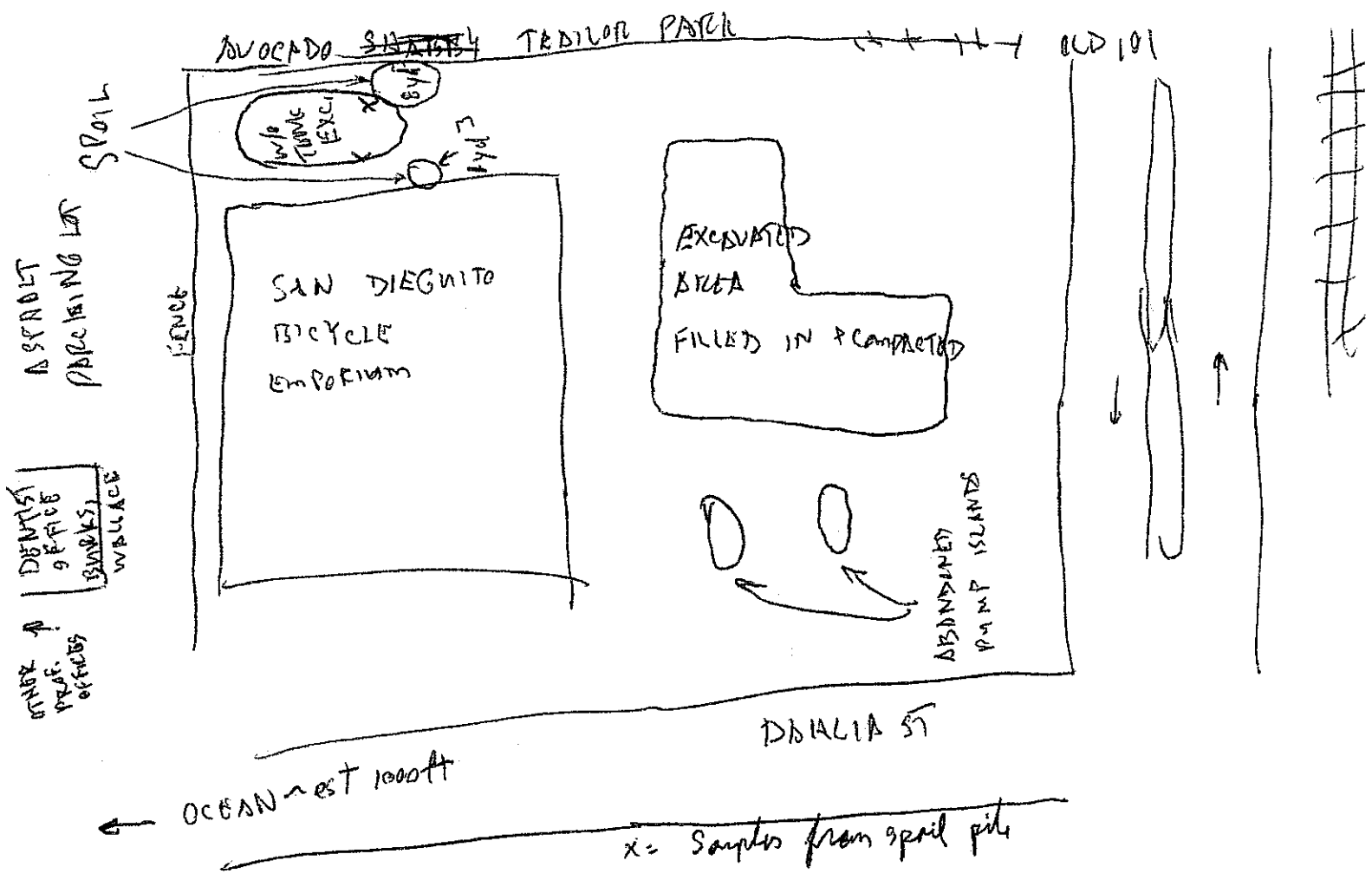
Telcom From Walter Kitcher 3/1/88 3:20

He wanted to know about cleanup levels for 343 - South  
101 site. I said less than 50 ppm PCB and 1000 ppm  
TPH per S. Augenberger.

He took more samples (borings) yesterday. Air contamination  
seems to stop about 19 feet below grade with little  
lateral movement. He will have analyses by 2:5 PM  
today. Unknowns are anxious

DWF

Site Visit  
 Ullman Property 343 S. Highway 101 Salina Beach 2/25 2:25



W/o Tank excavation about 12' ft <sup>gray</sup>, orange and buff sand (old beach) for native soil backfill. Small spill pile (~1 yd<sup>3</sup>) on and covered by black plastic sheet. ~~Not visible~~ Pronounced dark brown stain at ~~the~~ 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.

Telecom - Walter Kitcher 2/24 2 PM

Call W. Kitcher - I gave him PCB levels noted  
on note appended to Telecom of 2/23

Said I would have to talk to S. Hagenberger for  
specifics because of beneficial use, presence of logjam  
and proximity to ocean. (Kitcher says ~4 blocks - is on  
West side of 101)

X

Telecom 2/23/88 4:50

Called Walter Kitcher re 343 S. Hwy 101 San Beach

They have sampled gas tank excavations, material ND for TPH

Waste oil tanks at West end of excavation gave 26,000 ppm TPH and 140 pp PCB & ROCLOR 1242

Material is sand

I will call him back with PCB limits

Title 22 Article 9 See 66680 PCB Extremely Hazardous Waste  
See 66699 - Waste is hazardous if it contains PCB  
at 5%  $\leq 0$  mg/l, TLIC 50 mg/kg

TLIC PCB 5,000 mg/kg  $\rightarrow$  Ext Hazard Waste

See Policy + Procedure Manual

Manbook ~~no~~ state action levels to protect G.W.

in Solid 79 mg/kg pptillion

To protect marine waters Total in solid 3 mg/kg  
check with Scott H. ↓

INDUSTRY INSPECTION ADDENDUM REPORT

ESTABLISHMENT # H 26441 AT 1107 DATE 2-9-88

INSPECTOR GRIFFITH

ORDER OF REMOVAL

#1) 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

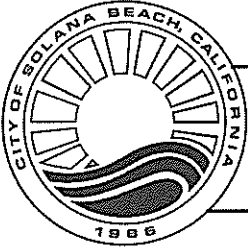


CLERICAL WORK SHEET

DATE	COMMENTS	INITIALS
4/27	submit for close	DWF
4/27	Call Walter Kitcher re missing manifest for 15 yd <sup>3</sup> , it is still on site. Will haul when we haul into	
	ok is given	DWF
5/16	Call from Walter Kitcher - he is wondering about sign off. I said I would resubmit for sign off. Soil has been removed. We will send manifest tomorrow	
5/17	Called S. Hagenberger, explained 1700 ppm sample and other sample values. He says ok to leave low volume on site.	
5/17	submit for close, again	
5/17	Rec. soil manifest for 14 yd <sup>3</sup>	
6/9	Call from Don Ullman re progress. I said to check with Gallagher & Amesa	
6/9	Call from W. Kitcher re progress - as above	
6/9	Don Amesa found unopened letters - signed + sent.	
6/9	closed	
3/7/89	Copy field inspection form from tank removal for Michael Andros of MTA Consulting	Cherie
5/23/89	Mark Bidegain here to review files per written request	ND FA <sup>2</sup>
9/20/89	✓FORPR	
11/1/89	Judd Warren of Malcolm Pirnie cancelled request to review file	ND
11/21/89	Norman Saca of Heston here to review file per written request	ND
12/16/91	Gene + Milton Ullman here to review files (#12-15)	ND

