

Appendix F

Phase I Environmental Assessment





Property Solutions INC.

Environmental & Engineering Consulting

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PHASE I ENVIRONMENTAL ASSESSMENT

of

Heritage Ridge Development
Northeast side of Los Carneros Road and Calle Koral
Goleta, Santa Barbara County, California 93117

Prepared for:

The Towbes Group, Inc.
21 East Victoria Street, Suite 200
Santa Barbara, California 93101

Prepared by:

Property Solutions Incorporated
2601 Main Street, Suite 370
Irvine, California 92614

Revised Draft: September 22, 2014
Final: September 25, 2014

Property Solutions Project No. 20143233



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Dated: September 25, 2014

Property Solutions Project No. 20143233

Marc Hachey, PG, CEG
Environmental Scientist

Michael Bernstein
Technical Manager

Tim Clackett
Regional Director

We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental professional* as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Marc Hachey, PG, CEG
Environmental Scientist



Michael Bernstein
Technical Manager

20143233

TABLE OF CONTENTS

SECTION	PAGE
PROJECT SUMMARY	
EXECUTIVE SUMMARY	
1.0 INTRODUCTION	1
1.1 PURPOSE	1
1.2 SCOPE OF WORK	2
1.3 SIGNIFICANT ASSUMPTIONS	3
1.4 LIMITATIONS AND EXCEPTIONS OF THE ASSESSMENT	4
1.5 SPECIAL TERMS AND CONDITIONS	5
1.6 RELIANCE	5
1.7 DATA GAPS.....	5
2.0 GENERAL PROPERTY INFORMATION	6
2.1 PROPERTY LOCATION	6
2.2 PROPERTY DESCRIPTION	6
2.3 PROPERTY OPERATIONS.....	7
2.4 UTILITIES	7
3.0 USER PROVIDED INFORMATION AND RESPONSIBILITIES	7
4.0 PHYSICAL SETTINGS	11
4.1 TOPOGRAPHY/REGIONAL DRAINAGE	11
4.2 SOILS	12
4.3 UNDERLYING FORMATION	12
4.4 GROUNDWATER	12
5.0 NEIGHBORING PROPERTIES	12
6.0 HISTORICAL PROPERTY INFORMATION	13
6.1 CITY DIRECTORIES.....	14
6.2 AERIAL PHOTOGRAPHS	14
6.3 FIRE INSURANCE MAPS.....	17
6.4 TOPOGRAPHIC QUADRANGLE MAP	17
6.5 PRIOR USE INTERVIEWS.....	18
6.6 PREVIOUS REPORTS AND PLANS	18
6.7 CHAIN OF TITLE INFORMATION.....	23
6.8 ACTIVITY AND USE LIMITATIONS/ENVIRONMENTAL LIENS.....	23
6.9 OTHER HISTORICAL SOURCES.....	23
6.10 HISTORICAL USE DATA FAILURE	23
7.0 INTERVIEWS	25

20143233

8.0	ENVIRONMENTAL RECORD SEARCH.....	26
8.1	PROPERTY-SPECIFIC RECORDS.....	26
8.1.1	DEPARTMENT OF HEALTH.....	26
8.1.2	FIRE DEPARTMENT.....	27
8.1.3	PLANNING/ZONING DEPARTMENT	27
8.1.4	BUILDING DEPARTMENT/INSPECTION DEPARTMENT	27
8.1.5	TAX ASSESSOR/TAX DEPARTMENT.....	28
8.1.6	ELECTRIC UTILITY	28
8.1.7	SEWER DEPARTMENT/PROVIDER	28
8.1.8	WATER DEPARTMENT/SUPPLIER.....	28
8.1.9	OTHERS.....	29
8.1.10	STATE ENVIRONMENTAL AGENCY.....	29
8.1.11	STATE ONLINE DATABASE INFORMATION/GIS.....	30
8.1.12	USEPA ENVIROFACTS.....	30
8.2	ENVIRONMENTAL DATABASE INFORMATION	31
8.3	LOCAL LISTS.....	33
8.4	DATABASE PROPRIETARY LISTS	33
9.0	PROPERTY VISIT.....	34
9.1	ASTM SCOPE CONSIDERATIONS	34
9.1.1	UNDERGROUND STORAGE TANKS.....	34
9.1.2	ABOVEGROUND STORAGE TANKS.....	34
9.1.3	POLYCHLORINATED BIPHENYL-CONTAINING ELECTRICAL EQUIPMENT	35
9.1.4	HYDRAULIC EQUIPMENT.....	35
9.1.5	CHEMICAL, HAZARDOUS MATERIALS, AND RAW MATERIALS STORAGE AND USAGE	35
9.1.6	WASTE GENERATION, STORAGE, AND DISPOSAL	35
9.1.7	WELLS, SUMPS, PITS, AND FLOOR DRAINS	35
9.1.8	STORMWATER RUNOFF AND SURFACE WATER	36
9.1.9	LAGOONS, PONDS, SEPTIC SYSTEMS, AND SEPARATORS.....	36
9.1.10	STRESSED VEGETATION, STAINING, AND ODORS.....	36
9.1.11	SURFICIAL DISTURBANCE	37
9.1.12	ON-PROPERTY DRY CLEANERS.....	37
9.2	ASTM NON-SCOPE CONSIDERATIONS.....	37
9.2.1	ASBESTOS-CONTAINING MATERIALS.....	37
9.2.2	RADON.....	37
9.2.3	LEAD-BASED PAINT.....	38
9.2.4	LEAD IN DRINKING WATER.....	38
9.2.5	POTENTIAL WETLANDS.....	38
9.2.6	AIR EMISSIONS	38
9.2.7	MOLD/WATER INTRUSION	38
10.0	CONCLUSIONS AND RECOMMENDATIONS.....	39

20143233

11.0 REFERENCES	41
11.1 INFORMATION SOURCES.....	41
11.2 DEFINITIONS	41
11.3 ACRONYMS	51

ATTACHMENT I PROFESSIONAL QUALIFICATIONS

APPENDICES

APPENDIX A	FIGURES
• USGS TOPO MAP	
• TAX MAP	
• WETLAND MAP	
• FLOOD PLAIN MAP	
APPENDIX B	PROPERTY DIAGRAM
APPENDIX C	PHOTOGRAPHS
APPENDIX D	USER CORRESPONDENCE
APPENDIX E	AERIAL PHOTOGRAPHS
APPENDIX F	HISTORIC MAPS
APPENDIX G	PREVIOUS REPORTS AND PLANS
APPENDIX H	CHAIN OF TITLE/ENVIRONMENTAL LIENS
APPENDIX I	CORRESPONDENCE
APPENDIX J	ENVIRONMENTAL DATABASE

20143233

PROJECT SUMMARY

Client Name:	The Towbes Group, Inc.	Property Visit Date:	August 4, 2014
Client Contact:	Ms. Linda Blackburn	Construction Date:	Not applicable
Property Solutions Project No.:	20143233	No. Bldgs./Units:	None
Property Solutions Project Manager:	Mr. Tim Clackett	No. of Stories:	Not applicable
Phone No.:	(856) 813-3000 ext. 209	Bldg. Square Footage:	Not applicable
Email:	Tclackett@propertyolutionsinc.com	Property Acreage:	16.2 acres
Property Name:	Heritage Ridge Development	Basement/Slab-on-grade:	Not applicable
Property Address:	Northeast side of Los Carneros Road and Calle Koral	Property Use:	Unpaved temporary construction yard
Property Town, County, State:	Goleta, Santa Barbara County, CA	Property History:	Orchard or citrus grove
Property Identification:	APNs 073-060-031 to -043	Other Improvements:	Portable trailers

Our review of general property information, observation of adjacent properties, research of historical property information, including a review of environmental records, and a property visit revealed the following:

	No Further Action	REC	CREC	HREC	De Minimis Conditions	ASTM Non-scope Considerations	Opinion of Probable Cost	Refer to Section
Property Operations	X							2.3
Neighboring Properties	X							5.0
Historical Review	X							6.0
Previous Reports					(1)			6.6
Regulatory Review	X							8.0
USTs	X							9.1.1
ASTs	X							9.1.2
PCBs	X							9.1.3
Chemicals/Hazardous Materials/Raw Materials						(2)		9.1.5
Waste Generation/Disposal	X							9.1.6
Stressed Vegetation, Staining, and Odors	X							9.1.10
Surficial Disturbances	X							9.1.11
ACMs	X							9.2.1
Radon						(3)		9.2.2
Lead-Based Paint	X							9.2.3
Lead in Drinking Water	X							9.2.4

20143233

	No Further Action	REC	CREC	HREC	De Minimis Conditions	ASTM Non-scope Considerations	Opinion of Probable Cost	Refer to Section
Other	X							

Notes / Recommendations: To understand the property and report, you must read the Executive Summary and complete report.

We have performed a Phase I Environmental Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the Heritage Ridge Development located northeast of South Los Carneros and Calle Koral in Goleta, Santa Barbara County, California 93117. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property except for the following:

De Minimis Condition(s)

The following de minimis condition was identified at the subject property based on the findings provided in this report:

- (1) Imported fill is located on the subject property. Property Solutions reviewed the following reports and correspondence:
 - In their Phase I Environmental Site Assessment report dated April 2, 1999, Dames & Moore noted the presence of large piles of fill soil on Property Solutions’ subject property. The source of the fill was not identified. No discolored soil was noted. Dames & Moore did not identify the fill as a recognized environmental condition, and made no recommendations for further action.
 - In their Report of Soil Removal dated August 12, 2004, Earth Systems Pacific documented the removal of approximately 130 cubic yards of hydrocarbon-contaminated soil (diesel fuel or fuel oil) that had mistakenly been deposited on Property Solutions’ subject property. The removal action included the collection and analysis of post-excavation soil samples in order to evaluate the adequacy of the remedial action. A total of 400 cubic yards of soil was transported for off-property disposal. Earth System Pacific concluded that the remedial action was adequate.
 - In their Soils Material Report dated July 20, 2010, Earth Systems Pacific noted a “slight hydrocarbon odor” in the logs for all five soil borings advanced on the southwestern arm of Property Solutions’ subject property for geotechnical engineering purposes. Earth Systems Pacific’s A-A’ cross section, which extends for more than 600 feet from northeast to southwest across the investigated area, identifies a “slight hydrocarbon odor” from an upper depth of 10 to 15 feet below ground extending to a lower depth of 16 to 25 feet below ground surface. Earth Systems Pacific’s B-B’ cross section, which extends for more than 800 feet from north to south across the investigated area, also identifies a “slight hydrocarbon odor” from an upper depth of 10 to 15 feet below ground extending to a lower depth of 16 to 25 feet below ground surface.
 - In their Geotechnical Engineering Report dated July 8, 2014, Earth Systems Pacific noted that groundwater on the subject property occurred at depths as shallow as 22.5 feet below ground surface.

20143233

- In their Results of Soil Analysis, Northwest Stockpile dated August 1, 2014, Earth Systems Pacific noted the presence of stained and odorous soils, which, in their estimation, that might render the soil undesirable for use at a property that is to be developed as a school, hospital, or residence. Earth Systems Pacific also reported that laboratory analysis did not identify concentrations of target compounds that would preclude the use of the soils for fill at properties proposed for other uses.

On the basis of the documentation reviewed, Property Solutions concludes that various areas of the subject property have experienced the delivery and removal of contaminated soils over a period of years. Because of its depth, the soil that is noted with a “slight hydrocarbon odor” in the Soils Material Report dated July 20, 2010, appears to be a de minimis condition.

Property Solutions understands from conversation with The Towbes Group, Inc. that the subject property is proposed for residential development, and that the City of Santa Barbara and the Regional Water Quality Control Board are expected to issue directives regarding the management of environmental issues, including soils. Property Solutions also understands that management of soil piles is ongoing at this time, and that the preparation of a Soil Management Plan is anticipated for the development project.

Property Solutions recommends that the property owner coordinate environmental activities with the City of Santa Barbara and the Regional Water Quality Control Board so that development can be completed in accordance with regulatory requirements.

ASTM Non-Scope Considerations

The following ASTM non-scope considerations were identified at the subject property based on the findings provided in this report:

- (2) At the time of the property visit, the subject property was being used as an unpaved construction yard. A portable diesel-fired emergency generator was present. No evidence of a fuel release was observed.

Property Solutions recommends that the area be periodically viewed for possible releases of hazardous substances. A final walkthrough should be performed immediately upon the contractor’s departure.

- (3) According to information provided by EDR, Santa Barbara County is located in radon Zone 1 (high potential). State of California information states that 48 of 312 radon tests conducted in the subject property zip code exceeded the USEPA-recommended action level of 4.0 picoCuries per liter (pCi/L). Federal information states that for 13 sites tested in the subject property zip code, the average radon activity for first-floor living areas was 2.915 pCi/L. Property Solutions understands that the subject property is proposed for the construction of slab-on-grade residential buildings.

Property Solutions recommends that radon be taken into consideration when designs are being prepared for the proposed residential buildings.

20143233

EXECUTIVE SUMMARY

Property Solutions Incorporated (Property Solutions) conducted a Phase I Environmental Assessment of the Heritage Ridge Development located northeast of South Los Carneros and Calle Koral in Goleta, Santa Barbara County, California 93117 (subject property) at the request of The Towbes Group, Inc.

The subject property consists of an irregular-shaped, 16.2-acre, multi-parcel site located on the east side of South Los Carneros Road north of Calle Koral and south of U.S. Route 101, and extending along the north and west sides of Camino Vista. The subject property is generally unimproved land. At the time of the property visit, the northwestern portion of the subject property was utilized as a temporary construction yard/construction access point for an overpass improvement project along South Los Carneros Road. The central portion of the subject property was occupied by several temporary trailers and stored equipment associated with the recent construction of the apartment complex to the south-southeast. No water bodies are located on the subject property or adjoining properties. Vehicular access to the subject property is gained via two unpaved access roads on the southeast side of the subject property along Camino Vista.

The subject property was historically used for agricultural purposes (orchards and/or citrus groves)

We have performed a Phase I Environmental Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the Heritage Ridge Development located northeast of South Los Carneros and Calle Koral in Goleta, Santa Barbara County, California 93117. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property.

De minimis conditions are a condition that generally does not present a threat to human 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. The following de minimis condition was identified at the subject property based on the findings provided in this report:

- (1) Imported fill is located on the subject property. Property Solutions reviewed the following reports and correspondence:
 - In their Phase I Environmental Site Assessment report dated April 2, 1999, Dames & Moore noted the presence of large piles of fill soil on Property Solutions' subject property. The source of the fill was not identified. No discolored soil was noted. Dames & Moore did not identify the fill as a recognized environmental condition, and made no recommendations for further action.

- In their Report of Soil Removal dated August 12, 2004, Earth Systems Pacific documented the removal of approximately 130 cubic yards of hydrocarbon-contaminated soil (diesel fuel or fuel oil) that had mistakenly been deposited on Property Solutions' subject property. The removal action included the collection and analysis of post-excavation soil samples in order to evaluate the adequacy of the remedial action. A total of 400 cubic yards of soil was transported for off-property disposal. Earth System Pacific concluded that the remedial action was adequate.
- In their Soils Material Report dated July 20, 2010, Earth Systems Pacific noted a "slight hydrocarbon odor" in the logs for all five soil borings advanced on the southwestern arm of Property Solutions' subject property for geotechnical engineering purposes. Earth Systems Pacific's A-A' cross section, which extends for more than 600 feet from northeast to southwest across the investigated area, identifies a "slight hydrocarbon odor" from an upper depth of 10 to 15 feet below ground extending to a lower depth of 16 to 25 feet below ground surface. Earth Systems Pacific's B-B' cross section, which extends for more than 800 feet from north to south across the investigated area, also identifies a "slight hydrocarbon odor" from an upper depth of 10 to 15 feet below ground extending to a lower depth of 16 to 25 feet below ground surface.
- In their Geotechnical Engineering Report dated July 8, 2014, Earth Systems Pacific noted that groundwater on the subject property occurred at depths as shallow as 22.5 feet below ground surface.
- In their Results of Soil Analysis, Northwest Stockpile dated August 1, 2014, Earth Systems Pacific noted the presence of stained and odorous soils, which, in their estimation, that might render the soil undesirable for use at a property that is to be developed as a school, hospital, or residence. Earth Systems Pacific also reported that laboratory analysis did not identify concentrations of target compounds that would preclude the use of the soils for fill at properties proposed for other uses.

On the basis of the documentation reviewed, Property Solutions concludes that various areas of the subject property have experienced the delivery and removal of contaminated soils over a period of years. Because of its depth, the soil that is noted with a "slight hydrocarbon odor" in the Soils Material Report dated July 20, 2010, appears to be a de minimis condition.

Property Solutions understands from conversation with The Towbes Group, Inc. that the subject property is proposed for residential development, and that the City of Santa Barbara and the Regional Water Quality Control Board are expected to issue directives regarding the management of environmental issues, including soils. Property Solutions also understands that management of soil piles is ongoing at this time, and that the preparation of a Soil Management Plan is anticipated for the development project.

Property Solutions recommends that the property owner coordinate environmental activities with the City of Santa Barbara and the Regional Water Quality Control Board so that development can be completed in accordance with regulatory requirements.

ASTM non-scope considerations are business environmental risks that are not included in the ASTM 1527-13 scope of work. The following ASTM non-scope consideration was identified at the subject property based on the findings provided in this report:

- (2) At the time of the property visit, the subject property was being used as an unpaved construction yard. A portable diesel-fired emergency generator was present. No evidence of a fuel release was observed.

Property Solutions recommends that the area be periodically viewed for possible releases of hazardous substances. A final walkthrough should be performed immediately upon the contractor's departure.

- (3) According to information provided by EDR, Santa Barbara County is located in radon Zone 1 (high potential). State of California information states that 48 of 312 radon tests conducted in the subject property zip code exceeded the USEPA-recommended action level of 4.0 picoCuries per liter (pCi/L). Federal information states that for 13 sites tested in the subject property zip code, the average radon activity for first-floor living areas was 2.915 pCi/L. Property Solutions understands that the subject property is proposed for the construction of slab-on-grade residential buildings.

Property Solutions recommends that radon be taken into consideration when designs are being prepared for the proposed residential buildings.

1.0 INTRODUCTION

Property Solutions Incorporated (Property Solutions) conducted a Phase I Environmental Assessment of the Heritage Ridge Development located northeast of South Los Carneros and Calle Koral in Goleta, Santa Barbara County, California 93117 (subject property) at the request of The Towbes Group, Inc. The Towbes Group, Inc. is considered the User, as defined in ASTM E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The subject property is identified as APNs 073-060-031 to -043, according to the Santa Barbara County Assessor.

A property location map is included in Appendix A.

This Phase I Environmental Assessment was conducted in general accordance with industry-accepted practices and American Society for Testing and Materials (ASTM) Standard E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The work was authorized by the signed proposal (P34219) dated July 21, 2014.

Per the ASTM practice and throughout this report, the Client will be considered the same as the User in the ASTM E 1527-13 practice.

1.1 Purpose

The purpose of a Phase I Environmental Assessment is to evaluate issues that may have an impact on the subject property. The purpose of the ASTM E 1527-13 practice is to define good commercial and customary practice in the United States of America for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) and petroleum products. As such, this practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability (hereinafter, the “landowner liability protections,” or “LLPs”): that is, the practice that constitutes all appropriate inquiries into the previous ownership and uses of the property consistent with good commercial and customary practice as defined at 42 U.S.C. §9601(35)(B). (See ASTM E 1527-13 Appendix X1 for an outline of CERCLA’s liability and defense provisions.) Controlled substances are not included within the scope of this standard. Persons conducting an environmental site assessment as part of an EPA Brownfields Assessment and Characterization Grant awarded under CERCLA 42 U.S.C. §9604(k)(2)(B) must include controlled substances as defined in the Controlled Substances Act (21 U.S.C. §802) within the scope of the assessment investigations to the extent directed in the terms and conditions of the specific grant or cooperative agreement. Additionally, an evaluation of business environmental risks associated with a parcel of commercial real estate may necessitate investigation beyond that identified in this practice (see ASTM E 1527-13 Sections 1.3 and 13).

The goal of the processes established by this practice is to identify recognized environmental conditions. The term recognized environmental conditions means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.

The purpose of this report is not intended to serve as a compliance assessment of the subject property or to identify health and safety issues or procedures. The ASTM E 1527-13 DOES NOT address whether requirements in addition to all appropriate inquiry have been met in order to qualify for the LLPs (for example, the duties specified in 42 U.S.C. §9601(b)(3)(a) and (b) and cited in Appendix X1 of the ASTM Standard, including the continuing obligation not to impede the integrity and effectiveness of activity and use limitations (AULs), or the duty to take reasonable steps to prevent releases, or the duty to comply with legally required release reporting obligations).

The ASTM E 1527-13 practice DOES NOT address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provision of the LLPs. Per the ASTM Standard, Users are cautioned that federal, state, and local laws may impose environmental assessment obligations that are beyond the scope of this practice. Users should also be aware that there are likely to be other legal obligations with regard to hazardous substances or petroleum products discovered on the property that are not addressed in the ASTM practice and that may pose risks of civil and/or criminal sanctions for non-compliance.

1.2 Scope of Work

This Phase I Environmental Assessment was conducted in accordance with the following Scope of Work:

1. Requested user to complete questionnaire and provide all user required information.
2. Researched and reviewed available information regarding past owners and occupants of the subject property to assess the potential for releases resulting from prior on-property activities. Aerial photographs, city directories, topographic maps, interviews and fire insurance maps were utilized, as available. Chain-of-title and environmental liens were reviewed if provided by the client/user.
3. Researched available information regarding immediately adjacent properties for evidence of releases that could impact the subject property.
4. Interviewed available persons familiar with current and former on-property activities for relevant information regarding potential environmental concerns as coordinated by the Client/User.

5. Reviewed federal and state regulatory agency database information for the subject property and neighboring properties to identify potential concerns that could adversely affect the environmental condition of the subject property. The database review included, but was not limited to, a review of the following lists: United States Environmental Protection Agency (USEPA) National Priorities List (NPL) Sites, Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Sites, State Hazardous Waste Sites, Resource Conservation and Recovery Act Information System (RCRIS) Corrective Action, Generator, and Treatment/Storage/Disposal (TSD) Sites, Leaking Registered Storage Tank (LRST) Sites, Registered Storage Tank (RST) Sites, landfills, and Emergency Response Notification System (ERNS) Sites. Contacted federal, state, and local regulatory agencies.
6. Performed a property visit to identify areas of potential environmental concern such as the bulk storage of regulated substances, underground/aboveground storage tanks, asbestos-containing materials, electrical transformers, and process-related wastes. To the extent possible, a review of immediately adjacent properties was also performed from the subject property and public thoroughfares. The property visit was performed using grid patterns across the property (as easily accessible) and through other systematic means. Findings and conditions were made only to the extent that they were visually and/or physically observed during the property visit.
7. Prepared a technical Phase I Environmental Assessment report to document the findings regarding the current environmental condition of the subject property. If warranted, the report contains recommendations for further action. In addition to ASTM scope items, the following ASTM non-scope items were discussed and included in the report based upon a limited review: asbestos containing materials, radon, lead-based paint, lead in drinking water, potential wetlands, air emissions, and mold/water intrusion.

1.3 Significant Assumptions

The following assumptions are made by Property Solutions in this report. Property Solutions relied on information derived from secondary sources including governmental agencies, the client (User), designated representatives of the client (User), property contact, property owner, property owner representatives, computer databases, and personal interviews. Except as set forth in this report, Property Solutions has made no independent investigation as to the accuracy and completeness of the information derived from secondary sources including government agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, or personal interviews and has assumed that such information is accurate and complete. Property Solutions assumes information provided by or obtained from governmental agencies including information obtained from government websites is accurate and complete. Groundwater flow and depth to groundwater, unless otherwise specified by on-property well data, are assumed based on contours depicted on the United States Geological Survey topographic maps. Property Solutions assumes the property has been correctly and accurately identified by the client (User), designated representative of the client (User), property contact, property owner, and property owner's representatives. Property

Solutions assumes that the Client (User), Client representatives, Client Legal Counsel, designated representatives of the Client, Key Site Manager, property contact, property owner, property owner representatives, and property brokers, used good faith in answering questions and in obtaining information for the subject property as defined in 10.8 of the ASTM E 1527-13 practice. This would also include obtaining those helpful documents from previous owners, operators, tenants, brokers, financial institutions etc. Property Solutions also assumes the Client will designate appropriate and knowledgeable people for performance of the Phase I Environmental Assessment including Key Site Managers.

1.4 Limitations and Exceptions of the Assessment

The findings, observations, conclusions, and recommendations of this report are limited by the contract technical requirements and the methods used to perform the services outlined in the scope of work. These services have been performed in accordance with the described scope for Phase I Environmental Assessments. In order to perform a comprehensive environmental evaluation, subsurface investigation and testing would be required to definitively evaluate whether contamination has affected the subject property. Therefore, the findings, conclusions, and recommendations presented herein are based solely on the scope of work previously described and information gathered. Incomplete or outstanding information identified throughout the body of this report including data gaps is considered a limitation to the assessment. Limitations to the assessment also include weather conditions, vegetation cover, parked cars, trucks, dumpsters, and anything limiting visual observation of or physical access to the subject property and neighboring properties. This report and scope is not an environmental compliance audit.

No environmental assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of the ASTM practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, and the ASTM practice recognizes reasonable limits of time and cost.

Appropriate inquiry does not mean an exhaustive assessment of a clean property. There is a point at which the cost of information obtained or the time required to gather it outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. One of the purposes of this practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an environmental assessment and reducing uncertainty about unknown conditions resulting from additional information.

Subject to Section 4.8 of the ASTM E 1527-13 Standard, an environmental site assessment meeting or exceeding the practice and completed less than 180 days prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction is presumed to be valid. If within this period the assessment will be used by a user different than the user (client) for whom the assessment was originally prepared, the subsequent user (if authorized to rely on the report as identified in Section 1.6 Reliance of this

report) must also satisfy the User's Responsibilities in Section 6 of the ASTM E 1527-13 standard. If this assessment is over 180 days old it is not valid and a new assessment should be performed per the ASTM standard.

All findings, conclusions, and recommendations stated in this report are based upon facts, circumstances, and industry-accepted procedures for such services as they existed at the time this report was prepared (i.e., federal, state, and local laws, rules, regulations, market conditions, economic conditions, political climate, and other applicable matters). All findings, conclusions, and recommendations stated in this report are based on the data and information provided, and observations and conditions that existed on the date and time of the property visit. Responses received from interviewees, the user, local, state, or federal agencies or other secondary sources of information after the issuance of this report may change certain facts, findings, conclusions, or circumstances to the report. A change in any fact, circumstance, or industry-accepted procedure upon which this report was based may adversely affect the findings, conclusions, and recommendations expressed in this report.

No other person or entity, unless specifically identified in Section 1.6 of this report may rely on this report. Subsequent consultants and subsequent Users may not rely on this report or information included in this report. Property Solutions Inc. will not be held liable in any way for any and all unauthorized use of this report both currently and in the future. Consultants and subsequent Users must specifically and separately verify all information and not rely on the facts, findings, conclusions, opinions and recommendations of this report. Future use of this report by consultants or subsequent Users is strictly prohibited and not authorized to evaluate the appropriateness of using this information in environmental site assessments performed in the future by anyone other than Property Solutions Inc. Subsequent consultants and subsequent Users may not include this report or information included in this report (unless publicly available) without the written authorization of Property Solutions Inc.

1.5 Special Terms and Conditions

This Phase I Environmental Assessment was prepared in accordance with the stated and agreed upon Scope of Work. This report was specifically and only prepared for the identified specific client (user) and for their specific purpose; no other person or entity for any other purpose may use, or rely on this report or its contents unless specifically authorized in writing by Property Solutions Inc. No other special terms and conditions are applicable to this Phase I Environmental Assessment.

1.6 Reliance

This report has been prepared for the sole benefit of The Towbes Group, Inc., and may not be relied upon by any other person or entity without the written authorization of Property Solutions.

1.7 Data Gaps

No significant data gaps were identified during this Phase I Environmental Assessment:

20143233

5

2.0 GENERAL PROPERTY INFORMATION

2.1 Property Location

Property Location	
Property Name	Heritage Ridge Development
Property Address	Northeast of South Los Carneros and Calle Koral
Property Town, County, State, Zip	Goleta, Santa Barbara County, CA 93117
Property Tax Identification	APNs 073-060-031 to -043 (Santa Barbara County Clerk-Recorder, Assessor and Elections Department)
Property Topographic Quadrangle	<u>Goleta, CA</u>
Nearest Intersection	South Los Carneros and Calle Koral
Area Description	Suburban residential and commercial

An excerpt from the USGS 7.5-minute series topographic quadrangle map of Goleta, CA, locating the subject property, is included in Appendix A.

2.2 Property Description

Property Information	
Property Ownership Name	Michael Towbes, LLC (User Questionnaire)
Date of Acquisition	April 27, 1999 (Santa Barbara County Clerk-Recorder, Assessor and Elections Department) January 14, 2002 (User Questionnaire)
Property Acreage	16.2 acres (Various sources)
Property Shape	Irregular
Property Use	Undeveloped; temporary construction yard
Number of Buildings	None
Number of Stories	Not applicable
Construction Date	Not applicable
Building Square Footage	Not applicable
Basement/Slab-on-grade	Not applicable
Number of Units	Not applicable
Ceiling Finishes	Not applicable
Floor Finishes	Not applicable
Wall Finishes	Not applicable
HVAC	Not applicable
Renovation Date	Not applicable
Renovation Description	Not applicable
Vehicular Access	From the southeast along Camino Vista

Property Information	
Other Improvements	Temporary construction trailers
Property Coverage	Exposed soil and sparse vegetation

A property diagram of the subject property is included in Appendix B.

2.3 Property Operations

The subject property is undeveloped land. At the time of the property visit, the northwestern portion of the property was utilized as a temporary construction yard/construction access point for an overpass improvement project along South Los Carneros Road. The central portion of the subject property was occupied by several temporary trailers and stored equipment associated with the recent construction of the Willow Springs apartment complex to the south-southeast. Equipment included a portable diesel-fired generator.

No industrial or manufacturing operations were observed at the subject property at the time of the property visit.

No environmental concerns were identified at the subject property based on the operations observed during the property visit.

2.4 Utilities

The subject property is undeveloped and not connected to any utilities:

Utility	Provider
Electricity	Edison
Natural Gas	SoCal Gas
Sanitary Sewerage	Goleta West Sanitary District
Potable Water	Goleta Water District
Solid Waste Removal	Not applicable
Fuel Oil	Not applicable
Steam	Not applicable

3.0 USER PROVIDED INFORMATION AND RESPONSIBILITIES

This section is to describe tasks to be performed by the User. The “All Appropriate Inquiries” (AAI) Final Rule (40 CFR Part 312) requires that these tasks be performed by or on behalf of a party seeking to qualify for an LLP to CERCLA liability. These tasks must also be completed by or on behalf of EPA Brownfield Assessment and Characterization grantees. While such information is not required to be provided to the environmental professional, the environmental professional shall request that the user provide the results of these tasks as such information can

assist the environmental professional in identifying recognized environmental conditions.

Per the ASTM standard, the environmental professional shall note in the report whether or not the User has reported to the environmental professional information pursuant to Section 6 of the ASTM standard.

User's Responsibilities	User Provided	Other Provided	Not provided
Optional User Questionnaire	X		
Title and Judicial Records for Environmental Liens/Activity Use Limitations			X
Specialized Knowledge or Experience of the User	X		
Actual Knowledge of the User	X		
Reason for Significantly Lower Purchase Price (value reduction)			X
Commonly Known or Reasonably Ascertainable Information			X
Degree of Obviousness			X
Reason for Performing the Phase I other than to qualify for LLP to CERCLA Liability	X		
Helpful Documents/Prior Reports	X		
Proceedings Involving the Subject Property			X
User Identified Personnel	X		

No significant data gaps were identified based upon the information known by the User for this transaction.

User Questionnaire

A User Questionnaire was submitted to Ms. Linda Blackburn (User) to be completed prior to the property visit.

Client	The Towbes Group, Inc.
Contact Name	Ms. Linda Blackburn/Mr. Derek Hanson
Contact Title	Senior Project Analyst and Vice President of Construction
Phone/Fax/Email	805.962.2121
Contact Date	July 30, 2014
Request Medium	Email
Questionnaire completed?	Yes
Completed by?	Mr. Derek Hansen
Response Date	August 12, 2012
Form of Response	Mail
Was the questionnaire completed and returned prior to the property visit?	No

Summary of information provided in questionnaire: The completed User Questionnaire provided the subject property owner information and indicated that a land-use restriction is in place. No additional information was provided in the completed questionnaire.

The completed User Questionnaire and correspondence are included in Appendix D - User Correspondence.

Title and Judicial Records for Environmental Liens/Activity Use Limitations

Per ASTM E 1527-13 Section 6.2, the User is required to provide and/or report to the environmental professional any title and judicial records for environmental liens/activity use limitations (AULs) so identified for the subject property. The environmental professional per the ASTM practice is not responsible to undertake a review of recorded land title records and judicial records for environmental liens or activity and use limitations.

Title records and information were not provided to Property Solutions by the User, and the User did not requested Property Solutions to coordinate with a title company or title professional to undertake a review of Recorded Land Title records and judicial records for environmental liens or AULs.

Knowledge of the User

Per the ASTM standard, the Users must take into account their specialized knowledge to identify conditions indicative of releases or threatened releases. If the user has any specialized knowledge or experience that is material to recognized environmental conditions in connection with the property, the user should communicate any information based on such specialized knowledge or experience to the environmental professional. The user should do so before the environmental professional conducts the property visit.

The property owner/key site manager had no specialized knowledge, actual knowledge, experience, or commonly known and reasonably ascertainable information within the local community concerning recognized environmental conditions at the subject property.

Valuation Reduction for Environmental Issues

Per the ASTM standard, in a transaction involving the purchase of a parcel of commercial real estate, the user shall consider the relationship of the purchase price of the property to the fair market value of the property if the property was not affected by hazardous substances or petroleum products. The User should try to identify an explanation for a significantly lower price which does not reasonably reflect fair market value if the property was not contaminated, and make a written record of such explanation. The ASTM standard does not require that a real estate appraisal be obtained in order to ascertain fair market value of the property.

The User did not inform Property Solutions that a significantly lower purchase price was noted for the subject property.

The Towbes Group, Inc. (User) indicated that the reason for performing the Phase I Environmental Assessment was for entitlement purposes.

Helpful Documents Provided Prior to Property Visit

Per the ASTM standard, prior to the property visit, the property owner, key site manager (if any is identified), and User (if different from the property owner) shall be asked if they know whether any of the documents below exist and if so, whether copies can and will be provided within reasonable time and cost constraints including partial information. This information is to be provided prior to or at the beginning of the property visit.

Documents	User		Key Site Manager		Property Owner	
	Exist	Provided	Exist	Provided	Exist	Provided
ESA reports	Yes	Yes	Yes	Yes	Yes	Yes
Environmental compliance audit reports	No	N/A	No	N/A	No	N/A
Environmental permits	No	N/A	No	N/A	No	N/A
UST/AST registrations	No	N/A	No	N/A	No	N/A
Underground Injection permits	No	N/A	No	N/A	No	N/A
MSDSs	No	N/A	No	N/A	No	N/A
Community Right-to-Know plan	No	N/A	No	N/A	No	N/A
Safety plans	No	N/A	No	N/A	No	N/A
SPCC plans	No	N/A	No	N/A	No	N/A
Emergency preparedness and prevention plans	No	N/A	No	N/A	No	N/A
Hydrogeologic reports	No	N/A	No	N/A	No	N/A
Government agency correspondence and violations	No	N/A	No	N/A	No	N/A
Hazardous waste generator notices or reports	No	N/A	No	N/A	No	N/A
Geotechnical studies	Yes	Yes	Yes	Yes	Yes	Yes
Risk assessments	No	N/A	No	N/A	No	N/A
Recorded AULs	No	N/A	No	N/A	No	N/A
Environmental liens	No	N/A	No	N/A	No	N/A
Other	No	N/A	No	N/A	No	N/A

Proceedings Involving the Property

Per the ASTM standard, prior to the property visit, the property owner, key site manager (if any is identified), and user (if different from the property owner) shall be asked whether they know of: (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

The user/key site manager/property owner indicated based on a response dated August 11, 2014, via User Questionnaire that they have no knowledge of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property; (2)

20143233

any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

User Identified Personnel

The information and contacts below were identified and/or provided by the User/Client.

Contact	Name	Company
User	Ms. Linda Blackburn	The Towbes Group, Inc.
Key Site Manager	Mr. David Hansen	The Towbes Group, Inc.
Current Property Owner	Mr. Michael Towbes	The Towbes Group, Inc.
Current Property Owner Representative	Ms. Linda Blackburn	The Towbes Group, Inc.
Occupants	Not applicable	Not applicable
Major Occupants	Not applicable	Not applicable
Current Operator Name	Mr. David Hansen	The Towbes Group, Inc.
Past Property Owner	Not applicable	Not applicable
Past Property Owner Representative	Not applicable	Not applicable
Other Past Property Owner	Not applicable	Not applicable
Past Operator Name	Not applicable	Not applicable
Past Occupant	Not applicable	Not applicable
Past Major Occupant	Not applicable	Not applicable
Broker	Not applicable	Not applicable
Property Manager	Mr. David Hansen	The Towbes Group, Inc.
Building Engineer	Not applicable	Not applicable
Other	Not applicable	Not applicable

4.0 PHYSICAL SETTINGS

4.1 Topography/Regional Drainage

Topographic Quadrangle Name	<u>Goleta, CA</u>
Property Elevation	Between 15 feet and 50 feet above mean sea level
Surface Gradient	Southerly and northeasterly decline
Property Drainage	Percolation and inlet located at the northeast corner of the property
Regional Drainage	South to Pacific Ocean
Closest Perennial Water body	Pacific Ocean, approximately 1.5 miles to the south-southeast

A copy of the USGS 7.5-minute series topographic quadrangle map of Goleta, CA, is included in Appendix A.

4.2 Soils

USDA County Soil Survey	
Information Source	USDA Soil Conservation Service
Date of Information Source	Not reported
Soil Name	Milpitas
Description: Sandy loam, moderately well drained	
Expected depth to bedrock	Unknown

4.3 Underlying Formation

Information Source	California Division of Mines and Geology
Title of Publication	<u>Geologic Map of California – Los Angeles Sheet</u>
Date of Publication	1969
Name of Unit	Quaternary-aged, non-marine terrace deposits
Description of Unit: Shallow sedimentary strata	

4.4 Groundwater

Information Source	State Water Resources Control Board (SWRCB) Geotracker online database
Title of Publication	Case Closure Summary, Former Chevron, 6470 Hollister Avenue
Date of Publication	October 23, 2013
Underlying Aquifer	Goleta Groundwater Basin
Description: West sub-basin	

Expected Depth to Shallow Groundwater	22.5 feet below ground surface
Information Source	<u>Geotechnical Engineering Report, Heritage Ridge Apartments</u> (July 8, 2014)
Expected Direction of Shallow Groundwater Flow	Southeast to southwest
Information Source	USGS 7.5-minute series topographic quadrangle map of <u>Goleta, CA</u>

5.0 NEIGHBORING PROPERTIES

Review of neighboring properties from the subject property and from public thoroughfares, and research of available information regarding the neighboring properties, were performed to identify evidence of environmental concerns that could adversely impact the subject property. The subject property is located in a residential and commercial area of Goleta, California.

Direction	Property	Address	Operations
North	Railroad tracks	Not applicable	Transportation
	U.S. Highway 101	Not applicable	Transportation
South	Willow Springs Apartments	Camino Vista	Residential
	Undeveloped land	Camino Vista and Calle Koral	None
East	Unmarked commercial building, Unit J	6409 Camino Vista	Not identified
	Unmarked commercial building	41 Aero Camino	Not identified
	Channel City Lumber	35 Aero Camino	Building supplies
West	Undeveloped land	Not identified	None
	Campus Point	15 South Los Carneros Road	Commercial

Based on a review of neighboring properties from the subject property and from public thoroughfares, the neighboring properties do not appear to be of the type likely to pose a significant threat to the environmental condition of the subject property. The neighboring properties were not listed in the environmental database reviewed or Envirofacts.

A property diagram including neighboring properties is included in Appendix B. Photographs including the neighboring properties are included in Appendix C.

6.0 HISTORICAL PROPERTY INFORMATION

The following is a summary of the historical use of the subject property based on a review of the standard historical source information that is further described below:

Decade	Property Use	Standard Source/Source
1900	Unknown	Data Gap
1910	Unknown	Data Gap
1920	Unknown	Data Gap
1930	Orchards and/or citrus groves	Aerial Photographs/EDR
1940	Orchards and/or citrus groves	Aerial Photographs/EDR
1950	Orchards and/or citrus groves	Aerial Photographs/EDR
1960	Orchards and/or citrus groves	Aerial Photographs/EDR
1970	Orchards and/or citrus groves	Aerial Photographs/EDR
1980	Undeveloped land	Aerial Photographs/EDR
1990	Undeveloped land	Aerial Photographs/EDR
2000	Undeveloped land	Aerial Photographs/EDR
2005	Undeveloped land	Aerial Photographs/EDR

6.1 City Directories

Property Solutions contacted Santa Barbara Public Library requesting information on historical city directories for Goleta, California. According to the library staff, no city directories are available for the subject property in the Santa Barbara Public Library collection.

6.2 Aerial Photographs

Years	1928 and 1938
Information Source	EDR
Description of Subject Property: Orchards or citrus groves in the north-central and eastern portions, former or young orchards or citrus groves in the central portion, and undeveloped land in the southern portion.	
Description of Northerly Adjoining Property: Railroad tracks and Highway 101, followed by orchards or citrus groves.	
Description of Southerly Adjoining Property: Row crop farmland, orchards or citrus groves, and former or young orchards or citrus groves.	
Description of Easterly Adjoining Property: Row crop farmland.	
Description of Westerly Adjoining Property: Row crop farmland.	

Year	1947
Information Source	EDR
Description of Subject Property: Orchards or citrus groves in the western and southern portions, and possible row crop farmland in the eastern portion.	
Description of Northerly Adjoining Property: Railroad tracks and Highway 101, followed by possible row crop farmland.	
Description of Southerly Adjoining Property: Orchards or citrus groves.	
Description of Easterly Adjoining Property: Row crop farmland and orchards or citrus groves.	
Description of Westerly Adjoining Property: Row crop farmland.	

Year	1959
Information Source	EDR
Description of Subject Property: Orchards or citrus groves in the northern and eastern portions, and possible row crop farmland in the southern portion.	
Description of Northerly Adjoining Property: Railroad tracks and Highway 101, followed by orchards or citrus groves.	
Description of Southerly Adjoining Property: Orchards or citrus groves and undeveloped land.	
Description of Easterly Adjoining Property: Orchards or citrus groves and a new street.	
Description of Westerly Adjoining Property: Undeveloped land.	

Year	1967
Information Source	EDR
Description of Subject Property: Orchards or citrus groves in the northern and eastern portions, undeveloped land, and the right-of-way for South Los Caneros Road in the western portion.	
Description of Northerly Adjoining Property: Railroad tracks and Highway 101, followed by orchards or citrus groves.	
Description of Southerly Adjoining Property: Orchards or citrus groves and undeveloped land.	
Description of Easterly Adjoining Property: A new street.	
Description of Westerly Adjoining Property: Disturbed but undeveloped land.	

Year	1973
Information Source	EDR
Description of Subject Property: Orchards or citrus groves in the northern and eastern portions, undeveloped land, and the right-of-way for South Los Caneros Road in the western portion.	
Description of Northerly Adjoining Property: Railroad tracks and Highway 101, followed by orchards or citrus groves.	
Description of Southerly Adjoining Property: Orchards or citrus groves and undeveloped land.	
Description of Easterly Adjoining Property: A new street with commercial buildings.	
Description of Westerly Adjoining Property: Disturbed but undeveloped land.	

Year	1989
Information Source	EDR
Description of Subject Property: Undeveloped land.	
Description of Northerly Adjoining Property: Developed similarly to the present day.	
Description of Southerly Adjoining Property: Undeveloped land.	
Description of Easterly Adjoining Property: Developed similarly to the present day.	
Description of Westerly Adjoining Property: Developed with the former alignment of South Los Caneros Road followed by grading/construction to the west.	

Year	1994
Information Source	EDR
Description of Subject Property: Undeveloped land.	
Description of Northerly Adjoining Property: Developed similarly to the present day.	
Description of Southerly Adjoining Property: Undeveloped land.	
Description of Easterly Adjoining Property: Developed similarly to the present day.	
Description of Westerly Adjoining Property: Developed similarly to the present day.	

Year	2005
Information Source	EDR
Description of Subject Property: Undeveloped with the presence of possible fill soil placed throughout the northeastern portion.	
Description of Northerly Adjoining Property: Developed similarly to the present day.	
Description of Southerly Adjoining Property: Developed with a portion of the current Willow Springs apartment complex.	
Description of Easterly Adjoining Property: Developed similarly to the present day.	
Description of Westerly Adjoining Property: Developed similarly to the present day.	

Years	2009, 2010, and 2012
Information Source	EDR
Description of Subject Property: Undeveloped with the presence of possible fill soil placed throughout the northeastern portion of the site, and the current access road throughout the center of the property	
Description of Northerly Adjoining Property: Developed similarly to the present day.	
Description of Southerly Adjoining Property: Developed with a portion of the current Willow Springs apartment complex.	
Description of Easterly Adjoining Property: Developed similarly to the present day.	
Description of Westerly Adjoining Property: Developed similarly to the present day.	

Review of the aerial photographs revealed that the subject property was orchards or citrus groves until at least 1973. The property has been undeveloped and generally unused land since that time. It appears the northeastern portion of the property was overlain with fill soil between 1994 and 2005.

No evidence of environmental concern on or adjacent to the subject property was revealed during a review of the aerial photographs, other than the historic orchards or citrus groves, and the fill.

On the basis of the aerial photographs and previous reports, Property Solutions concludes that various areas of the subject property have experienced the delivery and removal of contaminated soils over a period of years, and that hydrocarbon-impacted soils remain. Property Solutions understands from conversation with The Towbes Group, Inc. that the subject property is proposed for residential development, and that the City of Santa Barbara and the Regional Water Quality Control Board are expected to issue directives regarding the management of environmental issues, including soils. Property Solutions also understands that management of soil piles is ongoing at this time, and that the preparation of a Soil Management Plan is anticipated for the development project.

The subject property consists of orchards or citrus groves on aerial photographs of 1928 through 1973. The use of lead arsenate and petroleum-based pesticides on fruit trees in California dates to the 1930s. The original ground surface from that time has apparently been covered by fill, which mitigates the potential for direct contact under present conditions. In addition, Property Solutions notes that the Soil and Groundwater Investigation Report dated June 2012 (see Section

6.6) included sampling of shallow soil for pesticide and arsenic analysis. Although these soil samples were collected on the southerly contiguous non-subject Willow Springs II property, review of the historical aerial photographs reveals that the orchards or citrus groves present on this property also extended onto the subject property. Therefore, Property Solutions does not expect that pesticide and arsenic residues in soil on the subject property (should such residues be present) likely differ significantly from those that were reportedly detected on the Willow Springs II property at concentrations below residential and background standards.

Property Solutions recommends that the property owner coordinate environmental activities with the City of Santa Barbara and the Regional Water Quality Control Board so that development can be completed in accordance with regulatory requirements.

6.3 Fire Insurance Maps

Fire insurance maps that include the subject property were requested from Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut. EDR has informed Property Solutions that no historical map coverage is available for the subject property in the EDR historical map collection.

A copy of EDR’s statement of no coverage is included in Appendix F.

6.4 Topographic Quadrangle Map

Topographic Quadrangle Map Name	<u>Goleta, CA</u>
Year published	1988
Aerial photograph year map based on	1947
Year photorevised	1995
Aerial photograph year photorevision based on	1994
Color of photorevisions	Gray
Description of Subject Property: Undeveloped land.	
Description of Northerly Adjoining Property: Railroad tracks followed by Highway 101.	
Description of Southerly Adjoining Property: Undeveloped land.	
Description of Easterly Adjoining Property: Developed similarly to the present day.	
Description of Westerly Adjoining Property: Developed similarly to the present day.	

No environmental concerns were identified based upon a review of the Goleta, CA, topographic quadrangle map.

A portion of the USGS 7.5-minute series topographic quadrangle map of Goleta, CA, which includes the subject property, is included in Appendix A.

6.5 Prior Use Interviews

Property Contact Name	Ms. Linda Blackburn
Property Contact Title	Senior Project Analyst
Property Contact Company	The Towbes Group, Inc.
Association with Property	Not provided
Years Associated with Subject Property	Not provided

Property Solutions provided the above person a User Questionnaire to complete as the form of an interview. The questionnaire was returned to Property Solutions; however, it was only partially completed. In lieu of a full completed document, the Towbes Group provided copies of previous geotechnical and environmental documents pertaining to the subject property, as discussed below.

6.6 Previous Reports and Plans

Complete Report Name	<u>Final Report, Phase I Environmental Site Assessment</u>
Report Date	April 2, 1999
Report Project Number	35284-002-139
Report Property Name	Vacant residential properties at 6400 block of Hollister Avenue – northern tracts
Report Property Address	Goleta, CA
Prepared by	Dames & Moore
Consultant City & State Location	Not provided
Prepared for	The Towbes Group
Party City & State Location	Not provided
Report Provided by	The Towbes Group
The entire report including appendices was provided.	
The boundaries discussed in this report include those of the subject property identified by Property Solutions.	
Report and Subject Property Variations: This report addresses the subject property and the residential apartment complex to the south (Willow Springs Phase I)	
Information/Portions of Report not Included with Report: None	

Scope of Services Performed Per Report: Environmental Site Assessment for the purposes of identifying Recognized Environmental Conditions (RECs) per ASTM E 1527-93 at the subject property (includes the residential development adjacent to and to the south)

Findings/Conclusions as Reported by Report Preparer: The assessment did not reveal the presence of RECs at the site

Recommendations as Reported by Report Preparer: No further action.

Report Historical Information and Findings: The consultant indicates that the subject property has historically been undeveloped agricultural land.

Property Solutions Review: Dames & Moore noted the presence of large piles of fill soil on Property Solutions' subject property. The source of the fill was not identified. No discolored soil was noted. Dames & Moore did not identify the fill as a recognized environmental condition, and made no recommendations for further action.

Property Solutions Findings and Conclusions: The presence of large volumes of undocumented fill soil should have been identified as a possible REC.

Complete Report Name	<u>Report of Soil Removal</u>
Report Date	August 12, 2004
Report Project Number	35284-002-139
Report Property Name	Willow Springs Residential Project
Report Property Address	Aero Camino at UPRR Tracks
Prepared by	Earth Systems Pacific
Consultant City & State Location	San Luis Obispo, CA
Prepared for	The Towbes Group
Party City & State Location	Santa Barbara, CA
Report Provided by	The Towbes Group
The entire report including appendices was provided.	
The boundaries discussed in this report include those of the subject property identified by Property Solutions.	
Report and Subject Property Variations: This report addresses the subject property and the residential apartment complex to the south	
Information/Portions of Report not Included with Report: None	

Scope of Services Performed Per Report: This report summarizes the excavation and exporting operations for undocumented fill soil that was delivered to the subject property and stockpiled at the northwest corner in June of 2004

Findings/Conclusions as Reported by Report Preparer: Earth Systems Pacific documented the removal of approximately 130 cubic yards of hydrocarbon-contaminated soil (diesel fuel or fuel oil) that had mistakenly been deposited on Property Solutions' subject property. The removal action included the collection and analysis of post-excavation soil samples in order to evaluate the adequacy of the remedial action. Earth System Pacific concluded that the remedial action was adequate.

Recommendations as Reported by Report Preparer: None presented.

Property Solutions Findings and Conclusions: A total of 400 cubic yards of soil was transported for off-property disposal.

Complete Report Name	<u>Soils Materials Report, Willow Springs Apartments</u>
Report Date	July 20, 2010
Report Project Number	SL-15702-SB
Report Property Name	Willow Springs Apartments
Report Property Address	North of Los Carneros Way and Camino Vista
Prepared by	Earth Systems Pacific
Consultant City & State Location	Santa Maria, CA
Prepared for	The Towbes Group
Party City & State Location	Santa Barbara, CA

Complete Report Name	<u>Soils Materials Report, Willow Springs Apartments</u>
Report Provided by	The Towbes Group
The entire report including appendices was provided.	
The boundaries discussed in this report include those of the subject property identified by Property Solutions.	
Report and Subject Property Variations: None	
Information/Portions of Report not Included with Report: None	

Scope of Services Performed Per Report: The drilling and sampling of five soil borings in the large stockpile which occupies the approximate southern 1/3 of the subject property. The purpose of the borings was to determine the thickness of the fill stockpile and characterize the soil for geotechnical suitability for use onsite.

Findings/Conclusions as Reported by Report Preparer: Earth Systems Pacific noted a “slight hydrocarbon odor” in the logs for all five soil borings advanced on the southwestern arm of Property Solutions’ subject property for geotechnical engineering purposes. Earth Systems Pacific’s A-A’ cross section, which extends for more than 600 feet from northeast to southwest across the investigated area, identifies a “slight hydrocarbon odor” from an upper depth of 10 to 15 feet below ground extending to a lower depth of 16 to 25 feet below ground surface. Earth Systems Pacific’s B-B’ cross section, which extends for more than 800 feet from north to south across the investigated area, also identifies a “slight hydrocarbon odor” from an upper depth of 10 to 15 feet below ground extending to a lower depth of 16 to 25 feet below ground surface.

Recommendations as Reported by Report Preparer: The soil stockpile was deemed suitable for usage from a geotechnical standpoint.

Property Solutions Findings and Conclusions: The presence of hydrocarbon odors in the fill zone of each boring indicates potential contamination.

Complete Report Name	<u>Soil and Groundwater Investigation Report</u>
Report Date	June 2012
Report Project Number	SB0224
Report Property Name	Willow Springs II
Report Property Address	Not cited
Prepared by	Geosyntec Consultants
Consultant City & State Location	Santa Barbara, California
Prepared for	The Towbes Group, Inc.
Party City & State Location	Santa Barbara, California
Report Provided by	The Towbes Group, Inc.
The entire report including appendices was provided.	
The boundaries discussed in this report are different than those of the subject property identified by Property Solutions.	
Report and Subject Property Variations: This report pertains to the southerly contiguous property.	
Information/Portions of Report not Included with Report: None	

Scope of Services Performed Per Report: Sampling of soils for analysis of pesticides, arsenic, BTEX, and TPH, and sampling of groundwater for analysis of VOCs.

Findings/Conclusions as Reported by Report Preparer: Concentrations of detected pesticides were below California Human Health Screening Levels for residential land use. Concentrations of arsenic were below the Department of Toxic Substances Control’s background standard for Southern California. The direction of groundwater flow was to the south-southwest (away from Property Solutions’ subject property).

Recommendations as Reported by Report Preparer: No further mitigation was recommended.

Report Historical Information and Findings: The property was historically an orchards, hence the potential concern regarding pesticides and arsenic.

Property Solutions Review: Although these soil samples were collected on the southerly contiguous non-subject Willow Springs II property, review of the historical aerial photographs reveals that the orchards or citrus groves present on this property also extended onto the subject property.

Property Solutions Findings and Conclusions: Property Solutions does not expect that pesticide and arsenic residues in soil on the subject property (should such residues be present) likely differ significantly from those that were reportedly detected on the Willow Springs II property at concentrations below residential and background standards.

Complete Report Name	<u>Geotechnical Engineering Report, Heritage Ridge Apartments</u>
Report Date	July 8, 2014
Report Project Number	SL-15702-SF
Report Property Name	Heritage Ridge Apartment (formerly Willow Springs Apartments)
Report Property Address	North of Calle Koral and Camino Vista
Prepared by	Earth Systems Pacific
Consultant City & State Location	Santa Maria, CA
Prepared for	The Towbes Group
Party City & State Location	Santa Barbara, CA
Report Provided by	The Towbes Group
The entire report including appendices was provided.	
The boundaries discussed in this report include those of the subject property identified by Property Solutions.	
Report and Subject Property Variations: None	
Information/Portions of Report not Included with Report: None	

Scope of Services Performed Per Report: The drilling and sampling of 11 soil borings throughout the entire subject property for geotechnical analysis and recommendations

Findings/Conclusions as Reported by Report Preparer: The soil profile consists of existing fill throughout the entire site: up to 10-feet thick in the stockpile area to the south, 5 to 7-feet thick near the middle and northwest area, and up to 15-feet thick throughout the northeast area.

Recommendations as Reported by Report Preparer: See report.

Property Solutions Findings and Conclusions: The thickness of fill, especially throughout the northeast 1/3, is considered a concern. According to Towbes Group, this material was imported from the recent construction of the Willow Springs apartment complex to the south of the subject property. The original origin of the material, however, is in question. Earth Systems Pacific noted that groundwater on the subject property occurred at depths as shallow as 22.5 feet below ground surface.

Complete Report Name	Draft Results of Soil Analysis, Northwest Stockpile
Report Date	August 1, 2014
Report Project Number	Not provided
Report Property Name	Heritage Ridge Apartment Project
Report Property Address	NEC Los Carneros Road and Camino Vista
Prepared by	Earth Systems Pacific
Consultant City & State Location	San Luis Obispo, CA
Prepared for	The Towbes Group
Party City & State Location	Santa Barbara, CA
Report Provided by	The Towbes Group
The entire report including appendices was provided.	
The boundaries discussed in this report include those of the subject property identified by Property Solutions.	
Report and Subject Property Variations: The consultant refers to the subject stockpile as the "northwest" stockpile, whereas it is referred to as the southern stockpile throughout this report	
Information/Portions of Report not Included with Report: None	

Scope of Services Performed Per Report: The drilling and sampling of six soil borings throughout the southern stockpile for the purposes of characterization and soil analytical testing to determine the suitability for use onsite or exporting to other sites. Soil samples collected from the borings were analyzed for the presence of TPH, VOC, PAH, metals, etc.

Findings/Conclusions as Reported by Report Preparer: The consultant indicated in the report that the soil stockpile is approximately 300,000 cubic yards in volume, approximately 10 to 20-feet thick, and consists of soil imported from various locations in the early 2000s. In the six borings advanced, gray to dark gray colored soil with an organic odor was encountered in the majority of the borings in the 5 to 15-foot deep range. Samples collected from the borings at various depths were analyzed in the field using a PID monitor, and no measurable results were observed. TPHg was found to be non-detectable in the samples analyzed. Minor TPHd and TPHmo were detected in one boring at 190 and 100 ppm, respectively, below the ESL. VOCs were non-detectable, and low concentrations of PAHs were found below the ESL. The only metal which was found to exceed the ESL was arsenic, which is common throughout California, and is deemed a background level. The samples also were found to be generally basic (pH between 7.5 and 8.5), low to moderate salinity, and with 0.1% to 0.8% free lime.

The consultant recommended that the odorous, dark gray to gray colored material be segregated and utilized in non-sensitive areas, such as under pavements. Furthermore, the stockpiled materials should not be placed in archeological areas onsite per the City's pH threshold requirement.

Recommendations as Reported by Report Preparer: See report.

Property Solutions Findings and Conclusions: It appears the large stockpile which occupies the approximate 1/3, south of the temporary trailers and access road that bisects the subject property northwest to southeast, has been adequately characterized and there are only minor restrictions regarding this soil for onsite usage. Earth Systems Pacific noted the presence of stained and odorous soils, which, in their estimation, that might render the soil undesirable for use at a property that is to be developed as a school, hospital, or residence. Earth Systems Pacific also reported that laboratory analysis did not identify concentrations of target compounds that would preclude the use of the soils for fill at properties proposed for other uses.

Property Solutions recommends that the property owner coordinate environmental activities with the City of Santa Barbara and the Regional Water Quality Control Board so that development can be completed in accordance with regulatory requirements.

Copies of the previous report are included in Appendix G.

Property Solutions did not review any plans pertaining to the subject property.

6.7 Chain of Title Information

A chain of title search for the subject property was not provided for review.

6.8 Activity and Use Limitations/Environmental Liens

Activity and Use Limitations (AULs) include both legal (institutional) and physical (engineering) controls. Agencies, organizations, and jurisdictions may define or utilize these terms differently.

The User did not request Property Solutions to coordinate with a title company or title professional to undertake a review of Recorded Land Title records and judicial records for environmental liens or AULs.

Therefore, no title records were searched and no information was provided for environmental liens and AULs which is the responsibility of the User. Per the ASTM standard this is considered a data gap.

6.9 Other Historical Sources

No environmentally relevant information from miscellaneous maps, newspaper archives, internet sites, community organizations, local libraries, historical societies, current owners or occupants of neighboring properties, or records in the files and/or personal knowledge of the property owner and/or occupants were provided regarding the subject property during this investigation.

6.10 Historical Use Data Failure

Per ASTM E 1527-13, “8.3.2 Uses of the Property—All obvious uses of the property shall be identified from the present, back to the property’s first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources in 8.3.4.1 through 8.3.4.8 as are necessary and both reasonably ascertainable and likely to be useful (as described under Data Failure in 8.3.2.3). . . . Such confirmation may come from one or more of the standard historical sources specified in 8.3.4.1 through 8.3.4.8, or it may come from other historical sources (such as someone with personal knowledge of the property; see 8.3.4.9). However, checking other historical sources (see 8.3.4.9) is not required. For purposes of 8.3.2, the term “developed use” includes agricultural uses and placement of fill dirt. The report shall describe all identified uses, justify the earliest date identified (for example, records

showed no development of the property prior to the specific date), and explain the reason for any gaps in the history of use (for example, data failure).”