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 Walter Kitcher - high TPN in W/O and 150 ppm PCB	DWF
2/24	Called Kitcher - see Telecom	DWF
2/25	Site Visit	DWF
2/26	Call S. Ruppberg - he will want less than 50 ppm PCB	DWF
3/1	Call from Walter Kitcher - 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	KMA
3/18	Telecom from Walter Kitcher AHC see Telecom	DWF
4/11	Call Walter Kitcher see Telecom - comments on 4/4 report	DWF
4/7	Rec. Report from AHC	DWF
4/13	Called Kitcher, he called back - see Telecom	DWF
4/21 <sup>7</sup>	Letter to Ullman 4/15	
4/25	C.O. reviewed letter - says PCB level in past areas has been 10 ppm not 50. Letter is changed	DWF
4/20	Rec. revisions to AHC report of April 7, 1988 <sup>March 29</sup>	DWF
4/20	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](http://www.ci.solana-beach.ca.us)

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September 15, 2006

Brad Dales  
3189-F Airway Ave.  
[bdales@terracon.com](mailto:bdales@terracon.com)

Dear Brad:

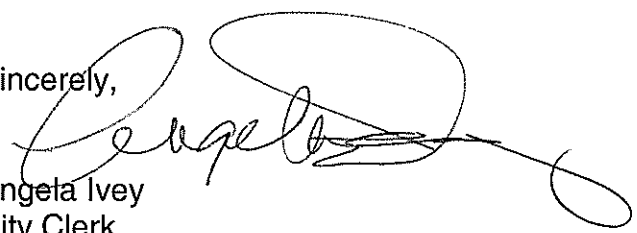
We are in receipt of your letter requesting certain public records from the fire department for documents relating to 329 and 343 S. Highway 101, Solana Beach, CA and 120 and 128 Dahlia Dr.

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](mailto:aivey@cosb.org)

Last Download	02-Feb-2006	<b>HMD ESTABLISHMENTS</b>			
126441	JUNE & MILTON ULLMAN	INACTIVE			
Tank Owner		Property Owner	BANK OF AMERICA NATIONAL TRUST 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	ReglSt	REMOVED	02-Sep-1988	
Monitor	NO TANK MONIT DEV INFO	FinRespDt		UST #	27854
Overfill	OVRFILL UNKNOWN				
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	ReglSt	REMOVED	02-Sep-1988	
Monitor	NO TANK MONIT DEV INFO	FinRespDt		UST #	27855
Overfill	OVRFILL UNKNOWN				
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	ReglSt	REMOVED	02-Sep-1988	
Monitor	NO TANK MONIT DEV INFO	FinRespDt		UST #	27856
Overfill	OVRFILL UNKNOWN				
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	ReglSt	REMOVED	02-Sep-1988	
Monitor	NO TANK MONIT DEV INFO	FinRespDt		UST #	27857
Overfill	OVRFILL UNKNOWN				

## **APPENDIX C**

### **Environmental Database Information**



**EDR**® Environmental  
Data Resources Inc

## **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](http://www.edrnet.com)

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

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# 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 Transverse 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:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
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

<b>Proposed NPL</b> .....	Proposed National Priority List Sites
<b>Delisted NPL</b> .....	National Priority List Deletions
<b>NPL RECOVERY</b> .....	Federal Superfund Liens
<b>CERCLIS</b> .....	Comprehensive Environmental Response, Compensation, and Liability Information System
<b>CERC-NFRAP</b> .....	CERCLIS No Further Remedial Action Planned
<b>CORRACTS</b> .....	Corrective Action Report
<b>RCRA-TSDF</b> .....	Resource Conservation and Recovery Act Information
<b>RCRA-LQG</b> .....	Resource Conservation and Recovery Act Information
<b>ERNS</b> .....	Emergency Response Notification System
<b>HMIRS</b> .....	Hazardous Materials Information Reporting System
<b>US ENG CONTROLS</b> .....	Engineering Controls Sites List
<b>US INST CONTROL</b> .....	Sites with Institutional Controls
<b>DOD</b> .....	Department of Defense Sites
<b>FUDS</b> .....	Formerly Used Defense Sites
<b>US BROWNFIELDS</b> .....	A Listing of Brownfields Sites
<b>CONSENT</b> .....	Superfund (CERCLA) Consent Decrees
<b>ROD</b> .....	Records Of Decision
<b>UMTRA</b> .....	Uranium Mill Tailings Sites
<b>ODI</b> .....	Open Dump Inventory
<b>TRIS</b> .....	Toxic Chemical Release Inventory System
<b>TSCA</b> .....	Toxic Substances Control Act
<b>FTTS</b> .....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
<b>SSTS</b> .....	Section 7 Tracking Systems
<b>ICIS</b> .....	Integrated Compliance Information System
<b>PADS</b> .....	PCB Activity Database System
<b>MLTS</b> .....	Material Licensing Tracking System
<b>MINES</b> .....	Mines Master Index File
<b>FINDS</b> .....	Facility Index System/Facility Registry System
<b>RAATS</b> .....	RCRA Administrative Action Tracking System

### STATE AND LOCAL RECORDS

<b>HIST Cal-Sites</b> .....	Historical Calsites Database
<b>CA BOND EXP. PLAN</b> .....	Bond Expenditure Plan
<b>SCH</b> .....	School Property Evaluation Program
<b>Toxic Pits</b> .....	Toxic Pits Cleanup Act Sites
<b>SWF/LF</b> .....	Solid Waste Information System
<b>CA WDS</b> .....	Waste Discharge System
<b>WMUDS/SWAT</b> .....	Waste Management Unit Database
<b>SWRCY</b> .....	Recycler Database
<b>CA FID UST</b> .....	Facility Inventory Database
<b>SLIC</b> .....	Statewide SLIC Cases
<b>UST</b> .....	Active UST Facilities
<b>AST</b> .....	Aboveground Petroleum Storage Tank Facilities
<b>CHMIRS</b> .....	California Hazardous Material Incident Report System
<b>DEED</b> .....	Deed Restriction Listing
<b>VCP</b> .....	Voluntary Cleanup Program Properties
<b>CLEANERS</b> .....	Cleaner Facilities
<b>WIP</b> .....	Well Investigation Program Case List
<b>CDL</b> .....	Clandestine Drug Labs
<b>San Diego Co. HMMD</b> .....	Hazardous Materials Management Division Database
<b>RESPONSE</b> .....	State Response Sites
<b>HAZNET</b> .....	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.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b><i>CA FURNITURE COLLECTIONS INC</i></b>	<b><i>307 SOUTH CEDROS</i></b>	<b><i>1/8 - 1/4 NNE</i></b>	<b><i>8</i></b>	<b><i>13</i></b>

## 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.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>HANG-UP SQUARE</b>	<b>155 HWY 101 S</b>	<b>1/4 - 1/2 N</b>	<b>11</b>	<b>16</b>
<b>SOLANA BEACH TRANSIT CENTER</b>	<b>105 CEDROS AVE N</b>	<b>1/4 - 1/2 N</b>	<b>D14</b>	<b>23</b>
<b>BILL SMITH FOREIGN CAR</b>	<b>136 N CEDROS AVE</b>	<b>1/4 - 1/2 N</b>	<b>E18</b>	<b>27</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>SOLANA BEACH PROPERTY</b>	<b>437 HWY 101 S</b>	<b>1/4 - 1/2 S</b>	<b>19</b>	<b>33</b>

**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.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>CBS SCIENTIFIC COMPANY INC.</b> Facility Status: Case Closed	<b>420 S CEDROS AV</b>	<b>0 - 1/8 ENE</b>	<b>5</b>	<b>9</b>
<b>HANG-UP SQUARE</b>	<b>155 HWY 101 S</b>	<b>1/4 - 1/2 N</b>	<b>11</b>	<b>16</b>
<b>CULLIGAN WATER CONDITIONING</b> Facility Status: Leak being confirmed	<b>111 S CEDROS AVE</b>	<b>1/4 - 1/2 N</b>	<b>D12</b>	<b>17</b>
<b>UNOCAL SERVICE STATION #7494</b>	<b>101 HWY 101 S</b>	<b>1/4 - 1/2 N</b>	<b>13</b>	<b>22</b>
<b>SOLANA BEACH TRANSIT CENTER</b>	<b>105 CEDROS AVE N</b>	<b>1/4 - 1/2 N</b>	<b>D14</b>	<b>23</b>
<b>NCTD-SOLANA BEACH STATION</b> Facility Status: Case Closed	<b>105 N CEDROS AV</b>	<b>1/4 - 1/2 N</b>	<b>D15</b>	<b>23</b>
<b>BILL SMITH FOREIGN CAR</b> Facility Status: Case Closed	<b>136 N CEDROS AVE</b>	<b>1/4 - 1/2 N</b>	<b>E18</b>	<b>27</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>SOLANA BEACH PROPERTY</b>	<b>437 HWY 101 S</b>	<b>1/4 - 1/2 S</b>	<b>19</b>	<b>33</b>

**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.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>COAST PLUMBING</b>	<b>509 S CEDROS AVE</b>	<b>0 - 1/8 SE</b>	<b>C7</b>	<b>13</b>

## EXECUTIVE SUMMARY

**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.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
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
<b>COAST PLUMBING</b>	<b>509 S CEDROS AVE</b>	<b>0 - 1/8 SE</b>	<b>C7</b>	<b>13</b>
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.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
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 identifies 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.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
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:

<u>Site Name</u>	<u>Database(s)</u>
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

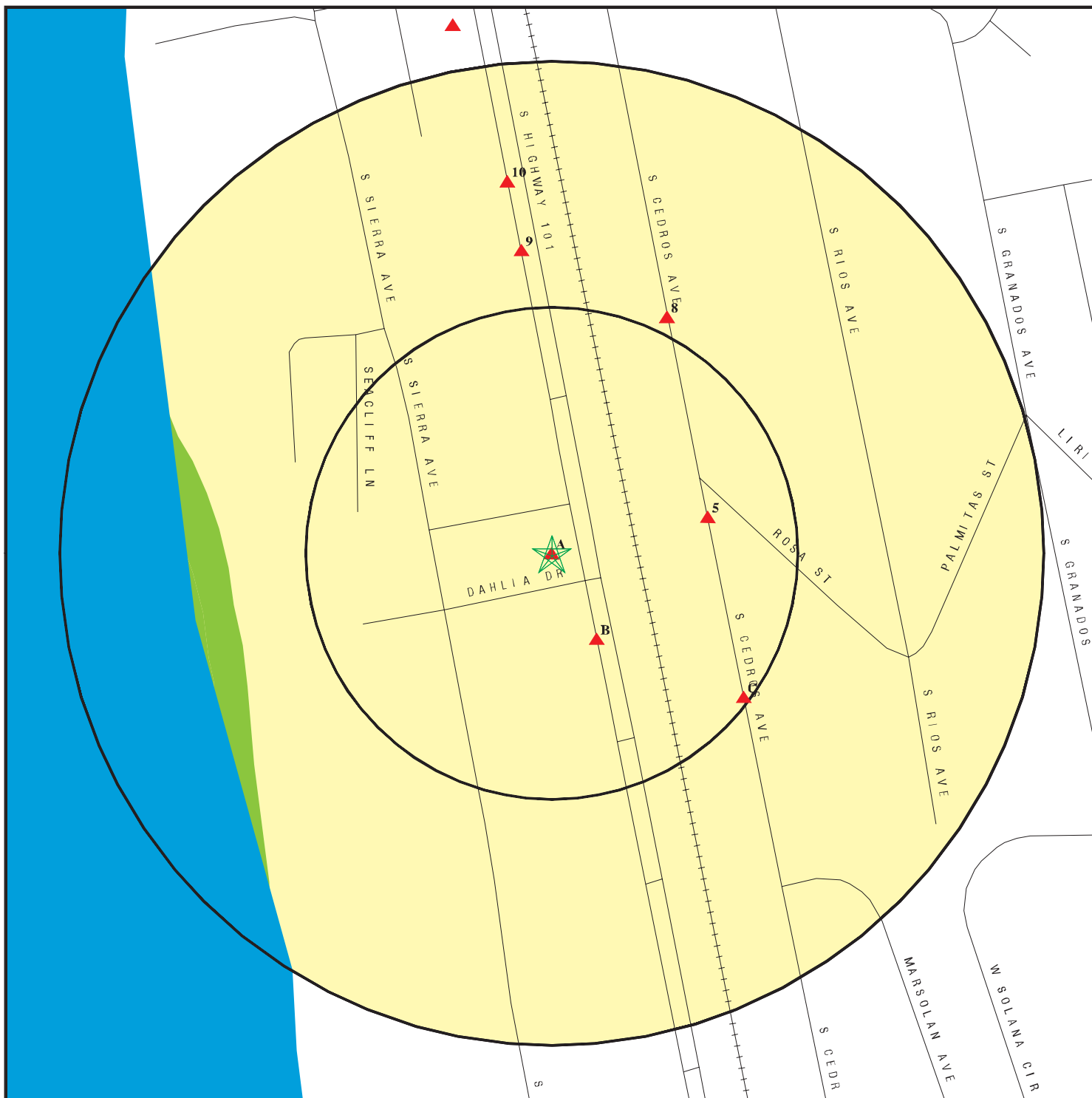


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Comerica - Maganda Corporation  
 ADDRESS: 329 South Highway 101  
 Solana Beach CA 92075  
 LAT/LONG: 32.9876 / 117.2710

CLIENT: Terracon  
 CONTACT: Brad Dales  
 INQUIRY #: 1750156.2s  
 DATE: September 07, 2006 7:27 am

# DETAIL 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
- 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  
 ADDRESS: 329 South Highway 101  
 Solana Beach CA 92075  
 LAT/LONG: 32.9876 / 117.2710