Per ASTM E 1527-13, “8.3.2.3 Data Failure—the historical research is complete when either: (1) the objectives in 8.3.1 through 8.3.2.2 are achieved; or (2) data failure is encountered. Data Failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met. Data failure is not uncommon in trying to identify the use of the property at five year intervals back to first use or 1940 (whichever is earlier). Notwithstanding a data failure, standard historical sources may be excluded if: (1) the source is not reasonably ascertainable, or (2) if past experience indicates that the source is not likely to be sufficiently useful, accurate, or complete in terms of satisfying the objectives. Other historical sources specified in 8.3.4.9 may be used to satisfy the objectives, but are not required to comply with this practice. If data failure is encountered, the report shall document the failure and, if any of the standard historical sources were excluded, give the reasons for their exclusion. If the data failure represents a significant data gap, the report shall comment on the impact of the data gap on the ability of the environmental professional to identify recognized environmental conditions.

Historical Sources Searched

Historical Source	Source Checked?	Organization	Earliest Date Obtained	Additional Information	Data Failure
Aerial Photos	Yes	EDR	1928	No	No
Fire Insurance Maps	Yes	EDR	N/A	No	No
Property Tax File	Yes	Santa Barbara County Assessor	1999	No	No
Recorded Land Title Records	No	N/A	N/A	No	No
USGS 7.5 Minute Topo Maps	Yes	USGS	1947	No	No
Local Street Directories (city directories)	Yes	Truckee Library	1999	No	No
Building Department Records	Yes	City of Goleta	N/A	No	No
Zoning/Land Use Records	Yes	City of Goleta	N/A	No	No
Other Historical Sources	No	N/A	N/A	N/A	N/A
Miscellaneous Maps/Plans	No	N/A	N/A	N/A	N/A
Newspapers	No	N/A	N/A	N/A	N/A
Records	No	N/A	N/A	N/A	N/A
Other Directories/ Phone books	No	N/A	N/A	N/A	N/A

Based on the above information and sources searched above, per ASTM E 1527-13 historical use information is deemed sufficient to comply with ASTM E 1527-13 due to data failure. No significant historical use information data gaps were identified.

7.0 INTERVIEWS

The objective of interviews is to obtain information indicating Recognized Environmental Conditions in connection with the subject property as well as AULs. Property Solutions interviewed or made good faith efforts to interview the following:

Represents	Interviewed	Name and title	Comments
Current Property Owner	No	Mr. Michael Towbes	User did not coordinate or facilitate the interview.
Previous Property Owner	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Current Property Owner Representative	Yes	Ms. Linda Blackburn, Senior Project Analyst	Ms. Blackburn noted the presence of various imported fill zones throughout the subject property, and coordinated the delivery of previous environmental and geotechnical reports.
Previous Property Owner Representative	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Key Site Manager	Yes	Mr. Derek Hanson, Vice President of Construction	Mr. Hanson was aware of concerns regarding the quality of soils present on the subject property. He indicated that the fill soil on the north and northeast portions of the subject property was imported from the adjacent Willow Spring apartment property located to the south.
Previous Key Site Manager	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Current Property Occupants	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Previous Property Occupants	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Current Property Major Occupant	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Previous Property Major Occupant	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Current Property Operator	Yes	Mr. Derek Hanson, Vice President of Construction	Mr. Hanson was aware of concerns regarding the quality of soils present on the subject property. He indicated that the fill soil on the north and northeast portions of the subject property was imported from the adjacent Willow Spring apartment property located to the south.

Represents	Interviewed	Name and title	Comments
Previous Property Operator	No	Not applicable	User did not provide name or contact information nor did they coordinate or facilitate the interview.
Neighboring Property Owner	No	Not applicable	Subject property is not considered an abandoned property where there is evidence of potential unauthorized uses of the abandoned property or evidence of uncontrolled access to the abandoned property, therefore no interview with the neighboring property occupants was performed.
Neighboring Property Occupants	No	Not applicable	Subject property is not considered an abandoned property where there is evidence of potential unauthorized uses of the abandoned property or evidence of uncontrolled access to the abandoned property, therefore no interview with the neighboring property occupants was performed.

8.0 ENVIRONMENTAL RECORD SEARCH

8.1 Property-Specific Records

During the course of the assessment of the subject property, Property Solutions contacted the following local, county, and state agencies and companies via phone, letter, or in person.

8.1.1 Department of Health

Agency name	Santa Barbara Environmental Health Service
Contact name	Ms. Rachel Moreno
Contact title	Not provided
City	Santa Barbara
State	CA
Contact date	July 28, 2014
Request medium	Faxed
Response date	July 30, 2014
Form of response	Faxed response

Response: No files on record.

Agency name	Santa Barbara County APCD
Contact name	Ms. Paula Iorio
Contact title	Permit Technician
City	Santa Barbara
State	CA
Contact date	July 28, 2014
Request medium	Faxed

Response date	August 11, 2014
Form of response	Fax

Response: No files on record.

8.1.2 Fire Department

Agency name	Fire Station 11
Contact name	Not provided
Contact title	Not provided
City	Goleta
State	CA
Contact date	July 28, 2014
Request medium	Faxed request
Response date	Pending
Form of response	Pending

Response: A response has not been received at the time of this report.

8.1.3 Planning/Zoning Department

Agency name	Goleta Permits
Contact name	Not provided
Contact title	Not provided
City	Goleta
State	CA
Contact date	July 28, 2014
Request medium	Faxed request
Response date	Pending
Form of response	Pending

Response: A response has not been received at the time of this report.

8.1.4 Building Department/Inspection Department

Agency name	Goleta Permits
Contact name	Not provided
Contact title	Not provided
City	Goleta
State	CA
Contact date	July 28, 2014
Request medium	Faxed request
Response date	Pending
Form of response	Pending

Response: A response has not been received at the time of this report.

8.1.5 Tax Assessor/Tax Department

Agency name	Santa Barbara County Assessor
Contact name	Mr. Joseph E. Holland
Contact title	Assessor
City	Santa Barbara
State	CA
Contact date	July 28, 2014
Request medium	Oline
Response date	Not applicable
Form of response	Not applicable

Response: Property Solutions visited the Assessor webpage, <http://www.sbcvote.com/Assessor/AssessorHours.aspx>, on July 28 2014. The Tax Source webpage provided Property Solutions with a copy of a tax map for the subject property and the surrounding area and copies of the tax information cards for the subject property.

Based on Property Solutions review of the tax map and tax information cards: the subject property is identified as APN 073-060-031 to 043; the subject property consists of an irregular-shaped, 16.2-acre, undeveloped site. The subject property was acquired by the subject property owner in 1999.

A copy of the tax map is included in Appendix A.

8.1.6 Electric Utility

The subject property is undeveloped and not connected to a power system.

8.1.7 Sewer Department/Provider

The subject property is undeveloped and not connected to the municipal sanitary sewerage system.

8.1.8 Water Department/Supplier

Agency name	Goleta Water District
Contact name	Mr. Jim Heaton
Contact title	Senior Water Resources Analyst
City	Goleta
State	CA
Contact date	July 28, 2014
Request medium	Email
Response date	July 31, 2014
Form of response	Letter

Response: A Preliminary Water Services Determination letter has been submitted for water service to the future residential development planned at the subject property.

8.1.9 Others

Agency name	California Department of Resources Recycling and Recovery (CalRecycle)
Contact name	Ms. Dona Sturgess
Contact title	Senior Legal Analyst
City	Sacramento
State	CA
Contact date	July 28, 2014
Request medium	Email
Response date	July 19, 2014
Form of response	E-mail

Response: No records on file.

Agency name	Office of Environmental Health Hazard Assessment
Contact name	Ms. Monet Vela
Contact title	Not provided
City	Sacramento
State	CA
Contact date	July 28, 2014
Request medium	Email
Response date	July 19, 2014
Form of response	E-mail

Response: No records on file.

Agency name	Department of Toxic Substances Control – Cypress Region
Contact name	Not provided
Contact title	Not provided
City	Cypress
State	CA
Contact date	July 28, 2014
Request medium	Email
Response date	Pending
Form of response	Pending

Response: A response has not been received at the time of this report.

8.1.10 State Environmental Agency

Agency name	California EPA – State Water Resources Control Board – Central Coast Region
Contact name	Not provided
Contact title	Not provided
City	San Luis Obispo
State	CA
Contact date	July 28, 2014
Request medium	Fax
Response date	Pending
Form of response	Pending

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29

Response: A response has not been received at the time of this report.

8.1.11 State Online Database Information/GIS

Agency name	State Water Resources Control Board
Contact name	Not applicable
Contact title	Not applicable
City	Sacramento
State	CA
Contact date	August 4, 2014
Request medium	Online
Response date	August 4, 2014
Form of response	Online

Response: The subject property was not listed within this database.

At the time this report was prepared, some of the above local, county, and state agencies and companies had not responded to our information request as indicated.

According to ASTM E 1527-13, Section 8.1.5, information that has been requested must be reasonably ascertainable as part of performing the Phase I Environmental Assessment. Information that is reasonably ascertainable per ASTM means that information will be provided by the source within 20 calendar days of receiving a written, telephone, or in-person request.

Copies of the letters and records of communication are included in Appendix I.

8.1.12 USEPA Envirofacts

Property Solutions contacted the United States Environmental Protection Agency (USEPA) through an on-line search via the Internet to obtain information concerning the subject property. Property Solutions performed a search of Envirofacts, a USEPA-generated website that integrates data extracted from five major USEPA program systems: Aerometric Information Retrieval System (AIRS)/AIRS Facility Subsystem (AFS), Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS), Permit Compliance System (PCS), Resource Conservation and Recovery Information System (RCRIS) and Toxic Chemical Release Inventory System (TRIS), using two integrating databases: Facility Index System (FINDS) and Envirofacts Master Chemical Integrator (EMCI).

Property Solutions generated a printout of all facilities under the programs identified above that are located within the subject property's zip code (93117). The subject property and adjoining properties were not listed among the sites identified during the query search. The query was executed on July 28, 2014.

A copy of the search results is included in Appendix I.

8.2 Environmental Database Information

As part of the Phase I Environmental Assessment, Property Solutions utilized Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut, as an information source for regulatory agency environmental database records. The environmental database was dated July 29, 2014

Data supplied by EDR is included in Appendix J. This database also includes the required documentation of sources checked as per Section 8.1.8 of the ASTM standard.

The following summary of the database information is divided into two columns. The first column lists sites as identified and located by EDR within the specified distance of the subject property. The second column lists orphan sites, which could not be located by EDR due to incomplete and/or inaccurate address information included in the United States Environmental Protection Agency (USEPA)/state databases, which Property Solutions identified as potentially lying within the search distance.

Although the exact locations of the orphan sites are frequently unknown, Property Solutions attempts to evaluate the potential adverse environmental impact that these sites may have on the subject property. This evaluation consists of reviewing street names in an effort to learn whether the street on which the site is located lies within the search distance of the subject property, a drive-by view of surrounding properties during the site visit, and evaluating the site type and information provided by government agencies. The orphan sites included in the following table are those Property Solutions identified as potentially located within the identified search distance. A complete list of sites is included in Appendix J.

Environmental Database Summary

Database	Search Distance	Plottable	Orphan
National Priorities List	1 Mile	0	0
State/Tribal Hazardous Waste Sites	1 Mile	6	0
RCRA Corrective Action Treatment/Storage/Disposal (TSD) Facilities (CORRACTS)	1 Mile	2	0
Delisted National Priorities List	½ Mile	0	0
CERCLIS Sites	½ Mile	0	0
CERCLIS No Further Remedial Action Planned (NFRAP) Sites	½ Mile	2	0
RCRA Non-Corrective Action TSD Facilities	½ Mile	2	0
State/Tribal Voluntary Cleanup Sites	½ mile	0	0
State/Tribal Brownfield Sites/CERCLIS Equivalent	½ mile	0	0
State/Tribal Leaking Registered Storage Tank Sites	½ Mile	19	0
State/Tribal Solid Waste Landfill Sites/Facilities	½ Mile	0	0
Historic Landfills	½ Mile	0	0

Database	Search Distance	Plottable	Orphan
Federal/State/Tribal Engineering Controls Registries	½ Mile	0	0
Federal/State/Tribal Institutional Controls Registries	½ Mile	0	0
RCRA Large Quantity Generators	Subject Property and Adjoining Properties	0	0
RCRA Small Quantity Generators	Subject Property and Adjoining Properties	0	0
State/Tribal Registered Storage Tank Sites	Subject Property and Adjoining Properties	0	0
Manifest	Subject Property	0	0
Spill/Release Sites	Subject Property	10	0
Facility Index System (FINDS)	Subject Property	0	0
Emergency Response Notification System	Subject Property	0	0

Database Summary

A complete copy of the database report is attached as an appendix to this report. Those sites noted within the search radius with a closed status from regulators, or not listed with known, documented, or suspected release sites will not be discussed below but can be referred to in the database report. The above sites are not expected to significantly impact the subject property based on the regulatory status listed. In addition, those remaining sites which are expected to be hydraulically downgradient, at a sufficient distance from the subject property, or due to the urban setting and density of the area, will not be discussed below but can be referred to in the database report. These above sites are not expected to significantly impact the subject property based on the above factors and as per ASTM E 1527-13.

The following is a discussion of the database findings:

Subject and Adjoining Properties

The subject property and adjoining properties were not listed in the environmental database. The subject property and adjoining properties were not listed in the non-ASTM databases that were searched in the EDR database.

The potential for obvious vapor encroachment from volatile organic compounds and petroleum products on the subject property or from nearby properties listed in the above databases with known or suspected releases was evaluated.

No activity and use limitations at the subject property indicating vapor encroachment was identified during this assessment.

Based on standard sources reviewed in Section 8.0 and observations made during the property visit, significant releases of chemicals of concern may have occurred on the subject property. Significant releases of chemicals of concern have occurred on the adjacent properties.

No further action is recommended at this time. Because of its depth, the soil that is noted with a “slight hydrocarbon odor” in the Soils Material Report dated July 20, 2010, appears to be a de minimis condition.

Property Solutions understands from conversation with The Towbes Group, Inc. that the subject property is proposed for residential development, and that the City of Santa Barbara and the Regional Water Quality Control Board are expected to issue directives regarding the management of environmental issues, including soils. Property Solutions also understands that management of soil piles is ongoing at this time, and that the preparation of a Soil Management Plan is anticipated for the development project.

Property Solutions recommends that the property owner coordinate environmental activities with the City of Santa Barbara and the Regional Water Quality Control Board so that development can be completed in accordance with regulatory requirements

8.3 Local Lists

The below local types of records were researched or requested from third parties, the Key Site Manager or local regulatory agencies:

- Local Brownfield Lists
- Local Lists of Landfill/Solid Waste Disposal Sites
- Local Lists of Hazardous Waste/Contaminated Sites
- Local Lists of Registered Storage Tanks
- Local Land Records (For AULs)
- Records of Emergency Release Reports
- Records of Contaminated Public Wells

The above information is discussed in Sections 8.1 and in 8.2, and was duplicative of those sections.

8.4 Database Proprietary Lists

The subject property and adjoining properties were not listed in the EDR proprietary information searched in the EDR database.

9.0 PROPERTY VISIT

Property Visit Date	August 4, 2015
Property Solutions Personnel and Title	Mr. Marc Hachey, PG, CEG
Property Escort Name	None provided
Property Escort Title	Not applicable
Property Escort Company	Not applicable
Property Escort Affiliation	Not applicable
Property Escort Years of Association with Subject Property: Not applicable	
No presurvey questionnaire (PQ) was completed.	
Person Completing PQ Name	Not applicable
Person Completing PQ Company	Not applicable
Person Completing PQ Affiliation	Not applicable
Inaccessible Areas and Reason:	
Weather Conditions: Overcast	Approximate Temperature: 80 degrees F
No weather conditions limiting observations were noted.	
Describe Limiting Conditions Present: None	

Property Solutions observed all areas during the property visit.

Property Solutions was not provided an escort during the property visit, which is considered a limitation to the property visit.

Photographs taken during the property visit are included in Appendix C.

9.1 ASTM Scope Considerations

9.1.1 Underground Storage Tanks

No evidence of underground storage tanks (USTs) was observed on the subject property during the property visit.

Based upon the above information, no further action is recommended.

9.1.2 Aboveground Storage Tanks

No aboveground storage tanks (ASTs) were observed on the subject property during the property visit.

Based upon the above information, no further action is recommended.

9.1.3 Polychlorinated Biphenyl-Containing Electrical Equipment

A visual review was conducted for the presence of electrical equipment that could contain polychlorinated biphenyls (PCBs), an environmentally regulated material used in dielectric fluid in some electrical equipment.

No transformers, capacitors, or large switch gear equipment were observed on the subject property during the property visit.

Based upon the above information, no further action is recommended.

9.1.4 Hydraulic Equipment

No evidence of hydraulic equipment was observed on the subject property during the property visit.

Based upon the above information, no further action is recommended.

9.1.5 Chemical, Hazardous Materials, and Raw Materials Storage and Usage

Chemicals stored on the subject property are minimal quantities of domestic cleaning chemicals and paints. No hazardous materials were observed within the temporary construction site at the northwest property corner, and approximately 30 five-gallon paint containers and two 5-gallon containers of caulk were observed stored near the trailers at the center of the site. Some minor paint spillage was observed. A portable diesel-fired emergency generator was also present. No evidence of a fuel release was observed.

Property Solutions recommends that the area be periodically viewed for possible releases of hazardous substances. A final walkthrough should be performed immediately upon the contractor's departure.

9.1.6 Waste Generation, Storage, and Disposal

No evidence of hazardous waste generation, storage, or disposal was observed during the property visit.

Based upon the above information, no further action is recommended.

9.1.7 Wells, Sumps, Pits, and Floor Drains

No wells, sumps, pits, or floor drains were observed on the property during the property visit.

Based upon the above information, no further action is recommended.

9.1.8 Stormwater Runoff and Surface Water

The subject property is unimproved. Stormwater runoff is expected to exit the subject property via overland flow and enter the municipal stormwater collection system via storm drains located within the subject property's parking areas and along local roadways. Stormwater is also expected to percolate through the landscaped areas.

The 1972 Amendments to the Federal Water Pollution Control Act (commonly known as the Clean Water Act [CWA]) prohibit the discharge of any pollutant to waters of the United States from a point source unless the discharge is authorized by a National Pollutant Discharge Elimination System (NPDES) permit. In 1987, the CWA was again amended by Congress to require implementation of a comprehensive national program for addressing problematic non-agricultural, non-point sources of stormwater discharge. The rules and regulations of the NPDES program are included in 40 CFR 122.26.

Stormwater permitting for a property is based on the property's Standard Industrial Classification (SIC) Code (category of industrial activity). However, the NPDES program includes a "no exposure" exemption for facilities within an applicable category of industrial activity. Based on 40 CFR 122.26 B(14), the subject property must obtain an NPDES Stormwater Discharge Permit only if material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, or industrial machinery is exposed to stormwater. As materials and activities described above are not associated with the subject property, stormwater permitting is not expected to be applicable at this time.

No surface water bodies (i.e., springs or swamps) were observed on the subject property.

Based upon the above information, stormwater runoff and surface water are not expected to be environmental concerns at this time. No further action is recommended at this time.

9.1.9 Lagoons, Ponds, Septic Systems, and Separators

No evidence of lagoons, ponds septic systems, or separators was observed on the subject property during the property visit.

Based upon the above information, no further action is recommended.

9.1.10 Stressed Vegetation, Staining, and Odors

No evidence of stressed vegetation, staining, or odors was noted on the subject property during the property visit.

Based upon the above information, no further action is recommended.

9.1.11 Surficial Disturbance

No evidence of surficial disturbances was observed on the subject property during the property visit, other than the soil piles.

Based upon the above information, no further action is recommended at this time.

9.1.12 On-Property Dry Cleaners

No dry cleaning operations were observed at the subject property at the time of the property visit. Ms. Linda Blackburn was not aware of dry cleaning operations at the subject property.

No dry cleaners were identified during the historical review of the subject property. Ms. Linda Blackburn was unaware of historical dry cleaning operations at the subject property.

9.2 ASTM Non-Scope Considerations

9.2.1 Asbestos-Containing Materials

No buildings were present on the subject property at the time of the property visit.

Based upon the above information, no further action is recommended at this time.

9.2.2 Radon

According to information provided by EDR, Santa Barbara County is located in radon Zone 1 (high potential). State of California information states that 48 of 312 radon tests conducted in the subject property zip code exceeded the USEPA-recommended action level of 4.0 picoCuries per liter (pCi/L). Federal information states that for 13 sites tested in the subject property zip code, the average radon activity for first-floor living areas was 2.915 pCi/L. Property Solutions understands that the subject property is proposed for the construction of slab-on-grade residential buildings.

The USEPA recommends in its guidance documents entitled A Citizen's Guide to Radon (May 1992) and Home Buyer's and Seller's Guide to Radon (March 1993) that if radon results are higher than the action level of 4.0 pCi/L, a follow-up, long-term test or a second short-term test should be conducted. For a better understanding of the year-round average radon level, the USEPA recommends long-term, follow-up testing.

Property Solutions recommends that radon be taken into consideration when designs are being prepared for the proposed residential buildings.

9.2.3 Lead-Based Paint

No buildings were present on the subject property at the time of the property visit.

Based upon the above information, no further action is recommended at this time.

9.2.4 Lead in Drinking Water

Drinking water for the surrounding area is provided by Goleta Water District. The Goleta Water District was required to perform system-wide lead screening of their water system starting in 1992, under the USEPA "Lead and Copper Regulations" (Federal Register Volume 56, No. 26460). These regulations, promulgated in June 1991, require public water systems to perform screening and provide for public notification and corrective action to reduce the lead hazards present in the water system.

According to the 2012 Consumer Confidence Report, the public water supply has met the 90th percentile for the lead action level of 15 parts per billion (ppb), and is currently in compliance with the USEPA's Lead and Copper Regulations.

9.2.5 Potential Wetlands

No evidence of wetland areas was observed on the subject property during the property visit. Review of the United States Department of the Interior, National Wetland Inventory map of Goleta, CA, revealed that no delineated wetlands are located on the subject property.

Based upon the above information, wetland areas are not expected to be an environmental concern at this time. No further action is recommended.

A copy of the wetland map is included in Appendix A.

9.2.6 Air Emissions

No major air emissions sources were identified at the subject property during the property visit.

Based upon the above information, no further action is recommended.

9.2.7 Mold/Water Intrusion

No buildings were present on the subject property at the time of the property visit.

Based upon the above information, no further action is recommended at this time.

10.0 CONCLUSIONS AND RECOMMENDATIONS

We have performed a Phase I Environmental Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of Heritage Ridge Development located northeast of South Los Carneros and Calle Koral in Goleta, Santa Barbara County, CA 93117. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property.

De minimis conditions are a condition that generally does not present a threat to human 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. The following de minimis condition was identified at the subject property based on the findings provided in this report:

- (1) Imported fill is located on the subject property. Property Solutions reviewed the following reports and correspondence:
 - In their Phase I Environmental Site Assessment report dated April 2, 1999, Dames & Moore noted the presence of large piles of fill soil on Property Solutions' subject property. The source of the fill was not identified. No discolored soil was noted. Dames & Moore did not identify the fill as a recognized environmental condition, and made no recommendations for further action.
 - In their Report of Soil Removal dated August 12, 2004, Earth Systems Pacific documented the removal of approximately 130 cubic yards of hydrocarbon-contaminated soil (diesel fuel or fuel oil) that had mistakenly been deposited on Property Solutions' subject property. The removal action included the collection and analysis of post-excavation soil samples in order to evaluate the adequacy of the remedial action. A total of 400 cubic yards of soil was transported for off-property disposal. Earth System Pacific concluded that the remedial action was adequate.
 - In their Soils Material Report dated July 20, 2010, Earth Systems Pacific noted a "slight hydrocarbon odor" in the logs for all five soil borings advanced on the southwestern arm of Property Solutions' subject property for geotechnical engineering purposes. Earth Systems Pacific's A-A' cross section, which extends for more than 600 feet from northeast to southwest across the investigated area, identifies a "slight hydrocarbon odor" from an upper depth of 10 to 15 feet below ground extending to a lower depth of 16 to 25 feet below ground surface. Earth Systems Pacific's B-B' cross section, which extends for more than 800 feet from north to south across the investigated area, also identifies a "slight hydrocarbon odor" from an upper depth of 10 to 15 feet below ground extending to a lower depth of 16 to 25 feet below ground surface.

- In their Geotechnical Engineering Report dated July 8, 2014, Earth Systems Pacific noted that groundwater on the subject property occurred at depths as shallow as 22.5 feet below ground surface.
- In their Results of Soil Analysis, Northwest Stockpile dated August 1, 2014, Earth Systems Pacific noted the presence of stained and odorous soils, which, in their estimation, that might render the soil undesirable for use at a property that is to be developed as a school, hospital, or residence. Earth Systems Pacific also reported that laboratory analysis did not identify concentrations of target compounds that would preclude the use of the soils for fill at properties proposed for other uses.

On the basis of the documentation reviewed, Property Solutions concludes that various areas of the subject property have experienced the delivery and removal of contaminated soils over a period of years. Because of its depth, the soil that is noted with a “slight hydrocarbon odor” in the Soils Material Report dated July 20, 2010, appears to be a de minimis condition.

Property Solutions understands from conversation with The Towbes Group, Inc. that the subject property is proposed for residential development, and that the City of Santa Barbara and the Regional Water Quality Control Board are expected to issue directives regarding the management of environmental issues, including soils. Property Solutions also understands that management of soil piles is ongoing at this time, and that the preparation of a Soil Management Plan is anticipated for the development project.

Property Solutions recommends that the property owner coordinate environmental activities with the City of Santa Barbara and the Regional Water Quality Control Board so that development can be completed in accordance with regulatory requirements.

ASTM non-scope considerations are business environmental risks that are not included in the ASTM 1527-13 scope of work. The following ASTM non-scope consideration was identified at the subject property based on the findings provided in this report:

- (2) At the time of the property visit, the subject property was being used as an unpaved construction yard. A portable diesel-fired emergency generator was present. No evidence of a fuel release was observed.

Property Solutions recommends that the area be periodically viewed for possible releases of hazardous substances. A final walkthrough should be performed immediately upon the contractor’s departure.

- (3) According to information provided by EDR, Santa Barbara County is located in radon Zone 1 (high potential). State of California information states that 48 of 312 radon tests conducted in the subject property zip code exceeded the USEPA-recommended action level of 4.0 picoCuries per liter (pCi/L). Federal information states that for 13 sites tested in the subject property zip code, the average radon activity for first-floor living areas was

2.915 pCi/L. Property Solutions understands that the subject property is proposed for the construction of slab-on-grade residential buildings.

Property Solutions recommends that radon be taken into consideration when designs are being prepared for the proposed residential buildings.

11.0 REFERENCES

11.1 Information Sources

1. United States Geological Survey's 7.5-minute topographic quadrangle map of Goleta, CA.
2. United States Department of Agriculture, Soil Conservation Services' Soil Survey of Santa Barbara, State.
3. Geologic Map of California – Los Angeles Sheet produced by the California Division of Mines and Geology.
4. United States Department of the Interior, National Wetland Inventory Map for Goleta, CA.
5. National Water Summary 1986 – Hydrologic Events and Groundwater Quality, dated 1988, produced by the United States Geological Survey.
6. Goleta Water District's 2012 Consumer Confidence Report.
7. USEPA's Map of Radon Zones produced by the USEPA.
8. Aerial photographs provided by Environmental Data Resources, Inc.
9. Fire insurance maps, provided by Environmental Data Resources, Inc.
10. The EDR Radius Map with GeoCheck, produced by Environmental Data Resources, Inc.
11. Envirofacts Data Warehouse, produced by USEPA.
12. Final Report, Phase I Environmental Site Assessment, prepared by Dames and Moore, dated April 2, 1999
13. Report of Soil Removal, prepared by Earth Systems Pacific, dated August 12, 2004
14. Willow Spring Soil Stockpile, prepared by Geosyntec Consultants, dated January 8, 2007
15. Soils Materials Report, prepared by Earth Systems Pacific, dated July 20, 2010
16. Geotechnical Engineering Report, prepared by Earth Systems Pacific, dated July 8, 2014
17. Results of Soil Analysis, prepared by Earth Systems Pacific, dated August 1, 2014

11.2 Definitions

Abandoned property – property that can be presumed to be deserted, or an intent to relinquish possession or control can be inferred from the general disrepair or lack of activity thereon such that a reasonable person could believe that there was an intent on the part of the current owner to surrender rights to the property.

Activity and use limitations – legal or physical restrictions or limitations on the use of, or access to, a site or facility: (1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil, soil vapor, groundwater, and/or surface water on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment.

These legal or physical restrictions, which may include institutional and/or engineering controls, are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil, soil vapor, groundwater, and/or surface water on the property. See Note 1.

NOTE 1—The term *AUL* is taken from Guide E2091 to include both legal (that is, institutional) and physical (that is, engineering) controls within its scope. Other agencies, organizations, and jurisdictions may define or utilize these terms differently (for example, EPA and California do not include physical controls within their definitions of “*institutional controls*.” Department of Defense and International County/City Management Association use “Land Use Controls.” The term “land use restrictions” is used but not defined in the *Brownfields Amendments*).

Actual knowledge – the knowledge actually possessed by an individual who is a real person, rather than an entity. Actual knowledge is to be distinguished from constructive knowledge that is knowledge imputed to an individual or entity.

Actual Knowledge Exception – If the user or environmental professional(s) conducting an environmental site assessment has actual knowledge that the information being used from a prior environmental site assessment is not accurate or if it is obvious, based on other information obtained by means of the environmental site assessment or known to the person conducting the environmental site assessment, that the information being used is not accurate, such information from a prior environmental site assessment may not be used.

Adjoining properties – any real property or properties the border of which is contiguous or partially contiguous with that of the property, or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them.

All appropriate inquiries – that inquiry constituting all appropriate inquiries into the previous ownership and uses of the property consistent with good commercial and customary practice as defined in CERCLA, 42 U.S.C §9601(35)(B), that will qualify a party to a commercial real estate transaction for one of the threshold criteria for satisfying the LLPs to CERCLA liability (42 U.S.C §9601(35)(A) & (B), §9607(b)(3), §9607(q); and §9607(r)), assuming compliance with other elements of the defense. See ASTM 1527-13 Appendix X1.

Approximate minimum search distance – the area for which records must be obtained and reviewed pursuant to Section 8 subject to the limitations provided in that section. This may include areas outside the property and shall be measured from the nearest property boundary. This term is used in lieu of radius to include irregularly shaped properties.

Bona fide prospective purchaser liability protection – (42 U.S.C. §9607(r))—a person may qualify as a bona fide prospective purchaser if, among other requirements, such person made “all appropriate inquiries into the previous ownership and uses of the facility in accordance with generally accepted good commercial and customary standards and practices.” Knowledge of contamination resulting from all appropriate inquiries would not generally preclude this liability protection. A person must make all appropriate inquiries on or before the date of purchase. The facility must have been purchased after January 11, 2002. See ASTM E 1527-13, Appendix X1 for the other necessary requirements that are beyond the scope of this practice.

Business environmental risk – a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations, some of which are identified in ASTM E 1527-13, Section 13.

Comparison with Subsequent Inquiry – It should not be concluded or assumed that an inquiry was not all appropriate inquiries merely because the inquiry did not identify recognized environmental conditions in connection with a property. Environmental site assessments must be evaluated based on the reasonableness of judgments made at the time and under the circumstances in which they were made. Subsequent environmental site assessments should not be considered valid standards to judge the appropriateness of any prior assessment based on hindsight, new information, use of developing technology or analytical techniques, or other factors.

Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) – the list of sites compiled by EPA that EPA has investigated or is currently investigating for potential hazardous substance contamination for possible inclusion on the National Priorities List.

Controlled recognized environmental condition – a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). (See Note 2.) A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report. (See Note 3.)

Note 2-For example, if a leaking underground storage tank has been cleaned up to a commercial use standard, but does not meet unrestricted residential cleanup criteria, this would be considered a controlled recognized environmental condition. The “control” is represented by the restriction that the property use remain commercial.

Note 3-A condition identified as a controlled recognized environmental condition does not imply that the environmental professional has evaluated or confirmed the adequacy, implementation, or continued effectiveness of the required control that has been, or intended to be, implemented.

Construction debris – concrete, brick, asphalt, and other such building materials discarded in the construction of a building or other improvement to property.

Contiguous property owner liability protection – (42 U.S.C. §9607(q))—a person may qualify for the contiguous property owner liability protection if, among other requirements, such person owns real property that is contiguous to, and that is or may be contaminated by hazardous substances from other real property that is not owned by that person. Furthermore, such person conducted all appropriate inquiries at the time of acquisition of the property and did not know or have reason to know that the property was or could be contaminated by a release or threatened release from the contiguous property. The all appropriate inquiries must not result in knowledge of contamination. If it does, then such person did “know” or “had reason to know” of contamination and would not be eligible for the contiguous property owner liability protection. See ASTM E 1527-13, Appendix X1 for the other necessary requirements that are beyond the scope of this practice.

Continued Viability of Environmental Site Assessment – Subject to ASTM E 1527-13, Section 4.8, an environmental site assessment meeting or exceeding this practice and completed less than 180 days prior to the date of acquisition⁵ of the property or (for transactions not involving an acquisition) the date of the intended transaction is presumed to be valid.⁶ If within this period the assessment will be used by a user different than the user for whom the assessment was originally prepared, the subsequent user must also satisfy the User’s Responsibilities in ASTM E 1527-13, Section 6. Subject to Section 4.8 and the User’s Responsibilities set forth in ASTM E 1527-13, Section 6, an environmental site assessment meeting or exceeding this practice and for which the information was collected or updated within one year prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction may be used provided that the following components of the inquiries were conducted or updated within 180 days of the date of purchase or the date of the intended transaction: (i) interviews with owners, operators, and occupants; (ii) searches for recorded environmental cleanup liens; (iii) reviews of federal, tribal, state, and local government records; (iv) visual inspections of the property and of adjoining properties; and (v) the declaration by the environmental professional responsible for the assessment or update.

⁵ Under “*All Appropriate Inquiries*” 40 C.F.R. Part 312, EPA defines date of acquisition as the date on which a person acquires title to the *property*.

⁶ Subject to meeting the other requirements set forth in this section, for purpose of the *LLPs*, information collected in an assessment conducted prior to the effective date of the federal regulations for *All Appropriate Inquiries* or this practice can be used if the information was generated as a result of procedures that meet or exceed the requirements of the E 1527-97 or -00 standards.

Contractual Issues Regarding Prior Assessment Usage – The contractual and legal obligations between prior and subsequent users of environmental site assessments or between environmental professionals who conducted prior environmental site assessments and those who would like to use such prior environmental site assessments are beyond the scope of this practice.

Data failure – a failure to achieve the historical research objectives in ASTM E 1527-13, §8.3.1 through 8.3.2.2 even after reviewing the standard historical sources in §8.3.4.1 through 8.3.4.8 that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap. See ASTM E 1527-13, 8.3.2.3.

Data gap – a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.). See ASTM E 1527-13 12.7.

De minimis Condition - a condition that generally does not present a threat to human 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. Conditions determined to be de minimis conditions are not recognized environmental conditions nor controlled recognized environmental conditions.

Demolition debris – concrete, brick, asphalt, and other such building materials discarded in the demolition of a building or other improvement to property.

Engineering controls (EC) – physical modifications to a site or facility (for example, capping, slurry walls, or point of use water treatment) to reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or groundwater on the property. Engineering controls are a type of activity and use limitation (AUL).

Environmental lien – a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 U.S.C. §§9607(1) & 9607(r) and similar state or local laws.

Environmental professional – a person meeting the education, training, and experience requirements as set forth in 40 CFR §312.10(b). See ASTM E 1527-13 Appendix X2. The person may be an independent contractor or an employee of the user.

Fill dirt – dirt, soil, sand, or other earth, that is obtained off-site, that is used to fill holes or depressions, create mounds, or otherwise artificially change the grade or elevation of real property. It does not include material that is used in limited quantities for normal landscaping activities.

Good faith – the absence of any intention to seek an unfair advantage or to defraud another party; an honest and sincere intention to fulfill one’s obligations in the conduct or transaction concerned.

Hazardous substance – a substance defined as a hazardous substance pursuant to CERCLA 42 U.S.C. §9601(14), as interpreted by EPA regulations and the courts:“ (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 the characteristics identified under or listed pursuant to section 3001 of the Resource

Conservation and Recovery Act of 1976 (RCRA), as amended, (42 U.S.C. §6921) (but not including any waste the regulation of which under RCRA (42 U.S.C. §§6901 et seq.) has been suspended by Act of Congress), (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 (42 U.S.C. §7412), and (F) any imminently hazardous chemical substance or mixture with respect to which the Administrator (of EPA) has taken action pursuant to section 2606 of Title 15. The term does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).” (See ASTM E 1527-13, Appendix X1.)

Hazardous waste – any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of RCRA, as amended, (42 U.S.C. §6921) (but not including any waste the regulation of which under RCRA (42 U.S.C. §§6901-6992k) has been suspended by Act of Congress). RCRA is sometimes also identified as the Solid Waste Disposal Act. RCRA defines a hazardous waste, at 42 U.S.C. §6903, 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.”

Hazardous waste/contaminated sites – sites on which a release has occurred, or is suspected to have occurred, of any hazardous substance, hazardous waste, or petroleum products, and that release or suspected release has been reported to a government entity.

Historical recognized environmental condition – a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition.

IC/EC registries – databases of institutional controls or engineering controls that may be maintained by a federal, state or local environmental agency for purposes of tracking sites that may contain residual contamination and AULs. The names for these may vary from program to program and state to state, and include terms such as Declaration of Environmental Use Restriction database (Arizona), list of “deed restrictions” (California), environmental real

covenants list (Colorado), brownfields site list (Indiana, Missouri) and the Pennsylvania Activity and Use Limitation (PA AUL) Registry.

Innocent landowner defense – (42 U.S.C. §§9601(35) & 9607(b)(3)) – a person may qualify as one of three types of innocent landowners: (i) a person who “did not know and had no reason to know” that contamination existed on the property at the time the purchaser acquired the property; (ii) a government entity which acquired the property by escheat, or through any other involuntary transfer or acquisition, or through the exercise of eminent domain authority by purchase or condemnation; and (iii) a person who “acquired the facility by inheritance or bequest.” To qualify for the innocent landowner defense, such person must have made all appropriate inquiries on or before the date of purchase. Furthermore, the all appropriate inquiries must not have resulted in knowledge of the contamination. If it does, then such person did “know” or “had reason to know” of contamination and would not be eligible for the innocent landowner defense. See ASTM E 1527-13, Appendix X1 for the other necessary requirements that are beyond the scope of this practice.

Institutional controls (IC) – a legal or administrative restriction (for example, “deed restrictions,” restrictive covenants, easements, or zoning) on the use of, or access to, a site or facility to (1) reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. An institutional control is a type of Activity and Use Limitation (AUL).

Interviews – those portions of ASTM E 1527-13 practice that are contained in Section 10 and 11 thereof and address questions to be asked of past and present owners, operators, and occupants of the property and questions to be asked of local government officials.

Key site manager – the person identified by the owner or operator of a property as having good knowledge of the uses and physical characteristics of the property. See ASTM E 1527-13, 10.5.1.

Landowner Liability Protections (LLPs) – landowner liability protections under CERCLA; these protections include the bona fide prospective purchaser liability protection, contiguous property owner liability protection, and innocent landowner defense from CERCLA liability. See 42 U.S.C. §§9601(35)(A), 9601(40), 9607(b), 9607(q), 9607(r).

Level of Inquiry is Variable – Not every property will warrant the same level of assessment. Consistent with good commercial and customary practice, the appropriate level of environmental site assessment will be guided by the type of property subject to assessment, the expertise and risk tolerance of the user, and the information developed in the course of the inquiry.

Major occupants – those tenants, subtenants, or other persons or entities each of which uses at least 40 % of the leasable area of the property or any anchor tenant when the property is a shopping center.

Material threat – a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional, is threatening and might result in impact to public health or the environment. An example might include an aboveground storage tank system that contains a hazardous substance and which shows evidence of damage. The damage would represent a material threat if it is deemed serious enough that it may cause or contribute to tank integrity failure with a release of contents to the environment.

Migrate/migration – for the purposes of this practice, “migrate” and “migration” refers to the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface. See Note 4.

Note 4-Vapor migration in the subsurface is described in Guide E2600; however, nothing in this practice should be construed to require application of the Guide E2600 standard to achieve compliance with all appropriate inquiries.

Not Exhaustive – All appropriate inquiries does not mean an exhaustive assessment of a property. There is a point at which the cost of information obtained or the time required to gather it outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. One of the purposes of this practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an environmental site assessment and the reduction of uncertainty about unknown conditions resulting from additional information.

Obvious – that which is plain or evident; a condition or fact that could not be ignored or overlooked by a reasonable observer while visually or physically observing the property.

Occupants – those tenants, subtenants, or other persons or entities using the property or a portion of the property.

Operator – the person responsible for the overall operation of a facility.

Owner – generally the fee owner of record of the property.

Petroleum exclusion – the exclusion from CERCLA liability provided in 42 U.S.C. §9601(14), as interpreted by the courts and EPA: “The term (hazardous substance) does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).”

Petroleum products – those substances included within the meaning of the petroleum exclusion to CERCLA, 42 U.S.C. §9601(14), as interpreted by the courts and EPA, that is: petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under Subparagraphs (A) through (F) of 42 U.S.C. §9601(14), natural gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas). (The word fraction refers to certain distillates of crude oil, including gasoline, kerosene, diesel oil, jet fuels, and fuel oil, pursuant to Standard Definitions of Petroleum Statistics.⁴)

20143233

48

Practically reviewable – information that is practically reviewable means that the information is provided by the source in a manner and in a form that, upon examination, yields information relevant to the property without the need for extraordinary analysis of irrelevant data. The form of the information shall be such that the user can review the records for a limited geographic area. Records that cannot be feasibly retrieved by reference to the location of the property or a geographic area in which the property is located are not generally practically reviewable. Most databases of public records are practically reviewable if they can be obtained from the source agency by the county, city, zip code, or other geographic area of the facilities listed in the record system. Records that are sorted, filed, organized, or maintained by the source agency only chronologically are not generally practically reviewable. Listings in publicly available records which do not have adequate address information to be located geographically are not generally considered practically reviewable. For large databases with numerous records (such as RCRA hazardous waste generators and registered underground storage tanks), the records are not practically reviewable unless they can be obtained from the source agency in the smaller geographic area of zip codes. Even when information is provided by zip code for some large databases, it is common for an unmanageable number of sites to be identified within a given zip code. In these cases, it is not necessary to review the impact of all of the sites that are likely to be listed in any given zip code because that information would not be practically reviewable. In other words, when so much data is generated that it cannot be feasibly reviewed for its impact on the property, it is not practically reviewable.

Prior Assessment Usage – The ASTM E 1527-13 practice recognizes that environmental site assessments performed in accordance with this practice will include information that subsequent users may want to use to avoid undertaking duplicative assessment procedures. Therefore, this practice describes procedures to be followed to assist users in determining the appropriateness of using information in environmental site assessments performed more than one year prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction. The system of prior assessment usage is based on the following principles that should be adhered to in addition to the specific procedures set forth elsewhere in the ASTM E 1527-13 practice.

Property – the real property that is the subject of the environmental site assessment described in the ASTM E 1527-13 practice. Real property includes buildings and other fixtures and improvements located on the property and affixed to the land.

Publicly available – information that is publicly available means that the source of the information allows access to the information by anyone upon request.

Reasonably Ascertainable – information that is (1) publicly available, (2) obtainable from its source within reasonable time and cost constraints, and (3) practically reviewable.

Reasonable time and cost – information that is obtainable within reasonable time and cost constraints means that the information will be provided by the source within 20 calendar days of receiving a written, telephone, or in-person request at no more than a nominal cost intended to cover the source’s cost of retrieving and duplicating the information. Information that can only be reviewed by a visit to the source is reasonably ascertainable if the visit is permitted by the source within 20 days of request.

Recognized environmental conditions – the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.

Recorded land title records – records of historical fee ownership, which may include leases, land contracts, and AULs on or of the property recorded in the place where land title records are, by law or custom, recorded for the local jurisdiction in which the property is located. (Often such records are kept by a municipal or county recorder or clerk.) Such records may be obtained from title companies or directly from the local government agency. Information about the title to the property that is recorded in a U.S. district court or any place other than where land title records are, by law or custom, recorded for the local jurisdiction in which the property is located, are not considered part of recorded land title records. See ASTM E 1527-13 8.3.4.4.

Release – a release of any hazardous substance or petroleum product shall have the same meaning as the definition of “release” in CERCLA 42 U.S.C. § 9601(22)). For additional background information, see Legal Appendix (Appendix X1) to X1.1.1 “Releases and Threatened Release.”

Relevant experience (as used in the definition of environmental professional) – participation in the performance of all appropriate inquiries investigations, environmental site assessments, or other site investigations that may include environmental analyses, investigations, and remediation which involve the understanding of surface and subsurface environmental conditions and the processes used to evaluate these conditions and for which professional judgment was used to develop opinions regarding conditions indicative of releases or threatened releases (see §312.1(c)) to the subject property.

Rules of Engagement – The contractual and legal obligations between an environmental professional and a user (and other parties, if any) are outside the scope of this practice. No specific legal relationship between the environmental professional and the user is necessary for the user to meet the requirements of this practice.

Uncertainty Not Eliminated – 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 in connection with a property, and this practice recognizes reasonable limits of time and cost.

Use of Prior Information – Subject to the requirements set forth in ASTM E 1527-13, Section 4.6, users and environmental professionals may use information in prior environmental site assessments provided such information was generated as a result of procedures that meet or exceed the requirements of this practice. However, such information shall not be used without current investigation of conditions likely to affect recognized environmental conditions in connection with the property. Additional tasks may be necessary to document conditions that may have changed materially since the prior environmental site assessment was conducted.

User – the party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. The user has specific obligations for completing a successful application of this practice as outlined in ASTM E 1527-13, Section 6.

Visually and/or physically observed – during a site visit pursuant to this practice, this term means observations made by vision while walking through a property and the structures located on it and observations made by the sense of smell, particularly observations of noxious or foul odors. The term “walking through” is not meant to imply that disabled persons who cannot physically walk may not conduct a site visit; they may do so by the means at their disposal for moving through the property and the structures located on it.

11.3 Acronyms

ACM – asbestos-containing material

AST – aboveground storage tank

ASTM – American Society for Testing and Materials

AUL – Activity and Use Limitations

bgs – below ground surface

CERCLA – Comprehensive Environmental Response, Compensation and Liability Act of 1980 (as amended, 42 USC § 9601 et seq.)

CERCLIS – Comprehensive Environmental Response, Compensation and Liability Information System (maintained by EPA)

CFR – Code of Federal Regulations

CORRACTS – Facilities subject to Corrective Action under RCRA

CREC – Controlled recognized environmental condition

EA – Environmental assessment

ECRA – Environmental Cleanup Responsibility Act

EDR – Environmental Data Resources, Inc.

EPA – United States Environmental Protection Agency

EPCRA – Emergency Planning and Community Right to Know Act ((also known as SARA Title III), 42 USC § 11001 et seq.)

ERNS – Emergency Response Notification System

ESA – Environmental Site Assessment (different than an *environmental compliance audit*, 3.2.27)

FOIA – U.S. Freedom of Information Act (5 U.S.C. §552 as amended by Public Law No. 104-231, 110 Stat.)
FR – Federal Register
HREC – Historical recognized environmental condition
ICs – Institutional Controls
ISRA – Industrial Site Recovery Act
LBP – Lead-based paint
LLP – Landowner Liability Protections under the *Brownfields Amendments*
LRST – Leaking registered storage tank
LUST – Leaking underground storage tank
MSDS – Material safety data sheet
NCP – National Contingency Plan
NFRAP – former CERCLIS sites where no further remedial action is planned under CERCLA
NPDES – National Pollutant Discharge Elimination System
NPL – National Priorities List
NVLAP – National Voluntary Laboratory Accreditation Program
OSHA – Occupational Safety and Health Administration
PACM – Presumed asbestos-containing material
PCBs – Polychlorinated biphenyls
PLM – Polarized light microscopy
PRP – Potentially responsible party (pursuant to CERCLA 42 USC § 9607(a))
RCRA – Resource Conservation and Recovery Act (as amended, 42 USC § 6901 et seq.)
RCRIS – Resource Conservation and Recovery Act Information System
REC – Recognized environmental condition
ROC – Record of communication
RST – Registered storage tank
SACM – Suspect asbestos-containing material
SARA – Superfund Amendments and Reauthorization Act of 1986 (amendment to CERCLA)
SIC – Standard Industrial Classification
TEM – Transmission electron microscopy
TSDf – Hazardous waste treatment, storage or disposal facility
USC – United States Code
USEPA – United States Environmental Protection Agency
USGS – United States Geological Survey
UST – Underground storage tank

**ATTACHMENT I
PROFESSIONAL
QUALIFICATIONS**

MICHAEL R. BERNSTEIN

TECHNICAL MANAGER

EDUCATION Bachelor of Arts, Geography (1982)
Glassboro State College (Rowan University)
Glassboro, New Jersey
Recipient, *Glassboro State College Paper Competition Award*,
Scholarship for 1980-81

CERTIFICATIONS USEPA AHERA Asbestos Building Inspector
Pennsylvania Asbestos Building Inspector
City of Philadelphia Asbestos Investigator
California Registered Environmental Assessor I

SUMMARY OF QUALIFICATIONS

Mr. Bernstein has 22 years' experience in civil engineering and environmental consulting, including 17 years managing and conducting Phase I and Phase II Environmental Assessments. He has conducted Phase I Environmental Assessments of industrial, commercial, institutional, military, and residential properties in 26 states plus Mexico, Canada, and Germany. Mr. Bernstein is the author of more than 20 technical and non-technical periodical articles pertaining to geology, industrial and maritime history, and archeology. He is a member of the Society for Industrial Archeology and the Nautical Research Guild.

REPRESENTATIVE PROJECT EXPERIENCE

Military and Civilian Airports

Historical research and observations of facilities located at the Air Force Flight Test Center – Edwards Air Force Base, California, and the Civilian Flight Test Center – Mojave Airport, California, to identify features and conditions of potential environmental concern prior to a contractor's departure from the facilities.

Phase I Environmental Assessment and historical research of a redeveloped portion of the former Greenwood Army Airfield in Greenwood, Mississippi. The subject property had been occupied by aboveground storage tanks and vehicle maintenance/fueling facilities during World War II.

Maritime Operations

Phase I and Phase II Environmental Assessment activities at a closed tanker shipyard located on the Delaware River in Chester, Pennsylvania, in preparation for partial reactivation of the facility.

Phase I Environmental Assessments of two finger piers and a container terminal located on the Delaware River in Philadelphia, Pennsylvania, in preparation for the arrival of a new facility operator.

Heavy Industrial Properties

Pre-acquisition Phase I Environmental Assessment of an active coke battery located on Neville Island in the Ohio River near Pittsburgh, Pennsylvania.

Pre-divestiture Phase I Environmental Assessment of active foundry and forge facilities located in Anniston, Alabama, which manufactured parts for armored military vehicles.

Phase I Environmental Assessment of a closed transformer manufacturing plant located in Hickory, North Carolina, to evaluate possible options for re-use/re-development of the property.

Institutional Properties

Phase I Environmental Assessments of specialty hospitals and nursing/retirement centers located in Massachusetts, New York, Pennsylvania, Kentucky, Delaware, and New Jersey.

Commercial Properties

Phase I Environmental Assessments of automobile and truck dealership/maintenance facilities located in New Jersey, Pennsylvania, New Hampshire, California, Texas, Kentucky, and New York.

Light Industrial Properties

Pre-acquisition Phase I Environmental Assessments of aircraft-parts manufacturing plants located in Wichita, Kansas, and Hayward, California.

Pre-divestiture Phase I Environmental Assessments of paper-products manufacturing plants located in Pittsburgh, Pennsylvania; Newark, Ohio; and Grafton, West Virginia.

Power Generating Stations

Phase I Environmental Assessments of three oil-, gas-, and coal-fired electric generating stations located on the Delaware and Schuylkill Rivers in Philadelphia, Pennsylvania, and in Hartford, Connecticut.

Asbestos Building Surveys

AHERA-standard asbestos building surveys of major telecommunications facilities located in Wayne and Philadelphia, Pennsylvania.

PUBLICATIONS

Bernstein, Michael R., 2007, *Pennsylvania shipyards redevelopment and reprieve*, Society for Industrial Archeology Newsletter, Vol. 36, No. 1, pp. 1-3 and 7

Bernstein, Michael R., 2006, *Fame, failure, and the disappearance of Hog Island shipyard*, Nautical Research Journal, Vol. 51, No. 1, pp. 1-10

Bernstein, Michael R., 2005, *Drawings verify concerns during environmental assessment*, Society for Industrial Archeology Newsletter, Vol. 34, No. 4, pp. 6-7

Bernstein, Michael R., 2005, *On the job for victory: news publications of the Emergency Fleet Corporation, 1918-1919*. Nautical Research Journal, Vol. 50, No. 1, pp. 14-23

Bernstein, Michael R., 2001, *Documenting a WWI shipyard*. Society for Industrial Archeology Newsletter, Vol. 30, No. 1, p. 12

Bernstein, Michael R., 2000, *Phantom shipyard on the Delaware*. Nautical Research Journal, Vol. 45, No. 3, pp. 166-168

Bernstein, Michael R., 2000, *Bagging WWI artillery powder at Tullytown*. Pennsylvania Magazine, Vol. 23, No. 5, pp. 34-35

Bernstein, Michael R., 1999, *Fabricated ship construction at Bristol, Pennsylvania, 1917-1921*. Nautical Research Journal, Vol. 44, No. 3, pp. 139-150

Bernstein, Michael R., 1998, *Building ships at Bristol for The Great War*. Pennsylvania Magazine, Vol. 21, No. 2, pp. 26-28

Bernstein, Michael R., 1993, *The rise and set of the Sun Shipbuilding & Dry Dock Company*. Nautical Research Journal, Vol. 38, No. 2, pp. 88-97 (Part One), Vol. 38, No. 3, pp. 140-154 (Part Two)

Bernstein, Michael R., 1992, *Then and now: the William Cramp & Sons shipyard in World War I and the site today*. Nautical Research Journal, Vol. 37, No. 2, pp. 44-57

Bernstein, Michael R., 1988, *Local invertebrate assemblages in the Upper Cretaceous Marshalltown Formation along the valley of Oldmans Creek in southern New Jersey*. Northeastern Geology, Vol. 10, No. 3, pp. 205-215

Bernstein, Michael R., 1987, *Paleontologic and biostratigraphic survey of the Vincentown Formation (Paleocene) along the valley of Big Timber Creek in southern New Jersey*. Northeastern Geology, Vol. 9, No. 3, pp. 133-144

Bernstein, Michael R., 1986, *Taxonomic and stratigraphic interpretation of exogyrine oysters (Exogyra, Amphidonte) in the Upper Cretaceous Woodbury Formation in southern New Jersey*. Northeastern Geology, Vol. 8, Nos. 1-2, pp. 4-12

Bernstein, Michael R., 1984, *Fossiliferous sandstone at Fairton, Cumberland County: local biostratigraphy and lithostratigraphy in the Miocene of southern New Jersey*. Northeastern Geology, Vol. 6, No. 3, pp. 174-178

Bernstein, Michael R., 1984, *Drainage pattern asymmetry related to microclimatic phenomena and axial valley gradient, Oldmans Creek, southern New Jersey*. Northeastern Geology, Vol. 6, No. 1, pp. 44-50

TIM CLACKETT

REGIONAL MANAGER

EDUCATION Bachelors of Environmental Science and Geography
State University of New York at Buffalo
Buffalo, New York

ACCREDITATIONS
OSHA 40-hour HAZWOPER Training
USEPA-AHERA Certified Asbestos Inspector
OSHA Confined Space Entry Training
ACOE Wetlands Delineator Training

SUMMARY OF QUALIFICATIONS

Mr. Clackett has over five years experience performing Phase I Environmental Assessments, Phase II Subsurface Investigations, and Regulatory Compliance Audits for commercial, residential, industrial, and institutional real estate transactions throughout the United States and Canada. Mr. Clackett is experienced in landfill closure compliance in accordance with federal and state regulations. Mr. Clackett has performed wetland delineations in accordance with the Army Corps of Engineers 1987 Manual. Mr. Clackett has conducted carbon monoxide modeling for various road improvement projects. Mr. Clackett has developed and implemented air, water, and soil sampling and analysis plans for various hazardous waste sites. In addition, Mr. Clackett has also provided such services as acting as a liaison between regulatory agencies and clients and proposal development.

REPRESENTATIVE PROJECT EXPERIENCE

Vacant Land – Kings Park, NY

Mr. Clackett performed an environmental assessment for a vacant parcel of land located in Kings Park, NY adjacent to a previously closed landfill. The assessment included an evaluation of prior use of the property, the collection of soil gas samples in areas suspected of being impacted by the adjacent landfill, and review of previous reports for the landfill.

Compliance Audit – Town of North Hempstead, NY

Mr. Clackett performed a hazardous material storage compliance audit for properties owned by the Town of North Hempstead. The assessment included an evaluation of Underground Storage Tanks (UST), Aboveground Storage Tanks (AST) and hazardous material storage areas for compliance with applicable federal, state and local regulations.

Landfill Closures, Various Locations

Mr. Clackett has performed several landfill closure investigations in Long Island and Staten Island, NY. The closure investigations included the design of sampling plans, the collection of representative air, soil and water samples and the submittal of closure documents to satisfy state regulations. Mr. Clackett has also performed quality assurance inspections for construction activities related to landfill closures.

Wetland Delineation – Putnam County, NY

Mr. Clackett performed a wetland delineation for a proposed courthouse in Putnam County, NY. The wetland delineation included the identification of wetland vegetation and soils in accordance with the Army Corp of Engineers 1987 Wetland Delineation Manual.

Carbon Monoxide Survey – Route 25, Centereach, NY

Mr. Clackett has performed a carbon monoxide survey of a section of Route 25 located in Centereach, NY for the NYS Department of Transportation. The carbon monoxide survey included modeling of carbon monoxide concentrations at critical locations using the USEPA designated Cal3QHC model. Modeling results were used in the design phase for the rehabilitation of the state owned roadway.

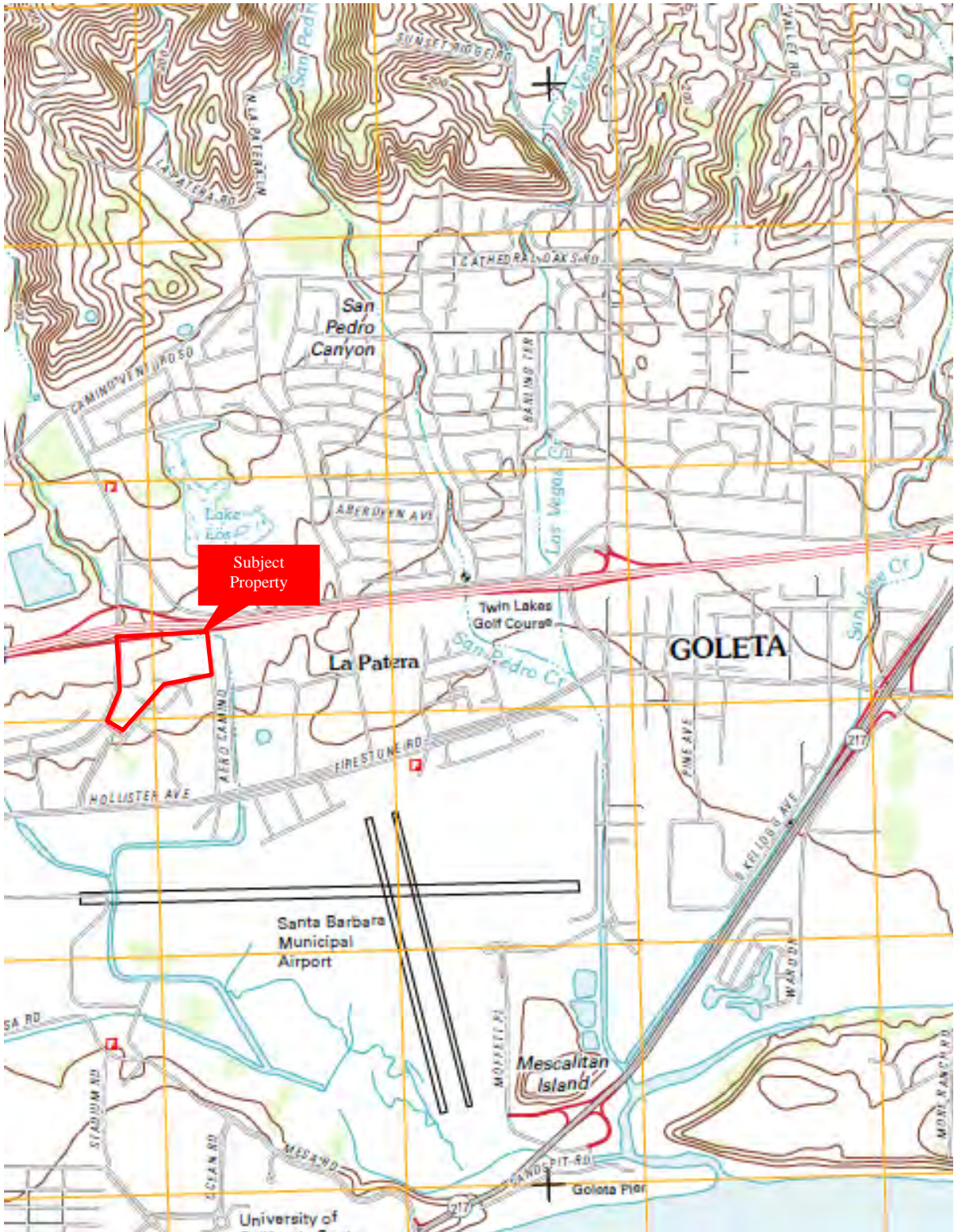
Other Project Experience

Mr. Clackett has overseen various monitoring well installations, soil gas surveys and underground soil probing projects. Based on the findings of the Phase II activities, Mr. Clackett has advised clients of remedial alternatives and provided cost estimations.