CLIENT: Terracon  
 CONTACT: Brad Dales  
 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
<b><u>FEDERAL RECORDS</u></b>								
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
<b><u>STATE AND LOCAL RECORDS</u></b>								
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
<b><u>TRIBAL RECORDS</u></b>								
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
<b><u>EDR PROPRIETARY RECORDS</u></b>								
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

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A1** DR. MILTON AND UNE ULLMAN  
**Target** 343 HWY 101 S  
**Property** SOLANA BEACH, CA 92075

**LUST** S102428948  
N/A

**Actual:**  
72 ft.

**Site 1 of 2 in cluster A**

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 Disp: 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  
**Target** 343 HIGHWAY 101  
**Property** SOLANA BEACH, CA 92075

**SWEEPS UST** S106928013  
N/A

**Actual:**  
72 ft.

**Site 2 of 2 in cluster A**

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

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**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

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**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**  
**SSE** **437 S HIGHWAY 101**  
**< 1/8** **SOLANA BEACH, CA 92075**  
**259 ft.**

**SWEEPS UST** **S106931483**  
**N/A**

**Site 1 of 2 in cluster B**

**Relative:**  
**Higher**

**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

**Actual:**  
**74 ft.**

**B4** **SOLANA BEACH PROP & S JACOBY**  
**SSE** **437 S HIGHWAY 101**  
**< 1/8** **SOLANA BEACH, CA 92075**  
**259 ft.**

**SWEEPS UST** **S106932348**  
**N/A**

**Site 2 of 2 in cluster B**

**Relative:**  
**Higher**

**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

**Actual:**  
**74 ft.**

Status : Not reported  
 Comp Number : 26485  
 Number : Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**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**  
**ENE**  
**< 1/8**  
**431 ft.**

**CBS SCIENTIFIC COMPANY INC.**  
**420 S CEDROS AV**  
**SOLANA BEACH, CA 92075**

**LUST S100727864**  
**San Diego Co. HMMD N/A**

**Relative:**  
**Higher**

State LUST:  
 Cross Street: Not reported  
 Qty Leaked: Not reported  
 Case Number: Not reported  
 Reg Board: San Diego Region  
 Chemical: 0

**Actual:**  
**82 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**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

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**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  
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  
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

**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  
Quantity Stored At One Time: Not reported  
Annual Quantity String: Not reported  
1st Hazard Category: FIRE  
2nd Hazard Category: PRESSURE R  
Annual Qty String: Not reported

Chemical Name: NAPTHA  
Case Number: 8030-31-7  
Item Number: NA61  
Stored at 1 Time: Not reported  
Measurement Units: Not reported  
Carcinogen: No  
Quantity Stored At One Time: Not reported  
Annual Quantity String: Not reported  
1st Hazard Category: FIRE  
2nd Hazard Category: ACUTE  
Annual Qty String: Not reported

Chemical Name: OXYGEN  
Case Number: 7782-44-7  
Item Number: OX63  
Stored at 1 Time: Not reported  
Measurement Units: Not reported  
Carcinogen: No  
Quantity Stored At One Time: Not reported  
Annual Quantity String: Not reported  
1st Hazard Category: PRESSURE RELEASE  
2nd Hazard Category: Not reported  
Annual Qty String: Not reported

Chemical Name: POLYMERIC DIPHENYLMETHANE DIISOCYANATE: INSTAFILL PART A  
Case Number: 9016-87-9  
Item Number: PO62  
Stored at 1 Time: Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**CBS SCIENTIFIC COMPANY INC. (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

**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  
 Capacity (Gal): Not reported  
 Waste or Product: Not reported  
 Tank ID Number: Not reported  
 Tank Exempt: Not reported  
 Tank Contents: Not reported

**HMMD WASTE STREAMS:**

Inspection Date: Not reported  
 Waste Code: Not reported  
 Qty at Inspection: Not reported  
 Measurement Unit: Not reported  
 Treatment Method: Not reported  
 Waste Description: Not reported  
 Carcinogen: No  
 Carcinogen: No  
 Quantity String: Not reported  
 Waste Item #: Not reported  
 Waste Name: Not reported  
 Annual Quantity: Not reported  
 Storage Method: Not reported  
 Haz Waste Hauler: Not reported  
 Annual Qty String: Not reported

**HMMD VIOLATIONS:**

Inspection Date: 07/14/98  
 Waste Code: Not reported  
 Type of Violation: 6HV1097  
 Violation Description: HMBP: NO EMPLOYEE TRAINING PROGRAM  
 Occurrences: Not reported

Inspection Date: 04/03/00  
 Waste Code: Not reported  
 Type of Violation: 6HV0401  
 Violation Description: TRAINING RECORDS UNAVAILABLE  
 Occurrences: Not reported

Inspection Date: 01/16/02  
 Waste Code: Not reported  
 Type of Violation: 6HV0402  
 Violation Description: TRAINING PROGRAM NOT ADEQUATE  
 Occurrences: Not reported

[Click this hyperlink](#) while viewing on your computer to access additional CA HMMD detail in the EDR Site Report.

**C6  
 SE  
 < 1/8  
 644 ft.**

**MCKENNA RF  
 507 S CEDROS AVE  
 SOLANA BEACH, CA 92075**

**SWEEPS UST S106929275  
 N/A**

**Relative:  
 Higher**

**Site 1 of 2 in cluster C**

**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

**Actual:  
 88 ft.**



Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**MCKENNA RF (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

Capacity : 550  
 Tank Use : M.V. FUEL  
 Stg : P  
 Content : REG UNLEADED  
 Number Of Tanks : 1

**S106929275**

**C7  
 SE  
 < 1/8  
 651 ft.**

**COAST PLUMBING  
 509 S CEDROS AVE  
 SOLANA BEACH, CA 92075**

**HIST UST U001572306  
 SWEEPS UST N/A**

**Site 2 of 2 in cluster C**

**Relative:  
 Higher**

**UST HIST:**

**Actual:  
 88 ft.**

Facility ID: 4382  
 Total Tanks: 1  
 Owner Address: 509 SO. CEDRUS AVE  
 SOLANA BEACH, CA 92075  
 Tank Used for: PRODUCT  
 Tank Num: 1  
 Tank Capacity: 00000000  
 Type of Fuel: UNLEADED  
 Leak Detection: None  
 Contact Name: Not reported  
 Facility Type: Other

Owner Name: COAST PLUMBING  
 Region: STATE

Container Num: 1  
 Year Installed: 1978  
 Tank Construction: 1/4" inches

Telephone: (619) 436-4567  
 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  
 NNE  
 1/8-1/4  
 706 ft.**

**CA FURNITURE COLLECTIONS INC  
 307 SOUTH CEDROS  
 SOLANA BEACH, CA 92075**

**RCRA-SQG 1000231090  
 FINDS CAD982497943  
 HAZNET**

**Relative:  
 Higher**

**Actual:  
 80 ft.**

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**CA FURNITURE COLLECTIONS INC (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

**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**  
**North**  
**1/8-1/4**  
**817 ft.**

**E Z EQUIPMENT RENTAL CENTERS**  
**235 S HIGHWAY 101**  
**SOLANA BEACH, CA 92075**

**SWEEPS UST S106925593**  
**N/A**

**Relative:**  
**Equal**

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

**Actual:**  
**71 ft.**

Status : Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**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**  
**North**  
**1/8-1/4**  
**1005 ft.**

**BILLS CAB**  
**201 S HIGHWAY 101**  
**SOLANA BEACH, CA 92075**

**SWEEPS UST** **S106923355**  
**N/A**

**Relative:**  
**Equal**

**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

**Actual:**  
**71 ft.**

Status : Not reported  
Comp Number : 10462  
Number : Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**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**  
North 155 HWY 101 S  
1/4-1/2 SOLANA BEACH, CA 92075  
1442 ft.