Mr. Clackett has performed many Phase I environmental due diligence evaluations of industrial, commercial, and residential properties for various lending institutions and private clients involving: historic research of property usage, bulk sampling for asbestos-containing materials and lead-based paint, radon and lead-in-drinking water, interpretation of environmental database reports, identification of potential contamination and liability based on research, interviews, field evaluation, and documentation through technical report writing.

APPENDIX A

FIGURES



US DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY 7.5' TOPOGRAPHIC QUADRANGLE



Property Solutions Inc.

Heritage Ridge Development
N.E. side of Los Carneros Road
Goleta, California

Project No.: 20143233



Topo Quad Name: Goleta, CA

Property Boundaries are Approximate



TAX MAP

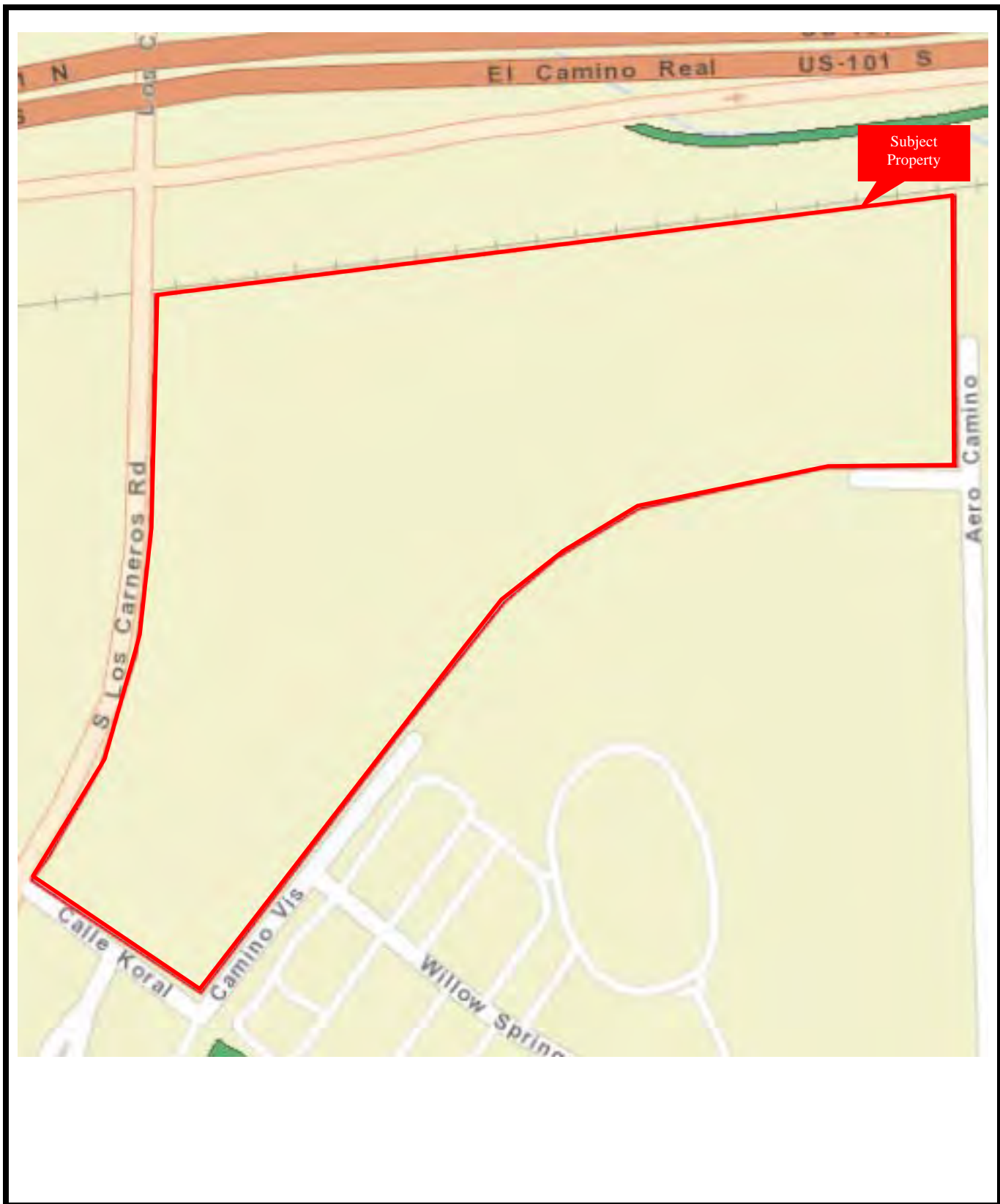


Property Solutions Inc.

Heritage Ridge Development
N.E. side of Los Carneros Road
Goleta, California

Project No.: 20143233





WETLAND MAP

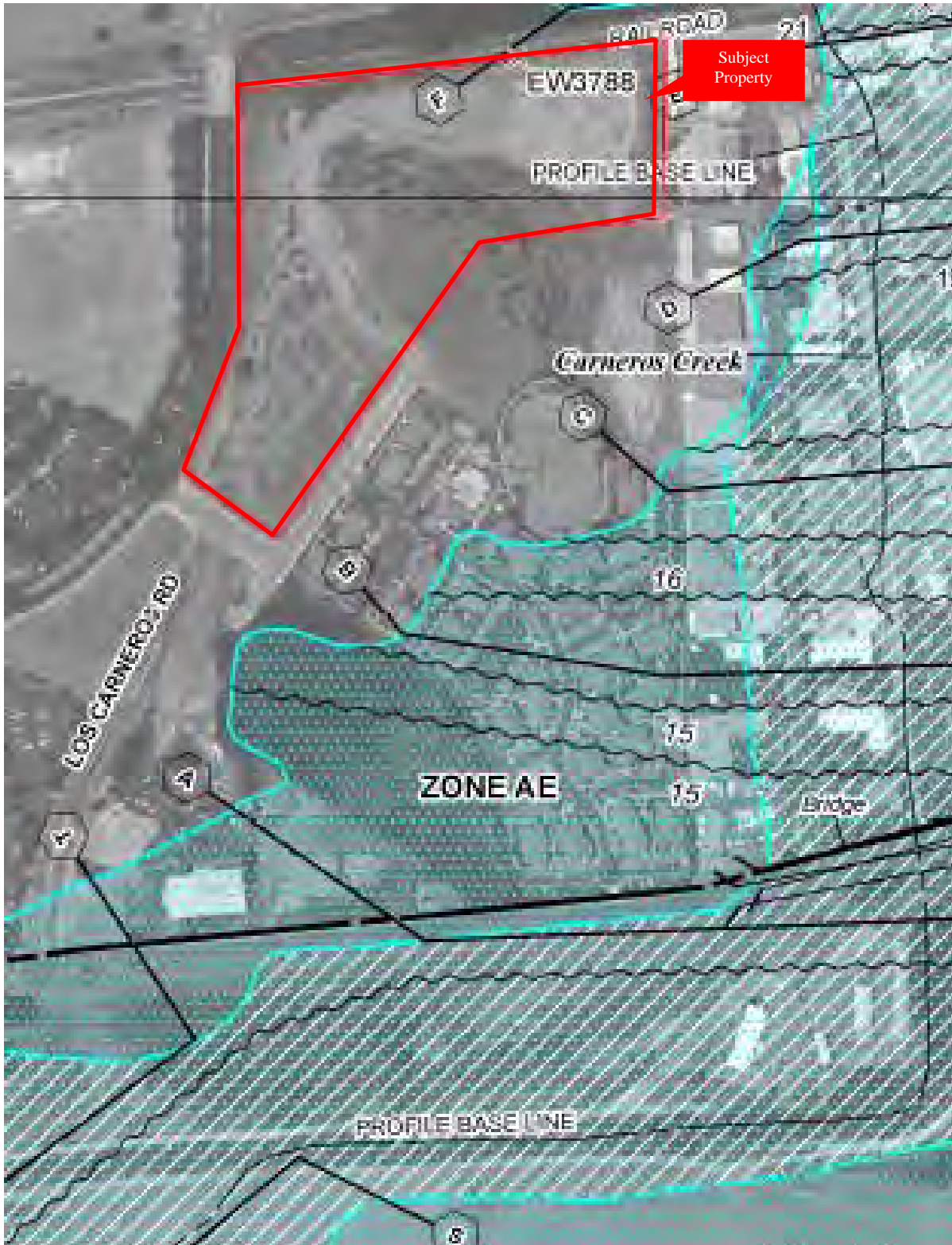


Property Solutions Inc.



Heritage Ridge Development
N.E. side of Los Carneros Road
Goleta, California

Project No.: 20143233

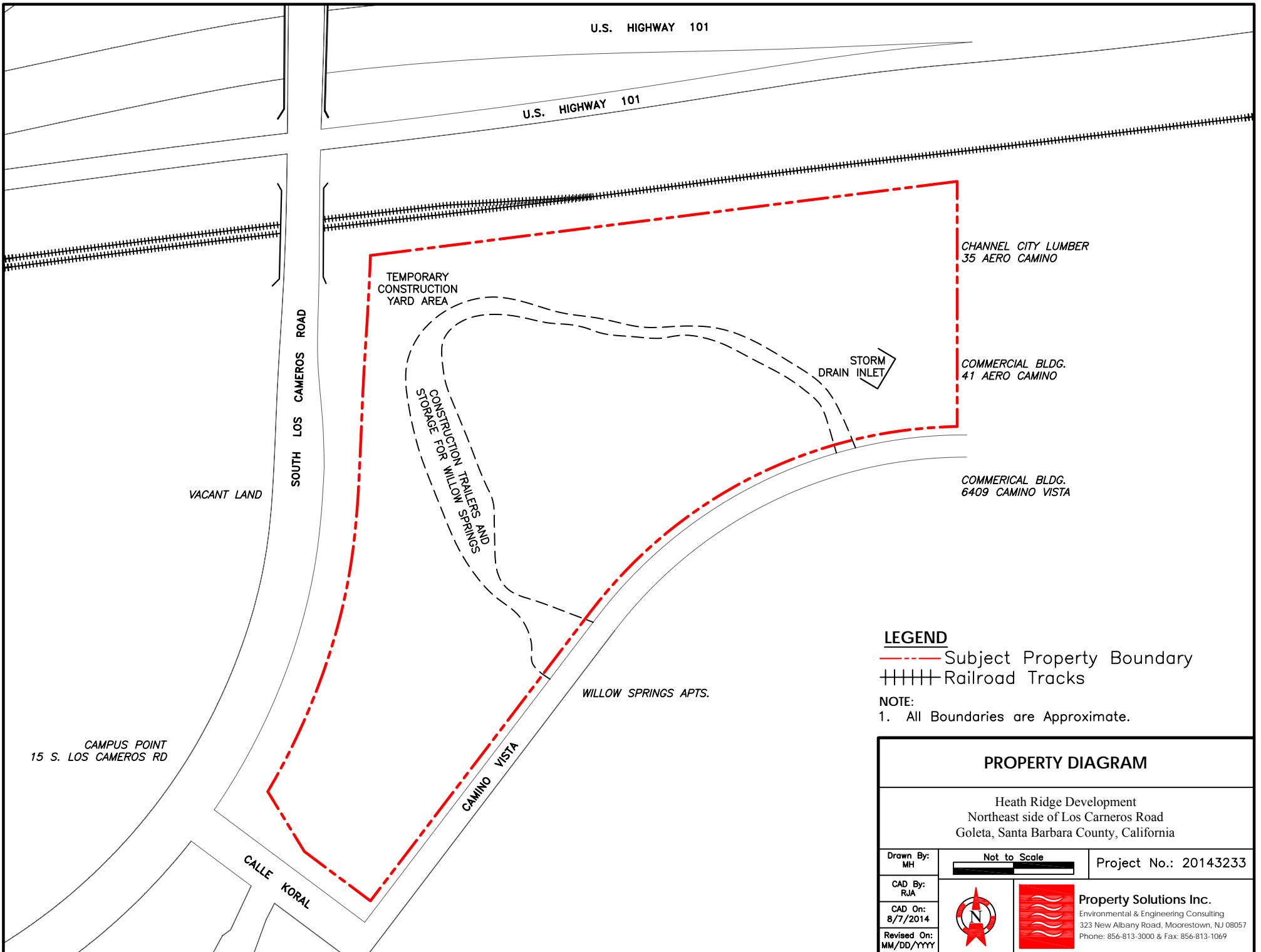




FLOOD INSURANCE RATE MAP

 <p>Property Solutions Inc.</p>	<p>Heritage Ridge Development N.E. side of Los Carneros Road Goleta, California</p>	<p>Project No.: 20143233</p>	
<p>Location: Santa Barbara County</p>	<p>Date: December 4, 2014</p>	<p>Community-Panel Number: 06083C1361G</p>	

APPENDIX B
PROPERTY DIAGRAM



LEGEND

- - - - - Subject Property Boundary
- Railroad Tracks

NOTE:
1. All Boundaries are Approximate.

PROPERTY DIAGRAM			
Heath Ridge Development Northeast side of Los Cameros Road Goleta, Santa Barbara County, California			
Drawn By: MH	Not to Scale 	Project No.: 20143233	
CAD By: RJA			
CAD On: 8/7/2014			Property Solutions Inc. Environmental & Engineering Consulting 323 New Albany Road, Moorestown, NJ 08057 Phone: 856-813-3000 & Fax: 856-813-1069
Revised On: MM/DD/YYYY			

APPENDIX C
PHOTOGRAPHS

PHOTO 1.

Subject property from the south



PHOTO 2.

Subject property's northern boundary from the northeast



PHOTO 3.

Subject property from the east edge



PHOTO 4.

Subject property from the southeast



PHOTO 5.

Subject property's eastern boundary from Camino Vista



PHOTO 6.

Northeastern half of the subject property from the south



PHOTO 7.

Subject property from the northwest



PHOTO 8.

Northwest corner of the subject property



PHOTO 9.

Center of the subject property from the northwest



PHOTO 10.

View of the subject property looking southwest from the northeast corner



PHOTO 11.

Northwest corner of the subject property



PHOTO 12.

Central property entrance from Camino Vista



PHOTO 13.

Temporary construction yard



PHOTO 14.

Diesel powered generator



PHOTO 15.

Straw waddle



PHOTO 16.

Stored paints



PHOTO 17.

Overpass construction site at northwest corner of the subject property



PHOTO 18.

Overpass construction site at northwest corner of the subject property



PHOTO 19.

Silt fencing and straw waddle around construction site



PHOTO 20.

Typical view of the southern half of the subject property



PHOTO 21.

Typical view of the southern half of the subject property



PHOTO 22.

Subject property from the center looking southeast



PHOTO 23.

South/southeast adjacent apartment complex



PHOTO 24.

South/southeast adjacent apartment complex



PHOTO 25.

Southeast adjacent property – 6409 Camino Vista



PHOTO 26.

East adjacent property – 41 Aero Camino



PHOTO 27.

East adjacent property – 35 Aero Camino



PHOTO 28.

View to the north of the subject property



PHOTO 29.

View to the northwest of the subject property



PHOTO 30.

View to the west of the subject property



PHOTO 31.

View to the southwest of the subject property



PHOTO 32.

South/southwest adjacent property



PHOTO 33.

View to the south of the subject property



APPENDIX D
USER CORRESPONDENCE



User Questionnaire

Please provide the following information, if available, before the property visit by Property Solutions. This information is required per the ASTM E 1527-13. If additional pages for response are necessary, please attach them to this form. Failure to provide this information could result in a determination that "All Appropriate Inquiry" is not complete.

Please sign your name and print your name and the date below. By signing you state that the information you provided herein is accurate to the best of your knowledge.

[Handwritten Signature]

Signature

8.11.14

Date

DEREK HANSEN

Print Name

Property Information		
Property Name Heritage Ridge		Property Identification (e.g. Block & Lot or Parcel ID #) 073-060-31 thru 43
Address N/A	City Goleta	State & Zip CA, 93117
User Completing Questionnaire		
Name & Title Linda Blackburn, Senior Project Analyst		Company The Towbes Group, Inc.
Address 21 E. Victoria St.	City Santa Barbara	State & Zip CA, 93101
Phone (805) 884-4222	Fax (805) 568-1412	
Cell phone (805) 698-2105	Email lblackbern@towbes.com	
Key Site Manager – As identified by User		
The key site manager should be a person with good knowledge of the uses and physical characteristics of the property, such as a property manager, building manager, the chief physical plant supervisor, or maintenance supervisor.		
Name & Title Derek Hansen - VP Dev. Const.		Company The Towbes Group Inc.
Address 201 East Victoria Suite 200	City Santa Barbara	State & Zip CA, 93101
Phone 805-962-2121	Fax 805-568-1412	
Cell phone 805-698-5242	Email Dhansen@towbes.com	
Current Property Owner		
Name & Title Michael Towbes, LLC, a California limited liability company By: Michael Towbes, Trustee of the Towbes 2002 Trust, U/A dated 1/14/02		Company
Address c/o The Towbes Group, Inc., 21 E. Victoria Street #200	City Santa Barbara	State & Zip CA, 93101
Phone (805) 962-2121	Fax	
Cell phone	Email	

Describe the reason the Phase I Environmental Assessment is being performed. **(Check one)**

- Finance
 Refinance
 Purchase
 Sale
 Other (specify) Entitlement

Known Environmental Concerns

1. Are you aware of any environmental cleanup liens, deed notices, or restrictions against the property that are filed or recorded under federal, tribal, state, or local law?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2. Are you aware of an Activity and Use Limitations that are in place at the property and/or that have been filed or recorded in a registry under federal, tribal, state, or local law? (If yes, check all that apply.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
<input type="checkbox"/> Engineering Controls <input checked="" type="checkbox"/> Land Use Restrictions <input type="checkbox"/> Institutional Controls <input type="checkbox"/> Other (specify)		
3. Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have knowledge of the chemicals and processes used by this type of business? If yes, describe.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
4. Does this transaction include the purchase of the property?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Does the purchase price reflect a fair market value of the property?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
If there is a difference, have you (the user) considered whether the lower purchase price is because contamination is known or believed to be present at the property?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
5. Are you aware of commonly known or reasonably ascertainable information about the property that could identify conditions indicative of releases or treated releases?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Describe specific chemicals that are present or were once present at the property.	<input checked="" type="checkbox"/> Not applicable	
Describe known spills, chemical releases, or environmental cleanups which occurred at the property.		
<input checked="" type="checkbox"/> Not applicable		
6. As the user, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property? If yes, describe.	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
7. Are you aware of the following environmental concerns at the property? (Check all that apply)	<input checked="" type="checkbox"/> None	
<input type="checkbox"/> Underground storage tanks <input type="checkbox"/> Dry cleaners <input type="checkbox"/> Asbestos <input type="checkbox"/> Other (specify)		

Current and Past Property Use

1. Has the property ever been used for any of the following operations? *(Check all that apply)* None
 Manufacturing operations Gasoline service station Automobile repair Dry cleaning

2. Describe property use/operations prior to the construction of the buildings currently at the property. Include chemicals previously stored at the property.

Vacant Land used for stockpile

3. Provide previous property owners, occupants, and/or operators. Attach pages as necessary.

Company	Owner/ Occupant/ Operator	Dates of occupancy	Operations	Contact name & number

EXISTING DOCUMENTATION

Does the following documentation exist? If yes, please provide copies.



Yes	No	Do not know	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ESA Reports
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Env. Compliance Audit Reports
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Environmental Permits
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	UST/AST registrations
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Underground injection permits
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MSDS
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Hazardous waste generator notices
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Geotechnical studies
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Risk Assessments
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Community Right-to-know plan
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Safety Plans
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SPCC Plans
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Emergency preparedness & prevention plans
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hydrogeologic reports
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Government correspondence & violations
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Recorded AULs
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Environmental Liens
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other _____

APPENDIX E
AERIAL PHOTOGRAPHS



INQUIRY #: 4020046.5
 YEAR: 1928
 |-----| = 500'

1928 AERIAL PHOTOGRAPH

 <p>Property Solutions Inc.</p>	<p>Heritage Ridge Development N.E. side of Los Carneros Road Goleta, California</p>	<p>Project No.: 20143233</p>	
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Aerial Company & Location: EDR, Shelton CT Property Boundaries are Approximate



1938 AERIAL PHOTOGRAPH



Property Solutions Inc.

Heritage Ridge Development
 N.E. side of Los Carneros Road
 Goleta, California

Project No.: 20143233





Aerial Company & Location: EDR, Shelton CT

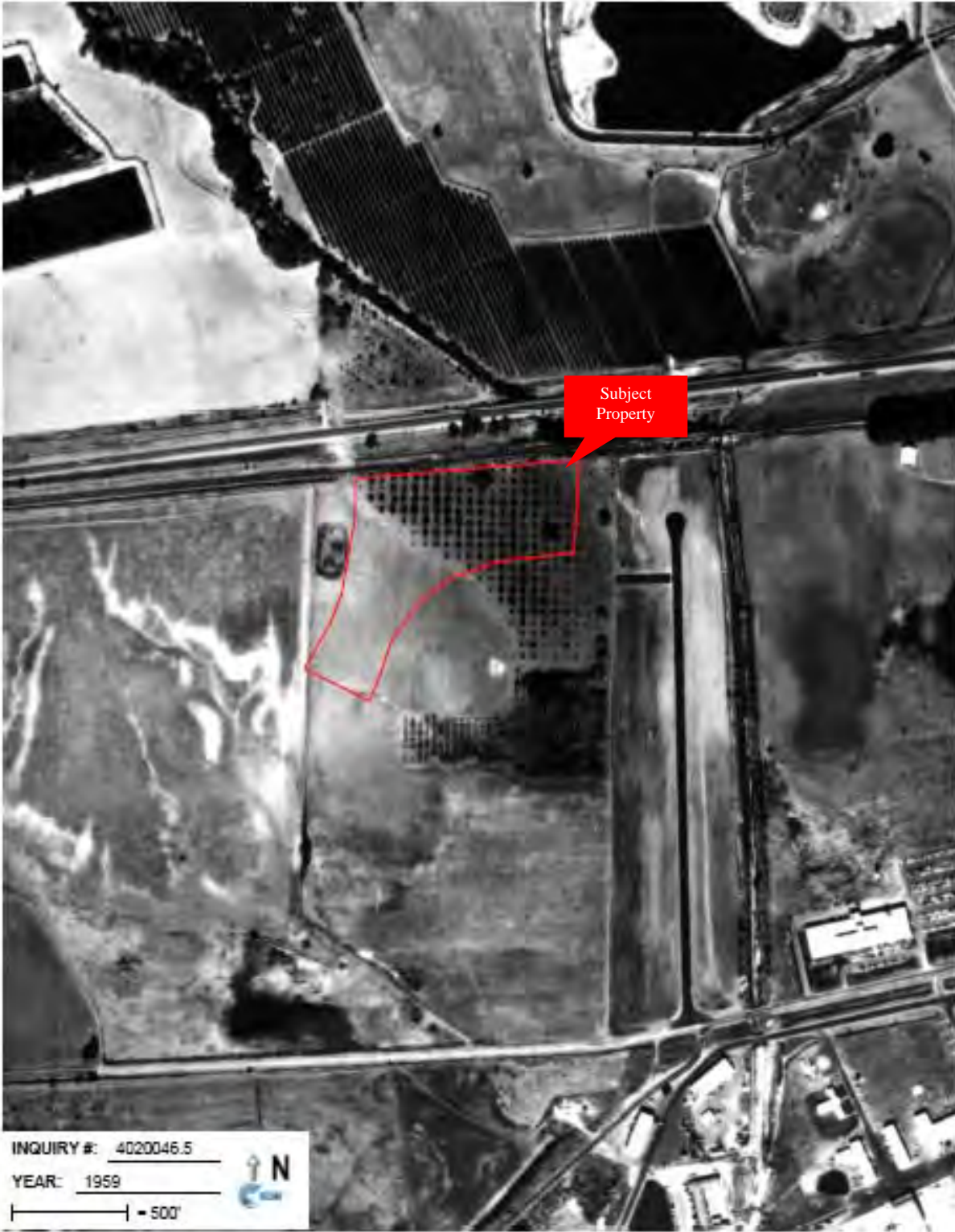
Property Boundaries are Approximate



INQUIRY #: 4020046.5
 YEAR: 1947
 |-----| = 500'

1947 AERIAL PHOTOGRAPH

 <p>Property Solutions Inc.</p>	<p>Heritage Ridge Development N.E. side of Los Carneros Road Goleta, California</p>	<p>Project No.: 20143233</p>	
<p>Aerial Company & Location: EDR, Shelton CT</p>		<p>Property Boundaries are Approximate</p>	



1959 AERIAL PHOTOGRAPH



Property Solutions Inc.

Heritage Ridge Development
 N.E. side of Los Carneros Road
 Goleta, California

Project No.: 20143233





Aerial Company & Location: EDR, Shelton CT

Property Boundaries are Approximate



1967 AERIAL PHOTOGRAPH

 <p>Property Solutions Inc.</p>	<p>Heritage Ridge Development N.E. side of Los Carneros Road Goleta, California</p>	<p>Project No.: 20143233</p>	
<p>Aerial Company & Location: EDR, Shelton CT</p>		<p>Property Boundaries are Approximate</p>	



1973 AERIAL PHOTOGRAPH



Property Solutions Inc.

Heritage Ridge Development
 N.E. side of Los Carneros Road
 Goleta, California

Project No.: 20143233



Aerial Company & Location: EDR, Shelton CT

Property Boundaries are Approximate



INQUIRY #: 4020046.5

YEAR: 1989

— 500'



1989 AERIAL PHOTOGRAPH



Property Solutions Inc.

Heritage Ridge Development
N.E. side of Los Carneros Road
Goleta, California

Project No.: 20143233





Aerial Company & Location: EDR, Shelton CT

Property Boundaries are Approximate



1994 AERIAL PHOTOGRAPH

 <p>Property Solutions Inc.</p>	<p>Heritage Ridge Development N.E. side of Los Carneros Road Goleta, California</p>	<p>Project No.: 20143233</p>	
<p>Aerial Company & Location: EDR, Shelton CT</p>		<p>Property Boundaries are Approximate</p>	



2005 AERIAL PHOTOGRAPH



Property Solutions Inc.

Heritage Ridge Development
 N.E. side of Los Carneros Road
 Goleta, California

Project No.: 20143233





Aerial Company & Location: EDR, Shelton CT

Property Boundaries are Approximate





2009 AERIAL PHOTOGRAPH

 <p>Property Solutions Inc.</p>	<p>Heritage Ridge Development N.E. side of Los Carneros Road Goleta, California</p>	<p>Project No.: 20143233</p>	
<p>Aerial Company & Location: EDR, Shelton CT</p>		<p>Property Boundaries are Approximate</p>	





2010 AERIAL PHOTOGRAPH

 <p>Property Solutions Inc.</p>	<p>Heritage Ridge Development N.E. side of Los Carneros Road Goleta, California</p>	<p>Project No.: 20143233</p>	
<p>Aerial Company & Location: EDR, Shelton CT</p>		<p>Property Boundaries are Approximate</p>	



2012 AERIAL PHOTOGRAPH

 <p>Property Solutions Inc.</p>	<p>Heritage Ridge Development N.E. side of Los Carneros Road Goleta, California</p>	<p>Project No.: 20143233</p>	
<p>Aerial Company & Location: EDR, Shelton CT</p>		<p>Property Boundaries are Approximate</p>	

APPENDIX F
HISTORIC MAPS



Heritage Ridge

Los Carneros Road and Calle Koral
Goleta, CA 93117

Inquiry Number: 4020046.3

July 29, 2014

Certified Sanborn® Map Report



6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

7/29/14

Site Name:

Heritage Ridge
Los Carneros Road and Calle
Goleta, CA 93117

Client Name:

Property Solutions, Inc.
323 New Albany Road
Moorestown, NJ 08057



EDR Inquiry # 4020046.3

Contact: Rebecca Ludwig

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Property Solutions, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: Heritage Ridge
Address: Los Carneros Road and Calle Koral
City, State, Zip: Goleta, CA 93117
Cross Street:
P.O. # 20143233
Project: 20143233
Certification # EDD1-4AAB-8BE7



Sanborn® Library search results
Certification # EDD1-4AAB-8BE7

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

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**APPENDIX G
PREVIOUS REPORTS
AND PLANS**



DAMES & MOORE

A DAMES & MOORE GROUP COMPANY



**FINAL REPORT
PHASE I ENVIRONMENTAL
SITE ASSESSMENT**

**VACANT RESIDENTIAL PROPERTIES AT
6400 BLOCK OF HOLLISTER AVENUE
NORTHERN TRACTS
GOLETA, CALIFORNIA
FOR THE TOWBES GROUP, INC.**

**D&M JOB NO. 35284-002-139
APRIL 2, 1999**

FINAL PHASE I ENVIRONMENTAL SITE ASSESSMENT

SITE NAME **Vacant Residential Properties, Northern Tracts, 6400 Block of Hollister Avenue**
ADDRESS **Goleta, California**

EXECUTIVE SUMMARY

Dames & Moore conducted a Phase I Environmental Site Assessment (ESA) of the property referenced above (Site). Following is a summary of our findings based on Dames & Moore's proposal, dated March 19, 1999 and the American Society for Testing and Materials (ASTM) Standard Practice Designation E 1527-93. Clarifications and modifications are included in the Consultant Contract and Scope of Work provided by The Towbes Group, Inc. The property is currently owned by the Los Cameros Community Association, Inc., a California Limited Partnership. Dames & Moore acknowledges that The Towbes Group is relying on this report in consideration of acquiring or financing the Site.

Historical Review The historical data reviewed indicated that the Site has remained vacant and undeveloped, with some agricultural activity dating back to the 1930's or 1940's. In recent decades the Site has remained essentially vacant. Small ponds or stands of water appear to have been located on differing portions of the Site since the turn of the century. What appeared to be dirt roads have dissected the Site in different locations over this period of time. There is at least one inoperative water well currently on the Site, and numerous trenches are present as the result of past soil or ground investigation (possibly archaeological). Large piles of fill material are currently on the Site, as is evidence of rough grading with heavy machinery. Recognized Environmental Conditions (RECs) were not noted in the historical information reviewed.

Current Site Conditions The Site comprises approximately 21.1 acres of fenced, undeveloped vacant land. The Site is the northern portion of an approximate 44.4 acre parcel. The Site vicinity consists of developed light industrial land to the east and west, the railroad and highway to the north, and the Santa Barbara Airport to the south. RECs were not noted during the Site visit.

FINAL PHASE I ENVIRONMENTAL SITE ASSESSMENT

Agency Review

The Site address is not listed on the agency databases reviewed.

A review of the regulatory database search indicates that several listed facilities were identified within close proximity to or upgradient from the Site. Based on the regulatory status, distance, or direction from the Site, it is Dames & Moore's opinion that the potential for these facilities to create a REC at the Site is low.

This Executive Summary is not intended to be a "stand-alone" document, but a summary of our findings described in the following report. It is intended to be used in conjunction with the scope of services and limitations described therein.

FINAL PHASE I ENVIRONMENTAL SITE ASSESSMENT

1.0 INTRODUCTION

1.1 Purpose

The purpose of the Phase I ESA was to gather information regarding the subject property to evaluate whether features and conditions of potential environmental concern exist in association with the subject Site and the adjoining properties.

1.2 Scope of Services

The scope of work for this Phase I ESA is detailed in Dames & Moore's proposal dated March 19, 1999, and the Consultant Contract and Scope of Work documents provided by The Towbes Group. Based on the scope of services outlined in these documents, the ESA specifically did not include asbestos, radon gas, lead-based paint, lead in drinking water, soil, or groundwater testing. In addition, this ESA did not include a compliance audit or wetlands evaluation.

1.3 ASTM Standard

This report was prepared in general conformance with the American Society for Testing and Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM Standard E 1527-97). This standard defines a Recognized Environmental Condition (REC) as: "The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to 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."

2.0 SITE DESCRIPTION

2.1 Location

The Site is located on the north side of Hollister Avenue, west of Aero Camino, and a portion of the Site is adjacent to Los Carneros Road to the east (Figure 1). The Site vicinity consists primarily of: developed light industrial/commercial land to the east and west; the Southern Pacific Railroad tracks and Highway 101 to the north; the southern half of the entire parcel followed by the Santa Barbara Airport to the south.

FINAL PHASE I ENVIRONMENTAL SITE ASSESSMENT

2.2 Features/Use

The Site comprises approximately 21.1 acres of undeveloped, vacant land (the northern portion of an approximately 44.4 acre parcel). The Site consists of Assessor's Parcel Numbers (APN) 073-006-031 to 048, Tract Map Lots 1-18. Currently, the Site is not in use.

2.3 Adjoining Properties

Dames & Moore's observation of adjoining properties was limited to viewing features and conditions that were visible from public right-of-ways. The following observations were made.

- North: The Site is bounded by the Southern Pacific Railroad tracks right-of-way, followed by U.S. Highway 101.
- South: The Site is bounded by the southern portion of the 44.4 acre parcel, followed by Hollister Avenue and the Santa Barbara Airport.
- East: The Site is bounded by light industrial/commercial development. The backsides of numerous businesses located on the west side of Aero Camino run adjacent to the Site.
- West: The Site is bounded by light industrial/commercial development. Several businesses along Hollister Avenue and Los Carneros Road are adjacent to the Site.

Indications of possible use or storage of hazardous materials were noted in one observable area of the east adjacent properties during the Site visit, and some of the facilities in the vicinity were identified on the regulatory database report. These items are discussed in the Government Agency Information section.

Dames & Moore observed what appeared to be a drum storage area, and an adjacent work area vented by an electric apparatus at the rear exterior of Ames Waterjet Cutting (53 Aero Camino, see photo). There did not appear to be any obvious adverse environmental impacts associated with this area.

FINAL PHASE I ENVIRONMENTAL SITE ASSESSMENT

3.0 RECORDS REVIEW

3.1 GOVERNMENT AGENCY INFORMATION

3.1.1 DATABASE REVIEW AND AGENCY CONTACTS

Dames & Moore reviewed information gathered from several environmental databases through Environmental Data Resources (EDR) to evaluate whether activities on or near the subject property have the potential to create adverse environmental impacts on the subject property. EDR reviews databases compiled by Federal, State, and local government agencies. The complete list of databases is provided in Appendix B. It should be noted that this information is reported as Dames & Moore received it from EDR, which in turn reports information as it is provided in various government databases. It is not possible for either Dames & Moore or EDR to verify the accuracy or completeness of information contained in these databases. However, the use of and reliance on this information is a generally accepted practice in the conduct of environmental due diligence.

The Site is not listed on the databases reviewed.

Facilities noted adjacent to or within ¼ mile of the Site are discussed below.

Bergen Brunswick-Santa Barbara/Bergan Brunswick (A1 & A2) is located at 99 Aero Camino, 1/8 to ¼ mile east of the Site. This facility is listed with one registered 10,000-gallon unleaded gasoline UST. This facility is also listed as having a gasoline tank leak that was discovered during tank closure activities on September 12, 1988. The abatement methods reportedly consisted of excavation and treatment activities. The case was closed on May 15, 1989. Based on the regulatory status, it is Dames & Moore's opinion that the potential for this facility to have created a REC at the Site is low.

Raytheon Co ESD (3) is located at 7 South Los Carneros Road, 1/8 to ¼ mile north-northwest of the Site. This facility is listed on the California Facility Index System (FINDS) and on the Resource Conservation and Recovery Information System (RCRIS). This facility is designated as a RCRIS small quantity generator. Wastes generated include chromium, lead, spent solvents, methyl ethyl ketone (MEK), and ignitable hazardous wastes. No violations were reported. Based on the regulatory status, it is Dames & Moore's opinion that the potential for this facility to have created a REC at the Site is low.

Arrowhead Santa Barbara Branch (A4 & A5) is located at 122 Aero Camino, 1/8 to ¼ mile east-southeast of the Site. This facility is listed as having a 1,000-gallon gasoline UST. This facility is also listed as having a diesel tank leak that was discovered during tank closure activities on February 15, 1989. The abatement methods reportedly consisted of excavation and disposal activities. The case was closed on June 15, 1990. Based on the regulatory status, it is Dames & Moore's opinion that the potential for this facility to have created a REC at the Site is low.

FINAL PHASE I ENVIRONMENTAL SITE ASSESSMENT

JS Graphix Inc. (A6) is located at 136 Aero Camino, 1/8 to 1/4 mile south-southeast of the Site. This facility is listed on FINDS and RCRIS. This facility is designated as a RCRIS small quantity generator. No violations were reported. Based on the regulatory status, it is Dames & Moore's opinion that the potential for this facility to have created a REC at the Site is low.

Golden Coast Dairy (7,13,D18) is located at 6416 Hollister Avenue, 1/8 to 1/4 mile south-southeast of the Site. This facility is listed on the California Facility Inventory Database (Ca. FID), which contains historical listings of active and inactive UST locations. Further information is not provided. Also, this facility has one 10,000-gallon gasoline UST, and the facility is also listed with a gasoline tank leak. The leak was confirmed on May 23, 1990. The abatement methods reportedly consisted of excavation and disposal activities. The case is listed as closed as of November 8, 1990. Based on the approximate cross- to downgradient location from the Site, it is Dames & Moore's opinion that the potential for this facility to have created a REC at the Site is low

Macaluso (B8) is located at 137 Aero Camino, 1/8 to 1/4 mile east-southeast of the Site. This facility is listed on the California Regional Water Quality Control Board (RWQCB) SLIC list, which records contaminated Sites that impact or have the potential to impact groundwater. Substances leaked associated with this facility include solvents, metals and benzene, toluene, ethylbenzene, and xylenes (BTEX). The leak is reportedly being confirmed. Further information regarding this facility has been requested from the RWQCB, however, a response has not yet been received. Dames & Moore will forward this information when it is available. Based on the approximate cross to downgradient location from the Site, it is Dames & Moore's opinion that the potential for this facility to have created a REC at the Site is moderate.

Ridal Corp (9) is located at 57 Aero Camino, 1/8 to 1/4 mile east-northeast of the Site. This facility is listed on the California Hazardous Waste Information System (HAZNET) database, FINDS and RCRIS. This facility is designated as a RCRIS small quantity generator. No violations were reported. Based on the regulatory status, it is Dames & Moore's opinion that the potential for this facility to have created a REC at the Site is low.

Superconductor Technologies Inc. (B10) is located at 150 Aero Camino, 1/8 to 1/4 mile east-southeast of the Site. This facility is listed on FINDS and RCRIS. This facility is designated as a small quantity generator. No violations were reported. Based on the regulatory status, it is Dames & Moore's opinion that the potential for this facility to have created a REC at the Site is low.

An unnamed business (currently FedEx) (C11) is designated at 6466 Hollister Avenue, 1/8 to 1/4 mile south-southwest of the Site. This location is listed on the Hazardous Materials Information Reporting System (HMIRS), which records hazardous materials spills that were reported to the Department of Transportation. Further information is not provided. Based on the approximate cross- to downgradient location from the Site, it is

FINAL PHASE I ENVIRONMENTAL SITE ASSESSMENT

Dames & Moore's opinion that the potential for this facility to have created a REC at the Site is low.

Continental Baking Co. (B12) is located at 153 Aero Camino, 1/8 to 1/4 mile southeast of the Site. This facility is listed with a gasoline tank leak. The leak was confirmed on February 1, 1989. The abatement activities for soil consisted of excavation and disposal and for groundwater pump and treat methods were utilized. The case is listed as closed as of April 3, 1990. Based on the regulatory status and the approximate cross- to downgradient location from the Site, it is Dames & Moore's opinion that the potential for this facility to have created a REC at the Site is low.

Chevron Station #9-4419 (C14, C15 & C16) is located at 6470 Hollister Avenue, approximately 1/4 mile southwest of the Site. This facility is listed with four registered USTs. Three of the tanks reportedly contain product and one reportedly contains waste. Two of the product USTs list 10,000-gallon capacities and the third product UST lists a 5,000-gallon capacity. The waste UST lists a 1,000-gallon capacity. The four tanks were installed in 1972. A gasoline tank leak is also on file for this facility. Chevron USA is noted as the responsible party and the leak was discovered on February 8, 1991. A preliminary Site assessment is underway. Reportedly, MTBE was detected during the investigation. The abatement method listed involves the installation of an impermeable layer to reduce rainfall infiltration and essentially cap the area. This facility is also listed on the Ca. FID, HAZNET, and CORTESE databases. Based on the approximate cross- to downgradient location from the Site, it is Dames & Moore's opinion that the potential for this facility to have created a REC at the Site is low.

Santa Barbara Research Center (B17) is located at 163 Aero Camino, 1/8 to 1/4 mile southeast of the Site. This facility is listed on HAZNET, FINDS and RCRIS. This facility is designated as a RCRIS large quantity generator and a hazardous waste transporter. No violations were reported. Based on the regulatory status, it is Dames & Moore's opinion that the potential for this facility to have created a REC at the Site is low.

Facilities identified within 1/4 and 1/2 mile upgradient of the Site are discussed below.

PS Medical (25) is located at 125 B Cremona Drive, 1/4 to 1/2 mile west-southwest of the Site. This facility is listed on HAZNET, FINDS and RCRIS. This facility is listed as a RCRIS small quantity generator. Violations are not reported. Based on the regulatory status and the distance from the Site, it is Dames & Moore's opinion that the potential for this facility to have created a REC at the Site is low.

Los Carneros & Hollister Avenue (26) is located 1/4 to 1/2 mile southwest of the Site. This facility is listed on the Emergency Response Notification System (ERNS). Further information is not provided. Based on the distance from the Site, it is Dames & Moore's opinion that the potential for this facility to have created a REC at the Site is low.

FINAL PHASE I ENVIRONMENTAL SITE ASSESSMENT

125 Cremona Drive (27) is located $\frac{1}{4}$ to $\frac{1}{2}$ mile west-southwest of the Site. This facility is listed on ERNS. Further information is not provided. Based on the distance from the Site, it is Dames & Moore's opinion that the potential for this facility to have created a REC at the Site is low.

California Highway Patrol (G31 & G32) is located at 6465 Calle Real, $\frac{1}{4}$ to $\frac{1}{2}$ mile north of the Site. This facility is listed with one unleaded gasoline UST. The UST reportedly has a 12,000-gallon capacity and was installed in 1982. Leaks are not noted. This facility is also identified on Ca. FID. Based on the regulatory status and the distance from the Site, it is Dames & Moore's opinion that the potential for this facility to have created a REC at the Site is low.

Central Coast Analytical Services of Santa Barbara (G34) was located at 6483 D Calle Real, $\frac{1}{4}$ to $\frac{1}{2}$ mile north of the Site. This facility is listed on FINDS and RCRIS. This facility is identified as a RCRIS small quantity generator. Violations are not reported. Based on the regulatory status and the distance from the Site, it is Dames & Moore's opinion that the potential for this facility to have created a REC at the Site is low.

Viscarras Refinishing (35) is located at 6489 Calle Real, Suite F, $\frac{1}{4}$ to $\frac{1}{2}$ mile north of the Site. This facility is listed on FINDS and RCRIS. This facility is identified as a RCRIS small quantity generator. Violations are not reported. Based on the regulatory status and the distance from the Site, it is Dames & Moore's opinion that the potential for this facility to have created a REC at the Site is low.

FAA Santa Barbara Airport RTR (38) is located at 6551 Hollister Avenue, $\frac{1}{4}$ to $\frac{1}{2}$ mile south-southwest of the Site. This facility is identified on Ca. FID as an active UST location. Further information is not provided. Based on the downgradient location and the distance from the Site, it is Dames & Moore's opinion that the potential for this facility to have created a REC at the Site is low.

Facilities identified between $\frac{1}{2}$ and one-mile upgradient of the Site are discussed below.

Moseley Associates, Inc. (50) is located at 111 Castilian Drive, $\frac{1}{2}$ to one-mile west of the Site. This facility is listed on the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) CalSites database. The status is listed as, "no further action for DTSC," as of October 12, 1994. Based on the regulatory status and the distance from the Site, it is Dames & Moore's opinion that the potential for this facility to have created a REC at the Site is low.

Those addresses listed as unmappable/orphan facilities were not observed to be within $\frac{1}{4}$ mile of the Site during the drive-by survey of vicinity properties at the time of the Site visit.

FINAL PHASE I ENVIRONMENTAL SITE ASSESSMENT

3.1.2 AGENCY CONTACTS

Santa Barbara County Fire Department – Protective Services Division (SBCFD) - Dames & Moore spoke with Ms. Dorothy Christmas (file review secretary) of the Protective Services Division. Based on phone conversations and a review of available lists (the listing of Site Mitigation Cleanup Sites and Listing of Underground Tank Cleanup Sites), no file or file information currently exists for the Site.

Santa Barbara County Air Pollution Control District (APCD) – Dames & Moore spoke with Ms. Paula Iorio (air quality specialist). Because no street addresses have been assigned to the Tract Lots, no records or file information currently exists for the Site.

Santa Barbara County Agricultural Commissioner's Office (SBCACO) - Dames & Moore spoke with Mr. Dave Chang (supervising agricultural biologist). Mr. Chang indicated that no records or file information currently exist for the site. Agricultural activities occurred at the site in the 1930's and 1940's, and the SBCACO has only been maintaining records for approximately five years. However, it is unlikely that any chemicals used at that time would constitute a REC at the site.

Regional Water Quality Control Board (RWQCB) – Dames & Moore has contacted Mr. Richard Alschire at the RWQCB for further information regarding the Macaluso facility at 137 Aero Camino, however, a response has not yet been received. Dames & Moore will forward any pertinent information when it is available.

3.2 PHYSICAL CHARACTERISTICS

3.2.1 TOPOGRAPHY

According to the USGS 7.5 minute topographic quadrangle map (Goleta, California quadrangle), the subject Site lies at an approximate elevation of 10 feet above mean sea level. The surface topography at the Site is slightly hilly, but generally trends to the south-southwest.

3.2.2 GEOLOGY/SOILS

The subject property is located in the Goleta Valley on a gently south-sloping coastal plain formed by deposition from streams flowing out of the Santa Ynez Mountains to the north. The geology in the vicinity of the Site consists of south dipping Tertiary marine and non-marine sedimentary rock units that make up the Santa Ynez Range. These units are slightly folded under the Goleta area and are unconformably overlain by the nearly flat lying, Quaternary age, Santa Barbara Formation. The Santa Barbara Formation is overlain by recent alluvial deposits, which directly underlie the Site.

FINAL PHASE I ENVIRONMENTAL SITE ASSESSMENT

3.2.3 AREA HYDROGEOLOGY

The nearest surface water is Los Carneros Creek, a small intermittent stream located approximately 500 feet east of the Site. The Santa Barbara Channel is located approximately 1¼ mile south of the Site. The Site is located within the Goleta Groundwater Basin, which is bounded by Modoc Road on the east, the west end of Hollister Avenue to the west, the Santa Ynez Foothills to the north and the Santa Barbara Channel to the south. According to the Goleta Water District, domestic wells in the vicinity produce water from a depth of 60 to 120 feet below ground surface (bgs). Based on data generated by Dames & Moore for nearby properties, first groundwater is encountered at approximately 10 feet or less below grade. Groundwater flow direction in the vicinity of the Site is to the south-southeast.

3.2.4 OIL AND GAS WELLS

The 1994 Munger Map Book of California and Alaskan Oil Fields was reviewed for information regarding the subject property. One uncompleted abandoned oil well appears to be located approximately 1,300 feet east of the Site. The well was reportedly advanced to 3,300 feet bgs in 1954.

3.2.5 WETLANDS

Dames & Moore reviewed the National Wetlands Inventory Map with coverage of the subject property. Designated wetlands and other waters under the jurisdiction of the Army Corps of Engineers do not occur on the subject property. A portion of the southern adjacent tract is considered a designated wetlands area.

3.3 SITE HISTORY INFORMATION

3.3.1 AERIAL PHOTOGRAPHS AND TOPOGRAPHIC MAPS

Dames & Moore's understanding of the subject property's history is based on our review of aerial photographs, topographic maps, interviews and other documents that were readily available. A chronological summary of this information is provided below.

- | | |
|------|--|
| 1903 | The 1903 topographic map shows the Site depicted as vacant land. The Southern Pacific Railroad tracks are shown adjacent to the north of the Site, with vacant land and a creek beyond. A wetland area (the Goleta slough) is shown extending up to the southern portion of the south. Areas adjacent to the east and west of the Site appear to be vacant land. A road was noted approximately 900 feet south of the Site, in the present day location of Hollister Avenue. |
| 1938 | In the 1938 aerial photograph, the Site appears to be orchard and agricultural land. A small pond appears to be located in the northwestern portion of the Site. The wetland area previously observed on the 1903 topographic map, |

FINAL PHASE I ENVIRONMENTAL SITE ASSESSMENT

adjacent to the south of the Site, has shrunk back to south of Hollister Avenue. The area adjacent to the west appears to be vacant land. A north-south trending linear feature, possibly an unpaved road, was noted dissecting the area adjacent to the east of the Site. The area adjacent to the north of the Site appears essentially the same as shown on the 1903 topographic map. Los Carneros Creek (a linear feature) was noted approximately 500 feet east of the Site. A reservoir was noted approximately 1,200 feet north-northeast of the Site, in the present day location of Lake Los Carneros. Features, which appear to be a farmhouse and associated agricultural structures, were observed approximately 1,800 feet east of the Site.

- 1947 In the 1947 aerial photograph, about half of the Site appears to be an orchard, and half is vacant land. The small pond previously described in the northwestern portion of the Site is still visible. Several north-south trending linear features, possibly unpaved roads, were noted dissecting the area adjacent to the east of the Site. Southern Pacific Railroad tracks are visible to the north of the Site, with a strip of vacant land and U.S. Highway 101 beyond. The area adjacent to the south of the Site appears to be vacant land. A creek was noted approximately 800 feet south of the southwest corner of the Site. Santa Barbara Airport was visible approximately 1,500 feet southeast of the Site. Other previously described areas have remained essentially unchanged.
- 1950's The 1950 topographic map and the 1959 aerial photograph show the Site essentially unchanged. Several reservoirs were noted to the north of the Site, beyond Highway 101. The area adjacent to the east of the Site appears to be vacant graded land, with an new paved road, in the present day location of Aero Camino. The area adjacent to the west of the Site appears to be vacant land. Commercial/industrial type structures were noted approximately 700 feet east of the Site
- 1967 The 1967 topographic map shows the Site essentially unchanged. In the 1967 aerial photograph, a dirt road was noted extending in an east-west trending direction in the southern portion of the Site. Commercial/industrial type structures are located adjacent to the east of the Site along Aero Camino. Los Carneros Road and a bridge over U.S. Highway 101 were noted adjacent to the west of the Site. The area adjacent to the west of the Site, beyond Los Carneros Road, appears to be dissected by dirt roads. A small reservoir was visible approximately 700 feet east-southeast of the Site. A new commercial/industrial type structure and parking lot are located approximately 700 feet south of the southwest corner of the Site. A large pond is noted approximately 900 feet northeast of the Site, downgradient of Lake Los Carneros, beyond Highway 101. The topographic map depicts commercial/industrial type structures approximately ½ mile west-southwest of the Site.

FINAL PHASE I ENVIRONMENTAL SITE ASSESSMENT

1977 The 1977 aerial photograph shows the Site and adjacent areas essentially unchanged, except for the addition of more commercial/industrial type structures adjacent to the east of the Site. More commercial/industrial type structures were also noted to the south of the Site. Development has continued within the Site vicinity.

1980's The 1982 and 1988 topographic maps show the Site essentially unchanged. More commercial/industrial type structures are noted adjacent to the east of the Site. More commercial/industrial type structures were also noted to the south of the Site.

In the 1989 aerial photograph the Site appears to be primarily vacant land, with a possible area of shallow, standing water noted in the northeastern portion of the Site. Dirt roads appear to dissect the southern portion of the Site and extend along the northern and eastern edges of the Site. The area adjacent to the south of the Site appears to be vacant land. The area adjacent to the west of the Site, beyond Los Carneros Road, appears to be graded for development. Commercial/industrial type structures were noted southwest of the Site, beyond Los Carneros Road and to the north of the Site, beyond Highway 101.

1994 The 1994 aerial photograph shows the Site essentially unchanged. The area of shallow, standing water noted in the northeastern portion of the Site is no longer present. Commercial/industrial type structures were noted approximately 500 feet west of the Site, beyond Los Carneros Road. The configuration of Los Carneros Road has changed to the southwest of the site.

3.3.2 SANBORN MAPS

No Sanborn Map coverage was available for the Site

3.3.3 INTERVIEWS

Mr. Douglas Deaver, Chief Financial Officer for The Towbes Group, was interviewed and provided Site information. Mr. Deaver was not aware of hazardous materials violations, injunctions or corrective actions associated with the Site.

3.3.4 PREVIOUS DOCUMENTS

Previous documents regarding the Site were not provided for review.

FINAL PHASE I ENVIRONMENTAL SITE ASSESSMENT

3.3.5 OTHER ENVIRONMENTAL ISSUES

Based on the scope of services outlined in these documents, the ESA specifically did not include asbestos, radon gas, lead-based paint, lead in drinking water, soil, or groundwater testing. In addition, this ESA did not include a compliance audit or wetlands evaluation.

4.0 SITE RECONNAISSANCE

Mr. Douglas Hahn of Dames & Moore conducted a reconnaissance of the subject property on March 30, 1999. The Site visit consisted of a walking tour of the subject property. Site photographs are provided in Appendix A. Our observations are noted below.

The Site consists of approximately 21.1 acres of undeveloped vacant land. No structures are located on the Site.

4.1 Hazardous Materials or Wastes

Use or storage of hazardous or regulated substances or wastes was not observed on the Site.

4.2 Solid Waste

Trash, including 30-40 old tires, a portable toilet, miscellaneous PVC piping and a five gallon container of apparent waste oil were observed in one concentrated area of the large fill pile on the southeast corner of the Site. Approximately 20 additional old tires were observed scattered throughout the fill pile. Two discarded automotive rear axle housings and a portion of a car frame were observed on the Site. A 15-foot long by 2-foot diameter section of discarded cement pipe (possibly asbestos-containing Transite) was observed on the western side of the Site adjacent to Los Carneros Road. The source of these debris items is not known.

4.3 Wastewater

Wastewater is reportedly not generated on the Site. Three sewer manhole covers were noted along the eastern portion of the Site.

4.4 ASTs

No aboveground storage tanks (ASTs) were observed or reported to be present on the Site.

4.5 USTs

Evidence of underground storage tanks (USTs) was not observed on the Site. USTs are reportedly not located on the Site.

4.6 Drums

None observed or reported.

FINAL PHASE I ENVIRONMENTAL SITE ASSESSMENT

4.7 Drains, Sumps, or Clarifiers

A corrugated metal stormwater outfall pipe was noted on the western portion of the Site on the slope leading up to Los Carneros Road. Water was not noted in or downstream from the pipe at the time of the site reconnaissance.

4.8 Discolored Pavement or Soil

Discolored soil was not observed or reported. No paved areas were observed on the subject property.

4.9 Pits, Ponds, or Lagoons

Several small areas of standing water and/or wet ground were observed on the Site. These appeared to be the result of recent rainfall.

4.10 PCBs

Equipment that may have PCB-containing fluids was not observed during the site reconnaissance. Approximately 16 pole-mounted transformers were observed on utility poles running along the eastern boundary of the Site.

4.11 Wells

One recently installed water well (currently inoperative) was observed fitted with PVC piping, with at least two visible vertical piping runs branching off to the southeast and southwest of the Site, leading eventually to the southern section of the property. An older, large vertical cement conduit in the southeast area of the Site is installed into the ground. This may be a remnant of past agricultural activities.

5.0 FINDINGS AND CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-97 for the Vacant Residential Properties (northern portion) located in the 6400 block of Hollister Avenue, Goleta, California. Any exceptions to, or deletions from, this practice are described in the body of this report. This assessment has not revealed evidence of Recognized Environmental Conditions in association with the property.

6.0 LIMITATIONS

The conclusions presented in this report are professional opinions based solely upon indicated data described in this report, visual observations of the Site and vicinity, and our interpretation of the available historical information and documents reviewed, as described in this report. They are intended exclusively for the purpose outlined herein and the Site locations and project indicated.

FINAL PHASE I ENVIRONMENTAL SITE ASSESSMENT

It should be recognized that this study was not intended to be a definitive investigation of contamination at the subject property and the conclusions provided are not necessarily inclusive of all the possible conditions. Given that the scope of services for this investigation was limited and that exploratory borings, soil and/or groundwater sampling or analytical testing were not undertaken, it is possible that currently unrecognized subsurface contamination may exist at the Site. Dames & Moore makes no representations regarding the value or marketability of the Site or the suitability for any particular use, and none should be inferred based on this report.

Opinions and recommendations presented herein apply to the Site conditions existing at the time of our investigations and cannot necessarily apply to Site changes of which Dames & Moore is not aware and has not had the opportunity to evaluate. Changes in the conditions of this property may occur with time due to natural processes or the works of man on the subject Site or adjacent properties. Changes in applicable standards may also occur as a result of legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated, wholly or in part, by changes beyond our control.

This report was prepared by:

DAMES & MOORE



Douglas L. Hahn
Senior Environmental Scientist

Reviewed by:

DAMES & MOORE



Ms. Amalia Cross, R.G.
Senior Geologist

FINAL PHASE I ENVIRONMENTAL SITE ASSESSMENT

7.0 REFERENCES

- Aerial photographs supplied by Environmental Data Resources, Inc. dated 1938, 1947, 1959, 1967, 1977, 1989, and 1994.
- Dibblee, T.W. Jr. 1966. Geology of the Central Santa Ynez Mountains, Santa Barbara County, California. California Division of Mines and Geology, Bulletin 186, San Francisco.
- Environmental Data Resources, agency database report, March 24, 1999.
- Munger Map Book of California and Alaska Oil and Gas Fields, 1994.
- USGS topographic map, Goleta, California quadrangle, 1903.
- USGS topographic map, Goleta, California quadrangle, 1943.
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- Upton, J. E., 1951. Geology and Ground-Water Resources of the South-Coast Basins of Santa Barbara County, California, Geological Survey Water-Supply Paper 1108.