LUST S101302266  
Cortese N/A

Relative:  
Equal

Actual:  
71 ft.

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**HANG-UP SQUARE (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

**S101302266**

LUST Region 9:

Case Number:	9UT2666	Release Date:	01/27/1994
Local Agency:	37000	Qty Leaked:	Not reported
Substance:	12035	How Found:	Tank Closure
Date Found:	10/26/1993	How Stopped:	Other Means
Date Stopped:	10/26/1993	Cause:	Corrosion
Source:	Tank		
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  
 North  
 1/4-1/2  
 1559 ft.

**CULLIGAN WATER CONDITIONING**  
 111 S CEDROS AVE  
 SOLANA BEACH, CA 92075

LUST U001572307  
 UST N/A  
 San Diego Co. HMMD  
 HIST UST  
 SWEEPS UST

Site 1 of 3 in cluster D

Relative:  
 Equal

State LUST:

Actual:  
 71 ft.

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		
<b>Status:</b>	<b>Leak being confirmed</b>		
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		

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**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 Party:Not 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

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**CULLIGAN WATER CONDITIONING (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**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  
Quantity Stored At One Time: Not reported  
Annual Quantity String: Not reported  
1st Hazard Category: Not reported  
2nd Hazard Category: Not reported  
Annual Qty String: 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 Code: Not reported  
Qty at Inspection: Not reported  
Measurement Unit: Not reported  
Treatment Method: Not reported  
Waste Description: Not reported  
Carcinogen: No  
Carcinogen: No  
Quantity String: Not reported  
Waste Item #: Not reported  
Waste Name: Not reported  
Annual Quantity: Not reported  
Storage Method: Not reported  
Haz Waste Hauler: Not reported  
Annual Qty String: Not reported

**HMMD VIOLATIONS:**

Inspection Date: Not reported  
Waste Code: Not reported  
Type of Violation: Not reported  
Occurrences: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

**CULLIGAN WATER CONDITIONING (Continued)**

**U001572307**

Violation Description:

[Click this hyperlink](#) while viewing on your computer to access additional CA HMMMD 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



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**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

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**CULLIGAN WATER CONDITIONING (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

Capacity : 12000  
 Tank Use : PETROLEUM  
 Stg : WASTE  
 Content : Not reported  
 Number Of Tanks : Not reported

**U001572307**

**13**  
**North**  
**1/4-1/2**  
**1564 ft.**

**UNOCAL SERVICE STATION #7494**  
**101 HWY 101 S**  
**SOLANA BEACH, CA 92075**

**HAZNET S101302265**  
**LUST N/A**

**Relative:**  
**Equal**

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

**Actual:**  
**71 ft.**

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 Disp: 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

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**D14**  
**North**  
**1/4-1/2**  
**1630 ft.**

**SOLANA BEACH TRANSIT CENTER**  
**105 CEDROS AVE N**  
**SOLANA BEACH, CA 92075**

**LUST**  
**Cortese**    **S102437719**  
                   **N/A**

**Site 2 of 3 in cluster D**

**Relative:**  
**Equal**

LUST Region 9:

**Actual:**  
**71 ft.**

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.**

**NCTD-SOLANA BEACH STATION**  
**105 N CEDROS AV**  
**SOLANA BEACH, CA 92069**

**LUST**  
**San Diego Co. HMMD**    **S103547172**  
                                   **N/A**

**Site 3 of 3 in cluster D**

**Relative:**  
**Equal**

State LUST:

**Actual:**  
**71 ft.**

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		
<b>Status:</b>	<b>Case Closed</b>		
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		

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

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  
SIC: Not reported  
Owner: Not reported  
Mailing Address: Not reported  
Corporate Code: Not reported  
Census Tract #: 173  
Inspection Date: Not reported  
Inspector Name: Not reported  
Facility Contact: Not reported  
Property Owner: NORTH SAN DIEGO COUNTY TRANSIT  
PO Address: 00000  
Tank Owner: Not reported  
TO Address: Not reported  
Last Update: 05/10/05  
Last Delinquent Letter: Not reported  
Business Code: Not reported  
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 :

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**NCTD-SOLANA BEACH STATION (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

**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  
 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
Qty 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**

**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

**Actual:  
 78 ft.**

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**SOLANA BEACH PLAZA (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

**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**  
**North**  
**1/4-1/2**  
**1745 ft.**

**CEDROS & LOMA SANTA FE**  
**143 CEDROS**  
**SOLANA BEACH, CA 92075**

**Notify 65 S100178317**  
**N/A**

**Site 1 of 2 in cluster E**

**Relative:**  
**Equal**

**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

**Actual:**  
**71 ft.**

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**E18**  
**North**  
**1/4-1/2**  
**1814 ft.**

**BILL SMITH FOREIGN CAR**  
**136 N CEDROS AVE**  
**SOLANA BEACH, CA 92075**

**RCRA-SQG**  
**FINDS**  
**HAZNET**  
**LUST**  
**Cortese**  
**San Diego Co. HMM**

**1000275028**  
**CAD981370489**

**Relative:**  
**Higher**

**Site 2 of 2 in cluster E**

**Actual:**  
**72 ft.**

**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:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
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

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**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



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EPA ID Number  
EDR ID Number

**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  
Workplan: Not reported  
Pollution Char: 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  
Mtb Fuel: 0  
Water System Name: Not reported

Confirm Leak: Not reported  
Prelim Assess: Not reported  
Remed Plan: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**BILL SMITH FOREIGN CAR (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

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

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**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 Annual Qty String: 60  
 Carcinogen: No  
 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 Annual Qty String: 1500  
 Carcinogen: No  
 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 Annual Qty String: 300  
 Carcinogen: No  
 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 Annual Qty String: 960  
 Carcinogen: No  
 Quantity String: 80

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**BILL SMITH FOREIGN CAR (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