TAB
Figures



R 29 W R 28 W



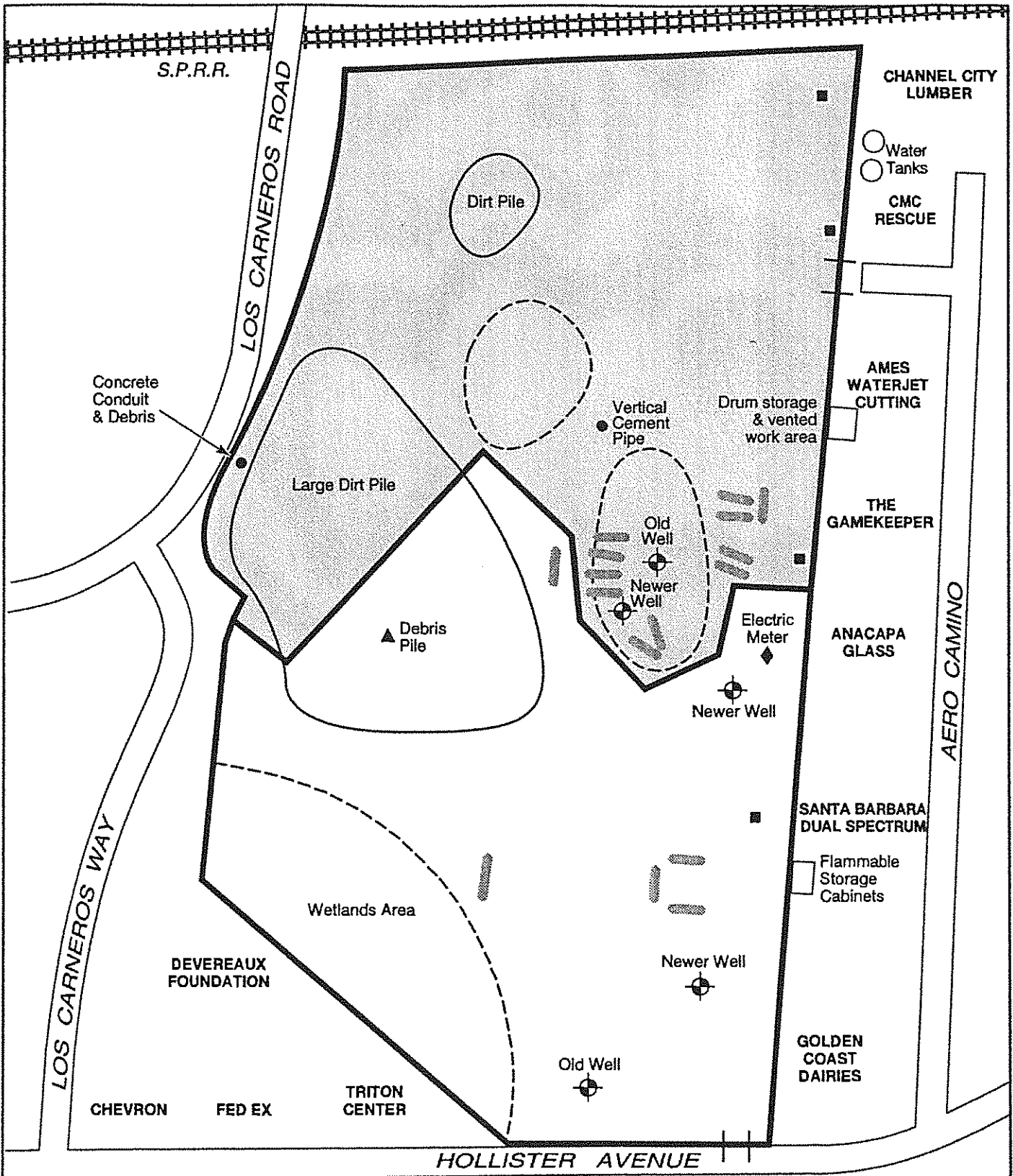
Scale in Miles
 Base Map: USGS 7.5' Topographic Quadrangle:
 Goleta, CA 1950 (Photorevised 1988)

FIGURE 1

SITE LOCATION MAP
The Towbes Group
 6400 Block of Hollister Ave.
 Goleta, California



DAMES & MOORE
 A DAMES & MOORE GROUP COMPANY




EXPLANATION

■	Sewer
▨	Trench
---	Fenced Areas

FIGURE 2

SITE VICINITY MAP
 The Towbes Group
 6400 Block of Hollister Ave.
 Goleta, California


DAMES & MOORE
A DAMES & MOORE GROUP COMPANY

TAB
appendix A

APPENDIX A
SITE PHOTOGRAPHS

SITE PHOTOGRAPHS
The Towbes Group



Photo 1. View of site looking south from northeast corner.



Photo 2. View of site looking east from northwest corner.

SITE PHOTOGRAPHS
The Towbes Group



Photo 3. Newer water well on south of site.



Photo 4. Vertical cement pipe south of site.

SITE PHOTOGRAPHS
The Towbes Group



Photo 5. Stored drums on east adjacent property.



Photo 6. Enclosure and vent pipe on east adjacent property.

SITE PHOTOGRAPHS
The Towbes Group



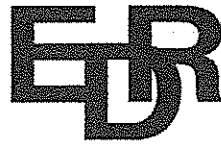
Photo 7. Miscellaneous waste on east adjacent property.



Photo 8. Miscellaneous waste on east adjacent property.

TAB
Appendix B

APPENDIX B
EDR DATABASE REPORT



**Environmental
Data
Resources, Inc.**
an *edr* company

The EDR-Radius Map with GeoCheck®

**Vacant Land
Camino Vista/Via Las Flores
Goleta, CA 93117**

Inquiry Number: 0351065.4r

March 24, 1999

***The Source* For Environmental Risk Management Data**

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

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

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary.....	ES1
Topographic Map.....	2
GeoCheck Summary.....	3
Overview Map.....	5
Detail Map.....	6
Map Summary.....	7
Map Findings.....	8
Orphan Summary.....	65
 <u>APPENDICES</u>	
GeoCheck Version 2.1.....	A1
EPA Waste Codes.....	A6
Government Records Searched / Data Currency Tracking Addendum.....	A8

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 meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-97. Search distances are per ASTM standard or custom distances requested by the user.

The address of the subject property for which the search was intended is:

CAMINO VISTA VIA LAS FLORES
GOLETA, CA 93117

No mapped sites were found in EDR's search of available (*reasonably ascertainable *) government records either on the subject property or within the ASTM E 1527-97 search radius around the subject property for the following Databases:

NPL:	.....	National Priority List
Delisted NPL:	.....	NPL Deletions
AWP:	.....	AWP
Notify 65:	.....	Notify 65
CHMIRS:	.....	California Hazardous Material Incident Report System
Toxic Pits:	.....	Toxic Pits
CERCLIS:	.....	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP:	.....	Comprehensive Environmental Response, Compensation, and Liability Information System
SWF/LF:	.....	State Landfill
AST:	.....	Aboveground Petroleum Storage Tank Facilities
RAATS:	.....	RCRA Administrative Action Tracking System
WMUDS:	.....	WMUDS/SWAT
PADS:	.....	PCB Activity Database System
TRIS:	.....	Toxic Chemical Release Inventory System
TSCA:	.....	Toxic Substances Control Act
MLTS:	.....	Material Licensing Tracking System
NPL Lien:	.....	NPL Liens
Ca. BEP:	.....	CA Bond Exp. Plan
ROD:	.....	ROD
CONSENT:	.....	Superfund (CERCLA) Consent Decrees
Ca. WDS:	.....	CA WDS
S Bay Reg. 2:	.....	South Bay Region 2
Coal Gas:	.....	Former Manufactured gas (Coal Gas) Sites.

Unmapped (orphan) sites are not considered in the foregoing analysis.

Search Results:

Search results for the subject property and the search radius, are listed below:

Subject Property:

The subject property was not listed in any of the databases searched by EDR.

EXECUTIVE SUMMARY

Surrounding Properties:

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.

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-TSD list, as provided by EDR, and dated 10/01/1998 has revealed that there are 2 RCRIS-TSD sites within approximately 0.75 miles of the subject property.

<u>Site</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>RAYTHEON ELECTROMAGNETIC SYSTE</i>	<i>6380 HOLLISTER AVE</i>	<i>1/4 - 1/2 ESE</i>	<i>I41</i>	<i>33</i>
<i>SANTA BARBARA RESEARCH CENTER</i>	<i>75 COROMAR DR</i>	<i>1/2 - 1 WSW</i>	<i>53</i>	<i>49</i>

CAL-SITES: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control.

A review of the Cal-Sites list, as provided by EDR, has revealed that there are 2 Cal-Sites sites within approximately 0.75 miles of the subject property.

<u>Site</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MOSELEY ASSOCIATES, INC	111 CASTILIAN DR	1/2 - 1 W	50	39
<i>SANTA BARBARA RESEARCH CENTER</i>	<i>75 COROMAR DR</i>	<i>1/2 - 1 WSW</i>	<i>53</i>	<i>49</i>

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, has revealed that there are 3 Cortese sites within approximately 0.75 miles of the subject property.

<u>Site</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>CHEVRON STATION</i>	<i>6470 HOLLISTER AVE</i>	<i>1/8 - 1/4 SSW</i>	<i>C15</i>	<i>15</i>
<i>DISCOUNT MUFFLER & BRAKE</i>	<i>6410 HOLLISTER AVE</i>	<i>1/4 - 1/2 SE</i>	<i>D19</i>	<i>21</i>
<i>SANTA BARBARA AVIATION FUEL FA</i>	<i>ARNOLD PLACE</i>	<i>1/4 - 1/2 SE</i>	<i>E28</i>	<i>26</i>

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/01/1998 has revealed that there are 3 CORRACTS sites within approximately 1.25 miles of the subject property.

<u>Site</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>RAYTHEON ELECTROMAGNETIC SYSTE</i>	<i>6380 HOLLISTER AVE</i>	<i>1/4 - 1/2 ESE</i>	<i>I41</i>	<i>33</i>

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>SANTA BARBARA RESEARCH CENTER</i>	<i>75 COROMAR DR</i>	<i>1/2 - 1 WSW</i>	<i>53</i>	<i>49</i>
<i>DELCO ELECTRONICS CORP</i>	<i>6767 HOLLISTER AVENUE</i>	<i>1/2 - 1 WSW</i>	<i>55</i>	<i>63</i>

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 10/01/1998 has revealed that there are 11 LUST sites within approximately 0.75 miles of the subject property.

<u>Site</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BERGAN BRUNSWICK	99 AERO CAMINO	1/8 - 1/4 E	A2	8
ARROWHEAD DRINKING WATER	122 AERO CAMINO	1/8 - 1/4 ESE	A5	10
CONTINENTAL BAKING CO.	153 AERO CAMINO	1/8 - 1/4 SE	B12	13
GOLD COAST DAIRY	6416 HOLLISTER AVE	1/8 - 1/4 SSE	13	14
<i>CHEVRON STATION</i>	<i>6470 HOLLISTER AVE</i>	<i>1/8 - 1/4 SSW</i>	<i>C15</i>	<i>15</i>
<i>DISCOUNT MUFFLER & BRAKE</i>	<i>6410 HOLLISTER AVE</i>	<i>1/4 - 1/2 SE</i>	<i>D19</i>	<i>21</i>
S.B. CITY, AIRPORT MAINT.	1699 FIRESTONE RD	1/4 - 1/2 SE	D21	23
<i>SANTA BARBARA AVIATION FUEL FA</i>	<i>ARNOLD PLACE</i>	<i>1/4 - 1/2 SE</i>	<i>E28</i>	<i>26</i>
CITY OF SANTA BARBARA AIRPORT	1301 FIRESTONE RD	1/2 - 1 ESE	49	38
<i>SANTA BARBARA LEMON ASSOC.</i>	<i>30 S LA PATERA LN</i>	<i>1/2 - 1 ENE</i>	<i>51</i>	<i>39</i>
<i>APPLIED MAGNETICS CORPORATION</i>	<i>6300 HOLLISTER AVE</i>	<i>1/2 - 1 E</i>	<i>52</i>	<i>41</i>

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 11 UST sites within approximately 0.5 miles of the subject property.

<u>Site</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BERGEN BRUNSWIG-SANTA BARBARA	99 AERO CAMINO	1/8 - 1/4 E	A1	8
ARROWHEAD SANTA BARBARA BRANCH	122 AERO CAMINO	1/8 - 1/4 ESE	A4	9
94419	6470 HOLLISTER AVE	1/8 - 1/4 SSW	C16	17
GOLDEN COAST DAIRY	6416 HOLLISTER	1/4 - 1/2 SE	D18	21
BUILDING 306	1699 FIRESTONE ROAD	1/4 - 1/2 SE	D20	22
ISLA VISTA SANITARY DISTRICT	1 ADAMS ROAD	1/4 - 1/2 SE	D22	24
ELECTROMAGNETIC SYSTEMS DIVISI	6380 HOLLISTER AVENUE	1/4 - 1/2 ESE	E24	25
<i>SANTA BARBARA AVIATION FUEL FA</i>	<i>ARNOLD PLACE</i>	<i>1/4 - 1/2 SE</i>	<i>E28</i>	<i>26</i>
CALIFORNIA HIGHWAY PATROL	6465 CALLE REAL	1/4 - 1/2 N	G32	28
ROBIN HILL	75 ROBIN HILL ROAD	1/4 - 1/2 E	H36	30
ASR-RADAR	1503 CECIL COOK PLACE	1/4 - 1/2 ESE	J46	36

CA FID: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the Ca. FID list, as provided by EDR, has revealed that there are 14 Ca. FID sites within approximately 0.5 miles of the subject property.

<u>Site</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
GOLDEN COAST DAIRY	6416 HOLLISTER AVE	1/8 - 1/4 SSE	7	11

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON STATION #9-4419	6470 HOLLISTER AVE	1/8 - 1/4 SSW	C14	15
SB CITY AIRPORT ADMINISTRATION	1699 FIRESTONE RD	1/4 - 1/2 SE	D23	24
DYNASEN INC	100 ARNOLD PL	1/4 - 1/2 SE	F29	28
SANTA BARBARA AVIATION INC	ARNOLD PL	1/4 - 1/2 SE	F30	28
CALIFORNIA HIGHWAY PATROL	6465 CALLE REAL	1/4 - 1/2 N	G31	28
FAA SANTA BARBARA AIRPORT RTR	6551 HOLLISTER AVE	1/4 - 1/2 SW	38	32
APPLIED MAGNETICS CORP	75 ROBIN HILL RD	1/4 - 1/2 E	39	32
SB JET CHARTER	1601 COOK PL	1/4 - 1/2 SE	40	33
ARBITER SYSTEMS, INC.	1402 FIRESTONE RD	1/4 - 1/2 ESE	I42	35
SANTA BARBARA, CITY OF VACANT	1401 FIRESTONE RD	1/4 - 1/2 ESE	I43	35
SAIC-MARIPRO	1522 COOK PL	1/4 - 1/2 SE	J44	36
FAA SANTA BARBARA AIRPORT ASR	1505 COOK PL	1/4 - 1/2 ESE	J45	36
FAA SANTA BARBARA AIRPORT ATCT	1503 COOK PL	1/4 - 1/2 ESE	J47	37

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-SQG list, as provided by EDR, and dated 10/01/1998 has revealed that there are 8 RCRIS-SQG sites within approximately 0.5 miles of the subject property.

<u>Site</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>RAYTHEON CO ESD</i>	<i>7 S LOS CARNEROS RD</i>	<i>1/8 - 1/4 NNW</i>	<i>3</i>	<i>9</i>
<i>J S GRAPHIX INC</i>	<i>136 AERO CAMINO</i>	<i>1/8 - 1/4 ESE</i>	<i>A6</i>	<i>11</i>
<i>RIDAL CORP</i>	<i>57 AERO CAMINO</i>	<i>1/8 - 1/4 ENE</i>	<i>9</i>	<i>12</i>
<i>SUPERCONDUCTOR TECHNOLOGIES IN</i>	<i>150 AERO CAMINO</i>	<i>1/8 - 1/4 ESE</i>	<i>B10</i>	<i>12</i>
<i>PS MEDICAL</i>	<i>125 B CREMONA DR</i>	<i>1/4 - 1/2 WSW</i>	<i>25</i>	<i>25</i>
<i>CENTRAL COAST ANAL SVC OF SB</i>	<i>6483 D CALLE REAL</i>	<i>1/4 - 1/2 N</i>	<i>G34</i>	<i>30</i>
<i>VISCARRAS REFINISHING</i>	<i>6489 CALLE REAL SUITE F</i>	<i>1/4 - 1/2 N</i>	<i>35</i>	<i>30</i>
<i>DOLLAR ROOFING</i>	<i>6326 LINDMAR DR</i>	<i>1/4 - 1/2 E</i>	<i>48</i>	<i>37</i>

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-LQG list, as provided by EDR, and dated 10/01/1998 has revealed that there are 3 RCRIS-LQG sites within approximately 0.5 miles of the subject property.

<u>Site</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>SANTA BARBARA RESEARCH CENTER</i>	<i>163 AERO CAMINO</i>	<i>1/8 - 1/4 SE</i>	<i>B17</i>	<i>17</i>
<i>APPLIED MAGNETICS CORP</i>	<i>75 ROBIN HILL RD</i>	<i>1/4 - 1/2 E</i>	<i>H37</i>	<i>31</i>
<i>RAYTHEON ELECTROMAGNETIC SYSTE</i>	<i>6380 HOLLISTER AVE</i>	<i>1/4 - 1/2 ESE</i>	<i>I41</i>	<i>33</i>

EXECUTIVE SUMMARY

HMIRS: The Hazardous Materials Incident Report System contains hazardous material spill incidents reported to the Department of Transportation. The source of this database is the U.S. EPA.

A review of the HMIRS list, as provided by EDR, and dated 12/31/1997 has revealed that there is 1 HMIRS site within approximately 0.25 miles of the subject property.

<u>Site</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
Not reported	6466 HOLLISTER AVE	1/8 - 1/4 SSW	C11	13

ERNS: The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 12/31/1998 has revealed that there are 2 ERNS sites within approximately 0.375 miles of the subject property.

<u>Site</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LOS CARNAROS & HOLLISER AVE	LOS CARNAROS & HOLLISER	1/4 - 1/2 SW	26	26
125 CREMONA DR.	125 CREMONA DR.	1/4 - 1/2 WSW	27	26

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 09/30/1997 has revealed that there are 5 FINDS sites within approximately 0.25 miles of the subject property.

<u>Site</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>RAYTHEON CO ESD</i>	<i>7 S LOS CARNEROS RD</i>	<i>1/8 - 1/4 NNW</i>	<i>3</i>	<i>9</i>
<i>J S GRAPHIX INC</i>	<i>136 AERO CAMINO</i>	<i>1/8 - 1/4 ESE</i>	<i>A6</i>	<i>11</i>
<i>RIDAL CORP</i>	<i>57 AERO CAMINO</i>	<i>1/8 - 1/4 ENE</i>	<i>9</i>	<i>12</i>
<i>SUPERCONDUCTOR TECHNOLOGIES IN</i>	<i>150 AERO CAMINO</i>	<i>1/8 - 1/4 ESE</i>	<i>B10</i>	<i>12</i>
<i>SANTA BARBARA RESEARCH CENTER</i>	<i>163 AERO CAMINO</i>	<i>1/8 - 1/4 SE</i>	<i>B17</i>	<i>17</i>

CA SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the CA SLIC list, as provided by EDR, has revealed that there are 4 CA SLIC sites within approximately 0.75 miles of the subject property.

<u>Site</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MACALUSO PROPERTY	137 AERO CAMINO	1/8 - 1/4 ESE	B8	11
FAA, SB AIRPORT	10 BURNS PL	1/4 - 1/2 ESE	33	29
<i>RAYTHEON ELECTROMAGNETIC SYSTE</i>	<i>6380 HOLLISTER AVE</i>	<i>1/4 - 1/2 ESE</i>	<i>141</i>	<i>33</i>
<i>RENCO CORP</i>	<i>26 COROMAR DR</i>	<i>1/2 - 1 WSW</i>	<i>54</i>	<i>61</i>

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

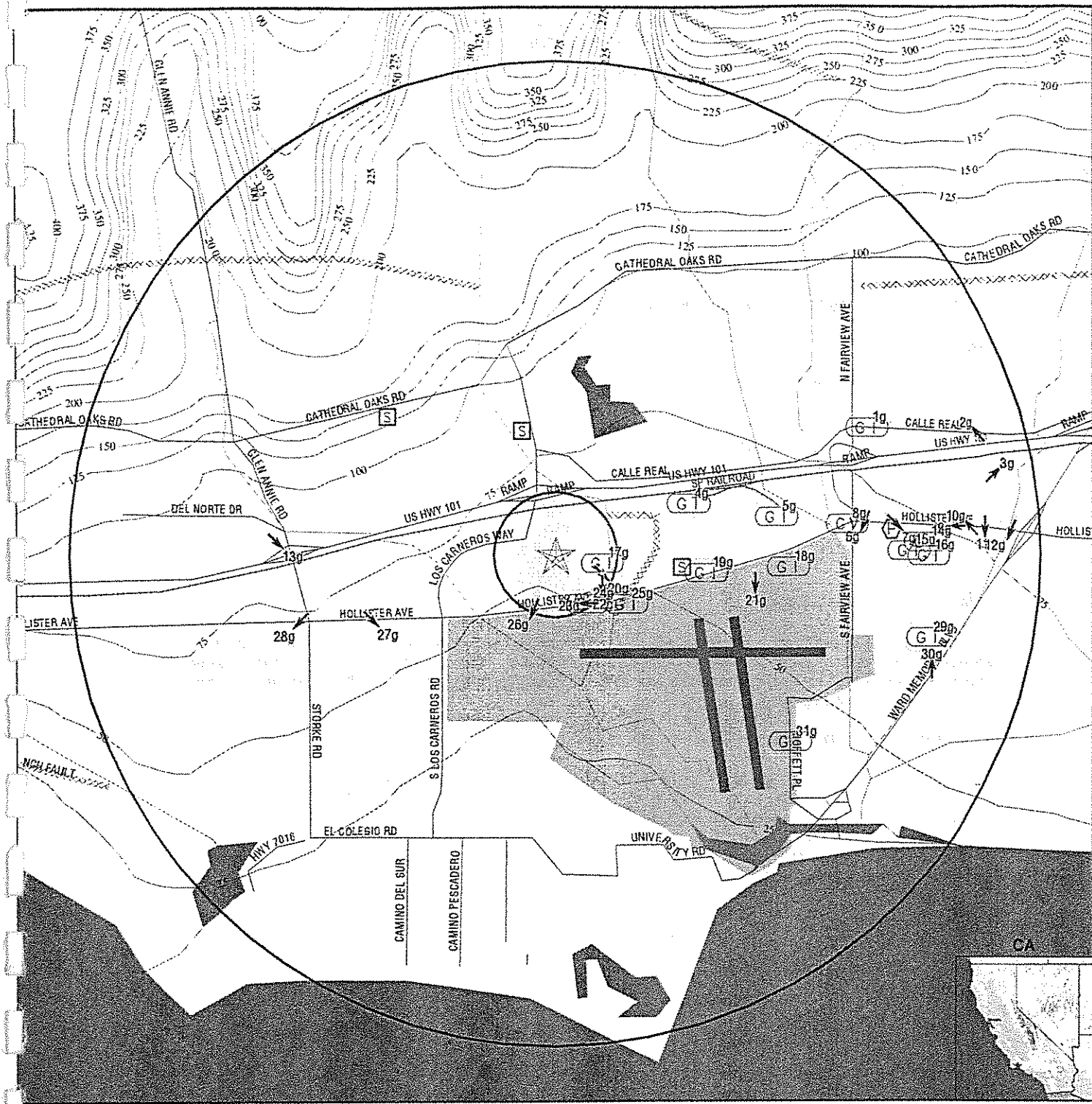
Site Name

RTR
1X CHEVRON USA
STEWART BROS AUTO
1X KMART
PIP PRINTING #1332
GTE

Database(s)

UST
HAZNET
HAZNET
HAZNET
HAZNET
HAZNET

TOPOGRAPHIC MAP - 0351065.4r - Dames & Moore



- Major Roads
- Contour Lines
- Waterways
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Closest Federal Well in quadrant
- Closest State Well in quadrant
- Closest Public Water Supply Well
- Closest Hydrogeological Data
- Oil, gas or related wells
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location

TARGET PROPERTY: Vacant Land
ADDRESS: Camino Vista/Via Las Flores
CITY/STATE/ZIP: Goleta CA 93117
LAT/LONG: 34.4341 / 119.8507

CUSTOMER: Dames & Moore
CONTACT: Anna Garcia
INQUIRY #: 0351065.4r
DATE: March 24, 1999 9:19 am

GEOCHECK VERSION 2.1 SUMMARY

TARGET PROPERTY COORDINATES

Latitude (North): 34.434101 - 34° 26' 2.8"
 Longitude (West): 119.850700 - 119° 51' 2.5"
 Universal Transverse Mercator: Zone 11
 UTM X (Meters): 238045.5
 UTM Y (Meters): 3813780.8

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property: 2434119-D7 GOLETA, CA

GEOLOGIC AGE IDENTIFICATION†

Geologic Code: Tm
 Era: Cenozoic
 System: Tertiary
 Series: Miocene

ROCK STRATIGRAPHIC UNIT‡

Category: Stratified Sequence

GROUNDWATER FLOW 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, including well data collected on nearby properties, regional groundwater flow information (from deep aquifers), or surface topography.‡

AQUIFLOW™ Search Radius: 2.000 Miles

MAP ID	DISTANCE FROM TP	DIRECTION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
2g	1 - 2 Miles	ENE	NW
3g	1 - 2 Miles	East	NE
4g	1/2 - 1 Mile	ENE	Not Reported
6g	1 - 2 Miles	East	SSW
7g	1 - 2 Miles	East	SE
8g	1 - 2 Miles	East	Varies
9g	1 - 2 Miles	East	W
10g	1 - 2 Miles	East	NW
11g	1 - 2 Miles	East	S
12g	1 - 2 Miles	East	SSW
13g	1 - 2 Miles	West	SE
20g	1/8 - 1/4 Mile	ESE	SE
21g	1/2 - 1 Mile	East	S
22g	1/8 - 1/4 Mile	SE	S
23g	1/8 - 1/4 Mile	SSE	W
24g	1/8 - 1/4 Mile	SSE	Not Reported
26g	1/8 - 1/4 Mile	SSW	SSW
27g	1/2 - 1 Mile	WSW	SE
28g	1 - 2 Miles	WSW	SW
30g	1 - 2 Miles	ESE	N
31g	1 - 2 Miles	SE	Flat

For additional site information, refer to GeoCheck Appendix.

† 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).
 ‡ U.S. EPA Ground Water Handbook, Vol I: Ground Water and Contamination, Office of Research and development EPA/625/6-90/018a, Chapter 4, page 78, September 1990.
 ** EDR AQUIFLOW™ information System of hydrogeologically determined groundwater flow directions at specific locations. See the date pages at the end of this report for a complete description.

GEOCHECK VERSION 2.1 SUMMARY

General Topographic Gradient at Target Property: General SSE
 General Hydrogeologic Gradient at Target Property: No hydrogeologic data available.
 Site-Specific Hydrogeological Data*:

Search Radius: 2.0 miles
 Status: Not found

FEDERAL DATABASE WELL INFORMATION

<u>WELL QUADRANT</u>	<u>DISTANCE FROM TP</u>	<u>LITHOLOGY</u>	<u>DEPTH TO WATER TABLE</u>
NO WELLS FOUND			

STATE DATABASE WELL INFORMATION

<u>WELL QUADRANT</u>	<u>DISTANCE FROM TP</u>
Northern	1/2 - 1 Mile
Eastern	1/2 - 1 Mile
Western	1/2 - 1 Mile

STATE OIL/GAS WELL INFORMATION

<u>API #</u>	<u>DISTANCE FROM TP</u>
NO WELLS FOUND	

PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Nearest PWS.

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

PWS Name: PACIFIC OFFSHORE PIPELINE CO
 PACIFIC OFFSHORE PIPELINE CO
 LAS FLORES CYN
 SANTA BARBARA, CA 93101

Location Relative to TP: 1 - 2 Miles East

PWS currently has or has had major violation(s): No

AREA RADON INFORMATION

EPA Radon Zone for SANTA BARBARA County: 1

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

Zip Code: 93117

Number of sites tested: 13

<u>Area</u>	<u>Average Activity</u>	<u>% <4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% >20 pCi/L</u>
Living Area - 1st Floor	2.915 pCi/L	85%	15%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.800 pCi/L	100%	0%	0%

OVERVIEW MAP - 0351065.4r - Dames & Moore



- ★ Target Property
- ▲ Toxic Sites
- ▲ Coal Gasification Sites (if requested)
- ▨ National Priority List Sites
- ▨ Landfill Sites

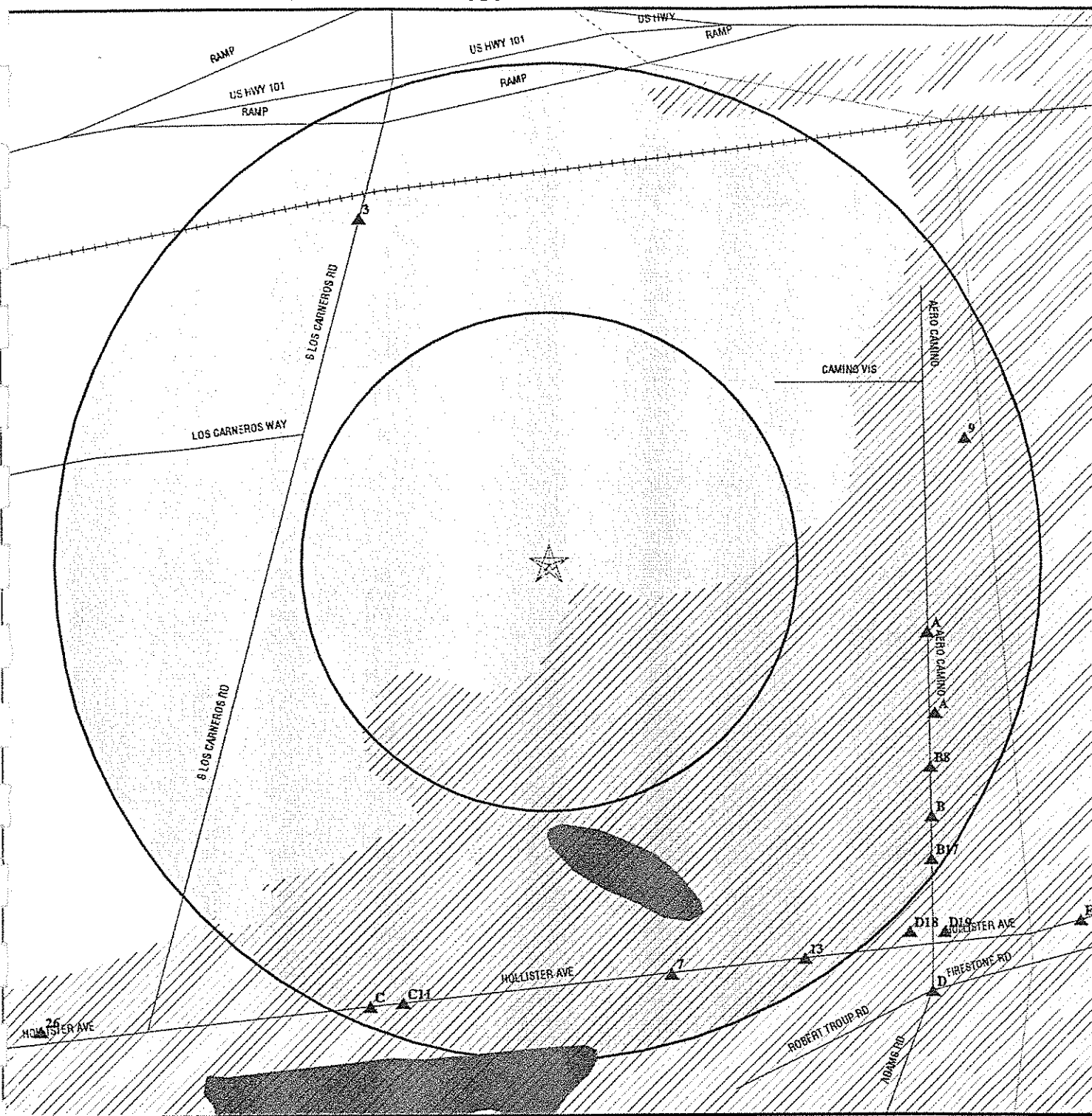
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- Wetlands per National Wetlands Inventory (1994)



TARGET PROPERTY: Vacant Land
ADDRESS: Camino Vista/Via Las Flores
CITY/STATE/ZIP: Goleta CA 93117
LAT/LONG: 34.4341 / 119.8507

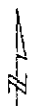
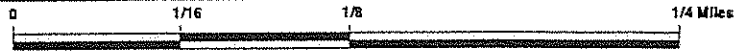
CUSTOMER: Dames & Moore
CONTACT: Anna Garcia
INQUIRY #: 0351065.4r
DATE: March 24, 1999 9:14 am

DETAIL MAP - 0351065.4r - Dames & Moore



- ★ Target Property
- ▲ Toxic Sites
- ▲ Coal Gasification Sites (if requested)
- ★ Sensitive Receptors
- ▨ National Priority List Sites
- ▨ Landfill Sites

- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- Wetlands per National Wetlands Inventory (1994)



TARGET PROPERTY: Vacant Land
 ADDRESS: Camino Vista/Via Las Flores
 CITY/STATE/ZIP: Goleta CA 93117
 LAT/LONG: 34.4341 / 119.8507

CUSTOMER: Dames & Moore
 CONTACT: Anna Garcia
 INQUIRY #: 0351065.4r
 DATE: March 24, 1999 9:17 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
NPL		1.250	0	0	0	0	0	0
Delisted NPL		0.250	0	0	NR	NR	NR	0
RCRIS-TSD		0.750	0	0	1	1	NR	2
AWP		0.150	0	0	NR	NR	NR	0
Cal-Sites		0.750	0	0	0	2	NR	2
Notify 65		0.150	0	0	NR	NR	NR	0
CHMIRS		0.150	0	0	NR	NR	NR	0
Cortese		0.750	0	1	2	0	NR	3
Toxic Pits		0.150	0	0	NR	NR	NR	0
CERCLIS		0.750	0	0	0	0	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.250	0	0	1	2	0	3
State Landfill		0.750	0	0	0	0	NR	0
LUST		0.750	0	5	3	3	NR	11
UST		0.500	0	3	8	NR	NR	11
CA FID		0.500	0	2	12	NR	NR	14
AST		0.500	0	0	0	NR	NR	0
RAATS		0.250	0	0	NR	NR	NR	0
WMUDS/SWAT		0.150	0	0	NR	NR	NR	0
HAZNET		0.150	0	3	NR	NR	NR	3
RCRIS Sm. Quan. Gen.		0.500	0	4	4	NR	NR	8
RCRIS Lg. Quan. Gen.		0.500	0	1	2	NR	NR	3
HMIRS		0.250	0	1	NR	NR	NR	1
PADS		0.250	0	0	NR	NR	NR	0
ERNS		0.375	0	0	2	NR	NR	2
FINDS		0.250	0	5	NR	NR	NR	5
TRIS		0.250	0	0	NR	NR	NR	0
TSCA		0.250	0	0	NR	NR	NR	0
MLTS		0.250	0	0	NR	NR	NR	0
NPL Liens		0.250	0	0	NR	NR	NR	0
CA SLIC		0.750	0	1	2	1	NR	4
CA Bond Exp. Plan		0.150	0	0	NR	NR	NR	0
ROD		0.250	0	0	NR	NR	NR	0
CONSENT		0.250	0	0	NR	NR	NR	0
CA WDS		0.150	0	0	NR	NR	NR	0
South Bay Region 2		0.150	0	0	NR	NR	NR	0
Coal Gas		0.250	0	0	NR	NR	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

A1	BERGEN BRUNSWIG-SANTA BARBARA	UST	U001580677
East	99 AERO CAMINO		N/A
1/8-1/4	GOLETA, CA 93117		
1025			

State UST:

Facility ID:	54675	Container Num:	1
Tank Num:	1	Year Installed:	Not reported
Tank Capacity:	10000	Tank Constrctn:	Not reported
Tank Used for:	PRODUCT	Telephone:	(805) 968-2571
Type of Fuel:	UNLEADED	Region:	Not reported
Leak Detection:	None	Other Type:	PHARMACEUTICAL DIST.
Contact Name:	JOHN SASSER, MGR.		
Total Tanks:	1		
Facility Type:	2		

A2	BERGAN BRUNSWICK	LUST	S102425185
East	99 AERO CAMINO		N/A
1/8-1/4	GOLETA, CA 92667		
1025			

State LUST:

Facility Type	INACTIVE	Cross Street:	HOLLISTER
Reg Board:	Central Coast Region	Qty Leaked:	Not reported
Chemical:	Gasoline		
Lead Agency:	Regional Board		
Case Type:	Other ground water affected		
Status:	Signed off, remedial action completed or deemed unnecessary		
Abate Method:	Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)		
Review Date:	04/10/1989	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	04/10/1989	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	05/15/1989	Release Date:	10/12/1988

LUST Region 3:

Enter Date:	04/12/89	PROP65 Mail:	False
Emergency:	False	Case Number:	263.00000
Reported By:	BINDER, CLARI SBCEH SANTA BARBARA COUNTY ENV HEALTH 315 CAMINO DEL REMEDIO		
Representing:	Local Agency		
Responsible Party:	BERGAN BRUNSWICK		
RP Address:	PO BOX 5915, ORANGE, CA 92667 (714)385-4335		
Operator:	SMIDT, GEORGE	Contact:	SMIDT, GEORGE
Cross Street:	HOLLISTER	Reg Board:	Central Coast Region
Local Agency:	42000	Quantity:	Not reported
Chemical:	Gasoline	Stop Date:	//
Discovered:	09/12/88	How Stopped:	Close Tank
How Found:	Tank Closure		
Source:	Tank		
Cause:	Unknown		
Lead Agency:	Regional Board		
Case Type:	Other ground water affected		
Priority:	0	Staff Initials:	RBA
Status:	Signed off, remedial action completed or deemed unnecessary		

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

BERGAN BRUNSWICK (Continued)

S102425185

Abate Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)

Refer Date:	03/16/89	Review Date:	04/10/89
R.P. Search:	Search Not Completed	Funding:	Not reported
Confirm Leak:	//	Workplan:	//
Prelim Assess:	//	Pollution Char:	04/10/89
Remed Plan:	//	Remed Action:	//
Monitoring:	//	Close Date:	05/15/89
Enforce Type:	Not reported	Pilot Program:	False
Enforce Date:	//	Tracking Use:	Not reported
First Tracking:	//	Tracking Use:	Not reported
Scnd Tracking:	//	Tracking Use:	Not reported
Third Tracking:	//	Region:	3
Interim Action:	False	Description:	GASOLINE
Contaminants:	GASOLINE	MTBE Detected:	No
MTBE Discharged:	//		
Site Phone:	(714)385-4335		
Watershed:	15.31		
Basin Plan:	Not reported		
Summary:	Not reported		

3
NNW
1/8-1/4
1041

RAYTHEON CO ESD
7 S LOS CARNEROS RD
GOLETA, CA 93117

RCRIS-SQG 1000407771
FINDS CAD982510083

RCRIS:

Owner: RAYTHEON COMPANY
(415) 555-1212

Contact: ENVIRONMENTAL MANAGER
(805) 967-5511

Record Date: 09/01/1996

Classification: Small Quantity Generator

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1995

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	6955.00	D007	10969.00
D008	2691.00	D035	128.00
F001	7984.00	F002	2985.00
F003	10969.00	F005	10969.00

Used Oil Recyc: No

Violation Status: No violations found

A4
ESE
1/8-1/4
1093

ARROWHEAD SANTA BARBARA BRANCH
122 AERO CAMINO
GOLETA, CA 93017

UST U001579554
N/A

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ARROWHEAD SANTA BARBARA BRANCH (Continued)

U001579554

State UST:

Facility ID:	12490	Container Num:	1
Tank Num:	1	Year Installed:	Not reported
Tank Capacity:	1000	Tank Constrctn:	Not reported
Tank Used for:	PRODUCT	Telephone:	(805) 968-2500
Type of Fuel:	REGULAR	Region:	Not reported
Leak Detection:	Stock Inventor	Other Type:	BOTTLED WATER
Contact Name:	SOMMERS ART		
Total Tanks:	1		
Facility Type:	2		

A5
 ESE
 1/8-1/4
 1093

**ARROWHEAD DRINKING WATER
 122 AERO CAMINO
 GOLETA, CA 93117**

LUST

S102424663
 N/A

State LUST:

Facility Type:	INACTIVE	Cross Street:	HOLLISTER
Reg Board:	Central Coast Region	Qty Leaked:	Not reported
Chemical:	Diesel		
Lead Agency:	Local Agency		
Case Type:	Other ground water affected		
Status:	Signed off, remedial action completed or deemed unnecessary		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Review Date:	06/15/1990	Confirm Leak:	02/15/1989
Workplan:	Not reported	Prelim Assess:	06/14/1988
Pollution Char:	04/04/1989	Remed Plan:	Not reported
Remed Action:	07/24/1989	Monitoring:	07/25/1989
Close Date:	06/15/1990	Release Date:	02/15/1989

LUST Region 3:

Enter Date:	04/06/89	PROP65 Mail:	False
Emergency:	False	Case Number:	198.00000
Reported By:	SCHMAELING, MIKE SB ENV. HEALTH		
Representing:	Local Agency		
Respble Party:	ARROWHEAD WATER		
RP Address:	601 POTRERO GRANDE MONTEREY PARK CA 91754 (805)883-8394		
Operator:	SUMMERS, ART	Contact:	ARTHUR RAMIREZ
Cross Street:	HOLLISTER	Reg Board:	Central Coast Region
Local Agency:	42000	Quantity:	Not reported
Chemical:	Diesel	Stop Date:	//
Discovered:	02/15/89	How Stopped:	Remove Contents
How Found:	Tank Closure		
Source:	Tank		
Cause:	Corrosion	Staff Initials:	RBA
Lead Agency:	Local Agency		
Case Type:	Other ground water affected		
Priority:	0		
Status:	Signed off, remedial action completed or deemed unnecessary		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Refer Date:	03/22/89	Review Date:	06/15/90
R.P. Search:	Solvent	Funding:	State Funds
Confirm Leak:	02/15/89	Workplan:	//
Prelim Assess:	06/14/88	Pollution Char:	04/04/89
Remed Plan:	//	Remed Action:	07/24/89

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

ARROWHEAD DRINKING WATER (Continued)

S102424663

Monitoring:	07/25/89	Close Date:	06/15/90
Enforce Type:	None taken		
Enforce Date:	02/15/89	Pilot Program:	True
First Tracking:	/ /	Tracking Use:	Not reported
Scnd Tracking:	/ /	Tracking Use:	Not reported
Third Tracking:	/ /	Tracking Use:	Not reported
Interim Action:	False	Region:	3
Contaminants:	DIESEL	Description:	DIESEL
MTBE Discharged:	/ /	MTBE Detected:	No
Site Phone:	(805)968-2502		
Watershed:	15.31		
Basin Plan:	Not reported		
Summary:	Not reported		

A6
 ESE
 1/8-1/4
 1104

J S GRAPHIX INC
 136 AERO CAMINO
 GOLETA, CA 93017

RCRIS-SQG FINDS 1000146915
 CAD076200682

RCRIS:
 Owner: JAMES DUTCHER
 (999) 999-9999
 Contact: JAMES DUTCHER
 (805) 968-1165
 Record Date: 01/22/1992
 Classification: Small Quantity Generator
 Used Oil Recyc: No
 Violation Status: No violations found

7
 SSE
 1/8-1/4
 1141

GOLDEN COAST DAIRY
 6416 HOLLISTER AVE
 GOLETA, CA 93706

Ca. FID S101621634
 N/A

B8
 ESE
 1/8-1/4
 1153

MACALUSO PROPERTY
 137 AERO CAMINO
 GOLETA, CA

CA SLIC S102858402
 N/A

SLIC Region 3:
 Entered Into Database: Not reported
 How Contamination Occurred: Not reported
 Watershed: 15.31
 PROP65 Mail: False
 Emergency Action Taken: False
 Unique Case Number: 115.00000
 Date First Reported: Not reported
 Person Who Reported Leak: Not reported
 Who Reporting Party Represents: Not reported
 Reporting Party's Address: Not reported
 Operator: Not reported
 Responsible Party Search Status: Not reported
 Responsible Party: NICK MACALUSO
 Responsible Party's Address: Not reported

MAP FINDINGS

Map ID		EDR ID Number
Direction		
Distance		Database(s) EPA ID Number
Distance (ft.)Site		

MACALUSO PROPERTY (Continued)

S102858402

Responsible Party Contact:	Not reported
Responsible Party Phone:	Not reported
Responsible Party PO Box:	Not reported
Facility Phone:	Not reported
Leak Site Cross Street:	Not reported
Local Agency:	Not reported
Primary Substance leaked:	13 SOLVENT, METALS, BTEX
Quantity Leaked (Gal):	Not reported
Date Leak Found:	Not reported
How Lead Was Discovered:	Not reported
Date Leak Stopped:	//
How Lead Was Discovered:	Not reported
Lead Agency:	Not reported
Priority Level:	Priority 1 (Top Priority)
Case Type:	Not reported
Facility Status:	Leak Being Confirmed
Abatement Method:	Not reported
Staff Member:	JR
Date Case Given to Regional Board:	Not reported
Cost Recovery:	False
Confirmation of Leak Date:	Not reported
Preliminary Site Assessment Workplan Date:	Not reported
Preliminary Site Assessment Began Date:	Not reported
Pollution Characterization Began Date:	Not reported
Remediation Plan Submitted Date:	Not reported
Remedial Action Underway Date:	Not reported
Post Remedial Action Monitoring Date:	Not reported
Enforcement Action Taken:	Not reported
Emergency Response Date:	Not reported
Case Closed Date:	Not reported
Significant Interim Remedial Actions:	False
Basin Plan:	Not reported
Summary:	Not reported

9
ENE
1/8-1/4
1163

RIDAL CORP
57 AERO CAMINO
COLETA, CA 93117

RCRIS-SQG 1000147665
FINDS CAD982323057
HAZNET

RCRIS:

Owner: DALE SORENSON
(415) 555-1212

Contact: ENVIRONMENTAL MANAGER
(805) 968-1575

Record Date: 02/09/1988

Classification: Small Quantity Generator

Used Oil Recyc: No

Violation Status: No violations found

B10
ESE
1/8-1/4
1224

SUPERCONDUCTOR TECHNOLOGIES INC
150 AERO CAMINO
GOLETA, CA 93117

RCRIS-SQG 1000214579
FINDS CAD982059859

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SUPERCONDUCTOR TECHNOLOGIES INC (Continued)

1000214579

RCRIS:
Owner: SUPERCONDUCTOR TECHNOLOGIES INC
(415) 555-1212
Contact: ENVIRONMENTAL MANAGER
(805) 968-1396
Record Date: 09/01/1996
Classification: Small Quantity Generator
Used Oil Recyc: No
Violation Status: No violations found

C11
SSW
1/8-1/4
1229

6466 HOLLISTER AVE
SANTA BARBARA, CA

HMIRS

96110458
N/A

B12
SE
1/8-1/4
1235

CONTINENTAL BAKING CO.
153 AERO CAMINO
GOLETA, CA 93117

LUST

S102428299
N/A

State LUST:

Facility Type	INACTIVE	Cross Street:	Not reported
Reg Board:	Central Coast Region	Qty Leaked:	Not reported
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Other ground water affected		
Status:	Signed off, remedial action completed or deemed unnecessary		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site, Pump and Treat Ground Water - generally employed to remove dissolved contaminants		

Review Date:	04/03/1990	Confirm Leak:	02/01/1989
Workplan:	Not reported	Prelim Assess:	01/12/1989
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	08/21/1989	Monitoring:	01/04/1990
Close Date:	04/03/1990	Release Date:	01/10/1989

LUST Region 3:

Enter Date:	01/11/93	PROP65 Mail:	False
Emergency:	False	Case Number:	2249.00000
Reported By:	Not reported		
	Not reported		

Representing: Other
Respble Party: CONTINENTAL BAKING
RP Address: 2801 TOWNE STREET POMONA CA 91766
Not reported

Operator:	Not reported	Contact:	ED SHERLOCK
Cross Street:	Not reported		
Local Agency:	42000	Reg Board:	Central Coast Region
Chemical:	Gasoline	Quantity:	Not reported
Discovered:	/ /	Stop Date:	/ /
How Found:	Other Means	How Stopped:	Other Means
Source:	Unknown		
Cause:	Unknown		
Lead Agency:	Local Agency		

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CONTINENTAL BAKING CO. (Continued)

S102428299

Case Type:	Other ground water affected	Staff Initials:	RBA
Priority:	0	Status:	Signed off, remedial action completed or deemed unnecessary
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site, Pump and Treat Ground Water - generally employed to remove dissolved contaminants		
Refer Date:	//	Review Date:	04/03/90
R.P. Search:	Solvent	Funding:	State Funds
Confirm Leak:	02/01/89	Workplan:	//
Prelim Assess:	01/12/89	Pollution Char:	//
Remed Plan:	//	Remed Action:	08/21/89
Monitoring:	01/04/90	Close Date:	04/03/90
Enforce Type:	Not reported	Pilot Program:	True
Enforce Date:	//	Tracking Use:	Not reported
First Tracking:	//	Tracking Use:	Not reported
Scnd Tracking:	//	Tracking Use:	Not reported
Third Tracking:	//	Region:	3
Interim Action:	False	Description:	Not reported
Contaminants:	GASOLINE	MTBE Detected:	No
MTBE Discharged:	//		
Site Phone:	Not reported		
Watershed:	15.31		
Basin Plan:	Not reported		
Summary:	Not reported		

13
 SSE
 1/8-1/4
 1253

GOLD COAST DAIRY
 6416 HOLLISTER AVE
 GOLETA, CA 93117

LUST

S102430820
 N/A

State LUST:

Facility Type:	INACTIVE	Cross Street:	Not reported
Reg Board:	Central Coast Region	Qty Leaked:	Not reported
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Undefined		
Status:	Signed off, remedial action completed or deemed unnecessary		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Review Date:	11/09/1990	Confirm Leak:	05/23/1990
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	05/23/1990	Monitoring:	Not reported
Close Date:	11/08/1990	Release Date:	05/05/1989

LUST Region 3:

Enter Date:	01/11/93	PROP65 Mail:	False
Emergency:	False	Case Number:	2255.00000
Reported By:	Not reported		
	Not reported		
Representing:	Other		
Respbie Party:	WELLS FARGO BANK		
RP Address:	P.O. BOX 1059 SANTA BARBARA CA 93102		
	Not reported		
Operator:	Not reported	Contact:	RICHARD BARNES
Cross Street:	Not reported		
Local Agency:	42000	Reg Board:	Central Coast Region
Chemical:	Gasoline	Quantity:	Not reported
Discovered:	//	Stop Date:	//

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

GOLD COAST DAIRY (Continued)

S102430820

How Found:	Other Means	How Stopped:	Other Means
Source:	Unknown		
Cause:	Unknown		
Lead Agency:	Local Agency		
Case Type:	Undefined		
Priority:	0	Staff Initials:	RBA
Status:	Signed off, remedial action completed or deemed unnecessary		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Refer Date:	//	Review Date:	11/09/90
R.P. Search:	Recalcitrant	Funding:	Federal Funds
Confirm Leak:	05/23/90	Workplan:	//
Prelim Assess:	//	Pollution Char:	//
Remed Plan:	//	Remed Action:	05/23/90
Monitoring:	//	Close Date:	11/08/90
Enforce Type:	Not reported	Pilot Program:	True
Enforce Date:	//	Tracking Use:	Not reported
First Tracking:	//	Tracking Use:	Not reported
Scnd Tracking:	//	Tracking Use:	Not reported
Third Tracking:	//	Region:	3
Interim Action:	False	Description:	Not reported
Contaminants:	GASOLINE	MTBE Detected:	No
MTBE Discharged:	/		
Site Phone:	Not reported		
Watershed:	15.31		
Basin Plan:	Not reported		
Summary:	Not reported		

C14
 SSW
 1/8-1/4
 1268

CHEVRON STATION #9-4419
 6470 HOLLISTER AVE
 GOLETA, CA 93117

Ca. FID

S101594144
 N/A

FID:

Facility ID:	42000282	Regulate ID:	Not reported
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(805) 968-9696
Mail To:	Not reported		
	6470 HOLLISTER AVE		
	GOLETA, CA 93117		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

C15
 SSW
 1/8-1/4
 1268

CHEVRON STATION
 6470 HOLLISTER AVE
 GOLETA, CA 93117

Cortese
 LUST
 HAZNET

S100390452
 N/A

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CHEVRON STATION (Continued)

S100390452

State LUST:

Facility Type:	ACTIVE	Cross Street:	LOS CARNEROS
Reg Board:	Central Coast Region	Qty Leaked:	Not reported
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Undefined		
Status:	Preliminary site assessment underway		
Abate Method:	Cap Site - install horizontal impermeable layer to reduce rainfall infiltration		
Review Date:	01/14/1993	Confirm Leak:	02/12/1991
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:	02/08/1991

LUST Region 3:

Enter Date:	04/01/91	PROP65 Mail:	False
Emergency:	False	Case Number:	1042.00000
Reported By:	STEVE BROWN		

5540 EKWILL, SUITE B, SANTA BARBARA, CA 93111

Representing: Local Agency
 Respble Party: CHEVRON USA
 RP Address P.O. BOX 2833 LA HABRA CA 90632-2833
 (213)694-7698

Operator:	CHEVRON USA, INC.	Contact:	DAN GALLAGHER
Cross Street:	LOS CARNEROS		

Local Agency:	42000	Reg Board:	Central Coast Region
Chemical:	Gasoline	Quantity:	Not reported
Discovered:	02/08/91	Stop Date:	02/08/91
How Found:	Other Means	How Stopped:	Other Means

Source:	Piping		
Cause:	Unknown		
Lead Agency:	Local Agency		
Case Type:	Undefined		
Priority:	0	Staff Initials:	RBA

Status: Preliminary site assessment underway
 Abate Method: Cap Site - install horizontal impermeable layer to reduce rainfall infiltration

Refer Date:	//	Review Date:	01/14/93
R.P. Search:	Insoivent	Funding:	Not reported
Confirm Leak:	02/12/91	Workplan:	//
Prelim Assess:	//	Pollution Char:	//
Remed Plan:	//	Remed Action:	//
Monitoring:	//	Close Date:	//

Enforce Type:	Not reported	Pilot Program:	True
Enforce Date:	//	Tracking Use:	Not reported
First Tracking:	//	Tracking Use:	Not reported
Scnd Tracking:	//	Tracking Use:	Not reported
Third Tracking:	//	Tracking Use:	Not reported
Interim Action:	False	Region:	3
Contaminants:	GASOLINE	Description:	Not reported
MTBE Discharged:	//	MTBE Detected:	YES

Site Phone: Not reported
 Watershed: 15.31
 Basin Plan: Not reported
 Summary: Not reported

MAP FINDINGS

Map ID		EDR ID Number
Direction		
Distance		EPA ID Number
Distance (ft.)Site	Database(s)	

CHEVRON STATION (Continued)

S100390452

CORTESE:

Reg By: LTNKA
 Reg Id: 1042.00000
 Region: CORTESE

**C16
 SSW
 1/8-1/4
 1268**

**94419
 6470 HOLISTER AVE
 GOLETA, CA 93117**

UST

**U001580672
 N/A**

State UST:

Facility ID: 62623	
Tank Num: 1	Container Num: 1
Tank Capacity: 10000	Year Installed: 1972
Tank Used for: PRODUCT	
Type of Fuel: Not Reported	Tank Constrctn: 0000250 unknown
Leak Detection: Stock Inventor	
Contact Name: NEGUS, RONALD L	Telephone: (805) 968-9696
Total Tanks: 4	Region: Not reported
Facility Type: 1	Other Type: Not reported

Facility ID: 62623	
Tank Num: 2	Container Num: 2
Tank Capacity: 10000	Year Installed: 1972
Tank Used for: PRODUCT	
Type of Fuel: Not Reported	Tank Constrctn: 0000250 unknown
Leak Detection: Stock Inventor	
Contact Name: NEGUS, RONALD L	Telephone: (805) 968-9696
Total Tanks: 4	Region: Not reported
Facility Type: 1	Other Type: Not reported

Facility ID: 62623	
Tank Num: 3	Container Num: 3
Tank Capacity: 5000	Year Installed: 1972
Tank Used for: PRODUCT	
Type of Fuel: Not Reported	Tank Constrctn: 0000250 unknown
Leak Detection: Stock Inventor	
Contact Name: NEGUS, RONALD L	Telephone: (805) 968-9696
Total Tanks: 4	Region: Not reported
Facility Type: 1	Other Type: Not reported

Facility ID: 62623	
Tank Num: 4	Container Num: 4
Tank Capacity: 1000	Year Installed: 1972
Tank Used for: WASTE	
Type of Fuel: Not Reported	Tank Constrctn: 0000130 unknown
Leak Detection: Stock Inventor	
Contact Name: NEGUS, RONALD L	Telephone: (805) 968-9696
Total Tanks: 4	Region: Not reported
Facility Type: 1	Other Type: Not reported

**B17
 SE
 1/8-1/4
 1290**

**SANTA BARBARA RESEARCH CENTER
 163 AERO CAMINO
 GOLETA, CA 93117**

**FINDS 1000394947
 RCRIS-LQG CAD982403628
 HAZNET**

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SANTA BARBARA RESEARCH CENTER (Continued)

1000394947

RCRIS:

Owner: SPERRY REYNOLDS
 (415) 555-1212
 Contact: SCOTT THOMPSON
 (805) 562-4386
 Record Date: 12/05/1995
 Classification: Large Quantity Generator, Hazardous Waste Transporter
 Used Oil Recyc: No
 Violation Status: No violations found

HAZNET:

Year: Not reported
 Gepaid: CAD982403628
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: SANTA BARBARA RESEARCH CENTER
 Tsd Address: 75 COROMAR DR
 GOLETA
 Tsd County: Santa Barbara
 Mailing Address: Not reported
 Category: 211
 Disposal Method: D99

Tepaid: CAD028260297
 Telephone: Not reported
 Tons: 2

Year: Not reported
 Gepaid: CAD982403628
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: SANTA BARBARA RESEARCH CENTER
 Tsd Address: 75 COROMAR DR
 GOLETA
 Tsd County: Santa Barbara
 Mailing Address: Not reported
 Category: 214
 Disposal Method: UNK

Tepaid: CAD028260297
 Telephone: Not reported
 Tons: 5

Year: Not reported
 Gepaid: CAD982403628
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: SANTA BARBARA RESEARCH CENTER
 Tsd Address: 75 COROMAR DR
 GOLETA
 Tsd County: Santa Barbara
 Mailing Address: Not reported
 Category: 343
 Disposal Method: UNK

Tepaid: CAD028260297
 Telephone: Not reported
 Tons: 20

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SANTA BARBARA RESEARCH CENTER (Continued)

1000394947

Year:	Not reported	Tepaid:	CAD028260297
Gepaid:	CAD982403628	Telephone:	Not reported
Contact:	Not reported	Tons:	6
Gen County:	Not reported		
Tsd Name:	SANTA BARBARA RESEARCH CENTER		
Tsd Address:	75 COROMAR DR GOLETA		
Tsd County	Santa Barbara		
Mailing Address:	Not reported		
Category:	351		
Disposal Method:	UNK		
Year:	Not reported	Tepaid:	CAD028260297
Gepaid:	CAD982403628	Telephone:	Not reported
Contact:	Not reported	Tons:	2
Gen County:	Not reported		
Tsd Name:	SANTA BARBARA RESEARCH CENTER		
Tsd Address:	75 COROMAR DR GOLETA		
Tsd County	Santa Barbara		
Mailing Address:	Not reported		
Category:	512		
Disposal Method:	UNK		
Year:	Not reported	Tepaid:	CAD028260297
Gepaid:	CAD982403628	Telephone:	Not reported
Contact:	Not reported	Tons:	1
Gen County:	Not reported		
Tsd Name:	SANTA BARBARA RESEARCH CENTER		
Tsd Address:	75 COROMAR DR GOLETA		
Tsd County	Santa Barbara		
Mailing Address:	Not reported		
Category:	513		
Disposal Method:	D80		
Year:	Not reported	Tepaid:	CAD028260297
Gepaid:	CAD982403628	Telephone:	Not reported
Contact:	Not reported	Tons:	0
Gen County:	Not reported		
Tsd Name:	SANTA BARBARA RESEARCH CENTER		
Tsd Address:	75 COROMAR DR GOLETA		
Tsd County	Santa Barbara		
Mailing Address:	Not reported		
Category:	551		
Disposal Method:	R01		

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SANTA BARBARA RESEARCH CENTER (Continued)

1000394947

Year: Not reported
 Gepaid: CAD982403628
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: SANTA BARBARA RESEARCH CENTER
 Tsd Address: 75 COROMAR DR
 GOLETA
 Tsd County: Santa Barbara
 Mailing Address: Not reported
 Category: 741
 Disposal Method: D99

Tepaid: CAD028260297
 Telephone: Not reported
 Tons: 4

Year: Not reported
 Gepaid: CAD982403628
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: SANTA BARBARA RESEARCH CENTER
 Tsd Address: 75 COROMAR DR
 GOLETA
 Tsd County: Santa Barbara
 Mailing Address: Not reported
 Category: 741
 Disposal Method: R01

Tepaid: CAD028260297
 Telephone: Not reported
 Tons: 3

Year: Not reported
 Gepaid: CAD982403628
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: SANTA BARBARA RESEARCH CENTER
 Tsd Address: 75 COROMAR DR
 GOLETA
 Tsd County: Santa Barbara
 Mailing Address: Not reported
 Category: 741
 Disposal Method: UNK

Tepaid: CAD028260297
 Telephone: Not reported
 Tons: 14

Year: 93
 Gepaid: CAD982403628
 Contact: Not reported
 Gen County: Santa Barbara
 Tsd Name: Not reported
 Tsd Address: Not reported
 Tsd County: 00
 Mailing Address: Not reported
 Category: 741
 Disposal Method: Not reported

Tepaid: CAD028202971
 Telephone: Not reported
 Tons: 0.02

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)	Site	Database(s)	EPA ID Number

SANTA BARBARA RESEARCH CENTER (Continued)

1000394947

Year:	93	Tepaid:	CAD028260297
Gepaid:	CAD982403628	Telephone:	Not reported
Contact:	Not reported	Tons:	0.02
Gen County:	Santa Barbara		
Tsd Name:	Not reported		
Tsd Address:	Not reported		
Tsd County:	Santa Barbara		
Mailing Address:	Not reported		
Category:	211		
Disposal Method:	Not reported		

D18
SE
1/4-1/2
1375

GOLDEN COAST DAIRY
6416 HOLLISTER
GOLETA, CA 93706

UST

U001591649
N/A

State UST:

Facility ID:	42278	Container Num:	1
Tank Num:	1	Year Installed:	1972
Tank Capacity:	10000	Tank Constrctn:	Not reported
Tank Used for:	PRODUCT	Telephone:	(805) 968-3612
Type of Fuel:	REGULAR	Region:	Not reported
Leak Detection:	None	Other Type:	DAIRY
Contact Name:	DOUGLAS BADERTSCHER		
Total Tanks:	1		
Facility Type:	2		

D19
SE
1/4-1/2
1444

DISCOUNT MUFFLER & BRAKE
6410 HOLLISTER AVE
GOLETA, CA 09317

Cortese
LUST

S101303349
N/A

State LUST:

Facility Type:	ACTIVE	Cross Street:	Not reported
Reg Board:	Central Coast Region	Qty Leaked:	Not reported
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Other ground water affected		
Status:	Preliminary site assessment underway		
Abate Method:	U	Confirm Leak:	02/09/1989
Review Date:	12/17/1992	Prelim Assess:	12/08/1988
Workplan:	Not reported	Remed Plan:	Not reported
Pollution Char:	Not reported	Monitoring:	Not reported
Remed Action:	Not reported	Release Date:	12/08/1988
Close Date:	Not reported		

LUST Region 3:

Enter Date:	06/27/91	PROP65 Mail:	False
Emergency:	False	Case Number:	1081.00000
Reported By:	MIKE MEAN		
	5540 EKWILL SUITE B SANTA BARBARA CA 93111		
Representing:	Other		
Responsible Party:	WELLS FARGO BANK		
RP Address:	444 SOUTH FLOWER ST, STE LOS ANGELES CA 90071		
	(415)396-4576		
Operator:	Not reported	Contact:	JONATHAN ELSKY
Cross Street:	Not reported	Reg Board:	Central Coast Region
Local Agency:	42000		

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

DISCOUNT MUFFLER & BRAKE (Continued)

S101303349

Chemical:	Gasoline	Quantity:	Not reported
Discovered:	03/13/89	Stop Date:	//
How Found:	Other Means	How Stopped:	Close Tank
Source:	Tank		
Cause:	Overfill		
Lead Agency:	Local Agency		
Case Type:	Other ground water affected		
Priority:	3	Staff Initials:	RBA
Status:	Preliminary site assessment underway		
Abate Method:	U		
Refer Date:	//	Review Date:	12/17/92
R.P. Search:	Solvent	Funding:	State Funds
Confirm Leak:	02/09/89	Workplan:	//
Prelim Assess:	12/08/88	Pollution Char:	//
Remed Plan:	//	Remed Action:	//
Monitoring:	//	Close Date:	//
Enforce Type:	Warning/notice of violation to uncooperative responsible parties (includes CDO and CAO)		
Enforce Date:	02/27/91	Pilot Program:	True
First Tracking:	//	Tracking Use:	Not reported
Scnd Tracking:	//	Tracking Use:	Not reported
Third Tracking:	//	Tracking Use:	Not reported
Interim Action:	False	Region:	3
Contaminants:	GASOLINE	Description:	Not reported
MTBE Discharged?	//	MTBE Detected:	No
Site Phone:	Not reported		
Watershed:	15.31		
Basin Plan:	Not reported		
Summary:	Not reported		

CORTESE:

Reg By: LTNKA
 Reg Id: 1081.00000
 Region: CORTESE

D20
 SE
 1/4-1/2
 1532

BUILDING 306
1699 FIRESTONE ROAD
GOLETA, CA 93117

UST

U001580681
 N/A

State UST:

Facility ID:	42370	Container Num:	1
Tank Num:	1	Year Installed:	Not reported
Tank Capacity:	10000		
Tank Used for:	PRODUCT	Tank Constrcn:	1/4 inches
Type of Fuel:	UNLEADED		
Leak Detection:	None	Telephone:	(805) 967-7111
Contact Name:	EARL JOHNSON	Region:	Not reported
Total Tanks:	1	Other Type:	AIRPORT
Facility Type:	2		

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)	Site	Database(s)	EPA ID Number

BUILDING 306 (Continued)

U001580681

Facility ID:	42370	Container Num:	2
Tank Num:	2	Year Installed:	1975
Tank Capacity:	4000	Tank Constrctn:	1/4 inches
Tank Used for:	PRODUCT	Telephone:	(805) 967-7111
Type of Fuel:	DIESEL	Region:	Not reported
Leak Detection:	None	Other Type:	AIRPORT
Contact Name:	EARL JOHNSON		
Total Tanks:	1		
Facility Type:	2		

D21
SE
1/4-1/2
1532

**S.B. CITY, AIRPORT MAINT.
1699 FIRESTONE RD
GOLETA, CA 93117**

LUST

**S101303343
N/A**

State LUST:

Facility Type:	INACTIVE	Cross Street:	Not reported
Reg Board:	Central Coast Region	Qty Leaked:	Not reported
Chemical:	Diesel		
Lead Agency:	Local Agency		
Case Type:	Undefined		
Status:	Signed off, remedial action completed or deemed unnecessary		
Abate Method:	U		
Review Date:	01/20/1995	Confirm Leak:	04/04/1990
Workplan:	Not reported	Prelim Assess:	03/21/1990
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	Not reported	Release Date:	03/21/1990

LUST Region 3:

Enter Date:	09/16/91	PROP65 Mail:	False
Emergency:	False	Case Number:	2021.00000
Reported By:	MIKE MEAN 5540 EKWILL SUITE B SANTA BARBARA CA 93111		

Representing: Other
Respble Party: CITY OF SNTA BARBARA
RP Address: 630 GARDEN STREET SANTA BARBARA CA 93102-1990
Not reported

Operator:	SB CITY	Contact:	TONY RAYA
Cross Street:	Not reported	Reg Board:	Central Coast Region
Local Agency:	42000	Quantity:	Not reported
Chemical:	Diesel	Stop Date:	/ /
Discovered:	03/21/90	How Stopped:	Close Tank
How Found:	Tank Closure		
Source:	Tank		
Cause:	Unknown	Staff Initials:	RBA
Lead Agency:	Local Agency		
Case Type:	Undefined		
Priority:	0		
Status:	Signed off, remedial action completed or deemed unnecessary		
Abate Method:	U		
Refer Date:	/ /	Review Date:	01/20/95
R.P. Search:	Solvent	Funding:	Federal Funds
Confirm Leak:	04/04/90	Workplan:	/ /
Prelim Assess:	03/21/90	Pollution Char:	/ /
Remed Plan:	/ /	Remed Action:	/ /
Monitoring:	/ /	Close Date:	/ /
Enforce Type:	None taken		

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

S.B. CITY, AIRPORT MAINT. (Continued)

S101303343

Enforce Date:	03/21/90	Pilot Program:	True
First Tracking:	//	Tracking Use:	Not reported
Scnd Tracking:	//	Tracking Use:	Not reported
Third Tracking:	//	Tracking Use:	Not reported
Interim Action:	False	Region:	3
Contaminants:	DIESEL	Description:	Not reported
MTBE Discharged:	/	MTBE Detected:	No
Site Phone:	Not reported		
Watershed:	15.31		
Basin Plan:	Not reported		
Summary:	Not reported		

D22
 SE
 1/4-1/2
 1532

ISLA VISTA SANITARY DISTRICT
 1 ADAMS ROAD
 GOLETA, CA 93117

UST

U001580708
 N/A

State UST:

Facility ID:	56296	Container Num:	1
Tank Num:	1	Year Installed:	1975
Tank Capacity:	970		
Tank Used for:	PRODUCT	Tank Constrcn:	Not reported
Type of Fuel:	UNLEADED		
Leak Detection:	Stock Inventor	Telephone:	(805) 968-2617
Contact Name:	R.J. KUHNS	Region:	Not reported
Total Tanks:	2	Other Type:	PUBLIC AGENCY
Facility Type:	2		

Facility ID:	56296	Container Num:	2
Tank Num:	2	Year Installed:	1982
Tank Capacity:	1000		
Tank Used for:	PRODUCT	Tank Constrcn:	Not reported
Type of Fuel:	DIESEL		
Leak Detection:	Stock Inventor	Telephone:	(805) 968-2617
Contact Name:	R.J. KUHNS	Region:	Not reported
Total Tanks:	2	Other Type:	PUBLIC AGENCY
Facility Type:	2		

D23
 SE
 1/4-1/2
 1532

SB CITY AIRPORT ADMINISTRATION
 1699 FIRESTONE RD
 SANTA BARBARA, CA 93117

Ca. FID

S101594150
 N/A

FID:

Facility ID:	42000305	Regulate ID:	Not reported
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	Not reported
Mail To:	Not reported		
	630 GARDEN ST		
	SANTA BARBARA, CA 93117		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance		Database(s)	EPA ID Number
Distance (ft.)Site			

E24 ESE 1/4-1/2 1716	ELECTROMAGNETIC SYSTEMS DIVISI 6380 HOLLISTER AVENUE GOLETA, CA 93117	UST	U001580690 N/A
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State UST:

Facility ID: 35367	Container Num: 1
Tank Num: 1	Year Installed: 1982
Tank Capacity: 5000	Tank Constrctn: 0.25 inches
Tank Used for: WASTE	
Type of Fuel: Not Reported	Telephone: (805) 967-5511
Leak Detection:	Region: Not reported
Contact Name: Not reported	Other Type: ELECTRONICS MFG.
Total Tanks: 1	
Facility Type: 2	

25 WSW 1/4-1/2 1760	PS MEDICAL 125 B CREMONA DR GOLETA, CA 93117	RCRIS-SQG FINDS HAZNET	1000594726 CAD983585993
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RCRIS:

Owner: PS MEDICAL
(415) 555-1212

Contact: ANN CLARK
(806) 968-1546

Record Date: 06/24/1991

Classification: Small Quantity Generator

Used Oil Recyc: No

Violation Status: No violations found

HAZNET:

Year: Not reported	Tepaid: CAD050806850
Gepaid: CAD983585993	Telephone: Not reported
Contact: Not reported	Tons: 0
Gen County: Not reported	
Tsd Name: OIL PROCESS CO (DBA)	
Tsd Address: 5756 ALBA ST LOS ANGELES	
Tsd County: Los Angeles	
Mailing Address: Not reported	
Category: 352	
Disposal Method: H01	

MAP FINDINGS

Map ID Direction EDR ID Number
 Distance Distance (ft.) Site Database(s) EPA ID Number

PS MEDICAL (Continued)

1000594726

Year: Not reported
 Gepaid: CAD983585993 Tepaid: CAD050806850
 Contact: Not reported Telephone: Not reported
 Gen County: Not reported Tons: 0
 Tsd Name: OIL PROCESS CO (DBA)
 Tsd Address: 5756 ALBA ST
 LOS ANGELES
 Tsd County: Los Angeles
 Mailing Address: Not reported
 Category: 352
 Disposal Method: T01

26 LOS CARNAROS & HOLLISER AVE ERNS 92260967
 SW LOS CARNAROS & HOLLISER AVE N/A
 1/4-1/2 SANTA BARBARA, CA 93110
 1838

27 125 CREMONA DR. ERNS 94401182
 WSW 125 CREMONA DR. N/A
 1/4-1/2 GOLETE, CA 93117
 1861

E28 SANTA BARBARA AVIATION FUEL FA UST U001580725
 SE ARNOLD PLACE Cortese N/A
 1/4-1/2 GOLETA, CA 93117 LUST

State LUST:

Facility Type: ACTIVE Cross Street: Not reported
 Reg Board: Central Coast Region Qty Leaked: Not reported
 Chemical: Diesel
 Lead Agency: Local Agency
 Case Type: Undefined
 Status: Preliminary site assessment underway
 Abate Method: U
 Review Date: 11/25/1992 Confirm Leak: 04/14/1992
 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: 04/01/1992

LUST Region 3:

Enter Date: 01/11/93 PROP65 Mail: False
 Emergency: False Case Number: 2300.00000
 Reported By: Not reported
 Not reported

Representing: Other
 Respbie Party: SBC PULBIC WORKS
 RP Address: 630 GARDEN STREET SANTA BARBARA CA 93102-1990
 Not reported

Operator: Not reported Contact: LEIF REYNOLDS
 Cross Street: Not reported
 Local Agency: 42000 Reg Board: Central Coast Region
 Chemical: Diesel Quantity: Not reported
 Discovered: / / Stop Date: / /
 How Found: Other Means How Stopped: Other Means
 Source: Unknown

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SANTA BARBARA AVIATION FUEL FA (Continued)

U001580725

Cause:	Unknown	Staff Initials:	RBA
Lead Agency:	Local Agency	Review Date:	11/25/92
Case Type:	Undefined	Funding:	Federal Funds
Priority:	0	Workplan:	//
Status:	Preliminary site assessment underway	Pollution Char:	//
Abate Method:	U	Remed Action:	//
Refer Date:	//	Close Date:	//
R.P. Search:	Solvent	Pilot Program:	True
Confirm Leak:	04/14/92	Tracking Use:	Not reported
Prelim Assess:	//	Tracking Use:	Not reported
Remed Plan:	//	Tracking Use:	Not reported
Monitoring:	//	Region:	3
Enforce Type:	Not reported	Description:	Not reported
Enforce Date:	//	MTBE Detected:	No
First Tracking:	//		
Scnd Tracking:	//		
Third Tracking:	//		
Interim Action:	False		
Contaminants:	DIESEL		
MTBE Discharged:	//		
Site Phone:	Not reported		
Watershed:	15.32		
Basin Plan:	Not reported		
Summary:	Not reported		

CORTESE:

Reg By: LTNKA
 Reg Id: 2300.00000
 Region: CORTESE

State UST:

Facility ID:	57936	Container Num:	SBA#4
Tank Num:	1	Year Installed:	Not reported
Tank Capacity:	12000	Tank Constrctn:	.250 inches
Tank Used for:	PRODUCT	Telephone:	(805) 967-5608
Type of Fuel:	Not Reported	Region:	Not reported
Leak Detection:	None	Other Type:	AIRPORT
Contact Name:	JOE HESLIN		
Total Tanks:	4		
Facility Type:	2		

Facility ID:	57936	Container Num:	SBA #3
Tank Num:	2	Year Installed:	Not reported
Tank Capacity:	12000	Tank Constrctn:	.250 inches
Tank Used for:	PRODUCT	Telephone:	(805) 967-5608
Type of Fuel:	Not Reported	Region:	Not reported
Leak Detection:	None	Other Type:	AIRPORT
Contact Name:	JOE HESLIN		
Total Tanks:	4		
Facility Type:	2		

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Site Database(s) EPA ID Number EDR ID Number

SANTA BARBARA AVIATION FUEL FA (Continued)

U001580725

Facility ID: 57936
 Tank Num: 3
 Tank Capacity: 10000
 Tank Used for: PRODUCT
 Type of Fuel: Not Reported
 Leak Detection: None
 Contact Name: JOE HESLIN
 Total Tanks: 4
 Facility Type: 2

Container Num: SBA #2
 Year Installed: Not reported
 Tank Constrctn: .250 inches
 Telephone: (805) 967-5608
 Region: Not reported
 Other Type: AIRPORT

Facility ID: 57936
 Tank Num: 4
 Tank Capacity: 10000
 Tank Used for: PRODUCT
 Type of Fuel: Not Reported
 Leak Detection: None
 Contact Name: JOE HESLIN
 Total Tanks: 4
 Facility Type: 2

Container Num: SBA #1
 Year Installed: Not reported
 Tank Constrctn: .250 inches
 Telephone: (805) 967-5608
 Region: Not reported
 Other Type: AIRPORT

F29
 SE
 1/4-1/2
 2104

DYNASEN INC
 100 ARNOLD PL
 SANTA BARBARA, CA 93117

Ca. FID S101594304
 N/A

FID:
 Facility ID: 42003193
 Reg By: Inactive Underground Storage Tank Location
 Cortese Code: Not reported
 Status: Inactive
 Mail To: Not reported
 300 N LOS ANGELES ST
 SANTA BARBARA, CA 93117
 Contact: Not reported
 DUNs No: Not reported
 Creation: 10/22/93
 EPA ID: Not reported
 Comments: Not reported

Regulate ID: Not reported
 SIC Code: Not reported
 Facility Tel: Not reported
 Contact Tel: Not reported
 NPDES No: Not reported
 Modified: 00/00/00

F30
 SE
 1/4-1/2
 2115

SANTA BARBARA AVIATION INC
 ARNOLD PL
 SANTA BARBARA, CA 93117

Ca. FID S101619965
 N/A

G31
 North
 1/4-1/2
 2152

CALIFORNIA HIGHWAY PATROL
 6465 CALLE REAL
 GOLETA, CA 93117

Ca. FID S101630020
 N/A

G32
 North
 1/4-1/2
 2152

CALIFORNIA HIGHWAY PATROL
 6465 CALLE REAL
 GOLETA, CA 93117

UST U001580682
 N/A

MAP FINDINGS

Map ID		EDR ID Number
Direction		
Distance		
Distance (ft.)		Database(s)
Site		EPA ID Number

CALIFORNIA HIGHWAY PATROL (Continued)

U001580682

State UST:

Facility ID: 17982	
Tank Num: 1	Container Num: 760-1
Tank Capacity: 12000	Year Installed: 1982
Tank Used for: PRODUCT	
Type of Fuel: UNLEADED	Tank Constrctn: Not reported
Leak Detection: Visual, Stock Inventor	
Contact Name: Not reported	Telephone: (805) 967-1234
Total Tanks: 1	Region: Not reported
Facility Type: 2	Other Type: CHP

33
ESE
1/4-1/2
2163

**FAA, SB AIRPORT
10 BURNS PL
GOLETA, CA**

CA SLIC

S102858427
N/A

SLIC Region 3:

Entered Into Database:	Not reported
How Contamination Occurred:	Not reported
Watershed:	Not reported
PROP65 Mail:	False
Emergency Action Taken:	False
Unique Case Number:	164.00000
Date First Reported:	Not reported
Person Who Reported Leak:	Not reported
Who Reporting Party Represents:	Not reported
Reporting Party's Address:	Not reported
Operator:	Not reported
Responsible Party Search Status:	Not reported
Responsible Party:	Not reported
Responsible Party's Address:	Not reported
Responsible Party Contact:	Not reported
Responsible Party Phone:	Not reported
Responsible Party PO Box:	Not reported
Facility Phone:	Not reported
Leak Site Cross Street:	Not reported
Local Agency:	Not reported
Primary Substance leaked:	VOC's
Quantity Leaked (Gal):	Not reported
Date Leak Found:	Not reported
How Lead Was Discovered:	Not reported
Date Leak Stopped:	/ /
How Lead Was Discovered:	Not reported
Lead Agency:	Not reported
Priority Level:	Not reported
Case Type:	Not reported
Facility Status:	Case Closed
Abatement Method:	Not reported
Staff Member:	RBA
Date Case Given to Regional Board:	Not reported
Cost Recovery:	False
Confirmation of Leak Date:	Not reported
Preliminary Site Assessment Workplan Date:	Not reported
Preliminary Site Assessment Began Date:	Not reported
Pollution Characterization Began Date:	Not reported
Remediation Plan Submitted Date:	Not reported
Remedial Action Underway Date:	Not reported
Post Remedial Action Monitoring Date:	Not reported

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)Site		Database(s)	EPA ID Number

FAA, SB AIRPORT (Continued)

S102858427

Enforcement Action Taken:	Not reported
Emergency Response Date:	Not reported
Case Closed Date:	Not reported
Significant Interim Remedial Actions:	False
Basin Plan:	Not reported
Summary:	Not reported

G34
North
1/4-1/2
2191

CENTRAL COAST ANAL SVC OF SB
6483 D CALLE REAL
GOLETA, CA 93117

RCRIS-SQG 1000419183
FINDS CAD982344418

RCRIS:

Owner: CENTRAL COAST ANA
(415) 555-1212

Contact: ENVIRONMENTAL MANAGER
(805) 964-7838

Record Date: 09/01/1996

Classification: Small Quantity Generator

Used Oil Recyc: No

Violation Status: No violations found

35
North
1/4-1/2
2199

VISCARRAS REFINISHING
6489 CALLE REAL SUITE F
GOLETA, CA 93117

RCRIS-SQG 1000168003
FINDS CAD981655756

RCRIS:

Owner: RANDOLPH A VISCARRA
(415) 555-1212

Contact: ENVIRONMENTAL MANAGER
(805) 967-7615

Record Date: 09/15/1986

Classification: Small Quantity Generator

Used Oil Recyc: No

Violation Status: No violations found

H36
East
1/4-1/2
2223

ROBIN HILL
75 ROBIN HILL ROAD
GOLETA, CA 93117

UST U001580723
N/A

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

ROBIN HILL (Continued)

U001580723

State UST:

Facility ID:	1253	Container Num:	RH-1
Tank Num:	1	Year Installed:	1982
Tank Capacity:	4000	Tank Constrctn:	3/16 inches
Tank Used for:	WASTE	Telephone:	(805) 683-5353
Type of Fuel:	Not Reported	Region:	Not reported
Leak Detection:	Stock Inventor	Other Type:	MAGNETIC RECORDING H
Contact Name:	ROBERT ANDERSON		
Total Tanks:	4		
Facility Type:	2		

Facility ID:	1253	Container Num:	RH-2
Tank Num:	2	Year Installed:	1982
Tank Capacity:	2000	Tank Constrctn:	3/16 inches
Tank Used for:	WASTE	Telephone:	(805) 683-5353
Type of Fuel:	Not Reported	Region:	Not reported
Leak Detection:	Stock Inventor	Other Type:	MAGNETIC RECORDING H
Contact Name:	ROBERT ANDERSON		
Total Tanks:	4		
Facility Type:	2		

Facility ID:	1253	Container Num:	RH-3
Tank Num:	3	Year Installed:	1982
Tank Capacity:	2000	Tank Constrctn:	3/16 inches
Tank Used for:	WASTE	Telephone:	(805) 683-5353
Type of Fuel:	Not Reported	Region:	Not reported
Leak Detection:	Stock Inventor	Other Type:	MAGNETIC RECORDING H
Contact Name:	ROBERT ANDERSON		
Total Tanks:	4		
Facility Type:	2		

Facility ID:	1253	Container Num:	RH-4
Tank Num:	4	Year Installed:	1981
Tank Capacity:	1000	Tank Constrctn:	3/16 inches
Tank Used for:	WASTE	Telephone:	(805) 683-5353
Type of Fuel:	Not Reported	Region:	Not reported
Leak Detection:	Stock Inventor	Other Type:	MAGNETIC RECORDING H
Contact Name:	ROBERT ANDERSON		
Total Tanks:	4		
Facility Type:	2		

H37 APPLIED MAGNETICS CORP
East 75 ROBIN HILL RD
1/4-1/2 GOLETA, CA 93017
2223

FINDS 1000284779
RCRIS-LQG CAD008342198

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number
EPA ID Number

Database(s)

APPLIED MAGNETICS CORP (Continued)

1000284779

RCRIS:

Owner: APPLIED MAGNETICS CORPORATION
(415) 555-1212

Contact: ENVIRONMENTAL MANAGER
(805) 964-4881

Record Date: 02/02/1998

Classification: Large Quantity Generator

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1995

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	24149.36	D002	4125.00
D007	3920.00	D011	3920.00
F001	350.29	F003	11071.42
F006	55200.00	F009	788.16

Used Oil Recyc: No

Violation Status: Violation information exist

There are 2 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	10/20/1995
	Generator-All Requirements	10/20/1995

38
SW
1/4-1/2
2252

FAA SANTA BARBARA AIRPORT RTR
6551 HOLLISTER AVE
SANTA BARBARA, CA 93117

Ca. FID

S101594377
N/A

FID:

Facility ID:	42003323	Regulate ID:	Not reported
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(805) 984-1420
Mail To:	Not reported		
	5885 WEST IMPERIAL HWY SANTA BARBARA, CA 93117		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

39
East
1/4-1/2
2295

APPLIED MAGNETICS CORP
75 ROBIN HILL RD
GOLETA, CA 93117

Ca. FID

S101594258
N/A

MAP FINDINGS

Map ID		EDR ID Number
Direction		
Distance		
Distance (ft.)	Site	Database(s) EPA ID Number

APPLIED MAGNETICS CORP (Continued)

S101594258

FID:

Facility ID:	42001778	Regulate ID:	Not reported
Reg By:	Active Underground Storage Tank Location	SIC Code:	Not reported
Cortese Code:	Not reported	Facility Tel:	(805) 683-5353
Status:	Active		
Mail To:	Not reported		
	75 ROBIN HILL RD		
	GOLETA, CA 93117		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

40
SE
1/4-1/2
2400

SB JET CHARTER
1601 COOK PL
SANTA BARBARA, CA 93117

Ca. FID

S101594307
N/A

FID:

Facility ID:	42003197	Regulate ID:	Not reported
Reg By:	Inactive Underground Storage Tank Location	SIC Code:	Not reported
Cortese Code:	Not reported	Facility Tel:	Not reported
Status:	Inactive		
Mail To:	Not reported		
	P.O. BOX 1990		
	SANTA BARBARA, CA 93117		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

I41
ESE
1/4-1/2
2445

RAYTHEON ELECTROMAGNETIC SYSTEMS
6380 HOLLISTER AVE
GOLETA, CA 93117

FINDS

1000407766
RCRIS-LQG CAD001425206

RCRIS-TSD
CORRACTS
CERC-NFRAP
CA SLIC

CERCLIS-NFRAP Classification Data:

Site Incident Category:	Not reported	Federal Facility:	Not reported
Ownership Status:	Private	NPL Status:	Not on the NPL

CERCLIS-NFRAP Assessment History:

Assessment:	DISCOVERY	Completed:	19910401
Assessment:	PRELIMINARY ASSESSMENT	Completed:	19910909

CORRACTS Data:

Prioritization:	High
Status:	RCRA Facility Assessment Completed, RFI Imposition, RFI Workplan Approved, Stabilization Measures Evaluation

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

RAYTHEON ELECTROMAGNETIC SYSTEMS (Continued)

1000407766

RCRIS:

Owner: RAYTHEON ESD
 (805) 967-5511

Contact: ENVIRONMENTAL MANAGER
 (805) 967-5511

Record Date: 09/01/1996

Classification: Large Quantity Generator, Hazardous Waste Transporter

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1995

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	3718.20	D002	3385.00
D003	115.00	D006	371.20
D007	10602.00	D008	450.00
D009	1959.00	D011	7103.00
D039	61.20	D040	61.20
F001	6121.00	F002	2551.00
F003	8672.00	F005	9221.00
F006	770.00	P098	115.00

Used Oil Recyc: No

Violation Status: Violation information exist

There are 10 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	-
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	-
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	-
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	-
Compliance Evaluation Inspection (CEI)	TSD-Land Ban Requirements	05/02/1992
Compliance Evaluation Inspection (CEI)	Generator-Land Ban Requirements	-
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	05/02/1992
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	05/02/1992
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	05/02/1992

SLIC Region 3:

Entered Into Database: Not reported

How Contamination Occurred: Not reported

Watershed: 15.31

PROP65 Mail: False

Emergency Action Taken: False

Unique Case Number: 108.00000

Date First Reported: Not reported

Person Who Reported Leak: Not reported

Who Reporting Party Represents: Not reported

Reporting Party's Address: Not reported

Operator: Not reported

Responsible Party Search Status: Not reported

Responsible Party: RAYTHEON

Responsible Party's Address: 6380 HOLLISTER AVE GOLETA

Responsible Party Contact: GARY COX

Responsible Party Phone: (805) 967-5511

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)Site		Database(s)	EPA ID Number

RAYTHEON ELECTROMAGNETIC SYSTEMS (Continued)

1000407766

Responsible Party PO Box:	Not reported
Facility Phone:	Not reported
Leak Site Cross Street:	Not reported
Local Agency:	Not reported
Primary Substance leaked:	13 SOLVENT, METALS
Quantity Leaked (Gal):	Not reported
Date Leak Found:	Not reported
How Lead Was Discovered:	Not reported
Date Leak Stopped:	/ /
How Lead Was Discovered:	Not reported
Lead Agency:	Not reported
Priority Level:	Priority 1 (Top Priority)
Case Type:	Other ground water affected
Facility Status:	Leak Being Confirmed
Abatement Method:	Not reported
Staff Member:	RBA
Date Case Given to Regional Board:	Not reported
Cost Recovery:	False
Confirmation of Leak Date:	Not reported
Preliminary Site Assessment Workplan Date:	Not reported
Preliminary Site Assessment Began Date:	Not reported
Pollution Characterization Began Date:	Not reported
Remediation Plan Submitted Date:	Not reported
Remedial Action Underway Date:	08/01/98
Post Remedial Action Monitoring Date:	Not reported
Enforcement Action Taken:	Not reported
Emergency Response Date:	Not reported
Case Closed Date:	Not reported
Significant Interim Remedial Actions:	False
Basin Plan:	MUN
Summary:	Not reported

I42
ESE
1/4-1/2
2519

ARBITER SYSTEMS, INC.
1402 FIRESTONE RD
SANTA BARBARA, CA 93117

Ca. FID

S101594329
N/A

FID:

Facility ID:	42003251	Regulate ID:	Not reported
Reg By:	Inactive Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Inactive	Facility Tel:	Not reported
Mail To:	Not reported		
	630 GARDEN ST		
	SANTA BARBARA, CA 93117		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

I43
ESE
1/4-1/2
2530

SANTA BARBARA, CITY OF VACANT
1401 FIRESTONE RD
SANTA BARBARA, CA 93117

Ca. FID

S101594313
N/A

MAP FINDINGS

Map ID Direction EDR ID Number
 Distance Database(s) EPA ID Number
 Distance (ft.)Site

SANTA BARBARA, CITY OF VACANT (Continued)

S101594313

FID:
 Facility ID: 42003207 Regulate ID: Not reported
 Reg By: Inactive Underground Storage Tank Location
 Cortese Code: Not reported SIC Code: Not reported
 Status: Inactive Facility Tel: (805) 967-4185
 Mail To: Not reported
 300 N LOS ANGELES ST
 SANTA BARBARA, CA 93117
 Contact: Not reported Contact Tel: Not reported
 DUNs No: Not reported NPDES No: Not reported
 Creation: 10/22/93 Modified: 00/00/00
 EPA ID: Not reported
 Comments: Not reported

J44
 SE
 1/4-1/2
 2557

SAIC-MARIPRO
 1522 COOK PL
 SANTA BARBARA, CA 93117

Ca. FID

S101594310
 N/A

FID:
 Facility ID: 42003204 Regulate ID: Not reported
 Reg By: Inactive Underground Storage Tank Location
 Cortese Code: Not reported SIC Code: Not reported
 Status: Inactive Facility Tel: (805) 967-4185
 Mail To: Not reported
 300 N LOS ANGELES ST
 SANTA BARBARA, CA 93117
 Contact: Not reported Contact Tel: Not reported
 DUNs No: Not reported NPDES No: Not reported
 Creation: 10/22/93 Modified: 00/00/00
 EPA ID: Not reported
 Comments: Not reported

J45
 ESE
 1/4-1/2
 2598

FAA SANTA BARBARA AIRPORT ASR
 1505 COOK PL
 SANTA BARBARA, CA 93117

Ca. FID

S101594225
 N/A

FID:
 Facility ID: 42001322 Regulate ID: Not reported
 Reg By: Active Underground Storage Tank Location
 Cortese Code: Not reported SIC Code: Not reported
 Status: Active Facility Tel: (805) 967-4185
 Mail To: Not reported
 5885 WEST IMPERIAL HWY
 SANTA BARBARA, CA 93117
 Contact: Not reported Contact Tel: Not reported
 DUNs No: Not reported NPDES No: Not reported
 Creation: 10/22/93 Modified: 00/00/00
 EPA ID: Not reported
 Comments: Not reported

J46
 ESE
 1/4-1/2
 2603

ASR-RADAR
 1503 CECIL COOK PLACE
 GOLETA, CA 93017

UST

U001579555
 N/A

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

ASR-RADAR (Continued)

U001579555

State UST:

Facility ID:	59031	Container Num:	1
Tank Num:	1	Year Installed:	1980
Tank Capacity:	1000	Tank Constrctn:	Not reported
Tank Used for:	PRODUCT	Telephone:	(805) 967-4185
Type of Fuel:	DIESEL	Region:	Not reported
Leak Detection:	Visual, Stock Inventor	Other Type:	RADAR
Contact Name:	CHET ISGAR		
Total Tanks:	2		
Facility Type:	2		
Facility ID:	59031	Container Num:	2
Tank Num:	2	Year Installed:	1982
Tank Capacity:	1000	Tank Constrctn:	Not reported
Tank Used for:	PRODUCT	Telephone:	(805) 967-4185
Type of Fuel:	DIESEL	Region:	Not reported
Leak Detection:	Visual, Stock Inventor	Other Type:	RADAR
Contact Name:	CHET ISGAR		
Total Tanks:	2		
Facility Type:	2		

J47
ESE
1/4-1/2
2603

FAA SANTA BARBARA AIRPORT ATCT
1503 COOK PL
SANTA BARBARA, CA 93117

Ca. FID

S101594376
N/A

FID:

Facility ID:	42003322	Regulate ID:	Not reported
Reg By:	Active Underground Storage Tank Location	SIC Code:	Not reported
Cortese Code:	Not reported	Facility Tel:	(805) 967-4185
Status:	Active		
Mail To:	Not reported		
	5885 WEST IMPERIAL HWY		
	SANTA BARBARA, CA 93117		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

48
East
1/4-1/2
2615

DOLLAR ROOFING
6326 LINDMAR DR
GOLETA, CA 93117

RCRIS-SQG
FINDS

1000277479
CAD981656655

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

DOLLAR ROOFING (Continued)

1000277479

RCRIS:

Owner: RICHARD B HERMAN
 (415) 555-1212
 Contact: ENVIRONMENTAL MANAGER
 (805) 964-2123
 Record Date: 09/30/1986
 Classification: Small Quantity Generator
 Used Oil Recyc: No
 Violation Status: No violations found

49
 ESE
 1/2-1
 2794

CITY OF SANTA BARBARA AIRPORT
 1301 FIRESTONE RD
 SANTA BARBARA, CA 93117

LUST

S102428074
 N/A

State LUST:

Facility Type:	INACTIVE	Cross Street:	Not reported
Reg Board:	Central Coast Region	Qty Leaked:	Not reported
Chemical:	Diesel		
Lead Agency:	Local Agency		
Case Type:	Undefined		
Status:	Signed off, remedial action completed or deemed unnecessary		
Abate Method:	Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)		
Review Date:	06/20/1991	Confirm Leak:	05/10/1989
Workplan:	Not reported	Prelim Assess:	05/15/1990
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	09/04/1990	Monitoring:	Not reported
Close Date:	03/28/1991	Release Date:	05/05/1989

LUST Region 3:

Enter Date:	08/23/92	PROP65 Mail:	False
Emergency:	False	Case Number:	2235.00000
Reported By:	BROWN		
	Not reported		
Representing:	Other		
Responsible Party:	CITY OF SANTA BARBARA		
RP Address:	P.O. BOX 1990 SANTA BARBARA CA 93102-1990		
	Not reported		
Operator:	Not reported	Contact:	TONY RAYA
Cross Street:	Not reported		
Local Agency:	42000	Reg Board:	Central Coast Region
Chemical:	Diesel	Quantity:	Not reported
Discovered:	//	Stop Date:	//
How Found:	Other Means	How Stopped:	Other Means
Source:	Unknown		
Cause:	Unknown		
Lead Agency:	Local Agency		
Case Type:	Undefined		
Priority:	0	Staff Initials:	RBA
Status:	Signed off, remedial action completed or deemed unnecessary		
Abate Method:	Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)		
Refer Date:	//	Review Date:	06/20/91
R.P. Search:	Solvent	Funding:	Federal Funds

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CITY OF SANTA BARBARA AIRPORT (Continued)

S102428074

Confirm Leak: 05/10/89	Workplan: //
Prelim Assess: 05/15/90	Pollution Char: //
Remed Plan: //	Remed Action: 09/04/90
Monitoring: //	Close Date: 03/28/91
Enforce Type: Not reported	
Enforce Date: //	Pilot Program: True
First Tracking: //	Tracking Use: Not reported
Scnd Tracking: //	Tracking Use: Not reported
Third Tracking: //	Tracking Use: Not reported
Interim Action: False	Region: 3
Contaminants: DIESEL	Description: Not reported
MTBE Discharged: /	MTBE Detected: No
Site Phone: Not reported	
Watershed: 15.32	
Basin Plan: Not reported	
Summary: Not reported	

50
 West
 1/2-1
 2854

MOSELEY ASSOCIATES, INC
 111 CASTILIAN DR
 GOLETA, CA 93117

Cal-Sites S101482255
 N/A

CAL-SITES:

Facility ID	42360032
Status:	NFA
Status Date:	10/12/1994
Lead:	Not reported
Region:	3 - BURBANK
Branch:	SB - SOUTHERN CA. - B
File Name:	Not reported
Status Name:	NO FURTHER ACTION FOR DTSC
Lead Agency:	N/A
NPL:	Not reported
SIC:	36 MANU - ELECTRONIC & OTHER ELECTRIC EQUIP
Facility Type:	N/A
Facility Type Name:	Not reported
Staff Member Responsible for Site:	Not reported
Supervisor Responsible for Site:	MMONROY
Region Water Control Board:	Not reported
Access:	Not reported
Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Not reported
No. of Contamination Sources:	0.00000
Lat/Long:	0.00000° 0.00000' 0.00000" / 0.00000° 0.00000' 0.00000"
Lat/long Method:	Not reported
State Assembly District Code:	Not reported
State Senate District:	Not reported

51
 ENE
 1/2-1
 3054

SANTA BARBARA LEMON ASSOC.
 30 S LA PATERA LN
 GOLETA, CA 93117

LUST HAZNET S100622032
 N/A

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SANTA BARBARA LEMON ASSOC. (Continued)

S100622032

State LUST:

Facility Type	INACTIVE	Cross Street:	Not reported
Reg Board:	Central Coast Region	Qty Leaked:	Not reported
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Other ground water affected		
Status:	Signed off, remedial action completed or deemed unnecessary		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site, Pump and Treat Ground Water - generally employed to remove dissolved contaminants, Vent Soil - bore holes in soil to allow volatilization of contaminants		
Review Date:	01/08/1991	Confirm Leak:	04/13/1987
Workplan:	Not reported	Prelim Assess:	02/01/1988
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	05/13/1988	Monitoring:	02/14/1990
Close Date:	01/07/1991	Release Date:	03/11/1987

LUST Region 3:

Enter Date:	08/23/92	PROP65 Mail:	False
Emergency:	False	Case Number:	2238.00000
Reported By:	BROWN		
	Not reported		
Representing:	Other		
Respble Party:	S.B. BANK & TRUST		
RP Address	P.O. DRAWER JJ SANTA BARBARA, CA 93102		
	Not reported		
Operator:	Not reported	Contact:	GARY NEWMAN
Cross Street:	Not reported		
Local Agency:	42000	Reg Board:	Central Coast Region
Chemical:	Gasoline	Quantity:	Not reported
Discovered:	//	Stop Date:	//
How Found:	Other Means	How Stopped:	Other Means
Source:	Unknown		
Cause:	Unknown		
Lead Agency:	Local Agency		
Case Type:	Other ground water affected		
Priority:	0	Staff Initials:	RBA
Status:	Signed off, remedial action completed or deemed unnecessary		
Abate Method:	Pump and Treat Ground Water - generally employed to remove dissolved contaminants, Excavate and Dispose - remove contaminated soil and dispose in approved site, Vent Soil - bore holes in soil to allow volatilization of contaminants		
Refer Date:	//	Review Date:	01/08/91
R.P. Search:	Solvent	Funding:	State Funds
Confirm Leak:	04/13/87	Workplan:	//
Prelim Assess:	02/01/88	Pollution Char:	//
Remed Plan:	//	Remed Action:	05/13/88
Monitoring:	02/14/90	Close Date:	01/07/91
Enforce Type:	Not reported		
Enforce Date:	//	Pilot Program:	True
First Tracking:	//	Tracking Use:	Not reported
Scnd Tracking:	//	Tracking Use:	Not reported
Third Tracking:	//	Tracking Use:	Not reported
Interim Action:	False	Region:	3
Contaminants:	GASOLINE	Description:	Not reported
MTBE Discharged:	//	MTBE Detected:	No
Site Phone:	Not reported		

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number
EPA ID Number

Database(s)

SANTA BARBARA LEMON ASSOC. (Continued)

S100622032

Watershed: 15.31
Basin Plan: Not reported
Summary: Not reported

HAZNET:

Year: Not reported
Gepaid: CAL000026371
Contact: Not reported
Gen County: Not reported
Tsd Name: ROMIC CHEMICAL CORP
Tsd Address: 2081 BAY RD
PALO ALTO
Tsd County: Santa Clara
Mailing Address: Not reported
Category: 212
Disposal Method: D99

Tepaid: CAD009452657
Telephone: Not reported
Tons: 108

52
East
1/2-1
3256

APPLIED MAGNETICS CORPORATION
6300 HOLLISTER AVE
GOLETA, CA 93117

FINDS 1000284773
RCRIS-LQG CAD982481863
TRIS
Ca. FID
LUST
HAZNET

RCRIS:

Owner: APPLIED MAGNETICS COR
(415) 555-1212
Contact: ENVIRONMENTAL MANAGER
(805) 683-5353
Record Date: 09/01/1996
Classification: Large Quantity Generator

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1995

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	27454.13	F003	28635.83
F006	40800.00	F009	1444.95

Used Oil Recyc: No

Violation Status: No violations found

State LUST:

Facility Type: INACTIVE
Reg Board: Central Coast Region
Chemical: Acetic Acid
Lead Agency: Local Agency
Case Type: Undefined
Status: Signed off, remedial action completed or deemed unnecessary
Abate Method: U
Review Date: 06/30/1992
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Close Date: Not reported

Cross Street: ROBIN HILL ROAD
Qty Leaked: Not reported

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported
Monitoring: Not reported
Release Date: 03/24/1992

LUST Region 3:

Enter Date: 06/29/92
Emergency: False
PROP65 Mail: False
Case Number: 2129.00000

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

APPLIED MAGNETICS CORPORATION (Continued)

1000284773

Reported By: LARRY D PERSON
 120 CREMONA DR SUITE C GOLETA CA 93117

Representing: Other
 Respble Party: APPLIED MAGNETICS
 RP Address: 6300 HOLLISTER AVE GOLETA CA 93117
 (805)683-5353

Operator: Not reported
 Cross Street: ROBIN HILL ROAD
 Local Agency: 42000
 Chemical: Acetic Acid
 Discovered: 03/24/92
 How Found: Other Means
 Source: Tank
 Cause: Structure Failure
 Lead Agency: Local Agency
 Case Type: Undefined
 Priority: 0
 Status: Signed off, remedial action completed or deemed unnecessary
 Abate Method: U
 Refer Date: //
 R.P. Search: Search Not Completed
 Confirm Leak: //
 Prelim Assess: //
 Remed Plan: //
 Monitoring: //
 Enforce Type: Not reported
 Enforce Date: //
 First Tracking: //
 Scnd Tracking: //
 Third Tracking: //
 Interim Action: False
 Contaminants: ACETIC ACID
 MTBE Discharced: /
 Site Phone: (805)683-5353
 Watershed: 15.31
 Basin Plan: Not reported
 Summary: Not reported

Contact: RICHARD DEAN
 Reg Board: Central Coast Region
 Quantity: Not reported
 Stop Date: //
 How Stopped: Repair Tank
 Staff Initials: RBA
 Review Date: 06/30/92
 Funding: Not reported
 Workplan: //
 Pollution Char: //
 Remed Action: //
 Close Date: //

Pilot Program: False
 Tracking Use: Not reported
 Tracking Use: Not reported
 Tracking Use: Not reported
 Region: 3
 Description: Not reported
 MTBE Detected: No

HAZNET:

Year: Not reported
 Gepaid: CAD982481863
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEM WASTE MGR
 Tsd Address: 1704 W FIRST ST
 AZUSA
 Tsd County: Los Angeles
 Mailing Address: Not reported
 Category: 351
 Disposal Method: R01

Tepaid: CAD008302903
 Telephone: Not reported
 Tons: 116

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

APPLIED MAGNETICS CORPORATION (Continued)

1000284773

Year: Not reported
 Gepaid: CAD982481863
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: ROMIC CHEMICAL CORP
 Tsd Address: 2081 BAY RD
 PALO ALTO
 Tsd County Santa Clara
 Mailing Address: Not reported
 Category: 133
 Disposal Method: D99

Tepaid: CAD009452657
 Telephone: Not reported
 Tons: 20

Year: Not reported
 Gepaid: CAD982481863
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: ROMIC CHEMICAL CORP
 Tsd Address: 2081 BAY RD
 PALO ALTO
 Tsd County Santa Clara
 Mailing Address: Not reported
 Category: 133
 Disposal Method: R01

Tepaid: CAD009452657
 Telephone: Not reported
 Tons: 12

Year: Not reported
 Gepaid: CAD982481863
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: ROMIC CHEMICAL CORP
 Tsd Address: 2081 BAY RD
 PALO ALTO
 Tsd County Santa Clara
 Mailing Address: Not reported
 Category: 133
 Disposal Method: UNK

Tepaid: CAD009452657
 Telephone: Not reported
 Tons: 20

Year: Not reported
 Gepaid: CAD982481863
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: ROMIC CHEMICAL CORP
 Tsd Address: 2081 BAY RD
 PALO ALTO
 Tsd County Santa Clara
 Mailing Address: Not reported
 Category: 212
 Disposal Method: D99

Tepaid: CAD009452657
 Telephone: Not reported
 Tons: 34

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

APPLIED MAGNETICS CORPORATION (Continued)

1000284773

Year: Not reported
 Gepaid: CAD982481863
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: ROMIC CHEMICAL CORP
 Tsd Address: 2081 BAY RD
 PALO ALTO
 Tsd County Santa Clara
 Mailing Address: Not reported
 Category: 221
 Disposal Method: D99

Tepaid: CAD009452657
 Telephone: Not reported
 Tons: 66

Year: Not reported
 Gepaid: CAD982481863
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: ROMIC CHEMICAL CORP
 Tsd Address: 2081 BAY RD
 PALO ALTO
 Tsd County Santa Clara
 Mailing Address: Not reported
 Category: 343
 Disposal Method: D99

Tepaid: CAD009452657
 Telephone: Not reported
 Tons: 668

Year: Not reported
 Gepaid: CAD982481863
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: ROMIC CHEMICAL CORP
 Tsd Address: 2081 BAY RD
 PALO ALTO
 Tsd County Santa Clara
 Mailing Address: Not reported
 Category: 343
 Disposal Method: R01

Tepaid: CAD009452657
 Telephone: Not reported
 Tons: 137

Year: Not reported
 Gepaid: CAD982481863
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: ROMIC CHEMICAL CORP
 Tsd Address: 2081 BAY RD
 PALO ALTO
 Tsd County Santa Clara
 Mailing Address: Not reported
 Category: 343
 Disposal Method: UNK

Tepaid: CAD009452657
 Telephone: Not reported
 Tons: 206

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

APPLIED MAGNETICS CORPORATION (Continued)

1000284773

Year: Not reported
 Gepaid: CAD982481863
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: ROMIC CHEMICAL CORP
 Tsd Address: 2081 BAY RD
 PALO ALTO
 Tsd County Santa Clara
 Mailing Address: Not reported
 Category: 541
 Disposal Method: D99

Tepaid: CAD009452657
 Telephone: Not reported
 Tons: 363

Year: Not reported
 Gepaid: CAD982481863
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: ROMIC CHEMICAL CORP
 Tsd Address: 2081 BAY RD
 PALO ALTO
 Tsd County Santa Clara
 Mailing Address: Not reported
 Category: 541
 Disposal Method: UNK

Tepaid: CAD009452657
 Telephone: Not reported
 Tons: 79

Year: Not reported
 Gepaid: CAD982481863
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: ROMIC CHEMICAL CORP
 Tsd Address: 2081 BAY RD
 PALO ALTO
 Tsd County Santa Clara
 Mailing Address: Not reported
 Category: 741
 Disposal Method: D99

Tepaid: CAD009452657
 Telephone: Not reported
 Tons: 20

Year: Not reported
 Gepaid: CAD982481863
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: ROMIC CHEMICAL CORP
 Tsd Address: 2081 BAY RD
 PALO ALTO
 Tsd County Santa Clara
 Mailing Address: Not reported
 Category: 741
 Disposal Method: R01

Tepaid: CAD009452657
 Telephone: Not reported
 Tons: 12

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

APPLIED MAGNETICS CORPORATION (Continued)

1000284773

Year: Not reported
 Gepaid: CAD982481863
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County Kings
 Mailing Address: Not reported
 Category: 171
 Disposal Method: D80

Tepaid: CAT000646117
 Telephone: Not reported
 Tons: 421

Year: Not reported
 Gepaid: CAD982481863
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County Kings
 Mailing Address: Not reported
 Category: 171
 Disposal Method: T01

Tepaid: CAT000646117
 Telephone: Not reported
 Tons: 421

Year: Not reported
 Gepaid: CAD982481863
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County Kings
 Mailing Address: Not reported
 Category: 181
 Disposal Method: D80

Tepaid: CAT000646117
 Telephone: Not reported
 Tons: 1090

Year: Not reported
 Gepaid: CAD982481863
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County Kings
 Mailing Address: Not reported
 Category: 181
 Disposal Method: UNK

Tepaid: CAT000646117
 Telephone: Not reported
 Tons: 352

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

APPLIED MAGNETICS CORPORATION (Continued)

1000284773

Year:	Not reported	Tepaid:	CAT000646117
Gepaid:	CAD982481863	Telephone:	Not reported
Contact:	Not reported	Tons:	307
Gen County:	Not reported		
Tsd Name:	CHEMICAL WASTE MGMT INC/KETTLEMANHILLS		
Tsd Address:	KETTLEMAN N DOME LDFL HWY 41 KETTLEMAN CITY		
Tsd County	Kings		
Mailing Address:	Not reported		
Category:	352		
Disposal Method:	D80		
Year:	Not reported	Tepaid:	CAT000646117
Gepaid:	CAD982481863	Telephone:	Not reported
Contact:	Not reported	Tons:	55
Gen County:	Not reported		
Tsd Name:	CHEMICAL WASTE MGMT INC/KETTLEMANHILLS		
Tsd Address:	KETTLEMAN N DOME LDFL HWY 41 KETTLEMAN CITY		
Tsd County	Kings		
Mailing Address:	Not reported		
Category:	352		
Disposal Method:	D99		
Year:	Not reported	Tepaid:	CAT000646117
Gepaid:	CAD982481863	Telephone:	Not reported
Contact:	Not reported	Tons:	163
Gen County:	Not reported		
Tsd Name:	CHEMICAL WASTE MGMT INC/KETTLEMANHILLS		
Tsd Address:	KETTLEMAN N DOME LDFL HWY 41 KETTLEMAN CITY		
Tsd County	Kings		
Mailing Address:	Not reported		
Category:	352		
Disposal Method:	UNK		
Year:	Not reported	Tepaid:	CAT000646117
Gepaid:	CAD982481863	Telephone:	Not reported
Contact:	Not reported	Tons:	110
Gen County:	Not reported		
Tsd Name:	CHEMICAL WASTE MGMT INC/KETTLEMANHILLS		
Tsd Address:	KETTLEMAN N DOME LDFL HWY 41 KETTLEMAN CITY		
Tsd County	Kings		
Mailing Address:	Not reported		
Category:	711		
Disposal Method:	D99		

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

APPLIED MAGNETICS CORPORATION (Continued)

1000284773

Year: Not reported
 Gepaid: CAD982481863
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County: Kings
 Mailing Address: Not reported
 Category: 711
 Disposal Method: T01

Tepaid: CAT000646117
 Telephone: Not reported
 Tons: 22

Year: Not reported
 Gepaid: CAD982481863
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County: Kings
 Mailing Address: Not reported
 Category: 711
 Disposal Method: UNK

Tepaid: CAT000646117
 Telephone: Not reported
 Tons: 44

Year: Not reported
 Gepaid: CAD982481863
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County: Kings
 Mailing Address: Not reported
 Category: 724
 Disposal Method: T01

Tepaid: CAT000646117
 Telephone: Not reported
 Tons: 630

Year: Not reported
 Gepaid: CAD982481863
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County: Kings
 Mailing Address: Not reported
 Category: 724
 Disposal Method: UNK

Tepaid: CAT000646117
 Telephone: Not reported
 Tons: 300

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

APPLIED MAGNETICS CORPORATION (Continued)

1000284773

FID:

Facility ID:	42001813	Regulate ID:	Not reported
Reg By:	Inactive Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Inactive	Facility Tel:	Not reported
Mail To:	Not reported		
	75 ROBIN HILL RD		
	GOLETA, CA 93117		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

53
 WSW
 1/2-1
 3591

SANTA BARBARA RESEARCH CENTER
 75 COROMAR DR
 GOLETA, CA 93117

FINDS 1000394893
 RCRIS-LQG CAD028260297
 RCRIS-TSD
 CORRACTS
 CERC-NFRAP
 Ca. FID
 Notify 65
 HAZNET
 Cal-Sites

CERCLIS-NFRAP Classification Data:

Site Incident Category:	Not reported	Federal Facility:	Not reported
Ownership Status:	Private	NPL Status:	Not on the NPL

CERCLIS-NFRAP Assessment History:

Assessment:	DISCOVERY	Completed:	19910301
Assessment:	PRELIMINARY ASSESSMENT	Completed:	19910802

CORRACTS Data:

Prioritization:	Low
Status:	Not reported

RCRIS:

Owner: RAYTHEON SYSTEMS CO
 (213) 569-7200

Contact: Not reported

Record Date: 07/01/1998

Classification: Large Quantity Generator

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1995

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	35099.00	D002	5559.00
D003	5069.00	D006	18984.00
D007	9954.00	D008	1875.00
D009	17265.00	D010	1425.00
D011	4205.00	F001	33015.00
F002	31230.00	F003	62350.00
F005	49830.00	F007	450.00

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SANTA BARBARA RESEARCH CENTER (Continued)

1000394893

Used Oil Recyc: No

Violation Status: Violation information exist

There are 9 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	06/22/1994
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	01/09/1992
	Generator-All Requirements	01/09/1992
Compliance Evaluation Inspection (CEI)	TSD-Land Ban Requirements	04/10/1990
	Generator-Land Ban Requirements	04/10/1990
	TSD-Other Requirements	04/10/1990
Other Evaluation	TSD-Land Ban Requirements	02/28/1988
	Generator-Land Ban Requirements	02/28/1988
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	02/28/1988

CAL-SITES:

Facility ID: 42370001
 Status: REFR
 Status Date: 08/16/1988
 Lead: Not reported
 Region: 3 - BURBANK
 Branch: SA - SOUTHERN CA. - A
 File Name: Not reported
 Status Name: PROPERTY/SITE REFERRED TO RCRA
 Lead Agency: N/A
 NPL: Not reported
 SIC: 37 MANU - TRANSPORTATION EQUIPMENT
 Facility Type: N/A
 Facility Type Name: Not reported
 Staff Member Responsible for Site: Not reported
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: Not reported
 Access: Not reported
 Cortese: Not reported
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Not reported
 No. of Contamination Sources: 0.00000
 Lat/Long: 0.00000° 0.00000° 0.00000" / 0.00000° 0.00000° 0.00000"
 Lat/long Method: Not reported
 State Assembly District Code: Not reported
 State Senate District: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SANTA BARBARA RESEARCH CENTER (Continued)

1000394893

HAZNET:

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: UNKNOWN
 Tsd Address: Not reported
 Tsd County: 99
 Mailing Address: Not reported
 Category: 181
 Disposal Method: UNK

Tepaid: AZT050010180
 Telephone: Not reported
 Tons: 6

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: UNKNOWN
 Tsd Address: Not reported
 Tsd County: 99
 Mailing Address: Not reported
 Category: 331
 Disposal Method: UNK

Tepaid: AZT050010180
 Telephone: Not reported
 Tons: 18

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: UNKNOWN
 Tsd Address: Not reported
 Tsd County: 99
 Mailing Address: Not reported
 Category: 724
 Disposal Method: UNK

Tepaid: AZT050010180
 Telephone: Not reported
 Tons: 19

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: UNKNOWN
 Tsd Address: Not reported
 Tsd County: 99
 Mailing Address: Not reported
 Category: 792
 Disposal Method: UNK

Tepaid: AZT050010180
 Telephone: Not reported
 Tons: 48

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SANTA BARBARA RESEARCH CENTER (Continued)

1000394893

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEM WASTE MGR
 Tsd Address: 1704 W FIRST ST
 AZUSA
 Tsd County Los Angeles
 Mailing Address: Not reported
 Category: 133
 Disposal Method: D99

Tepaid: CAD008302903
 Telephone: Not reported
 Tons: 45

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEM WASTE MGR
 Tsd Address: 1704 W FIRST ST
 AZUSA
 Tsd County Los Angeles
 Mailing Address: Not reported
 Category: 133
 Disposal Method: R01

Tepaid: CAD008302903
 Telephone: Not reported
 Tons: 113

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEM WASTE MGR
 Tsd Address: 1704 W FIRST ST
 AZUSA
 Tsd County Los Angeles
 Mailing Address: Not reported
 Category: 212
 Disposal Method: D99

Tepaid: CAD008302903
 Telephone: Not reported
 Tons: 22

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEM WASTE MGR
 Tsd Address: 1704 W FIRST ST
 AZUSA
 Tsd County Los Angeles
 Mailing Address: Not reported
 Category: 212
 Disposal Method: R01

Tepaid: CAD008302903
 Telephone: Not reported
 Tons: 216

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SANTA BARBARA RESEARCH CENTER (Continued)

1000394893

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEM WASTE MGR
 Tsd Address: 1704 W FIRST ST
 AZUSA
 Tsd County Los Angeles
 Mailing Address: Not reported
 Category: 212
 Disposal Method: UNK

Tepaid: CAD008302903
 Telephone: Not reported
 Tons: 44

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEM WASTE MGR
 Tsd Address: 1704 W FIRST ST
 AZUSA
 Tsd County Los Angeles
 Mailing Address: Not reported
 Category: 214
 Disposal Method: D99

Tepaid: CAD008302903
 Telephone: Not reported
 Tons: 135

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEM WASTE MGR
 Tsd Address: 1704 W FIRST ST
 AZUSA
 Tsd County Los Angeles
 Mailing Address: Not reported
 Category: 214
 Disposal Method: R01

Tepaid: CAD008302903
 Telephone: Not reported
 Tons: 424

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEM WASTE MGR
 Tsd Address: 1704 W FIRST ST
 AZUSA
 Tsd County Los Angeles
 Mailing Address: Not reported
 Category: 214
 Disposal Method: UNK

Tepaid: CAD008302903
 Telephone: Not reported
 Tons: 44

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SANTA BARBARA RESEARCH CENTER (Continued)

1000394893

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEM WASTE MGR
 Tsd Address: 1704 W FIRST ST
 AZUSA
 Tsd County Los Angeles
 Mailing Address: Not reported
 Category: 221
 Disposal Method: D99

Tepaid: CAD008302903
 Telephone: Not reported
 Tons: 22

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEM WASTE MGR
 Tsd Address: 1704 W FIRST ST
 AZUSA
 Tsd County Los Angeles
 Mailing Address: Not reported
 Category: 221
 Disposal Method: R01

Tepaid: CAD008302903
 Telephone: Not reported
 Tons: 142

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEM WASTE MGR
 Tsd Address: 1704 W FIRST ST
 AZUSA
 Tsd County Los Angeles
 Mailing Address: Not reported
 Category: 223
 Disposal Method: R01

Tepaid: CAD008302903
 Telephone: Not reported
 Tons: 26

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEM WASTE MGR
 Tsd Address: 1704 W FIRST ST
 AZUSA
 Tsd County Los Angeles
 Mailing Address: Not reported
 Category: 351
 Disposal Method: D99

Tepaid: CAD008302903
 Telephone: Not reported
 Tons: 134

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SANTA BARBARA RESEARCH CENTER (Continued)

1000394893

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEM WASTE MGR
 Tsd Address: 1704 W FIRST ST
 AZUSA
 Tsd County Los Angeles
 Mailing Address: Not reported
 Category: 351
 Disposal Method: R01

Tepaid: CAD008302903
 Telephone: Not reported
 Tons: 56

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEM WASTE MGR
 Tsd Address: 1704 W FIRST ST
 AZUSA
 Tsd County Los Angeles
 Mailing Address: Not reported
 Category: 351
 Disposal Method: UNK

Tepaid: CAD008302903
 Telephone: Not reported
 Tons: 13

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEM WASTE MGR
 Tsd Address: 1704 W FIRST ST
 AZUSA
 Tsd County Los Angeles
 Mailing Address: Not reported
 Category: 352
 Disposal Method: R01

Tepaid: CAD008302903
 Telephone: Not reported
 Tons: 70

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEM WASTE MGR
 Tsd Address: 1704 W FIRST ST
 AZUSA
 Tsd County Los Angeles
 Mailing Address: Not reported
 Category: 352
 Disposal Method: UNK

Tepaid: CAD008302903
 Telephone: Not reported
 Tons: 51

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SANTA BARBARA RESEARCH CENTER (Continued)

1000394893

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEM WASTE MGR
 Tsd Address: 1704 W FIRST ST
 AZUSA
 Tsd County: Los Angeles
 Mailing Address: Not reported
 Category: 461
 Disposal Method: R01

Tepaid: CAD008302903
 Telephone: Not reported
 Tons: 18

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEM WASTE MGR
 Tsd Address: 1704 W FIRST ST
 AZUSA
 Tsd County: Los Angeles
 Mailing Address: Not reported
 Category: 741
 Disposal Method: R01

Tepaid: CAD008302903
 Telephone: Not reported
 Tons: 113

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEM WASTE MGR
 Tsd Address: 1704 W FIRST ST
 AZUSA
 Tsd County: Los Angeles
 Mailing Address: Not reported
 Category: 751
 Disposal Method: D99