**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
<b>HMMD VIOLATIONS:</b>	
Inspection Date: 03/03/99 Waste Code: Not reported Type of Violation: 6HV0401 Violation Description:	Occurrences: Not reported TRAINING RECORDS UNAVAILABLE
Inspection Date: 03/03/99 Waste Code: Not reported Type of Violation: 6HV1002 Violation Description:	Occurrences: Not reported HMBP NOT ESTABISHED/IMPLEMENTED.
Inspection Date: 02/05/02 Waste Code: Not reported Type of Violation: 6HV0202 Violation Description:	Occurrences: Not reported WASTE CONTAINER W/O LABELS
Inspection Date: 02/05/02 Waste Code: Not reported Type of Violation: 6HV0201 Violation Description:	Occurrences: Not reported WASTE CONTAINER NOT CLOSED
Inspection Date: 07/02/03 Waste Code: Not reported Type of Violation: 6HV0201 Violation Description:	Occurrences: Not reported WASTE CONTAINER NOT CLOSED
Inspection Date: 07/02/03 Waste Code: Not reported Type of Violation: 6HV0402 Violation Description:	Occurrences: Not reported TRAINING PROGRAM NOT ADEQUATE
Inspection Date: 01/04/05 Waste Code: Not reported Type of Violation: 6HV0201 Violation Description:	Occurrences: Not reported WASTE CONTAINER NOT CLOSED
Inspection Date: 01/04/05 Waste Code: Not reported Type of Violation: 6HV0202 Violation Description:	Occurrences: Not reported WASTE CONTAINER W/O LABELS
Inspection Date: 01/04/05 Waste Code: Not reported Type of Violation: 6HV1601 Violation Description:	Occurrences: Not reported HAZWASTE TANKS W/O P.E. ASSESSMENT

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**BILL SMITH FOREIGN CAR (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

**1000275028**

[Click this hyperlink](#) while viewing on your computer to access additional CA HMMMD 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**

LUST Region 9:

**Actual:**  
**65 ft.**

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	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 17	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	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 17	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	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 17	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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/21/2006
Number of Days to Update: 56	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	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 703-413-0223
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 62	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	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/23/2006
Number of Days to Update: 23	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	Source: EPA
Date Data Arrived at EDR: 03/17/2006	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 09/05/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: Quarterly

## **RCRA:** Resource Conservation and Recovery Act Information



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: EPA
Date Data Arrived at EDR: 06/28/2006	Telephone: 800-424-9346
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 08/22/2006
Number of Days to Update: 56	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	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/2006	Telephone: 202-260-2342
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 07/25/2006
Number of Days to Update: 40	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	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 07/19/2006	Telephone: 202-366-4555
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 07/19/2006
Number of Days to Update: 35	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 56	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 56	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	Source: USGS
Date Data Arrived at EDR: 02/08/2005	Telephone: 703-692-8801
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 08/11/2006
Number of Days to Update: 177	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	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 01/19/2006	Telephone: 202-528-4285
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 33	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/13/2006	Telephone: 202-566-2777
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 06/12/2006
Number of Days to Update: 55	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	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/2005	Telephone: Varies
Date Made Active in Reports: 04/25/2005	Last EDR Contact: 07/24/2006
Number of Days to Update: 69	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	Source: EPA
Date Data Arrived at EDR: 07/21/2006	Telephone: 703-416-0223
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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	Source: Department of Energy
Date Data Arrived at EDR: 11/28/2005	Telephone: 505-845-0011
Date Made Active in Reports: 01/30/2006	Last EDR Contact: 09/05/2006
Number of Days to Update: 63	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	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	Source: EPA
Date Data Arrived at EDR: 07/21/2006	Telephone: 202-564-6064
Date Made Active in Reports: 08/22/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 32	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	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 202-566-0250
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 62	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	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 46	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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 07/18/2006	Telephone: 202-566-1667
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 50	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **FTTS INSP:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 07/14/2006	Source: EPA
Date Data Arrived at EDR: 07/18/2006	Telephone: 202-566-1667
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 50	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	Source: EPA
Date Data Arrived at EDR: 05/11/2006	Telephone: 202-564-4203
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 11	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/21/2006	Telephone: 202-564-5088
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 20	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	Source: EPA
Date Data Arrived at EDR: 08/09/2006	Telephone: 202-566-0500
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 08/09/2006
Number of Days to Update: 28	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	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/20/2006	Telephone: 301-415-7169
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 48	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	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 06/28/2006	Telephone: 303-231-5959
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**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	Source: EPA
Date Data Arrived at EDR: 07/25/2006	Telephone: N/A
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 04/03/2006
Number of Days to Update: 43	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	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 09/05/2006
Number of Days to Update: 35	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	Source: EPA/NTIS
Date Data Arrived at EDR: 06/17/2005	Telephone: 800-424-9346
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 07/21/2006
Number of Days to Update: 48	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	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 08/28/2006
Number of Days to Update: 21	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	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/07/2006	Telephone: 916-323-3400
Date Made Active in Reports: 07/06/2006	Last EDR Contact: 08/30/2006
Number of Days to Update: 29	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 07/31/2006
Number of Days to Update: 27	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 inventory of solid waste disposal facilities or landfills. These may be active or inactive 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	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 06/14/2006	Telephone: 916-341-6320
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 06/14/2006
Number of Days to Update: 43	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/22/2006	Telephone: 916-341-5227
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 35	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 09/05/2006
Number of Days to Update: 30	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LUST REG 7: Leaking Underground Storage Tank Case Listing

Date of Government Version: 02/26/2004	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-346-7491
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/21/2006
Number of Days to Update: 27	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	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 916-542-5424
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/05/2006
Number of Days to Update: 27	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	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6600
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 06/26/2006
Number of Days to Update: 35	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	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-576-2220
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/21/2006
Number of Days to Update: 29	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	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 07/10/2006
Number of Days to Update: 30	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	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-549-3147
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 08/15/2006
Number of Days to Update: 14	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	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/12/2006	Telephone: 916-341-5752
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 07/12/2006
Number of Days to Update: 15	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	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 08/21/2006
Number of Days to Update: 18	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	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 07/10/2006
Number of Days to Update: 30	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	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/18/2006	Telephone: 805-549-3147
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 08/15/2006
Number of Days to Update: 28	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	Source: Region Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 11/18/2004	Telephone: 213-576-6600
Date Made Active in Reports: 01/04/2005	Last EDR Contact: 07/24/2006
Number of Days to Update: 47	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	Source: Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 04/05/2005	Telephone: 916-464-3291
Date Made Active in Reports: 04/21/2005	Last EDR Contact: 07/06/2006
Number of Days to Update: 16	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	Source: Regional Water Quality Control Board, Victorville Branch
Date Data Arrived at EDR: 05/25/2005	Telephone: 619-241-6583
Date Made Active in Reports: 06/16/2005	Last EDR Contact: 07/03/2006
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	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	Source: Office of Emergency Services
Date Data Arrived at EDR: 11/30/2005	Telephone: 916-845-8400
Date Made Active in Reports: 01/19/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 50	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/01/1993	Telephone: 916-445-3846
Date Made Active in Reports: 11/19/1993	Last EDR Contact: 07/17/2006
Number of Days to Update: 18	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	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 07/06/2006	Telephone: 916-323-3400
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 21	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	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/07/2006	Telephone: 916-323-3400
Date Made Active in Reports: 07/06/2006	Last EDR Contact: 08/30/2006
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/27/2006
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **ENVIROSTOR:** EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies 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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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	Source: EPA Region 6
Date Data Arrived at EDR: 01/21/2005	Telephone: 214-665-6597
Date Made Active in Reports: 02/28/2005	Last EDR Contact: 08/21/2006
Number of Days to Update: 38	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	Source: EPA Region 8
Date Data Arrived at EDR: 06/09/2006	Telephone: 303-312-6137
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	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	Source: EPA Region 5
Date Data Arrived at EDR: 12/29/2004	Telephone: 312-886-6136
Date Made Active in Reports: 02/04/2005	Last EDR Contact: 08/21/2006
Number of Days to Update: 37	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	Source: EPA Region 10
Date Data Arrived at EDR: 06/09/2006	Telephone: 206-553-2857
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	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	Source: EPA, Region 1
Date Data Arrived at EDR: 06/09/2006	Telephone: 617-918-1313
Date Made Active in Reports: 06/30/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 21	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	Source: EPA Region 6
Date Data Arrived at EDR: 07/03/2006	Telephone: 214-665-7591
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 65	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	Source: EPA Region 9
Date Data Arrived at EDR: 06/23/2006	Telephone: 415-972-3368
Date Made Active in Reports: 08/02/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 40	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Closed and Operating Underground Storage Tank Sites