Tepaid: CAD008302903
 Telephone: Not reported
 Tons: 35

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEM WASTE MGR
 Tsd Address: 1704 W FIRST ST
 AZUSA
 Tsd County: Los Angeles
 Mailing Address: Not reported
 Category: 751
 Disposal Method: R01

Tepaid: CAD008302903
 Telephone: Not reported
 Tons: 50

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SANTA BARBARA RESEARCH CENTER (Continued)

1000394893

Year:	Not reported	Tepaid:	CAT000646117
Gepaid:	CAD028260297	Telephone:	Not reported
Contact:	Not reported	Tons:	12
Gen County:	Not reported		
Tsd Name:	CHEMICAL WASTE MGMT INC/KETTLEMANHILLS		
Tsd Address:	KETTLEMAN N DOME LDFL HWY 41 KETTLEMAN CITY		
Tsd County	Kings		
Mailing Address:	Not reported		
Category:	132		
Disposal Method:	D99		
Year:	Not reported	Tepaid:	CAT000646117
Gepaid:	CAD028260297	Telephone:	Not reported
Contact:	Not reported	Tons:	40
Gen County:	Not reported		
Tsd Name:	CHEMICAL WASTE MGMT INC/KETTLEMANHILLS		
Tsd Address:	KETTLEMAN N DOME LDFL HWY 41 KETTLEMAN CITY		
Tsd County	Kings		
Mailing Address:	Not reported		
Category:	132		
Disposal Method:	T01		
Year:	Not reported	Tepaid:	CAT000646117
Gepaid:	CAD028260297	Telephone:	Not reported
Contact:	Not reported	Tons:	45
Gen County:	Not reported		
Tsd Name:	CHEMICAL WASTE MGMT INC/KETTLEMANHILLS		
Tsd Address:	KETTLEMAN N DOME LDFL HWY 41 KETTLEMAN CITY		
Tsd County	Kings		
Mailing Address:	Not reported		
Category:	135		
Disposal Method:	D99		
Year:	Not reported	Tepaid:	CAT000646117
Gepaid:	CAD028260297	Telephone:	Not reported
Contact:	Not reported	Tons:	100
Gen County:	Not reported		
Tsd Name:	CHEMICAL WASTE MGMT INC/KETTLEMANHILLS		
Tsd Address:	KETTLEMAN N DOME LDFL HWY 41 KETTLEMAN CITY		
Tsd County	Kings		
Mailing Address:	Not reported		
Category:	135		
Disposal Method:	T01		

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SANTA BARBARA RESEARCH CENTER (Continued)

1000394893

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County: Kings
 Mailing Address: Not reported
 Category: 141
 Disposal Method: T01

Tepaid: CAT000646117
 Telephone: Not reported
 Tons: 10

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County: Kings
 Mailing Address: Not reported
 Category: 151
 Disposal Method: UNK

Tepaid: CAT000646117
 Telephone: Not reported
 Tons: 6

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County: Kings
 Mailing Address: Not reported
 Category: 181
 Disposal Method: D80

Tepaid: CAT000646117
 Telephone: Not reported
 Tons: 12754

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County: Kings
 Mailing Address: Not reported
 Category: 181
 Disposal Method: T01

Tepaid: CAT000646117
 Telephone: Not reported
 Tons: 38

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SANTA BARBARA RESEARCH CENTER (Continued)

1000394893

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County Kings
 Mailing Address: Not reported
 Category: 181
 Disposal Method: UNK

Tepaid: CAT000646117
 Telephone: Not reported
 Tons: 24

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County Kings
 Mailing Address: Not reported
 Category: 352
 Disposal Method: D80

Tepaid: CAT000646117
 Telephone: Not reported
 Tons: 148

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County Kings
 Mailing Address: Not reported
 Category: 352
 Disposal Method: UNK

Tepaid: CAT000646117
 Telephone: Not reported
 Tons: 1736

Year: Not reported
 Gepaid: CAD028260297
 Contact: Not reported
 Gen County: Not reported
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County Kings
 Mailing Address: Not reported
 Category: 512
 Disposal Method: D80

Tepaid: CAT000646117
 Telephone: Not reported
 Tons: 78

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SANTA BARBARA RESEARCH CENTER (Continued)

1000394893

Year: Not reported
 Gepaid: CAD028260297 Tepaid: CAT000646117
 Contact: Not reported Telephone: Not reported
 Gen County: Not reported Tons: 14
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County Kings
 Mailing Address: Not reported
 Category: 512
 Disposal Method: D99

Year: Not reported
 Gepaid: CAD028260297 Tepaid: CAT000646117
 Contact: Not reported Telephone: Not reported
 Gen County: Not reported Tons: 121
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County Kings
 Mailing Address: Not reported
 Category: 513
 Disposal Method: D80

Year: Not reported
 Gepaid: CAD028260297 Tepaid: CAT000646117
 Contact: Not reported Telephone: Not reported
 Gen County: Not reported Tons: 16
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County Kings
 Mailing Address: Not reported
 Category: 513
 Disposal Method: D99

Year: Not reported
 Gepaid: CAD028260297 Tepaid: CAT000646117
 Contact: Not reported Telephone: Not reported
 Gen County: Not reported Tons: 62
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County Kings
 Mailing Address: Not reported
 Category: 541
 Disposal Method: D99

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SANTA BARBARA RESEARCH CENTER (Continued)

1000394893

Year: Not reported
 Gepaid: CAD028260297 Tepageid: CAT000646117
 Contact: Not reported Telephone: Not reported
 Gen County: Not reported Tons: 111
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County Kings
 Mailing Address: Not reported
 Category: 541
 Disposal Method: T01

Year: Not reported
 Gepaid: CAD028260297 Tepageid: CAT000646117
 Contact: Not reported Telephone: Not reported
 Gen County: Not reported Tons: 14
 Tsd Name: CHEMICAL WASTE MGMT INC/KETTLEMANHILLS
 Tsd Address: KETTLEMAN N DOME LDFL HWY 41
 KETTLEMAN CITY
 Tsd County Kings
 Mailing Address: Not reported
 Category: 726
 Disposal Method: T01

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: 91118

FID:

Facility ID: 42001790 Regulate ID: Not reported
 Reg By: Active Underground Storage Tank Location
 Cortese Code: Not reported SIC Code: Not reported
 Status: Active Facility Tel: Not reported
 Mail To: Not reported
 75 COROMAR DR
 GOLETA, CA 93117
 Contact: Not reported Contact Tel: Not reported
 DUNs No: Not reported NPDES No: Not reported
 Creation: 10/22/93 Modified: 00/00/00
 EPA ID: Not reported
 Comments: Not reported

54
 WSW
 1/2-1
 3626

RENCO CORP
26 COROMAR DR
GOLETA, CA 93117

RCRIS-SQG 1000175649
FINDS CAD981455314
CA SLIC

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

RENCO CORP (Continued)

1000175649

RCRIS:

Owner: UNIVERSITY EXCHANGE
 (415) 555-1212
 Contact: ENVIRONMENTAL MANAGER
 (805) 968-1525
 Record Date: 09/01/1996
 Classification: Small Quantity Generator
 Used Oil Recyc: No
 Violation Status: No violations found

SLIC Region 3:

Entered Into Database: 05/27/97
 How Contamination Occurred: ON-SITE SUMPS
 Watershed: 15.31
 PROP65 Mail: False
 Emergency Action Taken: False
 Unique Case Number: 198.00000
 Date First Reported: Not reported
 Person Who Reported Leak: Not reported
 Who Reporting Party Represents: Not reported
 Reporting Party's Address: Not reported
 Operator: RENCO ENCODERS
 Responsible Party Search Status: Not reported
 Responsible Party: RENCO ENCODERS
 Responsible Party's Address: 26 COROMAR DR GOLETA
 Responsible Party Contact: DAN BAXTER
 Responsible Party Phone: Not reported
 Responsible Party PO Box: Not reported
 Facility Phone: Not reported
 Leak Site Cross Street: CORTONA DR
 Local Agency: 42000
 Primary Substance leaked: 79016 TCE/1,1,1-TCA
 Quantity Leaked (Gal): Not reported
 Date Leak Found: Not reported
 How Lead Was Discovered: Not reported
 Date Leak Stopped: / /
 How Lead Was Discovered: Not reported
 Lead Agency: Regional Board
 Priority Level: Priority 2
 Case Type: Other ground water affected
 Facility Status: Interim Action(s) Taken
 Abatement Method: Not reported
 Staff Member: RBA
 Date Case Given to Regional Board: Not reported
 Cost Recovery: False
 Confirmation of Leak Date: Not reported
 Preliminary Site Assessment Workplan Date: Not reported
 Preliminary Site Assessment Began Date: Not reported
 Pollution Characterization Began Date: 01/01/97
 Remediation Plan Submitted Date: Not reported
 Remedial Action Underway Date: Not reported
 Post Remedial Action Monitoring Date: Not reported
 Enforcement Action Taken: Not reported
 Emergency Response Date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

RENCO CORP (Continued)

1000175649

Case Closed Date: Not reported
 Significant Interim Remedial Actions: False
 Basin Plan: Not reported
 Summary: Not reported

55
 WSW
 1/2-1
 4235

DELCO ELECTRONICS CORP
 6767 HOLLISTER AVENUE
 GOLETA, CA 93017

FINDS 1000175837
RCRIS-LQG CAD009305848
CORRACTS
CERC-NFRAP

CERCLIS-NFRAP Classification Data:

Site Incident Category: Not reported
 Ownership Status: Private
 Federal Facility: Not reported
 NPL Status: Not on the NPL
CERCLIS-NFRAP Assessment History:
 Assessment: DISCOVERY Completed: 19910401
 Assessment: PRELIMINARY ASSESSMENT Completed: 19910912

CORRACTS Data:

Prioritization: Low
 Status: RCRA Facility Assessment Completed, RFI Imposition, RFI Workplan Approved

RCRIS:

Owner: GM HUGHES ELECTRONICS CORP
 (317) 459-7912
 Contact: WILLIAM BAYER
 (805) 961-7769
 Record Date: 02/02/1998
 Classification: Large Quantity Generator

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1995

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	2403.60	D002	1363.90
D003	8.30	D006	50.00
D007	673.50	D008	1200.00
D009	3.00	D011	871.50
F001	1996.00	F003	1105.50
F005	2546.50	P015	143.90
U075	30.00	U162	143.90
U226	173.90		

Used Oil Recyc: No

Violation Status: Violation information exist

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

DELCO ELECTRONICS CORP (Continued)

1000175837

There are 12 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	04/18/1995
	TSD-Other Requirements	04/18/1995
	TSD-Other Requirements	04/18/1995
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	03/15/1994
	TSD-Other Requirements	03/15/1994
	TSD-Other Requirements	03/15/1994
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	07/12/1991
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	07/12/1991
Compliance Schedule Evaluation (CSE)	TSD-Other Requirements	07/27/1989
	Formal Enforcement Agreement	07/27/1989
Financial Record Review (FRR)	TSD-Financial Responsibility Requirements	03/20/1989
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	07/27/1989

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
GOLETA	U001580724	RTR	HOLLISTER AVE.	93117	UST	00000059032
GOLETA	S102794639	1X CHEVRON USA	7952 HOLLISTER AVE.		HAZNET	
GOLETA	S102809557	STEWART BROS AUTO	7334 HOLLISTER AVE #EST		HAZNET	
GOLETA	S102794832	1X KMART	6865 HOLLISTER AVE.		HAZNET	
GOLETA	S102815940	PIP PRINTING #1332	5727 HOLLISTER AVENUE		HAZNET	
GOLETA	S102798179	GTE	SOUTHSIDE OF HOLLISTER, WEST	93117	HAZNET	

GEOCHECK VERSION 2.1 ADDENDUM GROUNDWATER FLOW INFORMATION

Map ID
Direction
Distance
Elevation

Site

2g Site ID: Not Reported
ENE Groundwater Flow: NW
1 - 2 Miles Shallow Water Depth: 24
Lower Deep Water Depth: 2850
Average Water Depth: 23
Date: NOVEMBER 3

3g Site ID: Not Reported
East Groundwater Flow: NE
1 - 2 Miles Shallow Water Depth: 15
Lower Deep Water Depth: 16
Average Water Depth: Not Reported
Date: 9/4/1987

4g Site ID: Not Reported
ENE Groundwater Flow: Not Reported
1/2 - 1 Mile Shallow Water Depth: 61
Lower Deep Water Depth: 62.5
Average Water Depth: Not Reported
Date: 9/27/1987

6g Site ID: Not Reported
East Groundwater Flow: SSW
1 - 2 Miles Shallow Water Depth: 10
Lower Deep Water Depth: 12
Average Water Depth: Not Reported
Date: 4/28/1995

7g Site ID: Not Reported
East Groundwater Flow: SE
1 - 2 Miles Shallow Water Depth: 14.2
Lower Deep Water Depth: 15.5
Average Water Depth: Not Reported
Date: 12/1990

8g Site ID: Not Reported
East Groundwater Flow: Varies
1 - 2 Miles Shallow Water Depth: 5
Lower Deep Water Depth: 70
Average Water Depth: Not Reported
Date: 7/1992

9g Site ID: Not Reported
East Groundwater Flow: W
1 - 2 Miles Shallow Water Depth: 21.80
Lower Deep Water Depth: 22.56
Average Water Depth: Not Reported
Date: 10/14/1991

10g Site ID: Not Reported
East Groundwater Flow: NW
1 - 2 Miles Shallow Water Depth: Not Reported
Lower Deep Water Depth: Not Reported
Average Water Depth: 22
Date: 2/5/1992

GEOCHECK VERSION 2.1 GROUNDWATER FLOW INFORMATION

Map ID
Direction
Distance
Elevation

Site

11g East 1 - 2 Miles Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported S Not Reported Not Reported 14.5 9/27/1996
12g East 1 - 2 Miles Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SSW 4 25 Not Reported 7/2/1993
13g West 1 - 2 Miles Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SE 29.71 34.49 Not Reported JUNE 1, 19
20g ESE 1/8 - 1/4 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	50139 SE 10 40 25 06/09/1989
21g East 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported S 6.62 7.03 Not Reported 12/23/1994
22g SE 1/8 - 1/4 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	51691 S Not Reported Not Reported 11 01/23/1990
23g SSE 1/8 - 1/4 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported W Not Reported Not Reported 8 3/13/1989
24g SSE 1/8 - 1/4 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 10 5/2/1984

GEOCHECK VERSION 2.1 GROUNDWATER FLOW INFORMATION

Map ID
Direction
Distance
Elevation

Site

26g SSW 1/8 - 1/4 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SSW Not Reported Not Reported 10 2/22/1994
27g WSW 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SE Not Reported Not Reported 26 4/17/1984
28g WSW 1 - 2 Miles Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SW 30 50 Not Reported 9/18/1990
30g ESE 1 - 2 Miles Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported N 6 10 Not Reported 8/21/1992
31g SE 1 - 2 Miles Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Flat 3.31 6.86 Not Reported May 13, 97

The following regulatory files were reviewed by a member of EDR's professional field research team in an effort to identify groundwater flow direction and depth information. However, this information was not evident in the reports. This may be for a number of reasons, such as groundwater monitoring wells not being part of the field work or groundwater not having been encountered during drilling. This information is provided to save you time and money in the conduct of your hydrogeological research.

Map ID	Date	Type Of Report
1g	APRIL 19,	REPORT FROM JENACO SERVICE STATION
5g	Not Reported	Not Reported
14g	Not Reported	Not Reported
15g	Not Reported	Not Reported
16g	Not Reported	Not Reported
17g	Not Reported	Not Reported
18g	Not Reported	Not Reported
19g	Not Reported	Not Reported
25g	NA	NA
29g	Not Reported	Not Reported

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Water Wells:

Well Within 1/2 - 1 Mile of Target Property (Northern Quadrant)

Water System Information:

Prime Station Code:	04N/28W-18C04 S	User ID:	TAP
FRDS Number Number:	4210004021	County:	Santa Barbara
District Number:	06	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	342629.6 1195111.4	Precision:	1,000 Feet (10 Seconds)
Source Name:	RAYTHEON 02 - INACTIVE		
System Number:	4210004		
System Name:	GOLETA WATER DISRICT		
Organization That Operates System:	4699 HOLLISTER AVE. GOLETA, CA 93116		
Pop Served:	74000	Connections:	13983
Area Served:	GOLETA		

Well Within 1/2 - 1 Mile of Target Property (Eastern Quadrant)

Water System Information:

Prime Station Code:	04N/28W-07Q05 S	User ID:	42C
FRDS Number Number:	4200697001	County:	Santa Barbara
District Number:	72	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	342600.0 1195030.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	4200697		
System Name:	CRAVIOTTA PARTNERS		
Organization That Operates System:	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		

Well Within 1/2 - 1 Mile of Target Property (Western Quadrant)

Water System Information:

Prime Station Code:	04N/29W-13A01 S	User ID:	TAP
FRDS Number Number:	4210004010	County:	Santa Barbara
District Number:	06	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	342632.7 1195146.3	Precision:	1,000 Feet (10 Seconds)
Source Name:	COROMAR 01 - INACTIVE		
System Number:	4210004		
System Name:	GOLETA WATER DISRICT		
Organization That Operates System:	4699 HOLLISTER AVE. GOLETA, CA 93116		
Pop Served:	74000	Connections:	13983
Area Served:	GOLETA		

GEOCHECK VERSION 2.1
PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Nearest PWS.

PWS SUMMARY:

PWS ID: CA4200691 PWS Status: Active Distance from TP: 1 - 2 Miles
Date Initiated: June / 1977 Date Deactivated: Not Reported Dir relative to TP: East
PWS Name: PACIFIC OFFSHORE PIPELINE CO
PACIFIC OFFSHORE PIPELINE CO
LAS FLORES CYN
SANTA BARBARA, CA 93101

Addressee / Facility: System Owner/Responsible Party
PACIFIC OFFSHORE PIPELINE CO
12100 CALLE REAL
GOLETA, CA 93117

Facility Latitude: 34 26 08 Facility Longitude: 119 49 36
City Served: Not Reported
Treatment Class: Untreated Population Served: Under 101 Persons

PWS currently has or has had major violation(s): No

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D003	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D010	SELENIUM
D011	SILVER
D035	METHYL ETHYL KETONE
D039	TETRACHLOROETHYLENE
D040	TRICHLOROETHYLENE
F001	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F002	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT

EPA Waste Codes Addendum

Code	Description
	MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F006	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
F007	SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
F009	SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.
P015	BERYLLIUM
P098	POTASSIUM CYANIDE
P098	POTASSIUM CYANIDE K(CN)
U075	DICHLORODIFLUOROMETHANE
U075	METHANE, DICHLORODIFLUORO-
U162	METHYL METHACRYLATE (I,T)
U162	2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T)
U226	ETHANE, 1,1,1-TRICHLORO-
U226	METHYL CHLOROFORM

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.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM RECORDS:

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

Telephone: 703-413-0223

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: 11/10/98

Date Made Active at EDR: 01/29/99

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/29/98

Elapsed ASTM days: 31

Date of Last EDR Contact: 03/03/99

ERNS: Emergency Response Notification System

Source: EPA/NTIS

Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/98

Date Made Active at EDR: 01/18/99

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 01/13/99

Elapsed ASTM days: 5

Date of Last EDR Contact: 01/04/99

NPL: National Priority List

Source: EPA

Telephone: 703-603-8852

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).

Date of Government Version: 01/19/99

Date Made Active at EDR: 02/19/99

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/08/99

Elapsed ASTM days: 11

Date of Last EDR Contact: 02/08/99

RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 10/01/98

Date Made Active at EDR: 01/29/99

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 12/28/98

Elapsed ASTM days: 32

Date of Last EDR Contact: 01/25/99

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/01/98

Date Made Active at EDR: 01/29/99

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 12/28/98

Elapsed ASTM days: 32

Date of Last EDR Contact: 12/22/98

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEDERAL NON-ASTM RECORDS:

BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

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: 12/31/95

Database Release Frequency: Biennially

Date of Last EDR Contact: 12/21/98

Date of Next Scheduled EDR Contact: 03/22/99

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

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: Varies

Database Release Frequency: Varies

Date of Last EDR Contact: Varies

Date of Next Scheduled EDR Contact: N/A

FINDS: Facility Index System

Source: EPA/NTIS

Telephone: 703-908-2493

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: 09/30/97

Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/23/98

Date of Next Scheduled EDR Contact: 03/29/99

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4526

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/97

Database Release Frequency: Annually

Date of Last EDR Contact: 03/02/99

Date of Next Scheduled EDR Contact: 04/26/99

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

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: 12/08/98

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/02/99

Date of Next Scheduled EDR Contact: 05/31/99

NPL LIENS: Federal Superfund Liens

Source: EPA

Telephone: 205-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 02/22/98

Date of Next Scheduled EDR Contact: 05/24/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PADS: PCB Activity Database System

Source: EPA

Telephone: 202-260-3936

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: 09/22/97

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/05/99

Date of Next Scheduled EDR Contact: 05/17/99

RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

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: 04/17/95

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 12/15/98

Date of Next Scheduled EDR Contact: 03/15/99

ROD: Records Of Decision

Source: NTIS

Telephone: 703-416-0223

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: 03/31/95

Database Release Frequency: Annually

Date of Last EDR Contact: 02/16/99

Date of Next Scheduled EDR Contact: 04/19/99

TRIS: Toxic Chemical Release Inventory System

Source: EPA/NTIS

Telephone: 202-260-1531

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: 12/31/95

Database Release Frequency: Annually

Date of Last EDR Contact: 12/28/98

Date of Next Scheduled EDR Contact: 03/29/99

TSCA: Toxic Substances Control Act

Source: EPA

Telephone: 202-260-1444

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: 12/31/94

Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 01/25/99

Date of Next Scheduled EDR Contact: 04/26/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE OF CALIFORNIA ASTM RECORDS:

BEP: Bond Expenditure Plan

Source: Department of Health Services

Telephone: 916-255-2118

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: 01/01/89

Date Made Active at EDR: 08/02/94

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 07/27/94

Elapsed ASTM days: 6

Date of Last EDR Contact: 05/31/94

CAL-SITES (AWP): Annual Workplan

Source: California Environmental Protection Agency

Telephone: 916-323-3400

Known Hazardous Waste Sites. California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.

Date of Government Version: 11/04/97

Date Made Active at EDR: 12/20/97

Database Release Frequency: Annually

Date of Data Arrival at EDR: 11/21/97

Elapsed ASTM days: 29

Date of Last EDR Contact: 02/02/99

CAL-SITES (ASPIS): Calsites

Source: Department of Toxic Substance Control

Telephone: 916-323-3400

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.

Date of Government Version: 10/30/98

Date Made Active at EDR: 12/07/98

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 11/03/98

Elapsed ASTM days: 34

Date of Last EDR Contact: 12/08/98

CHMIRS: California Hazardous Material Incident Report System

Source: Office of Emergency Services

Telephone: 916-464-3277

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/94

Date Made Active at EDR: 04/24/95

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 03/13/95

Elapsed ASTM days: 42

Date of Last EDR Contact: 03/02/99

CORTESE: Cortese

Source: CAL EPA/Office of Emergency Information

Telephone: 916-327-1848

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).

Date of Government Version: 04/01/98

Date Made Active at EDR: 09/23/98

Database Release Frequency: Annually

Date of Data Arrival at EDR: 08/26/98

Elapsed ASTM days: 28

Date of Last EDR Contact: 02/03/99

LUST: Leaking Underground Storage Tank Information System

Source: State Water Resources Control Board

Telephone: 916-445-6532

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: 10/01/98

Date Made Active at EDR: 01/13/99

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/09/98

Elapsed ASTM days: 35

Date of Last EDR Contact: 02/08/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NOTIFY 65: Proposition 65

Source: State Water Resources Control Board
Telephone: 916-657-0696

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: 10/21/93
Date Made Active at EDR: 11/19/93
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 11/01/93
Elapsed ASTM days: 18
Date of Last EDR Contact: 01/25/99

SWF/LF (SWIS): Solid Waste Information System

Source: Integrated Waste Management Board
Telephone: 916-255-4035

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 2004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 09/21/98
Date Made Active at EDR: 01/13/99
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/10/98
Elapsed ASTM days: 34
Date of Last EDR Contact: 12/21/98

TOXIC PITS: Toxic Pits

Source: State Water Resources Control Board
Telephone: 916-227-4364

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: 07/01/95
Date Made Active at EDR: 09/26/95
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 08/30/95
Elapsed ASTM days: 27
Date of Last EDR Contact: 02/08/99

CA UST:

UST: Hazardous Substance Storage Container Database

Source: State Water Resources Control Board
Telephone: 916-227-4408

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: 10/15/90
Date Made Active at EDR: 02/12/91
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 01/25/91
Elapsed ASTM days: 18
Date of Last EDR Contact: 01/22/99

FID: Facility Inventory Database

Source: California Environmental Protection Agency
Telephone: 916-445-6532

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: 10/31/94
Date Made Active at EDR: 09/29/95
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 09/05/95
Elapsed ASTM days: 24
Date of Last EDR Contact: 12/28/98

WMUDS/SWAT: Waste Management Unit Database

Source: State Water Resources Control Board
Telephone: 916-227-4448

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: 12/01/98
Date Made Active at EDR: 02/15/99
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 01/11/99
Elapsed ASTM days: 35
Date of Last EDR Contact: 12/14/98

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE OF CALIFORNIA NON-ASTM RECORDS:

AST: Aboveground Petroleum Storage Tank Facilities

Source: State Water Resources Control Board

Telephone: 916-227-4382

Registered Aboveground Storage Tanks.

Date of Government Version: 11/01/98

Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/08/99

Date of Next Scheduled EDR Contact: 05/10/99

HAZMAT: Hazmat Facilities

Source: City of San Jose Fire Department

Telephone: 408-277-4659

Date of Government Version: 09/21/98

Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/22/99

Date of Next Scheduled EDR Contact: 05/24/99

HAZNET: Hazardous Waste Information System

Source: California Environmental Protection Agency

Telephone: 916-324-1781

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: 12/31/95

Database Release Frequency: Annually

Date of Last EDR Contact: 02/05/99

Date of Next Scheduled EDR Contact: 04/19/99

SOUTH BAY: South Bay Site Management System

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-286-0457

Groundwater pollution cases in the Santa Clara Valley where the regulatory lead is the San Francisco Bay Regional Water Quality Control Board.

Date of Government Version: 09/01/96

Database Release Frequency: Annually

Date of Last EDR Contact: 01/28/99

Date of Next Scheduled EDR Contact: 03/15/99

WDS: Waste Discharge System

Source: State Water Resources Control Board

Telephone: 916-657-1571

Sites which have been issued waste discharge requirements.

Date of Government Version: 01/06/99

Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/22/99

Date of Next Scheduled EDR Contact: 05/24/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CALIFORNIA COUNTY RECORDS

ALAMEDA COUNTY:

Underground Tanks

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 04/01/98
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/12/99
Date of Next Scheduled EDR Contact: 05/03/99

Local Oversight Program Listing of UGT Cleanup Sites

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 10/01/97
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/12/99
Date of Next Scheduled EDR Contact: 05/03/99

CONTRA COSTA COUNTY:

SL: Site List

Source: Contra Costa Health Services Department
Telephone: 925-646-2286

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 05/21/98
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/09/98
Date of Next Scheduled EDR Contact: 03/08/99

KERN COUNTY:

UST: Sites & Tanks Listing

Source: Kern County Environment Health Services Department
Telephone: 805-862-8700
Kern County Sites and Tanks Listing.

Date of Government Version: 01/05/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/07/98
Date of Next Scheduled EDR Contact: 03/08/99

LOS ANGELES COUNTY:

HMS: Street Number List

Source: Department of Public Works
Telephone: 626-458-3517
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 09/30/98
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/11/99
Date of Next Scheduled EDR Contact: 04/12/99

SWF/LF: List of Solid Waste Facilities

Source: La County Department of Public Works
Telephone: 818-458-5185

Date of Government Version: 01/31/96
Database Release Frequency: Annually

Date of Last EDR Contact: 02/22/99
Date of Next Scheduled EDR Contact: 05/24/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation List

Source: Community Health Services
Telephone: 213-890-7806
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/20/98
Database Release Frequency: Annually

Date of Last EDR Contact: 02/22/99
Date of Next Scheduled EDR Contact: 05/24/99

MARIN COUNTY:

UST Sites

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Currently permitted USTs in Marin County.

Date of Government Version: 12/01/97
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/10/99
Date of Next Scheduled EDR Contact: 05/10/99

NAPA COUNTY:

LUST: Sites With Reported Contamination

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 10/27/97
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/21/98
Date of Next Scheduled EDR Contact: 03/22/99

UST: Closed and Operating Underground Storage Tank Sites

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 02/17/98
Database Release Frequency: Annually

Date of Last EDR Contact: 12/21/98
Date of Next Scheduled EDR Contact: 03/22/99

ORANGE COUNTY:

List of Industrial Site Cleanups

Source: Health Care Agency
Telephone: 714-834-3446
Petroleum and non-petroleum spills.

Date of Government Version: 10/14/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/14/98
Date of Next Scheduled EDR Contact: 03/15/99

LUST: List of Underground Storage Tank Cleanups

Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 01/04/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/14/98
Date of Next Scheduled EDR Contact: 03/15/99

UST: List of Underground Storage Tank Facilities

Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 12/30/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/14/98
Date of Next Scheduled EDR Contact: 03/15/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PLACER COUNTY:

MS: Master List of Facilities

Source: Placer County Health and Human Services
Telephone: 530-889-7335
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 10/21/98
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/28/98
Date of Next Scheduled EDR Contact: 03/29/99

RIVERSIDE COUNTY:

LUST: Listing of Underground Tank Cleanup Sites

Source: Department of Public Health
Telephone: 909-358-5055
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/07/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/25/99
Date of Next Scheduled EDR Contact: 04/26/99

UST: Tank List

Source: Health Services Agency
Telephone: 909-358-5055

Date of Government Version: 10/05/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/25/99
Date of Next Scheduled EDR Contact: 04/26/99

SACRAMENTO COUNTY:

Toxisite List

Source: Sacramento County Environmental Management
Telephone: 916-875-8450

Date of Government Version: 12/01/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/15/98-
Date of Next Scheduled EDR Contact: 05/10/99

ML: Regulatory Compliance Master List

Source: Sacramento County Environmental Management
Telephone: 916-875-8450

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 01/06/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/26/99
Date of Next Scheduled EDR Contact: 05/10/99

SAN BERNARDINO COUNTY:

DEHS Permit System Print-Out By Location

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041

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: 10/01/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/14/98
Date of Next Scheduled EDR Contact: 03/15/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SAN DIEGO COUNTY:

SWF/LF: Solid Waste Facilities

Source: Department of Health Services
Telephone: 619-338-2209
San Diego County Solid Waste Facilities.

Date of Government Version: 07/01/98
Database Release Frequency: Annually

Date of Last EDR Contact: 03/05/99
Date of Next Scheduled EDR Contact: 05/31/99

HMMD: Hazardous Materials Management Division Database

Source: Hazardous Materials Management Division
Telephone: 619-338-2268

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: 07/20/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/04/99
Date of Next Scheduled EDR Contact: 04/12/99

SAN FRANCISCO COUNTY:

LUST: Local Oversight Facilities

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920

Date of Government Version: 01/05/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/08/99
Date of Next Scheduled EDR Contact: 04/19/99

Underground Storage Tank Information

Source: Department of Public Health
Telephone: 415-252-3920

Date of Government Version: 11/01/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/17/99
Date of Next Scheduled EDR Contact: 05/17/99

SAN MATEO COUNTY:

Business Inventory

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/01/98
Database Release Frequency: Annually

Date of Last EDR Contact: 02/16/99
Date of Next Scheduled EDR Contact: 04/19/99

LUST: Fuel Leak List

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921

Date of Government Version: 10/02/98
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/08/99
Date of Next Scheduled EDR Contact: 05/03/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SANTA CLARA COUNTY:

LUST: Fuel Leak Site Activity Report

Source: Santa Clara Valley Water District
Telephone: 408-927-0710

Date of Government Version: 09/01/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/08/99
Date of Next Scheduled EDR Contact: 04/05/99

SOLANO COUNTY:

LUST: Leaking Underground Storage Tanks

Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 12/02/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/25/99
Date of Next Scheduled EDR Contact: 06/21/99

UST: Underground Storage Tanks

Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 07/15/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/25/99
Date of Next Scheduled EDR Contact: 06/21/99

SONOMA COUNTY:

LUST Sites

Source: Department of Health Services
Telephone: 707-525-6565

Date of Government Version: 10/26/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/08/99
Date of Next Scheduled EDR Contact: 05/03/99

SUTTER COUNTY:

UST: Underground Storage Tanks

Source: Sutter County Department of Agriculture
Telephone: 530-741-7504

Date of Government Version: 08/01/98
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/11/99
Date of Next Scheduled EDR Contact: 04/12/99

VENTURA COUNTY:

BWT: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813

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: 12/28/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/21/98
Date of Next Scheduled EDR Contact: 03/22/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST: Listing of Underground Tank Cleanup Sites

Source: Environmental Health Division

Telephone: 805-654-2813

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 12/30/98

Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/21/98

Date of Next Scheduled EDR Contact: 03/22/99

UST: Underground Tank Closed Sites List

Source: Environmental Health Division

Telephone: 805-654-2813

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 12/29/98

Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/21/98

Date of Next Scheduled EDR Contact: 03/22/99

SWF/LF: Inventory of Illegal Abandoned and Inactive Sites

Source: Environmental Health Division

Telephone: 805-654-2813

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 06/01/97

Database Release Frequency: Annually

Date of Last EDR Contact: 03/02/99

Date of Next Scheduled EDR Contact: 05/31/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

California Regional Water Quality Control Board (RWQCB) LUST Records

LUST REG 1: Active Toxic Site Investigation

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-576-2220

Date of Government Version: 10/14/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/02/99
Date of Next Scheduled EDR Contact: 03/01/99

LUST REG 2: Fuel Leak List

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

Date of Government Version: 10/28/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/28/99
Date of Next Scheduled EDR Contact: 04/19/99

LUST REG 3: LUSTIS Database

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

Date of Government Version: 11/01/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/23/99
Date of Next Scheduled EDR Contact: 05/24/99

LUST REG 4: Underground Storage Tank Leak List

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-266-7544

Date of Government Version: 12/01/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/02/99
Date of Next Scheduled EDR Contact: 05/31/99

LUST REG 5: Leaking Underground Storage Tank Database

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-255-3125

Date of Government Version: 07/22/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/11/99
Date of Next Scheduled EDR Contact: 04/12/99

LUST REG 6L: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 916-542-5424

Date of Government Version: 07/14/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/15/99
Date of Next Scheduled EDR Contact: 04/12/99

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-346-7491

Date of Government Version: 09/16/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/17/98
Date of Next Scheduled EDR Contact: 03/15/99

LUST REG 7: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-346-7491

Date of Government Version: 11/01/98
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/02/99
Date of Next Scheduled EDR Contact: 05/31/99

LUST REG 8: (LUSTIS) Leaking Underground Storage Tanks

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4498

Date of Government Version: 10/22/98
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/13/99
Date of Next Scheduled EDR Contact: 04/12/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 9: Leaking Underground Storage Tank Report

Source: California Regional Water Quality Control Board San Diego Region (9)

Telephone: 619-467-2952

Date of Government Version: 06/25/98

Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/29/99

Date of Next Scheduled EDR Contact: 04/26/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

California Regional Water Quality Control Board (RWQCB) SLIC Records

SLIC REG 1: Active Toxic Site Investigations

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220

Date of Government Version: 10/14/98
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/02/99
Date of Next Scheduled EDR Contact: 03/01/99

SLIC REG 2: North and South Bay Slc Report

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 10/26/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/28/99
Date of Next Scheduled EDR Contact: 04/19/99

SLIC REG 3: SLIC Data

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 11/01/98
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/23/99
Date of Next Scheduled EDR Contact: 05/24/99

SLIC REG 4: SLIC Sites

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-266-7544

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 10/01/98
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/11/99
Date of Next Scheduled EDR Contact: 04/05/99

SLIC REG 5: SLIC List

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-855-3075

Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 10/01/98
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/01/99
Date of Next Scheduled EDR Contact: 04/12/99

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583

Date of Government Version: 12/01/98
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/11/99
Date of Next Scheduled EDR Contact: 04/12/99

SLIC REG 8: SLIC List

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-3298

Date of Government Version: 10/31/97
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/15/99
Date of Next Scheduled EDR Contact: 04/12/99

SLIC REG 9: WDS NURD List

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 619-467-2980

Date of Government Version: 11/21/96
Database Release Frequency: Annually

Date of Last EDR Contact: 12/11/98
Date of Next Scheduled EDR Contact: 03/08/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Historical and 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.

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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DELISTED NPL: NPL Deletions

Source: EPA

Telephone: 703-603-8769

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: 01/19/99

Date Made Active at EDR: 02/19/99

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/08/99

Elapsed ASTM days: 11

Date of Last EDR Contact: 02/08/99

NFRAP: No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 11/10/98

Date Made Active at EDR: 01/29/99

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/29/98

Elapsed ASTM days: 31

Date of Last EDR Contact: 03/03/99

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

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: 202-260-2805

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SWDIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Area Radon Information: 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: Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

Oil/Gas Pipelines/Electrical Transmission Lines: 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 and electrical transmission lines.

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.

USGS Water Wells: In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. 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 more than 900,000 wells, springs, and other sources of groundwater.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1996 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 March 1997 from the U.S. Fish and Wildlife Service.

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Water Dams: National Inventory of Dams
Source: Federal Emergency Management Agency
Telephone: 202-646-2801
National computer database of more than 74,000 dams maintained by the Federal Emergency Management Agency.

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.

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.

California Oil and Gas Well Locations for District 2 and 6
Source: Department of Conservation
Telephone: 916-323-1779

**REPORT OF SOIL REMOVAL
WILLOW SPRINGS RESIDENTIAL PROJECT
AERO CAMINO AT UPRR TRACKS
GOLETA, CALIFORNIA**

August 12, 2004

prepared for

The Towbes Group

prepared by

Earth Systems Pacific
4378 Santa Fe Road
San Luis Obispo, California 93401

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TABLE OF CONTENTS

	<i>Page</i>
SITE DESCRIPTION AND PROJECT BACKGROUND.....	1
CONFIRMATION SAMPLING.....	2
RESULTS OF CONFIRMATION SAMPLING	3
PROFILING.....	6
SOIL REMOVAL AND DISPOSAL.....	6
SUMMARY AND CONCLUSIONS	7
LIMITATION	7

Figures

Vicinity Map
Sample Location Map
Photographs

Appendices

Appendix A Confirmation Sample Laboratory Reports/Chain-of-Custody Documents
Appendix B Profile Sample Laboratory Reports/Chain-of-Custody Documents
Appendix C Non-Hazardous Waste Transportation Manifests/Weight Tickets



NOTE: THIS REPORT SUPERCEDES OUR REPORT OF THE SAME TITLE DATED JULY 22, 2004

August 12, 2004

FILE NO.: SL-13096-EA

Mr. Courtney Seepie
The Towbes Group, Inc.
Post Office Box 20130
Santa Barbara, California 93120-0130

**PROJECT: WILLOW SPRINGS RESIDENTIAL PROJECT
AERO CAMINO AT UPRR TRACKS
GOLETA, CALIFORNIA**

SUBJECT: Removal of Hydrocarbon-Affected Soil

Dear Mr. Seepie:

This report presents the results of excavation work conducted at the above-referenced property. The purpose of work was to excavate and remove approximately 130 cubic yards of hydrocarbon-affected soil that was mistakenly brought to the site from a construction project on the University of California at Santa Barbara (UCSB) campus.

The work performed has consisted of:

- Profiling the affected material in accordance with disposal facility requirements
- Excavating approximately 400 cubic yards (565 tons) of soil from a stockpile in the northwest corner of the property
- Transporting the material to a licensed disposal facility
- Collecting and analyzing 31 soil samples from the excavated areas to demonstrate adequate removal, and
- Preparation of this report.

Included with this report are a vicinity map, a sample location map, laboratory reports/chain-of-custody documents and manifests/weight tickets for contaminated soil disposal.

SITE DESCRIPTION AND PROJECT BACKGROUND

The subject property is a roughly rectangular parcel bounded by Hollister Avenue, Los Carneros Road, Aero Camino and the Union Pacific Railroad (UPRR) tracks in the city of Goleta, California. Surface elevations range from 20 to 40 feet above sea level, with a gentle slope to the



south. The area of concern to this report is located at the northern edge of the property, adjacent to the UPRR tracks (see Vicinity Map).

The property is planned for development as a residential subdivision. The prior use of the site was reportedly agricultural, although the parcel has apparently lain fallow for an extended period.

The Willow Springs site had been receiving import soil from a construction project on the UCSB campus. On June 10, 2004, during excavation for a basement, hydrocarbon-contaminated soil was encountered and accidentally loaded onto several trucks bound for the Willow Springs site. The contaminant was a diesel fuel or fuel oil related to a former underground storage tank associated with a Marine Corps BAS that occupied the UCSB campus in the 1940s.

According to site personnel, six truckloads of soil (approximately 130 cubic yards) were brought to the Willow Springs site and spread over the top of an existing stockpile at the north end of the property. After recognizing the presence of the material, soil import activities were halted until the material could be removed. The Towbes Group was notified of the situation, and retained GeoSyntec Consultants of Santa Barbara, California to periodically observe removal of the contaminated soil.

On June 15 and 16, the upper 6 to 12 inches of the stockpile were scraped and placed into a pile at its western end. Hydrocarbon-affected material had been pushed over the south edge of the stockpile, and a backhoe was used to rake soil up the slope where it could be added to the pile. Photographs of the scraping operation are attached with this report.

CONFIRMATION SAMPLING

After scraping the stockpile and conferring with GeoSyntec personnel, 20 confirmation samples (designated C-1 through C-20) were collected from the top and sides of the stockpile to demonstrate that the contaminated material had been adequately removed. The samples were collected in a grid pattern, with 15 samples taken from the top of the stockpile and five from the southern slope of the pile. Samples were collected from a depth of approximately three inches below the surface of the stockpile, placed into laboratory-clean jars, sealed with a Teflon-lined lid, labeled, and placed on ice for transport to the testing laboratory. A Sample Location Map is attached with this report.

Prior testing at the UCSB site had confirmed that the hydrocarbon product in the soil was a diesel fuel/heating oil type product; consequently, analysis for total extractable petroleum hydrocarbons



(TEPH) was conducted to evaluate the presence of contaminated soil at the site. Each sample was analyzed by EPA Test Method 8015m at a State-certified analytical laboratory.

RESULTS OF CONFIRMATION SAMPLING

The results of the June 16 confirmation sampling are summarized in Table 1.

TABLE 1
ANALYTICAL RESULTS-CONFIRMATION SAMPLES
JUNE 16, 2004

Sample ID	TEPH (mg/kg)	Sample ID	TEPH (mg/kg)
C-1	40	C-11	84
C-2	944	C-12	ND (<25)
C-3	ND (<25)	C-13	31
C-4	ND (<25)	C-14	39
C-5	ND (<25)	C-15	48
C-6	209	C-16	120
C-7	630	C-17	71
C-8	ND (<25)	C-18	63
C-9	164	C-19	55
C-10	ND (<25)	C-20	ND (<25)

A 100 milligram per kilogram (mg/kg) cleanup level was used to evaluate TEPH concentrations in the samples. This threshold was used in order to be consistent with Santa Barbara County criteria for cleanup of fuel release sites. TEPH was detected above 100 mg/kg in five of the 20 confirmation samples. Three of the samples were located in the southeast corner of the top of the stockpile; the two remaining samples were located in the central part of the southern slope of the pile. After consulting with personnel from GeoSyntec and Soltek Pacific, it was decided to conduct additional excavation in these areas at the time the soil was removed from the site.

Additional excavation was conducted on June 30, 2004. An additional 6 to 12 inches of soil was removed from the areas around samples C-2, C-6, C-7, C-9, and C-16, and five confirmation samples were collected from these areas. These samples were designated S-21 through S-25. In



addition to re-sampling these five areas, five samples were collected on July 1, from beneath the area where the contaminated soil had been stockpiled. These samples were designated S-26 through S-30. Sample locations are shown on the Sample Location Map attached with this report.

Per the request of GeoSyntec personnel, samples collected on June 30 and July 1 were analyzed for benzene, toluene, ethyl benzene, and xylenes by EPA Test Method 8021, in addition to TEPH analysis.

Results of the June 30 and July 1 sampling are summarized in Table 2.

TABLE 2
ANALYTICAL RESULTS-CONFIRMATION SAMPLES
JUNE 30/JULY 1, 2004

Sample ID	Re-sample of 6/16 Sample No.	TEPH (mg/kg)	B/T/E/X (mg/kg)
S-21	C-9	ND (<25)	ND(<0.1/<0.6/<0.1/<0.1)
S-22	C-16	217	ND(<0.1/<0.6/<0.1/<0.1)
S-23	C-7	ND (<25)	ND(<0.1/<0.6/<0.1/<0.1)
S-24	C-2	ND (<25)	ND(<0.1/<0.6/<0.1/<0.1)
S-25	C-6	ND (<25)	ND(<0.1/<0.6/<0.1/<0.1)
S-26	--	ND (<25)	ND(<0.1/<0.6/<0.1/<0.1)
S-27	--	49	ND(<0.1/<0.6/<0.1/<0.1)
S-28	--	ND (<25)	ND(<0.1/<0.6/<0.1/<0.1)
S-29	--	ND (<25)	ND(<0.1/<0.6/<0.1/<0.1)
S-30	--	ND (<25)	ND(<0.1/<0.6/<0.1/<0.1)

One of the June 30 samples (S-22) still contained TEPH concentrations above the 100 mg/kg action level. After discussions with GeoSyntec personnel, the sample was analyzed for polynuclear aromatic hydrocarbons (PAHs) by EPA Test Method 8270-SIM, to evaluate whether it might be practical to leave the small amount of material in place, considering the relatively low TEPH concentration of 217 mg/kg. The results of PAH analysis are summarized in Table 3.



TABLE 3
ANALYTICAL RESULTS-SAMPLE S-22
POLYNUCLEAR AROMATIC HYDROCARBONS

Compound	Result (mg/kg)	Preliminary Remediation Goal* (mg/kg)
Acenaphthene	<0.02	3,700
Acenaphthylene	<0.02	--
Anthracene	<0.02	22,000
Benz(a)anthracene	<0.02	0.62
Benzo(b)fluoranthene	0.045	0.62
Benzo(k)fluoranthene	<0.02	6.2
Benzo(a)pyrene	<0.02	0.062
Benzo(g,h,i)perylene	<0.02	--
Chrysene	0.022	62
Dibenz(a,h)anthracene	<0.02	0.062
Fluoranthene	<0.02	2,300
Fluorene	<0.02	2,700
Indeno(1,2,3-cd)pyrene	<0.02	0.62
Naphthalene	<0.02	56
Phenanthrene	<0.02	--
Pyrene	0.027	2,300

* USEPA Region 9 Preliminary Remediation Goal, residential setting, November 2002

PAH concentrations in S-22 were below USEPA remediation goals; however, it was ultimately decided that soil in the area around S-22 should not be left in place. This area was further excavated and re-sampled on July 13, 2004 with a confirmation sample designated C-31. TEPH and BTEX were not detected in C-31, indicating that the hydrocarbon-affected soil had been adequately removed from this area.

Laboratory reports and chain-of-custody documents for the confirmation samples are attached as Appendix A.



PROFILING

After researching available disposal sites in the area, the Central Coast Remedial Resources Inc. (CCRRI) disposal facility at the Santa Maria Sanitary Landfill (SMSL) was selected for off-site disposal of the material. In order to determine whether the material was suitable for acceptance at the SMSL, a profile sample of representative material was collected for analysis. Per SMSL profiling requirements, the sample was analyzed for the following classes of compounds, by the test methods indicated.

<u>Compound</u>	<u>Test Method</u>
Total petroleum hydrocarbons as crude oil (TPHo)	GC/MS
Soluble TPHo	Cal WET-DI
Total petroleum hydrocarbons as diesel (TPHo)	GC/MS
Soluble TPHd	Cal WET-DI
Total petroleum hydrocarbons as gasoline (TPHg)	GC/MS
Soluble TPHg	Cal WET-DI
MTBE and fuel oxygenates	EPA 8260
Volatile organic compounds (VOCs)	EPA 8260
Organochlorine pesticides/PCBs	EPA 8081/8082
CAM Metals	EPA 6010/7471
Polynuclear aromatic hydrocarbons (PAHs)	EPA 8270 (SIM)
Reactivity, corrosivity, ignitability (RCI)	EPA 9045/1010

Based on the profile sample analytical results, the material was determined to be a non-hazardous waste per State and Federal criteria, and acceptable for disposal at the SMSL. Laboratory reports and chain-of-custody documents for the profile analysis and the SMSL acceptance letter are attached as Appendix B.

SOIL REMOVAL AND DISPOSAL

Excavation of the affected soil was conducted on June 30 and July 1, 2004. Excavation was accomplished using standard earthmoving equipment, consisting of an excavator and a loader; the impacted soil was stockpiled and loaded into trucks for transport to the SMSL.

The soil was transported under non-hazardous waste manifest to the Santa Maria Sanitary Landfill in Santa Maria, California. Twenty-two truckloads of material were removed from the



site. According to weight tickets, 564.71 tons (approximately 400 cubic yards) of soil were removed from the site. This volume is significantly higher than the 130 cubic yards originally estimated to have been brought to the site, and is the unavoidable result of mixing with unaffected soil that occurred while trying to segregate the affected material. Copies of the non-hazardous waste travel manifests and weight tickets are included with this report as Appendix C.

SUMMARY AND CONCLUSIONS

Approximately 130 cubic yards of hydrocarbon-affected soil was inadvertently brought to the site and added to an existing soil stockpile. The soil originated from an excavation at UCSB that had encountered hydrocarbon impacted soil.

Excavation of the hydrocarbon-affected soil was conducted on June 30 to July 1, 2004. Approximately 400 cubic yards (565 tons) of soil were removed from the stockpile and disposed of at the SMSL facility in Santa Maria. Laboratory analysis of 31 confirmation samples indicates that TEPH concentrations in the remaining soil at the site are below the County action level of 100 mg/kg. Benzene, toluene, ethyl benzene, and xylenes were not detected in any of the samples analyzed for these compounds.

Based on the results of laboratory analysis, our observations, and review of County guidance, it is our opinion that the remedial work conducted in June and July 2004 has adequately removed the hydrocarbon-affected soil from the site.

LIMITATION

This report has been prepared for the use of The Towbes Group, regarding the Willow Springs project in Goleta, California. The conclusions and recommendations in this report are based on field observations and the results of laboratory analysis of soil samples collected from the site. This report does not account for variations that may exist between or beyond sampling points. Use of or reliance on the information and opinions contained in this report by other parties without first consulting this office is at those parties' own risk.

The services performed by Earth Systems Pacific have been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently



Willow Springs Residential Project

August 12, 2004

practicing under similar conditions in this area of California. No other warranty is expressed or implied.

If you have any questions or comments regarding this report, please contact this office at your convenience.

Sincerely,

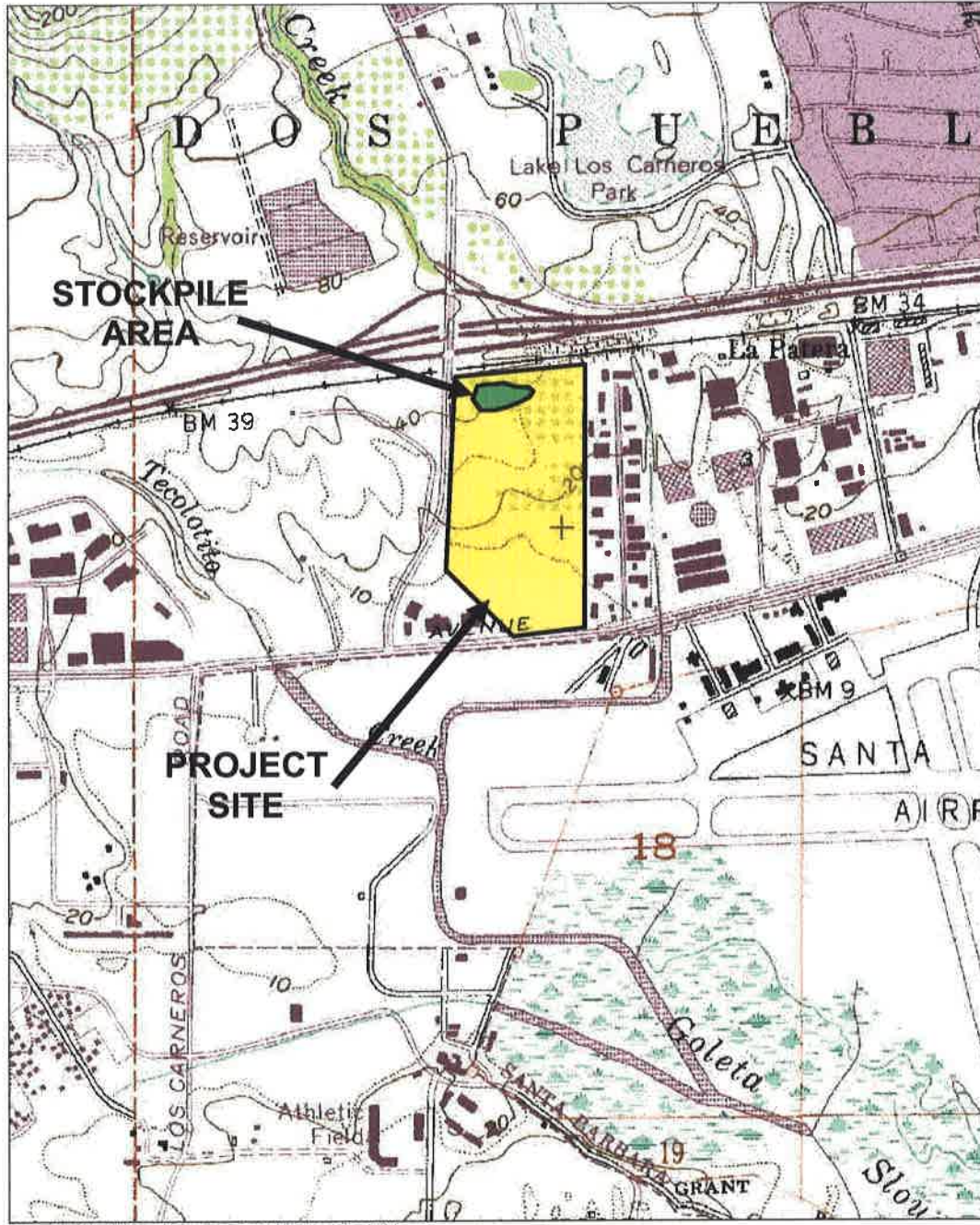
Earth Systems Pacific

Timothy Conroy, C.E.G. 1698
Senior Geologist

Doc. No.: 0408-087.RPTjc

FIGURES

VICINITY MAP
Willow Springs Residential Project
Los Carneros Road
Goleta, California



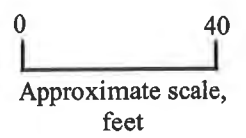
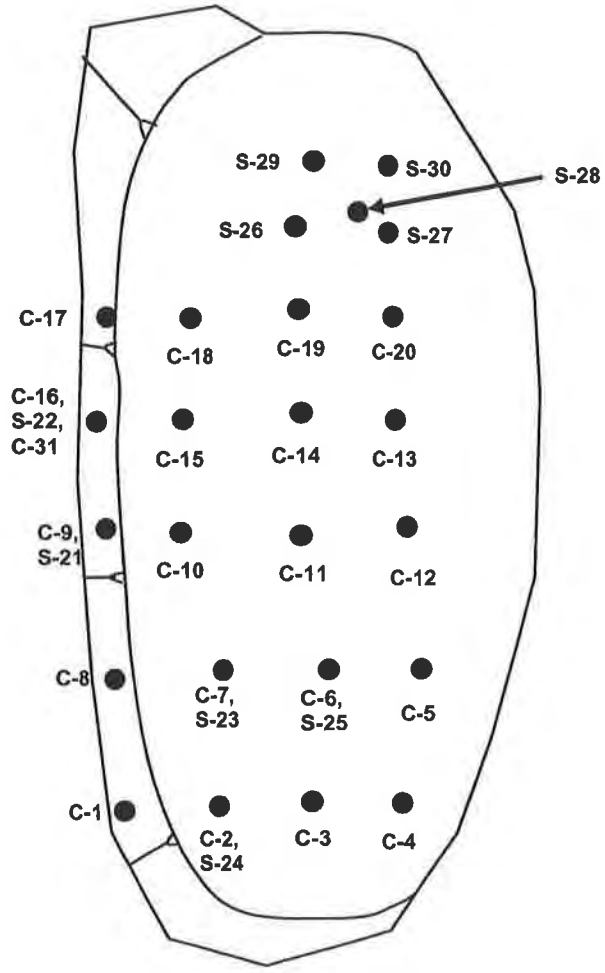
Earth Systems Pacific

Project No. SL-13096-EA

August 2004

SAMPLE LOCATION MAP

Willow Springs Residential Project
Los Carneros Road
Goleta, California



(This map is not a survey of the property)

NE Property Corner

COMMERCIAL/INDUSTRIAL LOTS

LEGEND

● C-1 Confirmation sample location



Earth Systems Pacific
Project No. SL-13096-EA

August 2004

PHOTOGRAPHS



Looking east across stockpile after scraping to remove contaminated material.



Looking south at berm along south edge of stockpile, prior to scraping.



PHOTOGRAPHS



(above and below)

Backhoe removing contaminated material from slope face on south side of stockpile.



PHOTOGRAPHS



Backhoe removing contaminated material from slope face on south side of stockpile.



Initial soil load-out to Santa Maria Landfill, June 30, 2004



PHOTOGRAPHS



Removing contaminated material from localized areas after June 30 load-out



Final soil load-out to Santa Maria Landfill, July 1, 2004



PHOTOGRAPHS



Stockpile area cleaned up after July 1, 2004 load-out



Additional excavation on south side of stockpile prior to re-sample of S-22



APPENDIX A

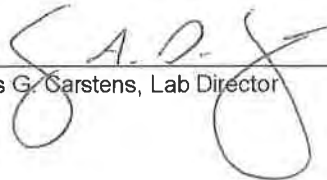
**Confirmation Sample Laboratory Reports/
Chain-of-Custody Documents**



Client: Earth Systems Pacific	SAMPLE ID: 04-762-1
4378 Santa Fe Rd	Date Received: 6/17/04
San Luis Obispo, CA 93401	Date Sampled: 6/17/04
Attn: Tim Conroy	Date Extracted: 6/18/04
Project: UCSB Psych Bldg., SL-13096-EA	Date Analyzed: 6/18/04
Client ID: C-1	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-762-1	C-1	TPH C ₁₀ -C ₂₂	ND	mg/Kg	15
		TPH C ₂₃ -C ₃₂	40	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

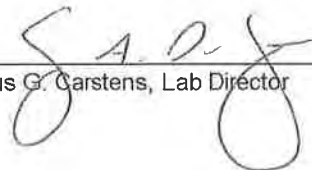
For 
Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-762-2
4378 Santa Fe Rd	Date Received: 6/17/04
San Luis Obispo, CA 93401	Date Sampled: 6/17/04
Attn: Tim Conroy	Date Extracted: 6/18/04
Project: UCSB Psych Bldg., SL-13096-EA	Date Analyzed: 6/18/04
Client ID: C-2	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-762-2	C-2	TPH C ₁₀ -C ₂₂	210	mg/Kg	15
		TPH C ₂₃ -C ₃₂	734	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL


Julius G. Carstens, Lab Director

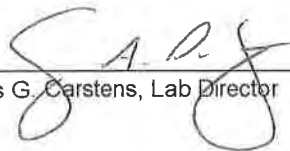


O I L F I E L D E N V I R O N M E N T A L A N D C O M P L I A N C E , I N C .