Date of Government Version: 06/28/2006	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 06/29/2006	Telephone: 707-253-4269
Date Made Active in Reports: 07/26/2006	Last EDR Contact: 06/26/2006
Number of Days to Update: 27	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	Source: Health Care Agency
Date Data Arrived at EDR: 06/21/2006	Telephone: 714-834-3446
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 09/06/2006
Number of Days to Update: 36	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	Source: Health Care Agency
Date Data Arrived at EDR: 06/19/2006	Telephone: 714-834-3446
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 09/06/2006
Number of Days to Update: 38	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	Source: Health Care Agency
Date Data Arrived at EDR: 06/19/2006	Telephone: 714-834-3446
Date Made Active in Reports: 07/26/2006	Last EDR Contact: 09/06/2006
Number of Days to Update: 37	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	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 04/04/2006	Telephone: 530-889-7312
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 08/14/2006
Number of Days to Update: 9	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	Source: Department of Public Health
Date Data Arrived at EDR: 08/08/2006	Telephone: 951-358-5055
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 16	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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 Oversight 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:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Underground Storage Tanks

Date of Government Version: 12/31/0005	Source: Sutter County Department of Agriculture
Date Data Arrived at EDR: 01/05/2006	Telephone: 530-822-7500
Date Made Active in Reports: 01/31/2006	Last EDR Contact: 07/31/2006
Number of Days to Update: 26	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	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 06/28/2006	Telephone: 805-654-2813
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 06/14/2006
Number of Days to Update: 29	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	Source: Environmental Health Division
Date Data Arrived at EDR: 09/20/2005	Telephone: 805-654-2813
Date Made Active in Reports: 10/06/2005	Last EDR Contact: 08/25/2006
Number of Days to Update: 16	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	Source: Environmental Health Division
Date Data Arrived at EDR: 07/10/2006	Telephone: 805-654-2813
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 06/30/2006
Number of Days to Update: 17	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	Source: Environmental Health Division
Date Data Arrived at EDR: 07/27/2006	Telephone: 805-654-2813
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 04/11/2006
Number of Days to Update: 28	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	Source: Yolo County Department of Health
Date Data Arrived at EDR: 08/01/2006	Telephone: 530-666-8646
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 23	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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 02/17/2006	Telephone: 860-424-3375
Date Made Active in Reports: 04/07/2006	Last EDR Contact: 06/14/2006
Number of Days to Update: 49	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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/06/2006	Telephone: N/A
Date Made Active in Reports: 08/01/2006	Last EDR Contact: 07/05/2006
Number of Days to Update: 26	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	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/31/2006	Telephone: 518-402-8651
Date Made Active in Reports: 06/27/2006	Last EDR Contact: 08/30/2006
Number of Days to Update: 27	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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 05/04/2006	Telephone: N/A
Date Made Active in Reports: 06/06/2006	Last EDR Contact: 06/12/2006
Number of Days to Update: 33	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	Source: Department of Environmental Management
Date Data Arrived at EDR: 05/09/2006	Telephone: 401-222-2797
Date Made Active in Reports: 05/24/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 15	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	Source: Department of Natural Resources
Date Data Arrived at EDR: 03/17/2006	Telephone: N/A
Date Made Active in Reports: 05/02/2006	Last EDR Contact: 07/25/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/09/2006
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**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

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## 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).

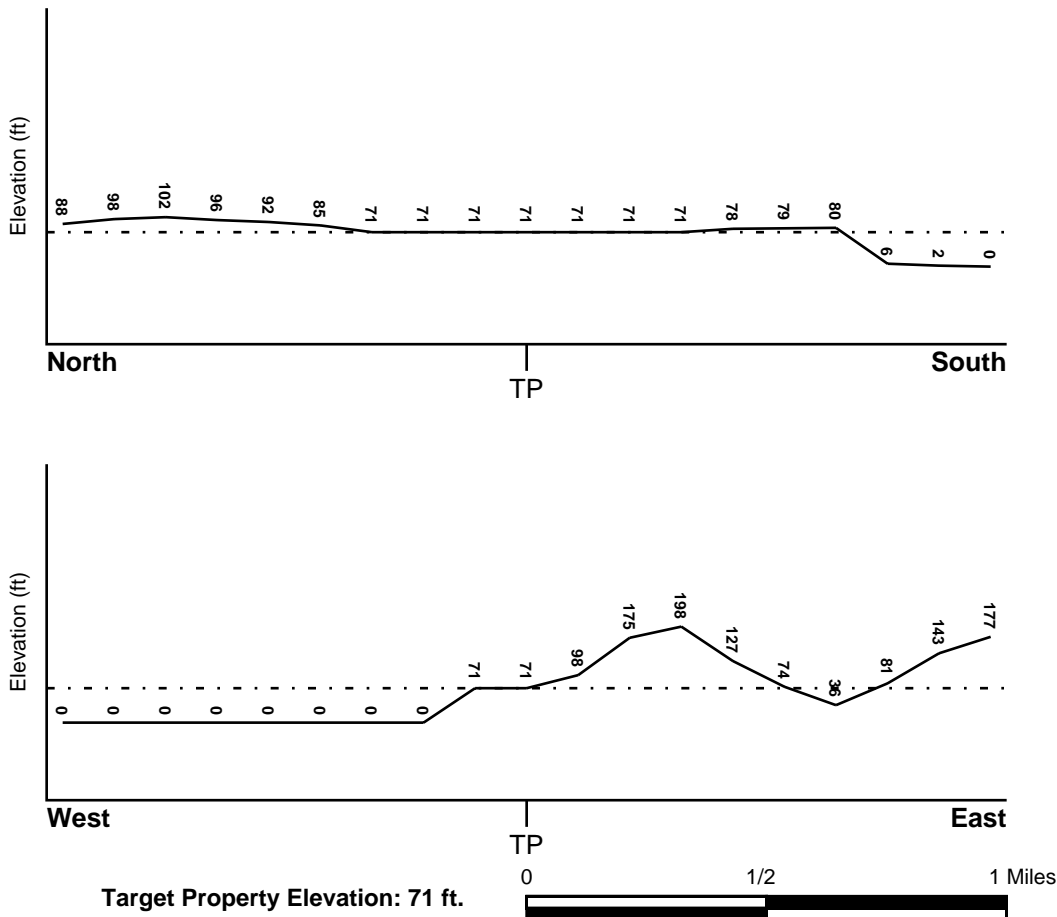
## TOPOGRAPHIC INFORMATION

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



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

<u>Target Property County</u>	<u>FEMA Flood Electronic Data</u>
SAN DIEGO, CA	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

## NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
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: Stratified 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							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CA3702215	1/8 - 1/4 Mile North

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
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
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Comerica - Maganda Corporation ADDRESS: 329 South Highway 101 Solana Beach CA 92075 LAT/LONG: 32.9876 / 117.2710	CLIENT: Terracon CONTACT: Brad Dales INQUIRY #: 1750156.2s DATE: September 07, 2006 7:28 am
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# 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      **AQUIFLOW**      **38823**  
Groundwater Flow: WNW  
Shallow Water Depth: Not Reported  
Deep Water Depth: Not Reported  
Average Water Depth: 30  
Date: 04/03/1995

**A3**  
**North**  
**1/4 - 1/2 Mile**  
**Higher**      Site ID: Not Reported      **AQUIFLOW**      **37965**  
Groundwater Flow: W  
Shallow Water Depth: Not Reported  
Deep Water Depth: Not Reported  
Average Water Depth: 40  
Date: 11/02/1994

**4**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**      Site ID: Not Reported      **AQUIFLOW**      **38804**  
Groundwater Flow: SW  
Shallow Water Depth: Not Reported  
Deep Water Depth: Not Reported  
Average Water Depth: 9  
Date: 01/16/1991

# 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.

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### 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<sup>R</sup> 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

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## **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 1/2-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

<i>Term/Acronym</i>	<i>Description</i>
ACM	<p>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).</p> <p>Regulatory agencies have generally defined ACM as a material containing greater than 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.</p> <p>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.</p>
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 Clean 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).

<b>Term/Acronym</b>	<b>Description</b>
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.



<b>Term/Acronym</b>	<b>Description</b>
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 <i>de minimis</i> 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	<p>Areas that are typically saturated with surface or groundwater that create an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The <u>Corps of Engineers Wetlands Delineation Manual</u> (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.</p> <p>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.</p>

<b>California Term/Acronym</b>	<b>Description</b>
<b>AST</b>	Aboveground Petroleum Storage Tank Facilities
<b>AWP</b>	Annual Workplan Sites
<b>CAL/EPA</b>	California Environmental Protection Agency
<b>CA BOND EXP. PLAN</b>	Bond Expenditure Plan
<b>CA FID UST</b>	Facility inventory database of active and inactive UST locations
<b>Cal-Sites</b>	Calsites Database
<b>CA SLIC</b>	Spills, Leaks, Investigation and Cleanup Cost Recovery Listing
<b>CA WDS</b>	Waste Discharge System
<b>CHMIRS</b>	California Hazardous Material Incident Report System
<b>CLEANERS</b>	Cleaner Facilities
<b>Cortese</b>	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.
<b>DEED</b>	List of Deed Restrictions
<b>DTSC</b>	Department of Toxic Substances Control
<b>INDIAN UST</b>	UST on Indian Land
<b>INDIAN LUST</b>	Leaking UST on Indian Land
<b>LUST</b>	Leaking Underground Storage Tank Incident Reports
<b>Notify 65</b>	Proposition 65 Records
<b>NFA</b>	No Further Action Determination
<b>SCH</b>	School Property Evaluation Program
<b>SWF/LF</b>	Solid Waste Information System
<b>SWRCB</b>	California State Water Resources Control Board
<b>Toxic Pits</b>	Toxic Pits Cleanup Act Sites
<b>VCP</b>	Voluntary Cleanup Program
<b>WMUDS/SWAT</b>	Waste Management Unit Database/Solid Waste Assessment Test

## **APPENDIX F**

### **Analytical Results**

# LA Testing

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Attn: **A. Wightman**  
**Terracon**  
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**Costa Mesa, CA 92626**

Customer ID: 32TERR45  
Customer PO:  
Received: 09/11/06 6:20 PM  
LA Testing Order: 330605470

Fax: (714) 444-2110 Phone: (714) 444-2322  
Project: **60068136**

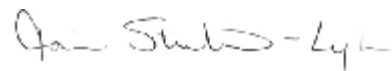
LA Testing Proj:  
Analysis Date: 9/14/2006  
Report Date: 9/15/2006

## Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% 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 Insufficient mastic.	60% Non-fibrous (other)	None Detected
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

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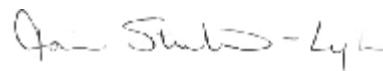
LA Testing Proj:  
Analysis Date: 9/14/2006  
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## Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% 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/Variou 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/Variou 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

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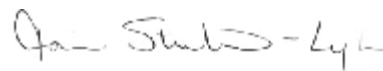
LA Testing Proj:  
Analysis Date: 9/14/2006  
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## Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% 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)



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or other approved signatory

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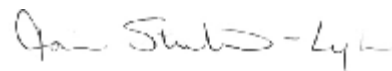
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## Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% 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% Hair 80% 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)



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or other approved signatory

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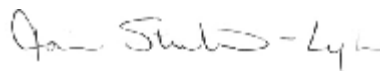
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Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
8136-03-02 Sheet Vinyl 3 330605470-0045	12x12 vinyl floor tile with multiple layer kitchen	Cream Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
8136-03-02 Felt 330605470-0046	12x12 vinyl floor tile with multiple layer kitchen	Black Fibrous Heterogeneous	2% Hair 80% 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

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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](mailto:losalamitoslab@latesting.com)

Attn: **A. Wightman**  
**Terracon**  
**3189-F Airway Avenue**  
**Costa Mesa, CA 92626**

Customer ID: 32TERR45  
Customer PO:  
Received: 09/11/06 6:20 PM  
LA Testing Order: 330605470

Fax: (714) 444-2110 Phone: (714) 444-2322  
Project: **60068136**

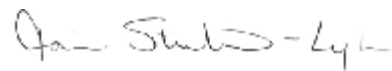
LA Testing Proj:  
Analysis Date: 9/14/2006  
Report Date: 9/15/2006

## Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% 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

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Fax: (714) 444-2110 Phone: (714) 444-2322  
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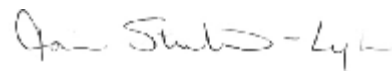
LA Testing Proj:  
Analysis Date: 9/14/2006  
Report Date: 9/15/2006

## Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% 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)



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or other approved signatory

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Received: 09/11/06 6:20 PM  
LA Testing Order: 330605470

Fax: (714) 444-2110 Phone: (714) 444-2322  
Project: **60068136**

LA Testing Proj:  
Analysis Date: 9/14/2006  
Report Date: 9/15/2006

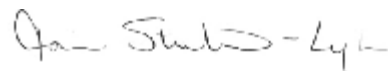
## Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% 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

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NVLAP Lab Code # 101384-0, Cal ELAP # 1406



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: A. Wightman

Telephone #: 714-444-2322 Name: \_\_\_\_\_

Project Name/Number: 60068136 Fax #: 714-444-2110

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 Characterization
- 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: 13:20

Received: Armin Gudley DB. Date: 9/11/06 Time: 6:20pm

Relinquished: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_



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: \_\_\_\_\_