Client: Earth Systems Pacific	SAMPLE ID: 04-762-3
4378 Santa Fe Rd	Date Received: 6/17/04
San Luis Obispo, CA 93401	Date Sampled: 6/17/04
Attn: Tim Conroy	Date Extracted: 6/18/04
Project: UCSB Psych Bldg., SL-13096-EA	Date Analyzed: 6/18/04
Client ID: C-3	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-762-3	C-3	TPH C ₁₀ -C ₂₂	ND	mg/Kg	15
		TPH C ₂₃ -C ₃₂	ND	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

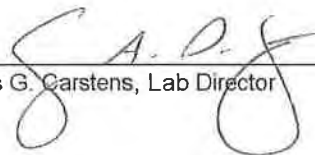
For 
Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-762-4
4378 Santa Fe Rd	Date Received: 6/17/04
San Luis Obispo, CA 93401	Date Sampled: 6/17/04
Attn: Tim Conroy	Date Extracted: 6/18/04
Project: UCSB Psych Bldg., SL-13096-EA	Date Analyzed: 6/19/04
Client ID: C-4	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-762-4	C-4	TPH C ₁₀ -C ₂₂	ND	mg/Kg	15
		TPH C ₂₃ -C ₃₂	ND	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

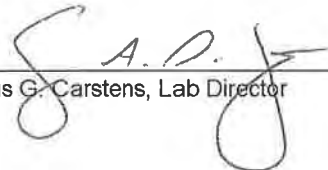
For 
Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-762-5
4378 Santa Fe Rd	Date Received: 6/17/04
San Luis Obispo, CA 93401	Date Sampled: 6/17/04
Attn: Tim Conroy	Date Extracted: 6/18/04
Project: UCSB Psych Bldg., SL-13096-EA	Date Analyzed: 6/19/04
Client ID: C-5	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-762-5	C-5	TPH C ₁₀ -C ₂₂	ND	mg/Kg	15
		TPH C ₂₃ -C ₃₂	ND	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

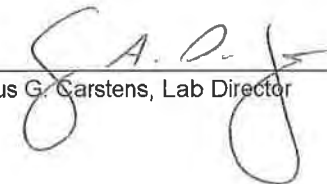
FW 
Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-762-6
4378 Santa Fe Rd	Date Received: 6/17/04
San Luis Obispo, CA 93401	Date Sampled: 6/17/04
Attn: Tim Conroy	Date Extracted: 6/18/04
Project: UCSB Psych Bldg., SL-13096-EA	Date Analyzed: 6/18/04
Client ID: C-6	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-762-6	C-6	TPH C ₁₀ -C ₂₂	19	mg/Kg	15
		TPH C ₂₃ -C ₃₂	190	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

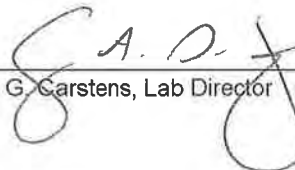
For 
Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-762-7
4378 Santa Fe Rd	Date Received: 6/17/04
San Luis Obispo, CA 93401	Date Sampled: 6/17/04
Attn: Tim Conroy	Date Extracted: 6/18/04
Project: UCSB Psych Bldg., SL-13096-EA	Date Analyzed: 6/19/04
Client ID: C-7	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-762-7	C-7	TPH C ₁₀ -C ₂₂	130	mg/Kg	15
		TPH C ₂₃ -C ₃₂	500	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

For 
Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-762-8
4378 Santa Fe Rd	Date Received: 6/17/04
San Luis Obispo, CA 93401	Date Sampled: 6/17/04
Attn: Tim Conroy	Date Extracted: 6/18/04
Project: UCSB Psych Bldg., SL-13096-EA	Date Analyzed: 6/19/04
Client ID: C-8	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-762-8	C-8	TPH C ₁₀ -C ₂₂	ND	mg/Kg	15
		TPH C ₂₃ -C ₃₂	ND	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
 Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
 PQL = Practical Quantitation Limit
 Results listed as ND would have been reported if present at or above the listed PQL

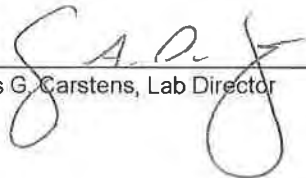
J.G.C.
 For Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-762-9
4378 Santa Fe Rd	Date Received: 6/17/04
San Luis Obispo, CA 93401	Date Sampled: 6/17/04
Attn: Tim Conroy	Date Extracted: 6/18/04
Project: UCSB Psych Bldg., SL-13096-EA	Date Analyzed: 6/19/04
Client ID: C-9	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-762-9	C-9	TPH C ₁₀ -C ₂₂	34	mg/Kg	15
		TPH C ₂₃ -C ₃₂	130	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

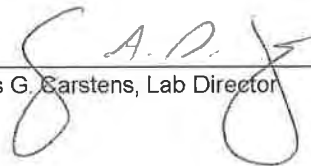
For 
Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-762-10
4378 Santa Fe Rd	Date Received: 6/17/04
San Luis Obispo, CA 93401	Date Sampled: 6/17/04
Attn: Tim Conroy	Date Extracted: 6/18/04
Project: UCSB Psych Bldg., SL-13096-EA	Date Analyzed: 6/19/04
Client ID: C-10	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-762-10	C-10	TPH C ₁₀ -C ₂₂	ND	mg/Kg	15
		TPH C ₂₃ -C ₃₂	ND	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
 Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
 PQL = Practical Quantitation Limit
 Results listed as ND would have been reported if present at or above the listed PQL

For  Julius G. Carstens, Lab Director

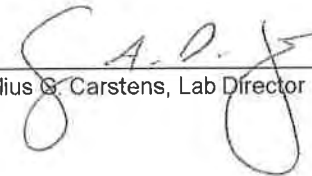


O I L F I E L D E N V I R O N M E N T A L A N D C O M P L I A N C E , I N C .

Client: Earth Systems Pacific	SAMPLE ID: 04-762-11
4378 Santa Fe Rd	Date Received: 6/17/04
San Luis Obispo, CA 93401	Date Sampled: 6/17/04
Attn: Tim Conroy	Date Extracted: 6/18/04
Project: UCSB Psych Bldg., SL-13096-EA	Date Analyzed: 6/19/04
Client ID: C-11	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-762-11	C-11	TPH C ₁₀ -C ₂₂	17	mg/Kg	15
		TPH C ₂₃ -C ₃₂	74	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

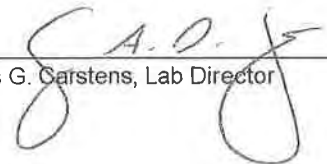

Julius S. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-762-12
4378 Santa Fe Rd	Date Received: 6/17/04
San Luis Obispo, CA 93401	Date Sampled: 6/17/04
Attn: Tim Conroy	Date Extracted: 6/18/04
Project: UCSB Psych Bldg., SL-13096-EA	Date Analyzed: 6/19/04
Client ID: C-12	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-762-12	C-12	TPH C ₁₀ -C ₂₂	ND	mg/Kg	15
		TPH C ₂₃ -C ₃₂	ND	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

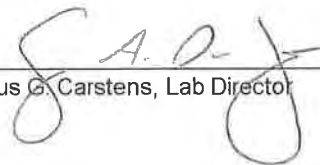
For  Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-762-13
4378 Santa Fe Rd	Date Received: 6/17/04
San Luis Obispo, CA 93401	Date Sampled: 6/17/04
Attn: Tim Conroy	Date Extracted: 6/18/04
Project: UCSB Psych Bldg., SL-13096-EA	Date Analyzed: 6/19/04
Client ID: C-13	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-762-13	C-13	TPH C ₁₀ -C ₂₂	31	mg/Kg	15
		TPH C ₂₃ -C ₃₂	ND	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

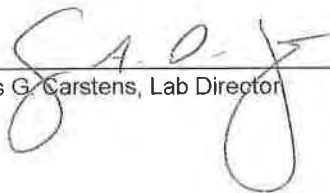
For  Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-762-14
4378 Santa Fe Rd	Date Received: 6/17/04
San Luis Obispo, CA 93401	Date Sampled: 6/17/04
Attn: Tim Conroy	Date Extracted: 6/18/04
Project: UCSB Psych Bldg., SL-13096-EA	Date Analyzed: 6/19/04
Client ID: C-14	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-762-14	C-14	TPH C ₁₀ -C ₂₂	ND	mg/Kg	15
		TPH C ₂₃ -C ₃₂	39	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

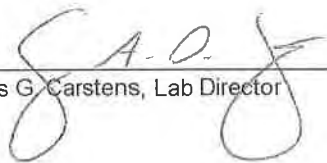
For 
Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-762-15
4378 Santa Fe Rd	Date Received: 6/17/04
San Luis Obispo, CA 93401	Date Sampled: 6/17/04
Attn: Tim Conroy	Date Extracted: 6/18/04
Project: UCSB Psych Bldg., SL-13096-EA	Date Analyzed: 6/19/04
Client ID: C-15	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-762-15	C-15	TPH C ₁₀ -C ₂₂	ND	mg/Kg	15
		TPH C ₂₃ -C ₃₂	48	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

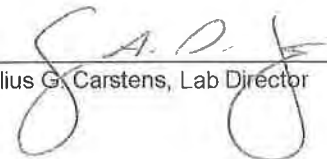
For 
Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-762-16
4378 Santa Fe Rd	Date Received: 6/17/04
San Luis Obispo, CA 93401	Date Sampled: 6/17/04
Attn: Tim Conroy	Date Extracted: 6/18/04
Project: UCSB Psych Bldg., SL-13096-EA	Date Analyzed: 6/19/04
Client ID: C-16	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-762-16	C-16	TPH C ₁₀ -C ₂₂	120	mg/Kg	15
		TPH C ₂₃ -C ₃₂	ND	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

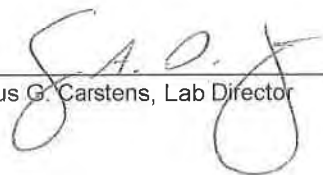
For 
Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-762-17
4378 Santa Fe Rd	Date Received: 6/17/04
San Luis Obispo, CA 93401	Date Sampled: 6/17/04
Attn: Tim Conroy	Date Extracted: 6/18/04
Project: UCSB Psych Bldg., SL-13096-EA	Date Analyzed: 6/19/04
Client ID: C-17	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-762-17	C-17	TPH C ₁₀ -C ₂₂	20	mg/Kg	15
		TPH C ₂₃ -C ₃₂	51	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
 Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
 PQL = Practical Quantitation Limit
 Results listed as ND would have been reported if present at or above the listed PQL

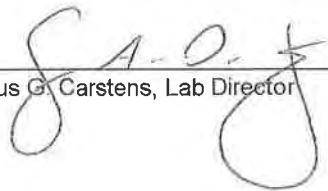

 For Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-762-18
4378 Santa Fe Rd	Date Received: 6/17/04
San Luis Obispo, CA 93401	Date Sampled: 6/17/04
Attn: Tim Conroy	Date Extracted: 6/18/04
Project: UCSB Psych Bldg., SL-13096-EA	Date Analyzed: 6/19/04
Client ID: C-18	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-762-18	C-18	TPH C ₁₀ -C ₂₂	25	mg/Kg	15
		TPH C ₂₃ -C ₃₂	38	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

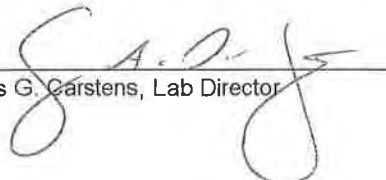
For 
Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-762-19
4378 Santa Fe Rd	Date Received: 6/17/04
San Luis Obispo, CA 93401	Date Sampled: 6/17/04
Attn: Tim Conroy	Date Extracted: 6/18/04
Project: UCSB Psych Bldg., SL-13096-EA	Date Analyzed: 6/19/04
Client ID: C-19	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-762-19	C-19	TPH C ₁₀ -C ₂₂	55	mg/Kg	15
		TPH C ₂₃ -C ₃₂	ND	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

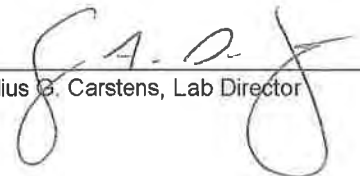
For 
Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-762-20
4378 Santa Fe Rd	Date Received: 6/17/04
San Luis Obispo, CA 93401	Date Sampled: 6/17/04
Attn: Tim Conroy	Date Extracted: 6/18/04
Project: UCSB Psych Bldg., SL-13096-EA	Date Analyzed: 6/19/04
Client ID: C-20	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-762-20	C-20	TPH C ₁₀ -C ₂₂	ND	mg/Kg	15
		TPH C ₂₃ -C ₃₂	ND	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

For 
Julius G. Carstens, Lab Director



Oilfield Environmental and Compliance

547 Suite C West Betteravia, Santa Maria, CA 93454

phone: (805) 922-4772 fax: (805) 925-3376

CHAIN OF CUSTODY

Company: Earth Systems Pacific Project Name: UCSB Psych Bldg., SL-13096-EA

Street Address: 4378 Santa Fe Rd, Site: _____

City: SLO State: CA Zip: 93401

Telephone: 544-3276 Fax: 544-1786

Report To: Tim Conway Sampler: Tim Conway

Comments: Towhee Project Stockpile,
Willow Springs

Lab Sample ID	Date/Time Sampled	Matrix	# of Cont.	Client Sample ID	Analyses Requested		Remarks
					TPHd		
04-762-1	6/17/04 1310	SOIL	1	C-1	X		Need results by noon 6/24/04
-2	|	|	|	C-2	X		
-3	|	|	|	C-3	X		
-4	|	|	|	C-4	X		
-5	|	|	|	C-5	X		
-6	|	|	|	C-6	X		
-7	|	|	|	C-7	X		
-8	|	|	|	C-8	X		
-9	|	|	|	C-9	X		
-10	1340	✓	✓	C-10	X		

Relinquished By: Tim Conway Date: 6-17-04 Time: 1640 Received By: [Signature] Date: 6-17-04 Time: 1640

Relinquished By: _____ Date: _____ Time: _____

Relinquished By: _____ Date: _____ Time: _____

Sample integrity upon receipt: Good Method of shipment: Hand delivery Comments: _____

Samples received cold n Samples received intact n

Custody seals n n



Oilfield Environmental and Compliance
 547 Suite C West Betteravia, Santa Maria, CA 93454
 phone: (805) 922-4772 fax: (805) 925-3376

CHAIN OF CUSTODY

Company: Earth Systems Pacific Project Name: UCSB Psych Bldg, SL-13096-EA
 Street Address: See pg 1 of chain State: _____ Zip: _____
 City: _____ Telephone: _____
 Report To: _____ Sampler: Tim Couray
 Comments: Towbes Project Stockpile, Willow Springs

Lab Sample ID	Date/Time Sampled	Matrix	# of Cont.	Turnaround Time:			Client Sample ID	Remarks
				<input type="checkbox"/> 10 Work Days	<input type="checkbox"/> 5 Work Days	<input type="checkbox"/> 3 Work Days		
04-762-11	6/17/04 1345	SOIL	1	<input type="checkbox"/> 3 Work Days	<input type="checkbox"/> 2-8 Hours	C-11	Need results by noon 6/20/04	
-12			1	<input type="checkbox"/> 3 Work Days	<input type="checkbox"/> 2-8 Hours	C-12		
-13			1	<input type="checkbox"/> 3 Work Days	<input type="checkbox"/> 2-8 Hours	C-13		
-14			1	<input type="checkbox"/> 3 Work Days	<input type="checkbox"/> 2-8 Hours	C-14		
-15			1	<input type="checkbox"/> 3 Work Days	<input type="checkbox"/> 2-8 Hours	C-15		
-16			1	<input type="checkbox"/> 3 Work Days	<input type="checkbox"/> 2-8 Hours	C-16		
-17			1	<input type="checkbox"/> 3 Work Days	<input type="checkbox"/> 2-8 Hours	C-17		
-18			1	<input type="checkbox"/> 3 Work Days	<input type="checkbox"/> 2-8 Hours	C-18		
-19			1	<input type="checkbox"/> 3 Work Days	<input type="checkbox"/> 2-8 Hours	C-19		
-20	1420		1	<input type="checkbox"/> 3 Work Days	<input type="checkbox"/> 2-8 Hours	C-20		

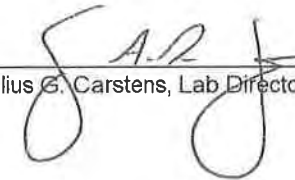
Relinquished By: T. Couray Date: 6/17/04 Time: 1345 Received By: Alexander Smith Date: 6/17/04 Time: 1640
 Relinquished By: _____ Date: _____ Time: _____ Received By: _____ Date: _____ Time: _____
 Relinquished By: _____ Date: _____ Time: _____ Received By: _____ Date: _____ Time: _____
 Sample integrity upon receipt: Good Method of shipment Hand delivery Comments
 Samples received cold (Y)/n Samples received intact (Y)/n
 Custody seals (Y)/n



Client: Earth Systems Pacific	SAMPLE ID: 04-831-1
4378 Santa Fe Rd	Date Received: 6/30/04
San Luis Obispo, CA 93401	Date Sampled: 6/30/04
Attn: Tim Conroy	Date Extracted: 6/30/04
Project: UCSB Psychology Bldg	Date Analyzed: 7/1/04
Client ID: S-21	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-831-1	S-21	TPH C ₁₀ -C ₂₂	ND	mg/Kg	15
		TPH C ₂₃ -C ₃₂	ND	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
 Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
 PQL = Practical Quantitation Limit
 Results listed as ND would have been reported if present at or above the listed PQL

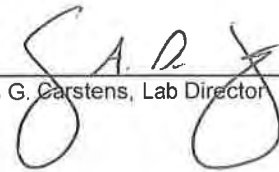
F&W 
 Julius G. Carstens, Lab Director



Client: Earth Systems Pacific 4378 Santa Fe Rd San Luis Obispo, CA 93401 Attn: Tim Conroy Project: UCSB Psychology Bldg Client ID: S-21 Matrix: Solid	SAMPLE ID: 04-831-1 Date Received: 6/30/04 Date Sampled: 6/30/04 Date Extracted: 6/30/04 Date Analyzed: 6/30/04 Lab Contact: J. Carstens
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Report Of Analytical Results				
Total Petroleum Hydrocarbons (TPH) Gasoline Range				
Constituents	Analysis Results	Reporting Units	Acceptance Criteria	PQL
Benzene	ND	mg/Kg		0.1
Toluene	ND	mg/Kg		0.6
Ethylbenzene	ND	mg/Kg		0.1
Total Xylenes	ND	mg/Kg		0.1
TPH C ₄ -C ₉	ND	mg/Kg		15
Surrogate % Recovery	92	%	70%-130%	

OEC Analytical is certified by CA Department of Health Services: Laboratory #2438
 Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
 Individual constituents by EPA Method 5030/8021
 PQL = Practical Quantitation Limit
 Results listed as ND would have been reported if present at or above the listed PQL.

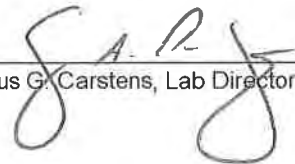
For 
 Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-831-2
4378 Santa Fe Rd	Date Received: 6/30/04
San Luis Obispo, CA 93401	Date Sampled: 6/30/04
Attn: Tim Conroy	Date Extracted: 6/30/04
Project: UCSB Psychology Bldg	Date Analyzed: 7/1/04
Client ID: S-22	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-831-2	S-22	TPH C ₁₀ -C ₂₂	17	mg/Kg	15
		TPH C ₂₃ -C ₃₂	200	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

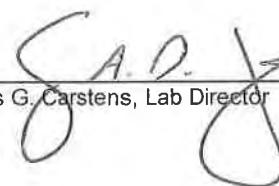

Julius G. Carstens, Lab Director



Client: Earth Systems Pacific 4378 Santa Fe Rd San Luis Obispo, CA 93401 Attn: Tim Conroy Project: UCSB Psychology Bldg Client ID: S-22 Matrix: Solid	SAMPLE ID: 04-831-2 Date Received: 6/30/04 Date Sampled: 6/30/04 Date Extracted: 6/30/04 Date Analyzed: 6/30/04 Lab Contact: J. Carstens
---	---

Report Of Analytical Results				
Total Petroleum Hydrocarbons (TPH) Gasoline Range				
Constituents	Analysis Results	Reporting Units	Acceptance Criteria	PQL
Benzene	ND	mg/Kg		0.1
Toluene	ND	mg/Kg		0.6
Ethylbenzene	ND	mg/Kg		0.1
Total Xylenes	ND	mg/Kg		0.1
TPH C ₄ -C ₉	ND	mg/Kg		15
Surrogate % Recovery	95	%	70%-130%	

OEC Analytical is certified by CA Department of Health Services: Laboratory #2438
 Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
 Individual constituents by EPA Method 5030/8021
 PQL = Practical Quantitation Limit
 Results listed as ND would have been reported if present at or above the listed PQL.

FCJ 
 Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-831-2
4378 Santa Fe Road	Date Received: 6/30/04
San Luis Obispo, CA 93401	Date Sampled: 6/30/02
Attn: Tim Conroy	Date Extracted: 7/2/04
Project: UCSB Psychology Bldg	Date Analyzed: 7/2/04
Client ID: S-22	
Matrix: Soil	Lab Contact: J. Carstens

Report Of Analytical Results Polynuclear Aromatic Hydrocarbons			
Constituents	Analysis Results	Reporting Units	PQL
Acenaphthene	ND	mg/Kg	0.02
Acenaphthylene	ND	mg/Kg	0.02
Anthracene	ND	mg/Kg	0.02
Benz (a) anthracene	ND	mg/Kg	0.02
Benzo (b) fluoranthene	0.045	mg/Kg	0.02
Benzo (k) fluoranthene	ND	mg/Kg	0.02
Benzo (a) pyrene	ND	mg/Kg	0.02
Benzo (g,h,i) perylene	ND	mg/Kg	0.02
Chrysene	0.022	mg/Kg	0.02
Dibenz (a,h) anthracene	ND	mg/Kg	0.02
Fluoranthene	ND	mg/Kg	0.02
Fluorene	ND	mg/Kg	0.02
Indeno (1,2,3-cd) pyrene	ND	mg/Kg	0.02
Naphthalene	ND	mg/Kg	0.02
Phenanthrene	ND	mg/Kg	0.02
Pyrene	0.027	mg/Kg	0.02
Surrogate	105	%	

OEC Analytical is certified by CA Department of Health Services: Laboratory #2438

Test Method: EPA 8270C (SIM)

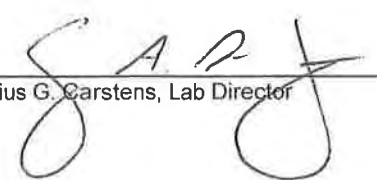
Prep Method: EPA 3550B

PQL = Practical Quantitation Limit

Results listed as ND would have been reported if present at or above the listed PQL.

Note: Analyzed in the Selected Ion Monitoring (SIM) mode

Raised PQL due to dilution

For 
 Julius G. Carstens, Lab Director



O I L F I E L D E N V I R O N M E N T A L A N D C O M P L I A N C E , I N C .

Client: Earth Systems Pacific	SAMPLE ID: 04-831-3
4378 Santa Fe Rd	Date Received: 6/30/04
San Luis Obispo, CA 93401	Date Sampled: 6/30/04
Attn: Tim Conroy	Date Extracted: 6/30/04
Project: UCSB Psychology Bldg	Date Analyzed: 7/1/04
Client ID: S-23	
Matrix: Solid	Lab Contact: J. Carstens

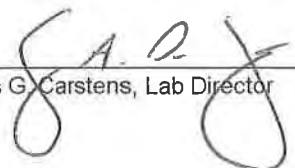
Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-831-3	S-23	TPH C ₁₀ -C ₂₂	ND	mg/Kg	15
		TPH C ₂₃ -C ₃₂	ND	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438

Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015

PQL = Practical Quantitation Limit

Results listed as ND would have been reported if present at or above the listed PQL

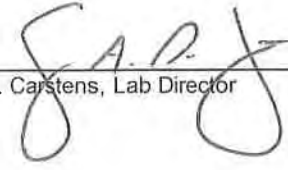

for Julius G. Carstens, Lab Director



Client: Earth Systems Pacific 4378 Santa Fe Rd San Luis Obispo, CA 93401 Attn: Tim Conroy Project: UCSB Psychology Bldg Client ID: S-23 Matrix: Solid	SAMPLE ID: 04-831-3 Date Received: 6/30/04 Date Sampled: 6/30/04 Date Extracted: 6/30/04 Date Analyzed: 6/30/04 Lab Contact: J. Carstens
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Report Of Analytical Results				
Total Petroleum Hydrocarbons (TPH) Gasoline Range				
Constituents	Analysis Results	Reporting Units	Acceptance Criteria	PQL
Benzene	ND	mg/Kg		0.1
Toluene	ND	mg/Kg		0.6
Ethylbenzene	ND	mg/Kg		0.1
Total Xylenes	ND	mg/Kg		0.1
TPH C ₄ -C ₉	ND	mg/Kg		15
Surrogate % Recovery	91	%	70%-130%	

OEC Analytical is certified by CA Department of Health Services: Laboratory #2438
 Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
 Individual constituents by EPA Method 5030/8021
 PQL = Practical Quantitation Limit
 Results listed as ND would have been reported if present at or above the listed PQL.

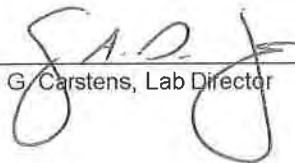
FC 
 Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-831-4
4378 Santa Fe Rd	Date Received: 6/30/04
San Luis Obispo, CA 93401	Date Sampled: 6/30/04
Attn: Tim Conroy	Date Extracted: 6/30/04
Project: UCSB Psychology Bldg	Date Analyzed: 7/1/04
Client ID: S-24	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-831-4	S-24	TPH C ₁₀ -C ₂₂	ND	mg/Kg	15
		TPH C ₂₃ -C ₃₂	ND	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

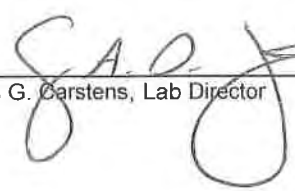

Julius G. Carstens, Lab Director



Client: Earth Systems Pacific 4378 Santa Fe Rd San Luis Obispo, CA 93401 Attn: Tim Conroy Project: UCSB Psychology Bldg Client ID: S-24 Matrix: Solid	SAMPLE ID: 04-831-4 Date Received: 6/30/04 Date Sampled: 6/30/04 Date Extracted: 6/30/04 Date Analyzed: 6/30/04 Lab Contact: J. Carstens
---	---

Report Of Analytical Results				
Total Petroleum Hydrocarbons (TPH) Gasoline Range				
Constituents	Analysis Results	Reporting Units	Acceptance Criteria	PQL
Benzene	ND	mg/Kg		0.1
Toluene	ND	mg/Kg		0.6
Ethylbenzene	ND	mg/Kg		0.1
Total Xylenes	ND	mg/Kg		0.1
TPH C ₄ -C ₉	ND	mg/Kg		15
Surrogate % Recovery	91	%	70%-130%	

OEC Analytical is certified by CA Department of Health Services: Laboratory #2438
 Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
 Individual constituents by EPA Method 5030/8021
 PQL = Practical Quantitation Limit
 Results listed as ND would have been reported if present at or above the listed PQL.

For 
 Julius G. Carstens, Lab Director



Client: Earth Systems Pacific 4378 Santa Fe Rd San Luis Obispo, CA 93401 Attn: Tim Conroy Project: UCSB Psychology Bldg Client ID: S-25 Matrix: Solid	SAMPLE ID: 04-831-5 Date Received: 6/30/04 Date Sampled: 6/30/04 Date Extracted: 6/30/04 Date Analyzed: 7/1/04 Lab Contact: J. Carstens
---	--

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-831-5	S-25	TPH C ₁₀ -C ₂₂	ND	mg/Kg	15
		TPH C ₂₃ -C ₃₂	ND	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

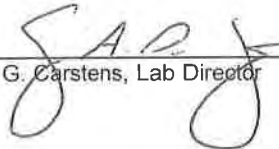
J. G. Carstens
For Julius G. Carstens, Lab Director



Client: Earth Systems Pacific 4378 Santa Fe Rd San Luis Obispo, CA 93401 Attn: Tim Conroy Project: UCSB Psychology Bldg Client ID: S-25 Matrix: Solid	SAMPLE ID: 04-831-5 Date Received: 6/30/04 Date Sampled: 6/30/04 Date Extracted: 6/30/04 Date Analyzed: 6/30/04 Lab Contact: J. Carstens
---	---

Report Of Analytical Results				
Total Petroleum Hydrocarbons (TPH) Gasoline Range				
Constituents	Analysis Results	Reporting Units	Acceptance Criteria	PQL
Benzene	ND	mg/Kg		0.1
Toluene	ND	mg/Kg		0.6
Ethylbenzene	ND	mg/Kg		0.1
Total Xylenes	ND	mg/Kg		0.1
TPH C ₄ -C ₉	ND	mg/Kg		15
Surrogate % Recovery	94	%	70%-130%	

OEC Analytical is certified by CA Department of Health Services: Laboratory #2438
 Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
 Individual constituents by EPA Method 5030/8021
 PQL = Practical Quantitation Limit
 Results listed as ND would have been reported if present at or above the listed PQL.

For 
 Julius G. Carstens, Lab Director

CHAIN OF CUSTODY

Project Name: UCSB Psychology Bldg
 Site: Goleta
 Comments

State: CA ZIP: 93401
 Fax: 544.1780
 Sampler: Mark Meeks

Lab Sample ID	Date/Time Sampled	Matrix	# of Cont.	Client Sample ID	Analyses Requested					Remarks
					PHD	BTEX	PNH(SIM)	24	AAA	
S-21	6:30-04 10:40	Soil	1	5-PT 04-831-1	X	X	X	X	X	
S-22	10:45	↑	1	-2	X	X	X	X	X	
S-23	10:55	↑	1	-3	X	X	X	X	X	
S-24	11:05	↑	1	-4	X	X	X	X	X	
S-25	11:15	↑	1	-5	X	X	X	X	X	

Relinquished By: Mark Meeks Date: 6-30-04 Time: 3:50 Received By: Matt Reyna Date: 6-30-04 Time: 3:50

Relinquished By: Date: Time: Received By: Date: Time:

Relinquished By: Date: Time: Received By: Date: Time:

Sample integrity upon receipt: Good Method of shipment: VA Earth Systems
 Samples received cold: 0/n Samples received intact: 0/n
 Custody seals: y/n



Client: Earth Systems Pacific	SAMPLE ID: 04-837-1
4378 Santa Fe Rd	Date Received: 7/1/04
San Luis Obispo, CA 93401	Date Sampled: 7/1/04
Attn: Tim Conroy	Date Extracted: 7/1/04
Project: UCSB Psychology Bldg	Date Analyzed: 7/2/04
Client ID: S-26	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-837-1	S-26	TPH C ₁₀ -C ₂₂	ND	mg/Kg	15
		TPH C ₂₃ -C ₃₂	ND	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

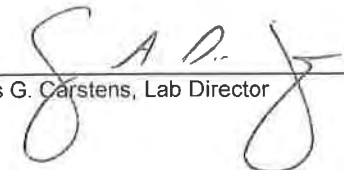
J.G.C.
for Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-837-1
4378 Santa Fe Rd	Date Received: 7/1/04
San Luis Obispo, CA 93401	Date Sampled: 7/1/04
Attn: Tim Conroy	Date Extracted: 7/1/04
Project: UCSB Psychology Bldg	Date Analyzed: 7/1/04
Client ID: S-26	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results				
Total Petroleum Hydrocarbons (TPH) Gasoline Range				
Constituents	Analysis Results	Reporting Units	Acceptance Criteria	PQL
Benzene	ND	mg/Kg		0.1
Toluene	ND	mg/Kg		0.6
Ethylbenzene	ND	mg/Kg		0.1
Total Xylenes	ND	mg/Kg		0.1
TPH C ₄ -C ₉	ND	mg/Kg		15
Surrogate % Recovery	87	%	70%-130%	

OEC Analytical is certified by CA Department of Health Services: Laboratory #2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
Individual constituents by EPA Method 5030/8021
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL.

For 
Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-837-2
4378 Santa Fe Rd	Date Received: 7/1/04
San Luis Obispo, CA 93401	Date Sampled: 7/1/04
Attn: Tim Conroy	Date Extracted: 7/1/04
Project: UCSB Psychology Bldg	Date Analyzed: 7/2/04
Client ID: S-27	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-837-2	S-27	TPH C ₁₀ -C ₂₂	ND	mg/Kg	15
		TPH C ₂₃ -C ₃₂	49	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

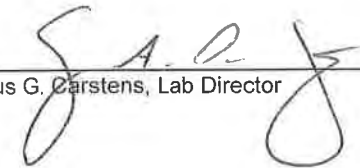
J. G. Carstens
For Julius G. Carstens, Lab Director



Client: Earth Systems Pacific 4378 Santa Fe Rd San Luis Obispo, CA 93401 Attn: Tim Conroy Project: UCSB Psychology Bldg Client ID: S-27 Matrix: Solid	SAMPLE ID: 04-837-2 Date Received: 7/1/04 Date Sampled: 7/1/04 Date Extracted: 7/1/04 Date Analyzed: 7/1/04 Lab Contact: J. Carstens
---	---

Report Of Analytical Results				
Total Petroleum Hydrocarbons (TPH) Gasoline Range				
Constituents	Analysis Results	Reporting Units	Acceptance Criteria	PQL
Benzene	ND	mg/Kg		0.1
Toluene	ND	mg/Kg		0.6
Ethylbenzene	ND	mg/Kg		0.1
Total Xylenes	ND	mg/Kg		0.1
TPH C ₄ -C ₉	ND	mg/Kg		15
Surrogate % Recovery	91	%	70%-130%	

OEC Analytical is certified by CA Department of Health Services: Laboratory #2438
 Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
 Individual constituents by EPA Method 5030/8021
 PQL = Practical Quantitation Limit
 Results listed as ND would have been reported if present at or above the listed PQL.

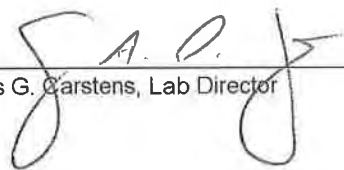
For 
 Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-837-3
4378 Santa Fe Rd	Date Received: 7/1/04
San Luis Obispo, CA 93401	Date Sampled: 7/1/04
Attn: Tim Conroy	Date Extracted: 7/1/04
Project: UCSB Psychology Bldg	Date Analyzed: 7/2/04
Client ID: S-28	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-837-3	S-28	TPH C ₁₀ -C ₂₂	ND	mg/Kg	15
		TPH C ₂₃ -C ₃₂	ND	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

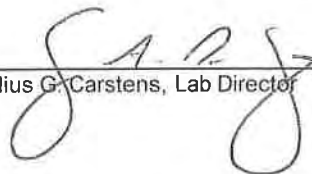
For 
Julius G. Carstens, Lab Director



Client: Earth Systems Pacific 4378 Santa Fe Rd San Luis Obispo, CA 93401 Attn: Tim Conroy Project: UCSB Psychology Bldg Client ID: S-28 Matrix: Solid	SAMPLE ID: 04-837-3 Date Received: 7/1/04 Date Sampled: 7/1/04 Date Extracted: 7/1/04 Date Analyzed: 7/1/04 Lab Contact: J. Carstens
---	---

Report Of Analytical Results				
Total Petroleum Hydrocarbons (TPH) Gasoline Range				
Constituents	Analysis Results	Reporting Units	Acceptance Criteria	PQL
Benzene	ND	mg/Kg		0.1
Toluene	ND	mg/Kg		0.6
Ethylbenzene	ND	mg/Kg		0.1
Total Xylenes	ND	mg/Kg		0.1
TPH C ₄ -C ₉	ND	mg/Kg		15
Surrogate % Recovery	86	%	70%-130%	

OEC Analytical is certified by CA Department of Health Services: Laboratory #2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
Individual constituents by EPA Method 5030/8021
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL.

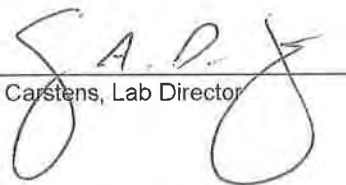
For 
Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-837-4
4378 Santa Fe Rd	Date Received: 7/1/04
San Luis Obispo, CA 93401	Date Sampled: 7/1/04
Attn: Tim Conroy	Date Extracted: 7/1/04
Project: UCSB Psychology Bldg	Date Analyzed: 7/2/04
Client ID: S-29	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-837-4	S-29	TPH C ₁₀ -C ₂₂	ND	mg/Kg	15
		TPH C ₂₃ -C ₃₂	ND	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

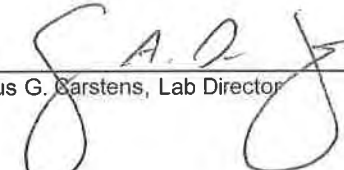
Fw 
Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-837-4
4378 Santa Fe Rd	Date Received: 7/1/04
San Luis Obispo, CA 93401	Date Sampled: 7/1/04
Attn: Tim Conroy	Date Extracted: 7/1/04
Project: UCSB Psychology Bldg	Date Analyzed: 7/1/04
Client ID: S-29	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results				
Total Petroleum Hydrocarbons (TPH) Gasoline Range				
Constituents	Analysis Results	Reporting Units	Acceptance Criteria	PQL
Benzene	ND	mg/Kg		0.1
Toluene	ND	mg/Kg		0.6
Ethylbenzene	ND	mg/Kg		0.1
Total Xylenes	ND	mg/Kg		0.1
TPH C ₄ -C ₉	ND	mg/Kg		15
Surrogate % Recovery	88	%	70%-130%	

OEC Analytical is certified by CA Department of Health Services: Laboratory #2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
Individual constituents by EPA Method 5030/8021
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL.

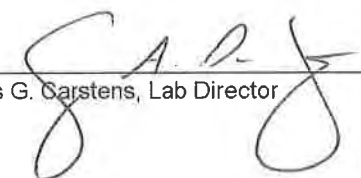

Fw Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-837-5
4378 Santa Fe Rd	Date Received: 7/1/04
San Luis Obispo, CA 93401	Date Sampled: 7/1/04
Attn: Tim Conroy	Date Extracted: 7/1/04
Project: UCSB Psychology Bldg	Date Analyzed: 7/2/04
Client ID: S-30	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-837-5	S-30	TPH C ₁₀ -C ₂₂	ND	mg/Kg	15
		TPH C ₂₃ -C ₃₂	ND	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

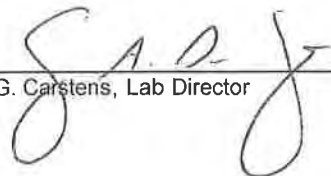
For 
Julius G. Carstens, Lab Director



Client: Earth Systems Pacific 4378 Santa Fe Rd San Luis Obispo, CA 93401 Attn: Tim Conroy Project: UCSB Psychology Bldg Client ID: S-30 Matrix: Solid	SAMPLE ID: 04-837-5 Date Received: 7/1/04 Date Sampled: 7/1/04 Date Extracted: 7/1/04 Date Analyzed: 7/1/04 Lab Contact: J. Carstens
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Report Of Analytical Results				
Total Petroleum Hydrocarbons (TPH) Gasoline Range				
Constituents	Analysis Results	Reporting Units	Acceptance Criteria	PQL
Benzene	ND	mg/Kg		0.1
Toluene	ND	mg/Kg		0.6
Ethylbenzene	ND	mg/Kg		0.1
Total Xylenes	ND	mg/Kg		0.1
TPH C ₄ -C ₉	ND	mg/Kg		15
Surrogate % Recovery	90	%	70%-130%	

OEC Analytical is certified by CA Department of Health Services: Laboratory #2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
Individual constituents by EPA Method 5030/8021
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL.

For  Julius G. Carstens, Lab Director



Calif. ... Jiro ... and ... npl ... se

307 Roemer Way Suite 300, Santa Maria, CA 93454

phone: (805) 922-4772 fax: (805) 925-3376

CHAIN OF CUSTODY

Company: Earth Systems Pacific

Street Address: 4378 Santa Fe Road

City: San Luis Obispo

State: CA

ZIP: 93401

Telephone: 544-3276

Fax: 544-1786

Report To: Tim Conroy

Sampler: Mark Weeks

Project Name: UCSB Psychology Bldg

Site: Goleta

Comments

Analyses Requested

PHD	X																				
BTEX	X																				

Lab Sample ID	Date/Time Sampled	Matrix	# of Cont.	Client Sample ID	Turnaround Time:	
					<input type="checkbox"/> 10 Work Days	<input type="checkbox"/> 5 Work Days
04-837-1	7-1-04 10:15	Soil	1	S-26	<input type="checkbox"/> 3 Work Days	<input type="checkbox"/> 1 Work Day
-2	10:20	|	1	S-27	<input checked="" type="checkbox"/> 2 Work Days	<input type="checkbox"/> 2-8 Hours
-3	10:25	|	1	S-28		
-4	10:30	|	1	S-29		
-5	11:30	↓	1	S-30		

Relinquished By: Mark Weeks Date: 7-1-04 Time: 1:10 Received By: Mark Weeks Date: 7-1-4 Time: 1:10

Relinquished By: Date: Time: Received By: Date: Time:

Relinquished By: Date: Time: Received By: Date: Time:

Sample integrity upon receipt: Good Method of shipment via Earth Systems Comments

Samples received cold n Samples received intact n

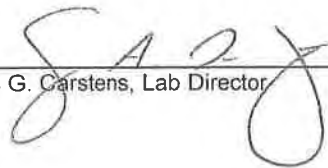
Custody seals n



Client: Earth Systems Pacific	SAMPLE ID: 04-903-7
4378 Santa Fe Rd	Date Received: 7/13/04
San Luis Obispo, CA 93401	Date Sampled: 7/13/04
Attn: Tim Conroy	Date Extracted: 7/13/04
Project: UCSB Psychology Bldg	Date Analyzed: 7/13/04
Client ID: C-31-Towbes	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results				
Total Petroleum Hydrocarbons (TPH) Gasoline Range				
Constituents	Analysis Results	Reporting Units	Acceptance Criteria	PQL
Benzene	ND	mg/Kg		0.1
Toluene	ND	mg/Kg		0.6
Ethylbenzene	ND	mg/Kg		0.1
Total Xylenes	ND	mg/Kg		0.1
TPH C ₄ -C ₉	ND	mg/Kg		15
Surrogate % Recovery	81	%	70%-130%	

OEC Analytical is certified by CA Department of Health Services: Laboratory #2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
Individual constituents by EPA Method 5030/8021
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL.

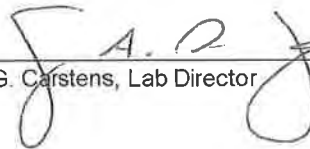
For  Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-903-7
4378 Santa Fe Rd	Date Received: 7/13/04
San Luis Obispo, CA 93401	Date Sampled: 7/13/04
Attn: Tim Conroy	Date Extracted: 7/13/04
Project: UCSB Psychology Bldg	Date Analyzed: 7/14/04
Client ID: C-31-Towbes	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-903-7	C-31-Towbes	TPH C ₁₀ -C ₂₂	ND	mg/Kg	15
		TPH C ₂₃ -C ₃₂	ND	mg/Kg	25

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL

For 
Julius G. Carstens, Lab Director



Oilfield Environmental and Compliance
 547 Suite C West Betteravia, Santa Maria, CA 93454
 phone: (805) 922-4772 fax: (805) 925-3376

CHAIN OF CUSTODY

Company: Earth Systems Pacific Project Name: UCSB Psychology Bldg
 Street Address: 4378 Santa Fe Rd State: CA Zip: 93401
 City: SLO Telephone: 544-3276 Fax: 544-1786 Comments: SL-13096-EA
 Report To: Tim Conway Sampler: T. Conway

Lab Sample ID	Date/Time Sampled	Matrix	# of Cont.	Client Sample ID	Analyses Requested		Remarks
					TPHd	BTEX	
04-903-1	7/13/04 1140	Soil	1	EXC-1 / 17'	X	X	<div style="border: 1px solid black; padding: 5px;"> Verbits given to Tim Conway 7-14-04 @ 1130 am (D) </div>
-2	1144	|	1	EXC-2 / 18'	X	X	
-3	1150	|	1	EXC-3 / 16'	X	X	
-4	1155	|	1	EXC-4 / 17'	X	X	
-5	1205	|	1	EXC-5 / 14'	X	X	
-6	1207	|	1	EXC-6 / 13'	X	X	
-7	1355	↓	1	C-31 - Towbes	X	X	

Relinquished By: Tim Conway Date: 7/13/04 Time: 1520 Received By: John Valeriano Date: 7/13/04 Time: 1520
 Relinquished By: _____ Date: _____ Time: _____ Received By: _____ Date: _____ Time: _____
 Relinquished By: _____ Date: _____ Time: _____ Received By: _____ Date: _____ Time: _____

Sample integrity upon receipt: (y) Method of shipment: (y)
 Samples received cold: (y) Samples received intact: (y)
 Custody seals: (y)

Comments: cell call # 431-4037
when ready

APPENDIX B

**Profile Sample Laboratory Reports/
Chain-of-Custody Documents**



OILFIELD ENVIRONMENTAL AND COMPLIANCE, INC.

Client: Earth Systems Pacific
4378 Santa Fe Rd.
San Luis Obispo, CA 93401
Attn: Tim Conroy
Project: UCSB PSYCHOLOGY BLDG ADDN
Matrix: Soil

SAMPLE ID: 04-739-1
Date Sampled: 06/11/04
Date Analyzed: 6/11/04 - 6/14/04
Date Received: 06/11/04
Lab Contact: J. Carstens

Report Of Analytical Results

OEC ID	Client ID	Constituent	Results	Units	Method	PQL
04-739-1	Profile @ 10'	pH	8.3	units	EPA 9045C	0.1
		Flash Point	>212	°F	EPA 1010	0.5

Results listed as ND would have been reported if present at or above the listed PQL(Practical Quantitation Limit).
OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438

For 
Julius G. Carstens, Lab Director



Client: Earth Systems Pacific 4378 Santa Fe Rd. San Luis Obispo, CA 93401 Attn: Tim Conroy Project: UCSB PSYCHOLOGY BLDG. ADDN Client ID: PROFILE @ 10' Matrix: Soil	SAMPLE ID: 04-739-1 Date Received: 6/11/04 Date Sampled: 6/11/04 Date Extracted: 6/14/04 Date Analyzed: 6/14/04 Lab Contact: J. Carstens
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Report Of Analytical Results VOLATILE ORGANIC COMPOUNDS				
Constituents	Analysis Reporting		Acceptance	
	Results	Units	Criteria	PQL
Benzene	ND	mg/Kg		0.05
Bromobenzene	ND	mg/Kg		0.05
Bromochloromethane	ND	mg/Kg		0.05
Bromodichloromethane	ND	mg/Kg		0.05
Bromoform	ND	mg/Kg		0.05
Bromomethane	ND	mg/Kg		0.05
n-Butylbenzene	0.69	mg/Kg		0.05
sec-Butylbenzene	1.6	mg/Kg		0.05
tert-Butylbenzene	ND	mg/Kg		0.05
Carbon Tetrachloride	ND	mg/Kg		0.05
Chlorobenzene	ND	mg/Kg		0.05
Chloroethane	ND	mg/Kg		0.05
2-Chloroethylvinyl ether	ND	mg/Kg		0.05
Chloroform	ND	mg/Kg		0.05
Chloromethane	ND	mg/Kg		0.05
2-Chlorotoluene	0.17	mg/Kg		0.05
4-Chlorotoluene	ND	mg/Kg		0.05
1,2-Dibromo-3-Chloropropane	ND	mg/Kg		0.05
Dibromochloromethane	ND	mg/Kg		0.05
Dibromomethane	ND	mg/Kg		0.05
1,2-Dichlorobenzene	ND	mg/Kg		0.05
1,3-Dichlorobenzene	ND	mg/Kg		0.05
1,4-Dichlorobenzene	ND	mg/Kg		0.05
Dichlorodifluoromethane	ND	mg/Kg		0.05
1,1-Dichloroethane	ND	mg/Kg		0.05
1,2-Dichloroethane (EDC)	ND	mg/Kg		0.05
1,1-Dichloroethene	ND	mg/Kg		0.05
cis-1,2-Dichloroethene	ND	mg/Kg		0.05

OEC Analytical is certified by CA Department of Health Services: Laboratory #2438

Test Method: EPA 8260B

PQL = Practical Quantitation Limit

Results listed as ND would have been reported if present at or above the listed PQL.

Raised PQL due to dilution.



Client: Earth Systems Pacific
4378 Santa Fe Rd.
San Luis Obispo, CA 93401
Attn: Tim Conroy
Project: UCSB PSYCHOLOGY BLDG. ADDN
Client ID: PROFILE @ 10'
Matrix: Soil

SAMPLE ID: 04-739-1
Date Received: 6/11/04
Date Sampled: 6/11/04
Date Extracted: 6/14/04
Date Analyzed: 6/14/04

Lab Contact: J. Carstens

**Report Of Analytical Results
VOLATILE ORGANIC COMPOUNDS**

Constituents	Analysis Reporting		Acceptance	
	Results	Units	Criteria	PQL
trans-1,2-Dichloroethene	ND	mg/Kg		0.05
1,2-Dichloropropane	ND	mg/Kg		0.05
1,3-Dichloropropane	ND	mg/Kg		0.05
2,2-Dichloropropane	ND	mg/Kg		0.05
1,1-Dichloropropene	ND	mg/Kg		0.05
cis-1,3-Dichloropropene	ND	mg/Kg		0.05
trans-1,3-Dichloropropene	ND	mg/Kg		0.05
Dichlorotrifluoroethane	ND	mg/Kg		0.05
Ethylbenzene	0.44	mg/Kg		0.05
Ethylene dibromide (EDB)	ND	mg/Kg		0.05
Hexachlorobutadiene	ND	mg/Kg		0.05
Isopropylbenzene	0.58	mg/Kg		0.05
4-Isopropyltoluene	2.2	mg/Kg		0.05
Methylene Chloride	ND	mg/Kg		0.05
Naphthalene	1.0	mg/Kg		0.05
n-Propylbenzene	1.5	mg/Kg		0.05
Styrene	ND	mg/Kg		0.05
1,1,1,2-Tetrachloroethane	ND	mg/Kg		0.05
1,1,2,2-Tetrachloroethane	ND	mg/Kg		0.05
Tetrachloroethene (PCE)	ND	mg/Kg		0.05
Toluene	ND	mg/Kg		0.05
1,2,3-Trichlorobenzene	ND	mg/Kg		0.05
1,2,4-Trichlorobenzene	ND	mg/Kg		0.05
1,1,1-Trichloroethane (TCA)	ND	mg/Kg		0.05
1,1,2-Trichloroethane	ND	mg/Kg		0.05
Trichloroethene (TCE)	ND	mg/Kg		0.05
Trichlorofluoromethane (freon 11)	ND	mg/Kg		0.05

OEC Analytical is certified by CA Department of Health Services: Laboratory #2438

Test Method: EPA 8260B

PQL = Practical Quantitation Limit

Results listed as ND would have been reported if present at or above the listed PQL.

Raised PQL due to dilution.



Client: Earth Systems Pacific 4378 Santa Fe Rd. San Luis Obispo, CA 93401	SAMPLE ID: 04-739-1 Date Received: 6/11/04 Date Sampled: 6/11/04 Date Extracted: 6/14/04 Date Analyzed: 6/14/04
Attn: Tim Conroy Project: UCSB PSYCHOLOGY BLDG. ADDN Client ID: PROFILE @ 10' Matrix: Soil	Lab Contact: J. Carstens

Report Of Analytical Results VOLATILE ORGANIC COMPOUNDS				
Constituents	Analysis Reporting		Acceptance	
	Results	Units	Criteria	PQL
1,2,3-Trichloropropane	ND	mg/Kg		0.05
1,2,4-Trimethylbenzene	1.1	mg/Kg		0.05
1,3,5-Trimethylbenzene	1.6	mg/Kg		0.05
Vinyl Chloride	ND	mg/Kg		0.05
Xylenes	ND	mg/Kg		0.05
Percent Surrogate Recovery (Dibromofluoromethane)				104
Percent Surrogate Recovery (Toluene-d8)				98
Percent Surrogate Recovery (4-Bromofluorobenzene)				152

OEC Analytical is certified by CA Department of Health Services: Laboratory #2438

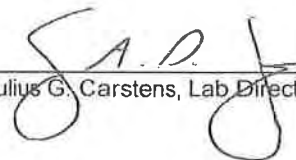
Test Method: EPA 8260B

PQL = Practical Quantitation Limit

Results listed as ND would have been reported if present at or above the listed PQL.

High surrogate recovery (4-BFB) due to matrix interference.

Raised PQL due to dilution.

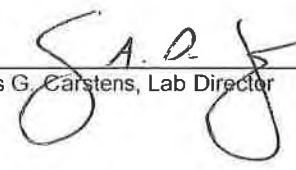

 For Julius G. Carstens, Lab Director



Client: Earth Systems Pacific 4378 Santa Fe Road San Luis Obispo, CA 93401	SAMPLE ID: 04-739-1 Date Received: 6/11/04 Date Sampled: 6/11/04 Date Extracted: 6/11/04 Date Analyzed: 6/11/04
Attn: Tim Conroy Project: UCSB PSYCHOLOGY BLDG ADDN Client ID: PROFILE @ 10' Matrix: Soil	Lab Contact: J. Carstens

Report Of Analytical Results Polynuclear Aromatic Hydrocarbons			
Constituents	Analysis Results	Reporting Units	PQL
Acenaphthene	ND	mg/Kg	0.5
Acenaphthylene	ND	mg/Kg	0.5
Anthracene	ND	mg/Kg	0.5
Benz (a) anthracene	ND	mg/Kg	0.5
Benzo (b) fluoranthene	ND	mg/Kg	0.5
Benzo (k) fluoranthene	ND	mg/Kg	0.5
Benzo (a) pyrene	ND	mg/Kg	0.5
Benzo (g,h,i) perylene	ND	mg/Kg	0.5
Chrysene	ND	mg/Kg	0.5
Dibenz (a,h) anthracene	ND	mg/Kg	0.5
Fluoranthene	ND	mg/Kg	0.5
Fluorene	1.0	mg/Kg	0.5
Indeno (1,2,3-cd) pyrene	ND	mg/Kg	0.5
Naphthalene	6.8	mg/Kg	0.5
Phenanthrene	1.3	mg/Kg	0.5
Pyrene	ND	mg/Kg	0.5
Surrogate	100	%	

OEC Analytical is certified by CA Department of Health Services: Laboratory #2438
 Test Method: EPA 8270C (SIM)
 Prep Method: EPA 3550B
 PQL = Practical Quantitation Limit
 Results listed as ND would have been reported if present at or above the listed PQL.
 Note: Analyzed in the Selected Ion Monitoring (SIM) mode
 Raised PQL due to dilution

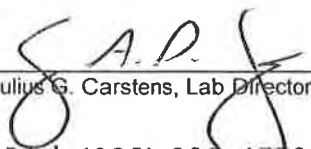
Fw 
 Julius G. Carstens, Lab Director



Client: Earth Systems Pacific 4378 Santa Fe Rd. San Luis Obispo, CA 93401 Attn: Tim Conroy Project: UCSB PSYCHOLOGY BLDG ADDN Client ID: PROFILE @ 10' Matrix: Soil	SAMPLE ID: 04-739-1 Date Received: 6/11/04 Date Sampled: 6/11/04 Date Extracted: 6/11/04 Date Analyzed: 6/11/04 Lab Contact: J. Carstens
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Report Of Analytical Results Organochlorine Pesticides			
Constituents	Analysis Results	Reporting Units	PQL
a-BHC	ND	mg/Kg	0.015
a-Chlordane	ND	mg/Kg	0.015
Aldrin	ND	mg/Kg	0.015
b-BHC	ND	mg/Kg	0.015
d-BHC	ND	mg/Kg	0.015
4,4'-DDD	ND	mg/Kg	0.015
4,4'-DDE	ND	mg/Kg	0.015
4,4'-DDT	ND	mg/Kg	0.015
Dieldrin	ND	mg/Kg	0.015
Endosulfan I	ND	mg/Kg	0.015
Endosulfan II	ND	mg/Kg	0.015
Endosulfan sulfate	ND	mg/Kg	0.015
Endrin	ND	mg/Kg	0.015
Endrin aldehyde	ND	mg/Kg	0.015
Endrin ketone	ND	mg/Kg	0.015
g-BHC	ND	mg/Kg	0.015
g-Chlordane	ND	mg/Kg	0.015
Heptachlor	ND	mg/Kg	0.015
Heptachlor epoxide	ND	mg/Kg	0.015
Methoxychlor	ND	mg/Kg	0.015
Technical Chlordane	ND	mg/Kg	0.1
Toxaphene	ND	mg/Kg	0.1
Surrogate	86	%	

OEC Analytical is certified by CA Department of Health Services: Laboratory #2438
 Test Method: EPA 8081A
 Prep Method: EPA 3550B
 PQL = Practical Quantitation Limit
 Results listed as ND would have been reported if present at or above the listed PQL.
 Raised PQL due to dilution

For 
 Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-739-1
4378 Santa Fe Rd.	Date Received: 6/11/04
San Luis Obispo, CA 93401	Date Sampled: 6/11/04
Attn: Tim Conroy	Date Extracted: 6/11/04
Project: UCSB PSYCHOLOGY BLDG ADDN	Date Analyzed: 6/11/04
Client ID: PROFILE @ 10'	
Matrix: Soil	Lab Contact: J. Carstens

Report Of Analytical Results Polychlorinated Biphenyls (PCBs)			
Constituents	Analysis Results	Reporting Units	PQL
Aroclor 1016	ND	mg/Kg	0.1
Aroclor 1221	ND	mg/Kg	0.1
Aroclor 1232	ND	mg/Kg	0.1
Aroclor 1242	ND	mg/Kg	0.1
Aroclor 1248	ND	mg/Kg	0.1
Aroclor 1254	ND	mg/Kg	0.1
Aroclor 1260	ND	mg/Kg	0.1
Surrogate	90	%	

OEC Analytical is certified by CA Department of Health Services: Laboratory #2438

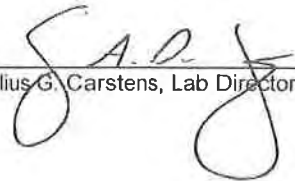
Test Method: EPA 8082

Prep Method: EPA 3550B

PQL = Practical Quantitation Limit

Results listed as ND would have been reported if present at or above the listed PQL.

Raised PQL due to dilution

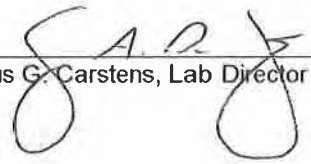
For  Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-739-1
4378 Santa Fe Rd	Date Received: 6/11/04
San Luis Obispo, CA 93401	Date Sampled: 6/11/04
Attn: Tim Conroy	Date Extracted: 6/14/04
Project: UCSB PSYCHOLOGY BLDG ADDN	Date Analyzed: 6/14/04
Client ID: PROFILE @ 10'	Lab Contact: J. Carstens
Matrix: DI Wet	

Report Of Analytical Results					
Soluble Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range ⁽¹⁾					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-739-1	PROFILE @ 10'	TPH C ₁₀ -C ₂₂	20.9	mg/L	0.05
		TPH C ₂₃ -C ₃₂	1.74	mg/L	0.05

(1) Test Method Extraction: Deionized Water California Extraction
TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Components are reported non-detect (ND) if at or below the PQL

For  Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-739-1
4378 Santa Fe Rd	Date Received: 6/11/04
San Luis Obispo, CA 93401	Date Sampled: 6/11/04
Attn: Tim Conroy	Date Extracted: 6/14/04
Project: UCSB PSYCHOLOGY BLDG ADDN	Date Analyzed: 6/14/04
Client ID: PROFILE @ 10'	
Matrix: DI Wet	Lab Contact: J. Carstens

Report Of Analytical Results				
Soluble Petroleum Hydrocarbons (TPH) Gasoline Range & BTEX(1)				
Constituents	Analysis Results	Reporting Units	Acceptance Criteria	PQL
Benzene	ND	µg/L		1.0
Toluene	ND	µg/L		6.0
Ethylbenzene	6.8	µg/L		1.0
Total Xylenes	ND	µg/L		1.0
TPH - C ₄ -C ₉	280	µg/L		100
Surrogate % Recovery	98	%	70%-130%	

(1) Test Method Extraction: Deionized Water Zero Headspace Extraction (Modified Cal WET).
 TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
 Individual constituents by EPA Method 8021
 PQL = Practical Quantitation Limit
 Results listed as ND would have been reported if present at or above the listed PQL

J. Carstens
 For Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-739-1
4378 Santa Fe Rd	Date Received: 6/11/04
San Luis Obispo, CA 93401	Date Sampled: 6/11/04
Attn: Tim Conroy	Date Extracted: 6/11/04
Project: UCSB PSYCHOLOGY BLDG ADDN	Date Analyzed: 6/12/04
Client ID: PROFILE @ 10'	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results					
Total Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-739-1	PROFILE @ 10'	TPH C ₁₀ -C ₂₂	5800	mg/Kg	75
		TPH C ₂₃ -C ₃₂	140	mg/Kg	125

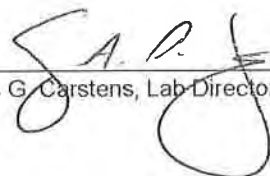
Raised PQL due to dilution.

OEC Analytical is certified by CA Department of Health Services: Laboratory # 2438

Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015

PQL = Practical Quantitation Limit

Results listed as ND would have been reported if present at or above the listed PQL

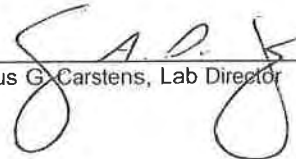

 For Julius G. Carstens, Lab Director



Client: Earth Systems Pacific	SAMPLE ID: 04-739-1
4378 Santa Fe Rd	Date Received: 6/11/04
San Luis Obispo, CA 93401	Date Sampled: 6/11/04
Attn: Tim Conroy	Date Extracted: 6/11/04
Project: UCSB PSYCHOLOGY BLDG ADDN	Date Analyzed: 6/12/04
Client ID: PROFILE @ 10'	
Matrix: Solid	Lab Contact: J. Carstens

Report Of Analytical Results				
Total Petroleum Hydrocarbons (TPH) Gasoline Range				
Constituents	Analysis Results	Reporting Units	Acceptance Criteria	PQL
Benzene	ND	mg/Kg		0.2
Toluene	ND	mg/Kg		1.2
Ethylbenzene	1.8	mg/Kg		0.2
Total Xylenes	ND	mg/Kg		0.2
TPH C ₄ -C ₉	110	mg/Kg		30
Surrogate % Recovery	99	%	70%-130%	

Raised PQL due to dilution.
OEC Analytical is certified by CA Department of Health Services: Laboratory #2438
Test Method: TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
Individual constituents by EPA Method 5030/8021
PQL = Practical Quantitation Limit
Results listed as ND would have been reported if present at or above the listed PQL.

Fv 
 Julius G. Carstens, Lab Director



CREEK ENVIRONMENTAL LABORATORIES, INC.

141 SUBURBAN ROAD, SUITE C-5 • SAN LUIS OBISPO, CA 93401 • (805) 545-9838 • FAX (805) 545-0107

Julius Carstens
Oilfield Environmental & Compliance
307 Roemer Way
Suite 300
Santa Maria, CA 93454

Log Number: 04-C7157
Order: L2951
Project: UCSB Psychology Bldg. ADD
Received: 06/14/04

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	SAMPLED BY	SAMPLED		MATRIX	
		DATE @ TIME			
Profile @ 10'/04-739-1		06/11/04@13:45		Solid	
ANALYTE	RESULT	DLR	UNITS	METHOD	ANALYZED
Reactive Cyanide	Not Detected	0.1	mg/Kg	SW 846, Section	06/14/04
Sulfide, Reactive	Not Detected	0.1	mg/Kg	SW 846, Section	06/14/04
Silver	Not Detected	0.6	mg/Kg	EPA 6010	06/15/04
Arsenic	Not Detected	6	mg/Kg	EPA 6010	06/15/04
Barium	24	0.6	mg/Kg	EPA 6010	06/15/04
Beryllium	0.23	0.1	mg/Kg	EPA 6010	06/15/04
Cadmium	Not Detected	0.6	mg/Kg	EPA 6010	06/15/04
Cobalt	4.5	0.6	mg/Kg	EPA 6010	06/15/04
Chromium	16	1	mg/Kg	EPA 6010	06/15/04
Copper	2	2	mg/Kg	EPA 6010	06/15/04
Mercury	Not Detected	0.04	mg/Kg	EPA 7471	06/16/04
Molybdenum	Not Detected	1	mg/Kg	EPA 6010	06/15/04
Nickel	10	1	mg/Kg	EPA 6010	06/15/04
Lead	5	2	mg/Kg	EPA 6010	06/15/04
Antimony	Not Detected	6	mg/Kg	EPA 6010	06/15/04
Selenium	Not Detected	6	mg/Kg	EPA 6010	06/15/04
Thallium	Not Detected	10	mg/Kg	EPA 6010	06/15/04
Vanadium	16	0.6	mg/Kg	EPA 6010	06/15/04
Zinc	11	2	mg/Kg	EPA 6010	06/15/04

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

Lab Manager, Mary Ann Long



Oceanfield Environmental and Compliance
 547 Suite C West Beteravia, Santa Maria, CA 93454
 phone: (805) 922-4772 fax: (805) 925-3376

CHAIN OF CUSTODY

Company: **EARTH SYSTEMS PACIFIC** Project Name: **UCSB PSYCHOLOGY BLDG ADDN**
 Street Address: **4378 SANTA FE RD** State: **CA** Zip: **93407**
 City: **LA JOLLA** Telephone: **(805) 544-3276** Fax: **(805) 544-1786**
 Report To: **TIM CONROY** Sampler: **BRIAN SAACE**
 Comments: **5M LANDFILL PROFILE CRITERIA**

Lab Sample ID	Date/Time Sampled	Matrix	# of Cont.	Client Sample ID	Analyses Requested			Remarks
					✓	✓	✓	
04-734-1	6-11-04 1:45 PM	SOIL	4	PROFILE @ 10'	✓	✓	✓	24 HR RUSA
-2	6-11-04 1:50 PM	"	1	#1 @ 3'	✓	✓	✓	WHERE POSSIBLE
-3	6-11-04 1:50 PM	"	1	#2 @ 3'	✓	✓	✓	
-4	6-11-04 2:05	"	1	CLEAN STRIKEPIECE NW	✓	✓	✓	
-5	6-11-04 2:05	"	1	" " SW	✓	✓	✓	
-6	6-11-04 2:05 PM	"	1	" " SE	✓	✓	✓	
-7	6-11-04	"	1	EXPORT STRIKEPIECE 1	✓	✓	✓	
-8	6-11-04	"	1	EXPORT STRIKEPIECE 2	✓	✓	✓	

Relinquished By: *[Signature]* Date: **6-11-04** Time: **4:47 PM** Received By: *[Signature]* Date: **6-11-04** Time: **2:16:47**

Relinquished By: _____ Date: _____ Time: _____

Relinquished By: _____ Date: _____ Time: _____

Sample integrity upon receipt: _____ Method of shipment _____
 Samples received cold y/n _____ Samples received intact y/n _____
 Custody seals y/n _____

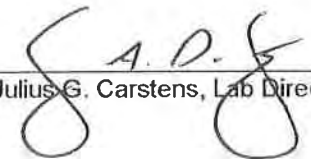
Comments: _____



Client: Earth Systems Pacific 4378 Santa Fe Rd San Luis Obispo, CA 93401 Attn: Tim Conroy Project: UCSB Psych Bldg Add'n Client ID: Towbes Stockpile 1 Matrix: DI Wet	SAMPLE ID: 04-755-4 Date Received: 6/16/04 Date Sampled: 6/16/04 Date Extracted: 6/19/04 Date Analyzed: 6/19/04 Lab Contact: J. Carstens
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Report Of Analytical Results					
Soluble Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range ⁽¹⁾					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-755-4	Towbes Stockpile 1	TPH C ₁₀ -C ₂₂	1.11	mg/L	0.05
		TPH C ₂₃ -C ₃₂	0.51	mg/L	0.05

**(1) Test Method Extraction: Deionized Water California Extraction
TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Components are reported non-detect (ND) if at or below the PQL**

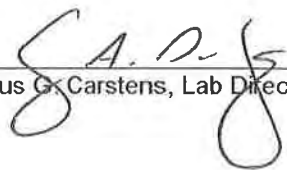
For 
Julius G. Carstens, Lab Director



Client: Earth Systems Pacific 4378 Santa Fe Rd San Luis Obispo, CA 93401	SAMPLE ID: 04-755-5 Date Received: 6/16/04 Date Sampled: 6/16/04 Date Extracted: 6/19/04 Date Analyzed: 6/19/04
Attn: Tim Conroy Project: UCSB Psych Bldg Add'n Client ID: Towbes Stockpile 2 Matrix: DI Wet	Lab Contact: J. Carstens

Report Of Analytical Results					
Soluble Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range ⁽¹⁾					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-755-5	Towbes Stockpile 2	TPH C ₁₀ -C ₂₂	2.96	mg/L	0.05
		TPH C ₂₃ -C ₃₂	0.27	mg/L	0.05

(1) Test Method Extraction: Deionized Water California Extraction
 TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
 PQL = Practical Quantitation Limit
 Components are reported non-detect (ND) if at or below the PQL

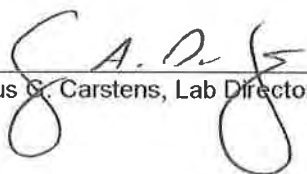
For  Julius G. Carstens, Lab Director



Client: Earth Systems Pacific 4378 Santa Fe Rd San Luis Obispo, CA 93401 Attn: Tim Conroy Project: UCSB Psych Bldg Add'n Client ID: Towbes Stockpile 3 Matrix: DI Wet	SAMPLE ID: 04-755-6 Date Received: 6/16/04 Date Sampled: 6/16/04 Date Extracted: 6/19/04 Date Analyzed: 6/19/04 Lab Contact: J. Carstens
---	---

Report Of Analytical Results					
Soluble Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range ⁽¹⁾					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-755-6	Towbes Stockpile 3	TPH C ₁₀ -C ₂₂	3.70	mg/L	0.05
		TPH C ₂₃ -C ₃₂	0.61	mg/L	0.05

(1) Test Method Extraction: Deionized Water California Extraction
 TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
 PQL = Practical Quantitation Limit
 Components are reported non-detect (ND) if at or below the PQL

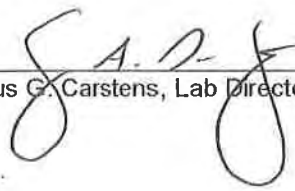
For  Julius G. Carstens, Lab Director



Client: Earth Systems Pacific 4378 Santa Fe Rd San Luis Obispo, CA 93401 Attn: Tim Conroy Project: UCSB Psych Bldg Add'n Client ID: Towbes Stockpile 4 Matrix: DI Wet	SAMPLE ID: 04-755-7 Date Received: 6/16/04 Date Sampled: 6/16/04 Date Extracted: 6/19/04 Date Analyzed: 6/19/04 Lab Contact: J. Carstens
---	---

Report Of Analytical Results					
Soluble Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range ⁽¹⁾					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-755-7	Towbes Stockpile 4	TPH C ₁₀ -C ₂₂	1.46	mg/L	0.05
		TPH C ₂₃ -C ₃₂	0.21	mg/L	0.05

(1) Test Method Extraction: Deionized Water California Extraction
TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Components are reported non-detect (ND) if at or below the PQL

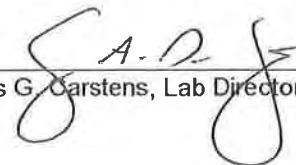
For  Julius G. Carstens, Lab Director



Client: Earth Systems Pacific 4378 Santa Fe Rd San Luis Obispo, CA 93401 Attn: Tim Conroy Project: UCSB Psych Bldg Add'n Client ID: Towbes Stockpile 5 Matrix: DI Wet	SAMPLE ID: 04-755-8 Date Received: 6/16/04 Date Sampled: 6/16/04 Date Extracted: 6/19/04 Date Analyzed: 6/19/04 Lab Contact: J. Carstens
---	---

Report Of Analytical Results					
Soluble Petroleum Hydrocarbons (TPH) Diesel / Motor Oil Range ⁽¹⁾					
OEC ID	Client ID	Constituent	Analysis Results	Reporting Units	PQL
04-755-8	Towbes Stockpile 5	TPH C ₁₀ -C ₂₂	1.26	mg/L	0.05
		TPH C ₂₃ -C ₃₂	0.41	mg/L	0.05

(1) Test Method Extraction: Deionized Water California Extraction
TPH by D.O.H.S. / L.U.F.T. Manual Method-Modified EPA 8015
PQL = Practical Quantitation Limit
Components are reported non-detect (ND) if at or below the PQL

For 
Julius G. Carstens, Lab Director



Oilfield Environmental and Compliance
 307 Roemer Way, Suite 300, Santa Maria, CA 93454
 phone: (805) 922-4772 fax: (805) 925-3376

CHAIN OF CUSTODY

Company: Earth Systems Pacific
 Street Address: 4378 Santa Fe Rd
 City: SLO State: CA Zip: 93401
 Telephone: 544-3276 Fax: 544-1786
 Report To: Tim Conway Sampler: Tim Conway

Project Name: UCSB Psych Bldg Bldg Addn
 Site:
 Comments SL-13096-~~EA~~ EA

Lab Sample ID	Date/Time Sampled	Matrix	# of Cont.	Client Sample ID	Analyses Requested			Remarks
					TPH	BTEX by TPH d-DI MET	TPH d-DI MET	
04-755-1	6/16/04 1310	AR	3	Basement Excavation ^{water}	X	X		24 hr TAT
-2	1340	SOIL		Profile 2-6'	X	X		72 hr TAT
-3	1340			Profile 3-6'	X	X		72 hr TAT
-4	1425			Towbes Stockpile 1	X	X		" "
-5	1429			Towbes Stockpile 2	X	X		" "
-6	1435			Towbes Stockpile 3	X	X		" "
-7	1440			Towbes Stockpile 4	X	X		" "
-8	1450			Towbes Stockpile 5	X	X		" "

Relinquished By: *Tim Conway* Date: 6/14/04 Time: 1710 Received By: *Allyson...* Date: 6/16/04 Time: 1710

Relinquished By: Date: Time: Received By: Date: Time:

Relinquished By: Date: Time: Received By: Date: Time:

Sample integrity upon receipt: *Good* Method of shipment: *Hand delivery* Comments

Samples received cold y/n Samples received intact y/n

Custody seals y/n



CITY OF SANTA MARIA
Public Works Department
Utilities Division
Solid Waste

10 E. COOK STREET • SANTA MARIA, CALIFORNIA 93454-5190 • 805-925-0951, EXT. 130 • FAX 805-925-2708

June 23, 2004

Mr. Tim Conroy
Earth Systems Pacific
4378 Santa Fe Road
San Luis Obispo, CA 93401

RE: APPROVAL FOR THE DISPOSAL OF NON-HAZADROUS HYDROCARBON IMPACTED SOIL (NHIS) FOR THE UNIVERSITY OF CALIFORNIA IN SANTA BARBARA, CA

PROFILE No. 060404

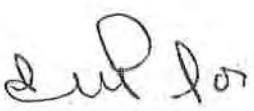
Dear Mr. Conroy

We have reviewed and approved the generator waste form, summary of analytical results, laboratory reports, and chain-of-custody documents for the hydrocarbon-affected material encountered at the future location of the new Psychology Building located on the University of California campus in Santa Barbara, California. **The NHIS material shall be identified under Profile No. 060404 as referenced above.**

To ensure that the accepted NHIS material is coming from the location approved, we will be visiting the property before and during the excavation. The City of Santa Maria Sanitary Landfill performs sampling on a random load basis to ensure compliance with all regulatory permits. Please be advised that soil samples will be taken during the disposal period, and if samples exceed the NHIS limits allowed, the generator is responsible. If you have any questions or require additional information, please call 805-925-0951, X130.

Respectfully Submitted:


John Zhao
Solid Waste/Utilities Engineer


Samuel Angulo Jr.
NHIS Operations Coordinator/Utilities Project Manager

c: CCRRRI

APPENDIX C

Non-Hazardous Waste Transportation Manifests/Weight Tickets



CITY OF SANTA MARIA
Public Works Department
Utilities Division
Solid Waste

110 E. COOK STREET • SANTA MARIA, CALIFORNIA 93454-5190 • 805-925-0951, EXT. 130 • FAX 805-925-2708

June 23, 2004

Mr. Tim Conroy
Earth Systems Pacific
4378 Santa Fe Road
San Luis Obispo, CA 93401

**RE: APPROVAL FOR THE DISPOSAL OF NON-HAZADROUS HYDROCARBON
IMPACTED SOIL (NHIS) FOR THE UNIVERSITY OF CALIFORNIA IN SANTA
BARBARA, CA**

PROFILE No. 060404

Dear Mr. Conroy

We have reviewed and approved the generator waste form, summary of analytical results, laboratory reports, and chain-of-custody documents for the hydrocarbon-affected material encountered at the future location of the new Psychology Building located on the University of California campus in Santa Barbara, California. **The NHIS material shall be identified under Profile No. 060404 as referenced above.**

To ensure that the accepted NHIS material is coming from the location approved, we will be visiting the property before and during the excavation. The City of Santa Maria Sanitary Landfill performs sampling on a random load basis to ensure compliance with all regulatory permits. Please be advised that soil samples will be taken during the disposal period, and if samples exceed the NHIS limits allowed, the generator is responsible. If you have any questions or require additional information, please call 805-925-0951, X130.

Respectfully Submitted:


John Zhao
Solid Waste/Utilities Engineer


Samuel Angulo Jr.
NHIS Operations Coordinator/Utilities Project Manager

c: CRRRI

APPENDIX C

Non-Hazardous Waste Transportation Manifests/Weight Tickets

Mail: 110 East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

SITE	TICKET	GRID	WEIGHMASTER			
03	014457	NHIS-A	Chris			
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF	
06/30/04	06/30/04	10:59	10:59	2K30378		
REFERENCE				OFFICER		
2004-20			SANTA BARBARA COUNTY			

Scale 1 Gross Wt. 70840 LB
 Stored Tare Wt. 29500 LB

Inbound - Charge ticket

QTY.	Net Weight	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
20.67	TON	University of CA SB				

Operating hours 7AM to 4PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type.

SIGNATURE _____

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.

Manifest Doc. No. **6**

2. Page 1 of 1

104

3. Generator's Name and Mailing Address
University of California - UCSB
UCSB Office of Design & Construction, Wldg 373

Profile # 0000000000000000

4. Generator's Phone ()

5. Transporter 1 Company Name
Speed's Oil Tool Service, Inc.

6. US EPA ID Number

A. Transporter's Phone
805-623-1359

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
Santa Maria Sanitary Landfill
2005 E. Main St., Santa Maria, Ca 93454

10. US EPA ID Number

C. Facility's Phone
805-923-0451 x256

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Non-Hazardous Hydrocarbon Impacted Soil (NHIS)

10

15

D

b. TICKET #
14457

20.67 T

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Site location:
Aero Camino & Camino Vista
Goleta, Ca

See Form 4040-1

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year
6 30 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
6 30 04

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 waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year
6 30 04

GENERATOR'S COPY

GENERATOR

TRANSPORTER

FACILITY

Mail: 110 East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

03		014509		NHIS-A		Chris	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF		
06/30/04	06/30/04	14:06	14:06	2K30378			
REFERENCE				ORIGIN			
2004-20				SANTA BARBARA COUNTY			

Scale 1 Gross Wt. 79440 LB
 Stored Tare Wt. 29500 LB

Inbound - Charge ticket

QTY.	Net Weight	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
24.97	TON	University of CA SB				

Operating hours 7AM to 4PM Monday thru Friday.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE _____

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1

of Manifests

219

3. Generator's Name and Mailing Address

University of California - UCSB
UCSB Office of Design & Construction Bldg 372

Profile # 0000000000

4. Generator's Phone ()

5. Transporter 1 Company Name

Speer's Oil Tool Service, Inc.

6. US EPA ID Number

A. Transporter's Phone

805-925-1349

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Santa Maria Sanitary Landfill
2050 E. Main St., Santa Maria, Ca 93454

10. US EPA ID Number

C. Facility's Phone

805-925-0001 x2213

11. Waste Shipping Name and Description

12. Containers

No.

Type

13. Total Quantity

14. Unit
Wt/Vol

a. Non-Hazardous Hydrocarbon Impacted Soil (NHIS)

DT

23

0

b. TICKET #
14509

24.97

T

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Site location:
Aero Cantina & Camino Vista
Goleta, Ca

No free liquids

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year
6 7 06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
6 5 06

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 waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year
6 20 04

GENERATOR'S COPY

GENERATOR

TRANSPORTER

FACILITY

Mil: 110 East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

SITE	TICKET	GRID		WEIGHMASTER	
03	014425	NHIS-A		Chris	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
06/30/04	06/30/04	09:18	09:18	4758125	
REFERENCE		ORIGIN			
2004-20		SANTA BARBARA COUNTY			

Scale 1 Gross Wt. 72500 LB
 Stored Tare Wt. 29700 LB

Inbound - Charge ticket

QTY.	Net Weight	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
21.40	TON	University of CA SB				

Operating hours 7AM to 4PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type.

SIGNATURE _____

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of 1 Manifest

302

3. Generator's Name and Mailing Address
University of California - UCSB
(UCSB) Office of Design & Construction Bldg 371

Phone # 805-414-5000

4. Generator's Phone ()

5. Transporter 1 Company Name
Speed's Oil Tool Service, Inc.

6. US EPA ID Number

A. Transporter's Phone
805-925-1360

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
Santa Maria Sanitary Landfill
2005 E. Main St., Santa Maria, Ca 93454

10. US EPA ID Number

C. Facility's Phone
805-925-0951 x253

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Non-hazardous Hydrocarbon Impacted Soil (NHIS)

DT

23

YD

b. TICKET #
1442C

21.40 T

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Site location:
Aero Camino & Camino Vista
Goleta, Ca

No free liquids

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year
6 30 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
6 30 04

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 waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year
6 30 04

GENERATOR'S COPY

GENERATOR

TRANSPORTER

FACILITY

Mail: 110 East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

03	014490	NHIS-A	Chris		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
06/30/04	06/30/04	12:52	12:52	1Z58125	
REFERENCE				ORIGIN	
2004-20			SANTA BARBARA COUNTY		

Scale 1 Gross Wt. 79400 LB
 Stored Tare Wt. 29700 LB

Inbound - Charge ticket

QTY.	Net Weight	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
24.85	TON	University of CA SB				

Operating hours 7AM to 4PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE _____

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1

of Manifest

209

3. Generator's Name and Mailing Address

University of California - UCSB
UCSB Office of Design & Construction Bldg 371

Printer # 000404-000

4. Generator's Phone ()

5. Transporter 1 Company Name
Speed's Oil Tool Service, Inc.

6. US EPA ID Number

A. Transporter's Phone
805-925-1359

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Santa Maria Secondary Landfill
2035 E. Main St., Santa Maria, Ca 95454

10. US EPA ID Number

C. Facility's Phone

805-925-0551 X253

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Non-Hazardous Hydrocarbon Impacted Soil (NHIS)

07

23

TD

b. TICKET #

14490

24.85

T

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Site location:
Aero Camino & Camino Vista
Goleta, Ca

No free liquids

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

6 30 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

6 30 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

6 30 04

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

6 30 04

GENERATOR'S COPY

GENERATOR

TRANSPORTER

FACILITY

Mail 100 East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

03	014433	NHIS A	Chris		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
06/30/04	06/30/04	09:36	09:36	6F81702	
REFERENCE		ORIGIN			
2004-20			SANTA BARBARA COUNTY		

Scale 1 Gross Wt. 74220 LB
 Stored Tare Wt. 29880 LB

Inbound - Charge ticket

QTY.	Net Weight	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
22.17	TON	University of CA SB				

Operating hours 7AM to 4PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE _____

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1

of 14 Manifests

2005

3. Generator's Name and Mailing Address
University of California - UCSB
UCSB Office of Design & Construction Bldg 370

Phone: 805/404-3000

4. Generator's Phone ()

5. Transporter 1 Company Name
Speed's Oil Tool Service, Inc.

6. US EPA ID Number

A. Transporter's Phone
805-225-1369

7. Transporter 2 Company Name

B. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
Santa Maria Sanitary Landfill
2065 E. Main St., Santa Maria, Ca 93458

10. US EPA ID Number

C. Facility's Phone
805-925-0887 x153

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Non-Hazardous Hydrocarbon Impacted Soil (NHIS)

5 T 25 TD

b. TICKET #
14433

22.17 T

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Site location:
Aero Camino & Camino Vista
Goleta, Ca

No Special Instructions

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Ernie [Signature]

Signature

[Signature]

Month Day Year
6 30 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

JOHN D. KNOPKE

Signature

[Signature]

Month Day Year
6 30 04

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 waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Chris Evangelista

Signature

[Signature]

Month Day Year
6 30 04

GENERATOR'S COPY

GENERATOR

TRANSPORTER

FACILITY

Mail: 110 East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

DATE	TICKET	SHIP	WEIGHMASTER			
03	014486	NHIS-A	Chris			
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF	
06/30/04	06/30/04	12:43	12:43	6F81702		
REFERENCE				ORIGIN		
2004-20			SANTA BARBARA COUNTY			

Scale 1 Gross Wt. 83500 LB
 Stored Tare Wt. 29880 LB

Inbound - Charge ticket

QTY	Net Weight	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
26.81	TON	University of CA SB				

operating hours 7AM to 4PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE _____

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of 1

200

3. Generator's Name and Mailing Address
University of California - UCSB
UCSB Office of Design & Construction Bldg 371

Phone # 805-894-0500

4. Generator's Phone ()

5. Transporter 1 Company Name
Speed & Oil Field Service, Inc.

6. US EPA ID Number

A. Transporter's Phone
805-825-1240

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
Santa Maria Spentary Landfill
2005 E. Main St., Santa Maria, Ca 93454

10. US EPA ID Number

C. Facility's Phone
805-825-0501 x253

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Non-Hazardous Hydrocarbon Impacted Soil (NHIS)

DT

25

TD

b. TICKET #
14456

26.51 T

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Site locations
Aero Casino & Casino Vista
Goleta, Ca

No free liquids

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

GENERATOR'S COPY

GENERATOR

TRANSPORTER

FACILITY

Mail: 110 East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
03/01/04	01/4/16	NHIS-A		Chrysler	
05/30/04	06/30/04	08:45	08:45	65188272	

2004-20 SANTA BARBARA COUNTY

Scale 1 Gross Wt. 73580 LB
 Stored Tare Wt. 31860 LB

Inbound - Charge ticket

QTY	Net Weight	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
20.86	TON	University of CA SB				

operating hours 7AM to 4PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE _____

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1

of

201

3. Generator's Name and Mailing Address

University of California - UCSD
UCSD Office of Design & Construction Bldg 371

Phone # 060404-000

4. Generator's Phone ()

5. Transporter 1 Company Name

Speed's Oil Tank Services Inc

6. US EPA ID Number

A. Transporter's Phone

909-225-1380

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Santa Maria Sanitary Landfill
2005 E. Main St., Santa Maria, Ca 96984

10. US EPA ID Number

C. Facility's Phone:

805-925-0851 x257

11. Waste Shipping Name and Description

12. Containers

No. Type

13. Total Quantity

14. Unit. Wt/Vol

a.

Non-Hazardous Hydrocarbon Impacted Soil (NHIS)

DOT

23

D

b. TICKET #
14416

7086

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Site location:
Aero Camino & Camino Vista
Goleta, Ca

No Free Liquids

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

6 30 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

6 30 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

6 30 04

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

6 30 04

GENERATOR'S COPY

GENERATOR

TRANSPORTER

FACILITY

Mail: 110 East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
03-01-4475	NHIS-A	Chris			
06/30/04	06/30/04	12:07	12:07	6V88272	
REFERENCE					
ORIGIN					
2004-20			SANTA BARBARA COUNTY		

Scale 1 Gross Wt. 89300 LB
 Stored Tare Wt. 31860 LB

Inbound - Charge ticket

QTY.	Net Weight	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
28.72	TON	University of CA SB				

operating hours 7AM to 4PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE _____

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1

of Manifest

206

3. Generator's Name and Mailing Address
University of California - UCSE

UCSB Office of Design & Construction Bldg 373

Phone # 805-435-6000

4. Generator's Phone ()

5. Transporter 1 Company Name
Speed's Oil Tool Service, Inc.

6. US EPA ID Number

A. Transporter's Phone
805-875-1359

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Santa Maria Sanitary Landfill
2045 E. Main St., Santa Maria, Ca 93454

10. US EPA ID Number

C. Facility's Phone

805-925-0951 x253

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
WT/Vol

B. Non-Hazardous Hydrocarbon Impacted Soil (NHIS)

OT

23 TD

b. TICKET #
14475

20 TD T

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Site location:
Aero Camino & Camino Vista
Santa Maria, Ca

No free liquids

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

GENERATOR'S COPY

GENERATOR

TRANSPORTER

FACILITY

Mail: 210 East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
06/30/04	06/30/04	15:26	15:26	GV88272	
REFERENCE		ORIGIN			
2004-20			SANTA BARBARA COUNTY		

Scale 1 Gross Wt. 92300 LB
 Stored Tare Wt. 31860 LB

Inbound - Charge ticket

QTY.	Net Weight	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
30.22	TON	University of CA SB				

Operating hours 7AM to 4PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE _____

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1

of Manifest 213

3. Generator's Name and Mailing Address
University of California - UCSB
UCSB Office of Design & Construction Bldg 071

Profile # 000404-000

4. Generator's Phone ()

5. Transporter 1 Company Name
Speed's Oil Tool Service, Inc.

6. US EPA ID Number

A. Transporter's Phone
805-325-1260

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Santa Maria Sanitary Landfill
2095 E. Main St., Santa Maria, Ca 93454

10. US EPA ID Number

C. Facility's Phone

805-325-0951 x253

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Non-Hazardous Hydrocarbon Impacted Soil (NHHS)

DT

28

D

b. TICKET #
14577

30.72

T

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Site location:
Aero Cantina & Cantina Vista
Goleta, Ca

No free liquids

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

Caro White

6 30 07

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

Sal Vega

6 30 07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

Sal Vega

6 30 07

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

Chris Francalisto

6 30 07

GENERATOR'S COPY

GENERATOR

TRANSPORTER

FACILITY

mail: 110 East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
06/30/04	06/30/04	08:41	08:41	S0R9D08750	
REFERENCE					
2004-20			SANTA BARBARA COUNTY		

Scale 1 Gross Wt. 67120 LB
 Stored Tare Wt. 31300 LB

Inbound - Charge ticket

QTY.	Net Weight	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
17.91	TON	University of CA SB				

Operating hours 7AM to 4PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE _____

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1

of Manifest

223

3. Generator's Name and Mailing Address
University of California - UCSE

UCSB Office of Design & Construction Bldg 371

Profile # 060404-000

4. Generator's Phone ()

5. Transporter 1 Company Name
Speed's Oil Tool Service, Inc.

6. US EPA ID Number

A. Transporter's Phone
805-935-1349

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Santa Maria Secondary Landfill
2065 E. Main St., Santa Maria, Ca 93454

10. US EPA ID Number

C. Facility's Phone

805-922-0881 x259

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Non-Hazardous Hydrocarbon Impacted Soil (NHHS)

07

22

TD

b. TICKET #
14415

17.91

GENERATOR

↓

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Site location:
Aero Camino & Camino Vista
Galata, Ca

No free liquids

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year
6 30 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year
6 30 01

GENERATOR'S COPY

GENERATOR

TRANSPORTER

FACILITY

Mail: 10 East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

Scale 1 Gross Wt. 85020 LB
 Stored Tare Wt. 31300 LB

SITE	TICKET	GRID	WEIGHMASTER
03	014474	NHIS-A	Chris
DATE IN	DATE OUT	TIME IN	TIME OUT
05/30/04	06/30/04	12:05	12:05
REFERENCE			SOP0408750
			ORIGIN
			SANTA BARBARA COUNTY
	2004-20		

Inbound - Charge ticket

QTY	NET WEIGHT	DESCRIPTION	SCALE	RATE	EXTENSION	FEE	TOTAL
26.86	TON	University of CA SB					

NET AMOUNT
TENDERED
CHANGE
CHECK NO

Operating hours 7AM to 4PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type.

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1

of Manifest 207

3. Generator's Name and Mailing Address
University of California - UCSB

UCSB Office of Design & Construction Bldg 371

Profile # 060404-000

4. Generator's Phone ()

5. Transporter 1 Company Name
Speed's Oil Tool Service, Inc.

6. US EPA ID Number

A. Transporter's Phone
805-925-1388

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Santa Maria Sanitary Landfill
2065 E. Main St., Santa Maria, Ca 93454

10. US EPA ID Number

C. Facility's Phone

805-925-4951 x253

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Non-Hazardous Hydrocarbon Impacted Soil (NHIS)

DT

25

D

b. TICKET #
14474

26.86

T

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Site location:
Aero Casino & Casino Vista
Goleta, Ca

pic from website

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

[Signature]

[Signature]

16 7 14

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

[Signature]

[Signature]

16 7 14

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 waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

[Signature]

[Signature]

16 30 14

GENERATOR'S COPY

GENERATOR

TRANSPORTER

FACILITY

Mail: 110 East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
06/30/04	06/30/04	15:29	15:29	S0R9D08750	
REFERENCE				ORIGIN	
2004-20			SANTA BARBARA COUNTY		

Scale 1 Gross Wt. 83380 LB Inbound - Charge ticket
 Stored Tare Wt. 31300 LB

QTY.	Net Weight	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
26.04	TON	University of CA SB				

Operating hours 7AM to 4PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE _____

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1

of Manifest: 212

3. Generator's Name and Mailing Address
University of California - UCSE
UCSB Office of Design & Construction Sldg 371

Public # 000404-000

4. Generator's Phone ()

5. Transporter 1 Company Name
Speed's Oil Tool Service, Inc.

6. US EPA ID Number

A. Transporter's Phone
805-925-1368

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Santa Maria Military Landfill
2065 E. Main St., Santa Maria, Ca 93454

10. US EPA ID Number

C. Facility's Phone

805-925-0951 x253

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Non-Hazardous Hydrocarbon Impacted Soil (NHIS)

DT

23

DT

b. TICKET #
14523

26.04

T

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Site location:
Aero Camino & Camino Vista
Goleta, Ca

No Free Liquids

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

6 20 14

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

6 20 14

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

6 20 14

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

6 20 14

GENERATOR'S COPY

GENERATOR

TRANSPORTER

FACILITY

Mail: 110 East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
06/30/04	06/30/04	08:30	08:30	SP9B85604	
REFERENCE				ORIGIN	
v - 2004-20			SANTA BARBARA COUNTY		

Scale 1 Gross Wt. 80100 LB
 Stored Tare Wt. 31500 LB

Inbound - Charge ticket

QTY.	Net Weight	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
24.30	TON	University of CA SB				

Operating hours 7AM to 4PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE _____

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

University of California - UCSB
UCSB Office of Design & Construction Bldg 371

4. Generator's Phone

5. Transporter 1 Company Name

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Santa Maria Sanitary Landfill
1055 E. Main St., Santa Maria, Ca 93454

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a.

Non-Hazardous Hydrocarbon Impacted Soil (NHIS)

0.7

15 TD

b. TICKET #

14410

24.30 T

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Site location:
Aero Camino & Camino Vista
Goleta, Ca

No free liquids

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

GENERATOR'S COPY

GENERATOR

TRANSPORTER

FACILITY

Mail: 110 East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

SITE	TICKET	GHID	WEIGHMASTER			
03	014465	NHIS-A	Chris			
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF	
06/30/04	06/30/04	11:38	11:38	SP9B85604		
REFERENCE				ORIGIN		
2004-20			SANTA BARBARA COUNTY			

Scale 1 Gross Wt. 83680 LB
 Stored Tare Wt. 31500 LB

Inbound - Charge ticket

QTY	Net Weight	DESCRIPTION LB	RATE	EXTENSION	FEE	TOTAL
26.09	TON	University of CA SB				

operating hours 7AM to 4PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE _____

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1

of Manifest 201

3. Generator's Name and Mailing Address
University of California - UCSD
UCSD Office of Design & Construction Bldg 371

Profile # 1003404-0110

4. Generator's Phone ()

5. Transporter 1 Company Name
Special's Oil Tool Service, Inc

6. US EPA ID Number

A. Transporter's Phone
805-925-1369

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
Santa Maria Sanitary Landfill
2065 E. Main St., Santa Maria, Ca 93454

10. US EPA ID Number

C. Facility's Phone
805-925-0901 x253

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Non-Hazardous Hydrocarbon Impacted Soil (NHIS)

21

23

D

b. TICKET #
11465

26.09

T

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Site location:
Aero Camino & Camino Vista
Golita, Ca

No free liquids

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year
6 30 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
6 30 04

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 waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year
6 30 04

GENERATOR'S COPY

GENERATOR

TRANSPORTER

FACILITY

Mail: 10 East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

99801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

03	014525	NHIS-A	Chris		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
06/30/04	06/30/04	15:03	15:03	SP9B85604	
2003-17 SANTA BARBARA COUNTY					

Scale 1 Gross Wt. 88300 LB Inbound - Charge ticket
 Stored Tare Wt. 31500 LB

QTY.	Net Weight	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
28.40	TON	UNOCAL SHELL 080302-				

Operating hours 7AM to 4PM Monday thru Friday.
 I certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE _____

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1

of Manifest 212

3. Generator's Name and Mailing Address
University of California - UCSE
UCSE Office of Design & Construction Bldg 373

Profile # 060404-010

4. Generator's Phone ()

5. Transporter 1 Company Name
Speed's Oil Tool Service, Inc.

6. US EPA ID Number

A. Transporter's Phone
905-925-1366

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
Santa Maria Sanitary Landfill
3065 E. Main St., Santa Maria, Ca 93404

10. US EPA ID Number

C. Facility's Phone

805-925-0951 x255

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
W/Vol

a. Non-Hazardous Hydrocarbon Impacted Soil (NHHS)

DT

25

D

b. TICKET #
14575

28.40

T

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Site location:
Aero Camino & Camino Vista
Goleta, Ca

No Free Liquids

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

GENERATOR'S COPY

GENERATOR
TRANSPORTER
FACILITY

Mail: 140 East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

2004-20 SANTA BARBARA, CITY OF

Scale 1 Gross Wt. 83580 LB
 Stored Tare Wt. 29700 LB

Inbound - Charge ticket

QTY.	NET WEIGHT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
26.94	TON	University of CA SB				

Operating hours 7AM to 4PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type.

SIGNATURE _____

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

03	014577	NHIS-A	Vehicle
DATE IN	DATE OUT	TIME IN	TIME OUT
07/01/04	07/01/04	09:18	09:18
REFERENCE	ORIGIN		
		4759125	

4258125

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.
XXXXXXXXXXXXXXXXXXXX

Manifest Doc. No.

2. Page 1 of Manifest: 218

3. Generator's Name and Mailing Address
**University of California - UCSB
UCSB Office of Design & Construction Bldg 371**

Profile # 060404-000

4. Generator's Phone ()

5. Transporter 1 Company Name
Speed's Oil Tool Service, Inc.

6. US EPA ID Number
XXXXXXXXXXXXXXXXXXXX

A. Transporter's Phone
805-925-1369

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
**Santa Maria Sanitary Landfill
2065 E. Main St., Santa Maria, Ca 93454**

10. US EPA ID Number

C. Facility's Phone
805-925-0951 x253

11. Waste Shipping Name and Description

12. Containers No. Type 13. Total Quantity 14. Unit Wt/Vol

a. **Non-Hazardous Hydrocarbon Impacted Soil (NHIS)**

DT 23 YD

b.

c.

d.

TIC# 14577

26.94 TON

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

**Site location:
Aero Camino & Camino Vista
Goleta, Ca**

No free liquids

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

Gary Westing

[Signature]

7 31 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

William Beckwith

[Signature]

7 11 04

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 waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

JANINE DUNN

[Signature]

07 01 04

TRANSPORTER #

GENERATOR

TRANSPORTER

FACILITY

Mail: 110 East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

03	014548	NHIS	Janine	ROLL OFF
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE
07/01/04	07/01/04	07:42	07:42	CR01702
REFERENCE		ORIGIN		
2004-20		SANTA BARBARA, CITY OF		

Scale 1 Gross Wt. 86100 LB
 Stored Tare Wt. 29880 LB
 Inbound - Charge ticket

QTY.	NET WEIGHT	DESCRIPTION	UNIT	RATE	EXTENSION	FEE	TOTAL
28.11	TON	University of CA SB					

Operating hours 7AM to 4PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type.

SIGNATURE _____

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

6F81702

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.
XXXXXXXXXXXXXXXXXXXX

Manifest Doc. No. 2. Page 1
of Manifest **215**

3. Generator's Name and Mailing Address
**University of California - UCSB
UCSB Office of Design & Construction Bldg 371**

Profile # **060404-000**

4. Generator's Phone ()

5. Transporter 1 Company Name
Speed's Oil Tool Service, Inc.

6. US EPA ID Number
XXXXXXXXXXXXXXXXXXXX

A. Transporter's Phone
805-925-1369

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
**Santa Maria Sanitary Landfill
2065 E. Main St., Santa Maria, Ca 93454**

10. US EPA ID Number

C. Facility's Phone
805-925-0951 x253

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. **Non-Hazardous Hydrocarbon Impacted Soil (NHIS)**

DT 23 YD

b.

c.

d.

TIC# 14548

28.11 TON

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

**Site location:
Aero Camino & Camino Vista
Goleta, Ca**

No free liquids

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

Sarah Walter

16 30 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

John Fenopler

16 30 09

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

JANINE DUNN

07 01 04

TRANSPORTER #1

GENERATOR

TRANSPORTER

FACILITY

Mail: 110 East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

2004-20 SANTA BARBARA, CITY OF

Scale 1 Gross Wt. 88700 LB
 Stored Tare Wt. 29880 LB

Net Weight 58820 LB

QTY.	NET WEIGHT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
29.41	TON	University of CA SB				

Operating hours 7AM to 4PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type.

SIGNATURE _____

NET AMOUNT
 TENDERED
 CHANGE
 CHECK NO

REFERENCE ORIGIN

03 DATE IN DATE OUT TIME IN TIME OUT JARS VEHICLE ROLL OFF

6F81702

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.
XXXXXXXXXXXXXXXXXXXX

Manifest Doc. No.

2. Page 1 of Manifest **219**

3. Generator's Name and Mailing Address
**University of California - UCSB
UCSB Office of Design & Construction Bldg 371**

Profile # **060404-000**

4. Generator's Phone ()

5. Transporter 1 Company Name
Speed's Oil Tool Service, Inc.

6. US EPA ID Number
XXXXXXXXXXXXXXXXXXXX

A. Transporter's Phone
805-925-1369

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
**Santa Maria Sanitary Landfill
2065 E. Main St., Santa Maria, Ca 93454**

10. US EPA ID Number

C. Facility's Phone
805-925-0951 x253

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total Quantity

14. Unit Wt/Vol

a. **Non-Hazardous Hydrocarbon Impacted Soil (NHIS)**

DT

23 YD

b.

c.

d. **TIC# 14608**

29.41 TON

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
**Site location:
Aero Camino & Camino Vista
Goleta, Ca** **No free liquids**

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name
Gary Winstroy

Signature
Gary Winstroy

Month Day Year
12 01 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
John Kuopka

Signature
John Kuopka

Month Day Year
12 01 04

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 waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
JANINE DUNN

Signature
Janine Dunn

Month Day Year
10 01 04

TRANSPORTER #1

GENERATOR

TRANSPORTER

FACILITY

Mail: 110 East Cook St., RM 9
 Office: #065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

CITY OF SANTA MARIA

2004-20

Inbound - Charge ticket

Scale 1 Gross Wt. 89320 LB
 Stored Tare Wt. 31860 LB

QTY.	Net Weight	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
28.73	TON	University of CA SB				

Operating hours 7AM to 4PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type.

SIGNATURE

03	01-15-79	DATE IN	05/03/04	DATE OUT	08:57	TIME IN	08:57	TIME OUT	Janine	VEHICLE	ROLL OFF
REFERENCE											
ORIGIN											

NET AMOUNT
TENDERED
CHANGE
CHECK NO

6V88272

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.
XXXXXXXXXXXXXXXXXXXX

Manifest Doc. No.

2. Page 1
of Manifest 217

3. Generator's Name and Mailing Address
**University of California - UCSB
UCSB Office of Design & Construction Bldg 371**

Profile # 060404-000

4. Generator's Phone ()

5. Transporter 1 Company Name
Speed's Oil Tool Service, Inc.

6. US EPA ID Number
XXXXXXXXXXXXXXXXXXXX

A. Transporter's Phone
805-925-1369

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
**Santa Maria Sanitary Landfill
2065 E. Main St., Santa Maria, Ca 93454**

10. US EPA ID Number

C. Facility's Phone
805-925-0951 x253

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. **Non-Hazardous Hydrocarbon Impacted Soil (NHIS)**

DT

23 YD

b.

c.

d.

TIC# 14570

28.73 TON

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

**Site location:
Aero Camino & Camino Vista
Goleta, Ca**

No free liquids

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Gloria W...
Gloria W...

Signature

[Signature]

Month Day Year
10 10 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

S...
S...

Signature

[Signature]

Month Day Year
17 11 04

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 waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JANINE DUNN
JANINE DUNN

Signature

[Signature]

Month Day Year
07 10 04

TRANSPORTER #1

GENERATOR

TRANSPORTER

FACILITY

Mail: 110 East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

Scale 1 Gross Wt. 94280 LB
 Stored Tare Wt. 31860 LB

Inbound - Charge ticket

T		C. No.		WEIGHMASTER	
03	014624	WHIS A	J	ROLL OFF	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	
07/01/04	07/01/04	12:45	12:45	5188372	
REFERENCE					ORIGIN
2004-20					SANTA BARBARA, CITY OF
QTY.	NET WEIGHT	DESCRIPTION	RATE	EXTENSION	FEE
31.21	TON	University of CA SB			
Operating hours 7AM to 4PM Monday thru Friday. This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.					NET AMOUNT
					TENDERED
					CHANGE
					CHECK NO.

SIGNATURE _____

6V88272

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.
XXXXXXXXXXXXXXXXXXXX

Manifest Doc. No.

2. Page 1 of Manifest 220

3. Generator's Name and Mailing Address
**University of California - UCSB
UCSB Office of Design & Construction Bldg 371**

Profile # 060404-000

4. Generator's Phone ()

5. Transporter 1 Company Name
Speed's Oil Tool Service, Inc.

6. US EPA ID Number
XXXXXXXXXXXXXXXXXXXX

A. Transporter's Phone
805-925-1369

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
**Santa Maria Sanitary Landfill
2055 E. Main St., Santa Maria, Ca 93454**

10. US EPA ID Number

C. Facility's Phone
805-925-0951 x253

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total Quantity

14. Unit W/Vol

a. **Non-Hazardous Hydrocarbon Impacted Soil (NHIS)**

D T

23 YD

b.

c.

d. TIC# 14424 31.21 Ton

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
**Site location:
Aero Camino & Camino Vista
Goleta, Ca**

No free liquids

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name
Gary W. Wright

Signature
[Signature]

Month Day Year
10 31 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
Sal Vega

Signature
[Signature]

Month Day Year
11 1 04

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 waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
JANINE DUNN

Signature
[Signature]

Month Day Year
10 7 04

TRANSPORTER #1

GENERATOR

TRANSPORTER

FACILITY

Mail: 110 East Cook St., RM 9
 Office: 2025 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

03		014569		NHIS-A		janine	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF		
07/01/04	07/01/04	08.55	08.55	SOR9D0R750		ORIGIN	
REFERENCE							
2004-20		SANTA BARBARA, CITY OF					

Inbound - Charge ticket

Scale 1 Gross Wt. 81820 LB
 Stored Tare Wt. 31300 LB

QTY.	Net Weight	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
25.26	TON	University of CA SB				

Operating hours 7AM to 4PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type.

SIGNATURE _____

NET AMOUNT
TENDERED
CHANGE
CHECKING

SOR9108750

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.
XXXXXXXXXXXXXXXXXXXX

Manifest Doc. No.

2. Page 1 of Manifest **216**

3. Generator's Name and Mailing Address
**University of California - UCSB
UCSB Office of Design & Construction Bldg 371**

Profile # **060404-000**

4. Generator's Phone ()

5. Transporter 1 Company Name
Speed's Oil Tool Service, Inc.

6. US EPA ID Number
XXXXXXXXXXXXXXXXXXXX

A. Transporter's Phone
805-925-1369

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
**Santa Maria Sanitary Landfill
2065 E. Main St., Santa Maria, Ca 93454**

10. US EPA ID Number

C. Facility's Phone
805-925-0951 x253

11. Waste Shipping Name and Description

12. Containers No. Type 13. Total Quantity 14. Unit Wt/Vol

a. **Non-Hazardous Hydrocarbon Impacted Soil (NHIS)**

DT 23 YD

b.

c.

d.

TIC# 114569

2526 TO

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

**Site location:
Aero Camino & Camino Vista
Goleta, Ca**

No free liquids

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Gary Westing

Signature

Month Day Year

06 13 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Karen Son Heung

Signature

Month Day Year

07 30 04

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 waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JANINE DUNN

Signature

Month Day Year

07 01 04

TRANSPORTER #1

GENERATOR

TRANSPORTER

FACILITY

Mail: 115, East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

Scale 1 Gross Wt. 80860 LB
 Stored Tare Wt. 31300 LB

Inbound - Charge ticket

SANTA BARBARA, CITY OF

03	DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
	01/16/03					
REFERENCE						
ORIGIN						

QTY.	NET WEIGHT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
24.78	TON	University of CA SB				

Operating hours 7AM to 4PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type.

SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SOR9D08750

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.
XXXXXXXXXXXXXXXXXXXX

Manifest Doc. No. 2. Page 1 of Manifest 221

3. Generator's Name and Mailing Address
**University of California - UCSB
UCSB Office of Design & Construction Bldg 371**

Profile # 060404-000

4. Generator's Phone ()

5. Transporter 1 Company Name
Speed's Oil Tool Service, Inc.

6. US EPA ID Number
XXXXXXXXXXXXXXXXXXXX

A. Transporter's Phone
805-925-1369

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
**Santa Maria Sanitary Landfill
2065 E. Main St., Santa Maria, Ca 93454**

10. US EPA ID Number

C. Facility's Phone
805-925-0951 x253

11. Waste Shipping Name and Description

12. Containers No. Type 13. Total Quantity 14. Unit Wt/Vol

a. **Non-Hazardous Hydrocarbon Impacted Soil (NHIS)**

D.T. 23 D

b.

c.

d.

TIC# 14623

24.78 TON

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

**Site location:
Aero Camino & Camino Vista
Goleta, Ca**

No free liquids

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

Gary Wintory

[Signature]

17 17 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

Ken Seaborn

[Signature]

10 7 04

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

JANINE DUWU

[Signature]

07 10 04

TRANSPORTER #1

GENERATOR

TRANSPORTER

FACILITY

UNIVERSITY OF CALIFORNIA - SB
 VCSB OFFICE OF DESIGN & CONSTRUCTION
 BLDG. 371
 PROFILE NUMBER - 060104-000

JSE POS
 No 1037

CITY OF SANTA MARIA
 110 E. COOK ST., SANTA MARIA, CA 93454
 (805) 925-0951

CHARGE RECEIPT

TIME	DATE	IDENT.	WEIGHT
4:00	7/7/04		81540 lbs. GROSS
			29500 lbs. TARE
			52040 lbs. NET

26.02 T

TYPE OF MATERIAL: 1. GENERAL 2. INERT 3. HARD TO HANDLE 4. TIRES

TRUCK I.D. 2K30378 SIGNATURE [Signature]

Mail: 110 East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

SITE	TICKET	GRID	WEIGHMASTER
03	014755		
DATE IN	DATE OUT	TIME IN	TIME OUT
07/07/04	07/07/04	14:26	14:26
VEHICLE	VEHICLE	ORIGIN	
Sam	2K30378		
2004-20 SANTA BARBARA COUNTY			

Manual Gross Wt. 81540 LB
 Stored Tare Wt. 29500 LB
 Net Weight 52040 LB

QTY.	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
26.02	TON University of CA SB				
Inbound - Charge ticket					

Operating hours 7AM to 4PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any

RECEIVED
 TENDERED

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No. Manifest Doc. No. 2. Page 1 of 1

3. Generator's Name and Mailing Address
University of California - Davis
UCSD Office of Design & Construction, Ring 371

4. Generator's Phone ()

5. Transporter 1 Company Name
Spartan Oil Tool Services, Inc.

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
Santa Maria Sanitary Landfill
2045 E. Main St., Santa Maria, Ca 93454

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

12. Containers

13. Total Quantity

14. Unit Wt/Vol

a. Non-Hazardous Hydrocarbon Impacted Soil (NHIS)

12. Containers: No. Type

13. Total Quantity: 26.02

14. Unit Wt/Vol: T

b. TICKET #
1037

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Site location:
Auto Center & Service Vista
Solata, Ca

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: GARY L... Signature: [Signature] Month: 6 Day: 20 Year: 2014

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [Name] Signature: [Signature] Month: 6 Day: 20 Year: 2014

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: [Name] Signature: [Signature] Month: . Day: . Year: .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Chris Evangelista Signature: [Signature] Month: 7 Day: 7 Year: 04

GENERATOR

TRANSPORTER

FACILITY

Mail: 110 East Cook St., RM 9
 Office: 2065 East Main Street
 Santa Maria, CA 93454

099801 CentralCoast RemedialResources
 2325 Skyway Drive, Unit H
 Santa Maria CA 93455

SANTA BARBARA COUNTY

2004-20

Inbound - Charge ticket

Scale 1 Gross Wt. 47320 LB
 Stored Tare Wt. 21700 LB

QTY.	NET WEIGHT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
12.81	TON	University of CA SB				

Operating hours 7AM to 4PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type.

SIGNATURE _____

DATE IN	DATE OUT	NET WT	TIME IN	TIME OUT	SAVE VEHICLE	ROLL OFF

REFERENCE

ORIGIN

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

**SMSL NHIS
BILL OF LADING**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

Manifest 225

Profile # 060404-070

3. Generator's Name and Mailing Address

University of California - UCSB
UCSB Office of Design & Construction Bldg 371

4. Generator's Phone

5. Transporter 1 Company Name

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Santa Maria Sanitary Landfill
2065 E. Main St., Santa Maria, Ca 93454

10. US EPA ID Number

C. Facility's Phone

805-925-0951 x253

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Non-hazardous Hydrocarbon Impacted Soil (NHIS)

12 10

b. Weight Ticket # 14756

12.81 Ton

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Site location:
Aero Camino & Camino Vista
Goleta, Ca

No free liquids

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Ernie Walter

Signature

[Signature]

Month Day Year

6.7 0.9 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Ron Seiborn

Signature

[Signature]

Month Day Year

6.7 0.9 04

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 waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

SAM ANGULO

Signature

[Signature]

Month Day Year

7.9 04

GENERATOR

TRANSPORTER

FACILITY

**SOILS MATERIALS REPORT
WILLOW SPRINGS APARTMENTS
NORTHWEST SOIL STOCKPILE
NORTH OF LOS CARNEROS WAY AND CAMINO VISTA
GOLETA, CALIFORNIA**

July 20, 2010

Prepared for

The Towbes Group, Inc.

Prepared by

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July 20, 2010

FILE NO.: SL-15702-SB

Mr. Derek Hansen
The Towbes Group, Inc.
21 East Victoria Street, Suite 200
Santa Barbara, California 93101

PROJECT: WILLOW SPRINGS APARTMENTS
NORTHWEST SOIL STOCKPILE
NORTH OF LOS CARNEROS WAY AND CAMINO VISTA
GOLETA, CALIFORNIA

SUBJECT: Soils Material Report

REF: Proposal for a Soils Material Report, Willow Springs Phase 2 Apartments,
Northwest Soil Stockpile Northeast of Calle Koral and Camino Vista,
Goleta, California, by Earth Systems Pacific, dated May 10, 2010, Doc.
No. 1005-036.PRP

Dear Mr. Hansen:

In accordance with the above-referenced proposal, this soils material report has been prepared for your information concerning the soil stockpile located north of Los Carneros Way and Camino Vista or, northwest of Phase 1 of the Willow Springs Apartment complex. The Willow Springs Apartment complex is southeast of Highway 1/101 and Los Carneros Road in the City of Goleta, California.

We appreciate the opportunity to have provided services for this project and look forward to working with you again in the future. If there are any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Earth Systems Pacific

Doug Dunham
Doug Dunham, P.E., G.E.



Doc. No. 1007-031.SER/ln



TABLE OF CONTENTS

	<i>Page</i>
COVER LETTER	ii
1.0 INTRODUCTION	1
2.0 SCOPE OF SERVICES	1
3.0 SITE SETTING	1
4.0 FIELD INVESTIGATION AND LABORATORY ANALYSIS.....	2
5.0 GENERAL SOIL PROFILE.....	2
6.0 CONCLUSIONS.....	3
Expansion Potential	3
Suitability of Soils for Use as Fill/Backfill.....	3
Stability of Soil During Compaction	4
7.0 CLOSURE	4

Appendices

APPENDIX A	Boring Location Map Boring Log Legend Boring Logs
APPENDIX B	Laboratory Test Results
APPENDIX C	Cross-Sections A-A' and B-B'



1.0 INTRODUCTION

This report is intended to provide the client with information concerning the soils placed in the stockpile located north of Los Carneros Road and Camino Vista (referred to herein as “the site”) within the Willow Springs Apartment complex property. An aerial view of the site (outlined in red) is shown on the Boring Location Map in Appendix A. The Willow Springs Apartment complex is southeast of Highway 1/101 and Los Carneros Road in the City of Goleta, California.

2.0 SCOPE OF SERVICES

The scope of work for the soils material report included a general site reconnaissance, subsurface exploration, laboratory testing of selected soil samples, geotechnical evaluation of the data collected, and preparation of this report. The report is based on information provided by the client.

The test procedures were accomplished in general conformance with the standards noted, as modified by common soils engineering practice in this area under similar conditions at this time. It is our intent that this report be used exclusively by the client for information purposes. Application beyond this intent is strictly at the user's risk. If future property owners wish to use this report, such use will be allowed to the extent the report is applicable, only if the user agrees to be bound by the same contractual conditions as the original client, or contractual conditions that may be applicable at the time of the report use.

3.0 SITE SETTING

This site is located north of the intersection of Los Carneros Way and Camino Vista in the City of Goleta, California. The north end of Camino Vista currently provides access to the site. The area to the southeast of the site is the previously developed Phase 1 of the Willow Springs Apartment complex, the areas to the north and northeast are undeveloped portions of the Willow Springs Apartment complex, and the areas to the south and southwest are undeveloped



properties or dedicated open space. The general area beyond the Willow Springs Apartment complex is developed with commercial properties. A sparse to moderate growth of weeds and brush covers the site. The site is relatively flat to gently sloping with the exception of the moderately steep slopes that surround the soil stockpile. Drainage is by sheet flow.

4.0 FIELD INVESTIGATION AND LABORATORY ANALYSIS

On June 22, 2010, a total of five borings were drilled to an approximate depth of 26.5 below the existing ground surface. The borings were drilled with a Mobile Model B-53 drill rig, equipped with an 8-inch diameter hollow stem auger and an automatic trip hammer for sampling. The approximate locations of the borings are shown on the Boring Location Map.

Soils encountered in the borings were logged and categorized in general accordance with the Unified Soil Classification System and ASTM D 2488-09a. The boring logs can be found in Appendix A. Standard penetration tests were conducted at selected depths in the borings (ASTM D 1586-08a). Bulk soil samples were obtained from the auger cuttings.

Three particle size tests (ASTM D 422-63/07 and D 1140-06) were performed on bulk samples. The same three bulk samples were also tested for the expansion index (ASTM D 4829-08a), an indicator of the potential for the soil to swell when moistened. The laboratory test results are presented in Appendix B.

5.0 GENERAL SUBSURFACE PROFILE

The general subsurface profile encountered in the borings consisted of a surface layer of sand soils overlying clay soils. Both these soil types were in a moist condition. The sands had a loose to dense consistency; the clays were soft to hard. No subsurface water was encountered within the depths explored. Please refer to the boring logs and cross sections for a more complete description of the subsurface conditions.



6.0 CONCLUSIONS

The primary concerns about the soils encountered in the stockpile from a geotechnical viewpoint are the general expansion potential of the soils, the suitability of the soils for use as fill/backfill, and the stability of soils during compaction.

Expansion Potential

Expansion index testing per ASTM D 4829-08a was performed on bulk samples of the sand and clay soils. The sand soils generally possess a low expansion potential and the clay soil have a medium expansion potential. These expansion index values are typical of the soils used to develop Phase 1 of the project.

There will be implications when using these expansive soils to develop future phases of the project. Expansive soils tend to swell with seasonal increases in soil moisture and shrink during the dry season as the soil moisture decreases. The volume changes that the soils undergo in this cyclical pattern can stress and damage concrete slabs and foundations if precautionary measures are not incorporated in design and in the construction procedure. Methods commonly used for slab protection include placement of nonexpansive material beneath slabs, premoistening of subslab soils, or a combination of the two. While premoistening alone can be helpful in *reducing* the effects of expansive soil, this method generally does not (and should not be expected to) provide protection from expansive soil damage to the extent that can be achieved by use of nonexpansive material in conjunction with premoistening. Expansive soil concerns with respect to foundations will be mitigated by increased depth and reinforcement of the foundation elements.

Suitability of Soils for Use as Fill/Backfill

We anticipate that the majority of the soils excavated from the stockpile will be acceptable for reuse as compacted fill/backfill except for the soils described in the next paragraph. However, special requirements for utility trench bedding and shading per the specifications of the City of Goleta, the County of Santa Barbara, the conduit manufacturer, and the utility companies should



be anticipated. Also, special building material requirements may be needed if these soils are determined in the future to be aggressive to concrete and ferrous construction materials.

In the stockpile, we encountered zones of soils that had hydrocarbon odors, debris, and organic material. If soils that are contaminated with any of these conditions are encountered during construction, they are not considered suitable for use as fill/backfill in their current condition. These soils will require evaluation for possible mitigation measures that may render them usable for fill/backfill; however, they may alternatively require removal from the site per applicable local, state, and federal regulations.

Stability of Soil During Compaction

The soils observed in the borings may be susceptible to temporary higher soil moisture conditions when used as fill/backfill, especially during or soon after the rainy season. Attempting to compact these soils in an overly moist condition may promote unstable conditions in the form of pumping, yielding, shearing, and/or rutting. Therefore, future work schedules should anticipate this condition to allow adequate time during construction for aerating and drying the soil back to near optimum moisture content prior to placement as compacted fill/backfill.

7.0 CLOSURE

Our intent was to perform the investigation in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the locality of this project under similar conditions. No representation, warranty, or guarantee is either expressed or implied. This report is intended for the exclusive use by the client as discussed in the "Scope of Services" section of this report. Application beyond the stated intent is strictly at the user's risk.

This report is valid for conditions as they exist at this time for the type of project described herein. The conclusions contained in this report could be rendered invalid, either in whole or in



part, due to changes in building codes, regulations, standards of geotechnical or construction practice, changes in physical conditions, or the broadening of knowledge.

This document, the data, conclusions, and recommendations contained herein are the property of Earth Systems Pacific. This report shall be used in its entirety, with no individual sections reproduced or used out of context. Copies may be made only by Earth Systems Pacific, the client, and the client's authorized agents for use exclusively on the subject project. Any other use is subject to federal copyright laws and the written approval of Earth Systems Pacific.

Thank you for this opportunity to have been of service. If you have any questions, please feel free to contact this office at your convenience.

End of Text



APPENDIX A

Boring Location Map

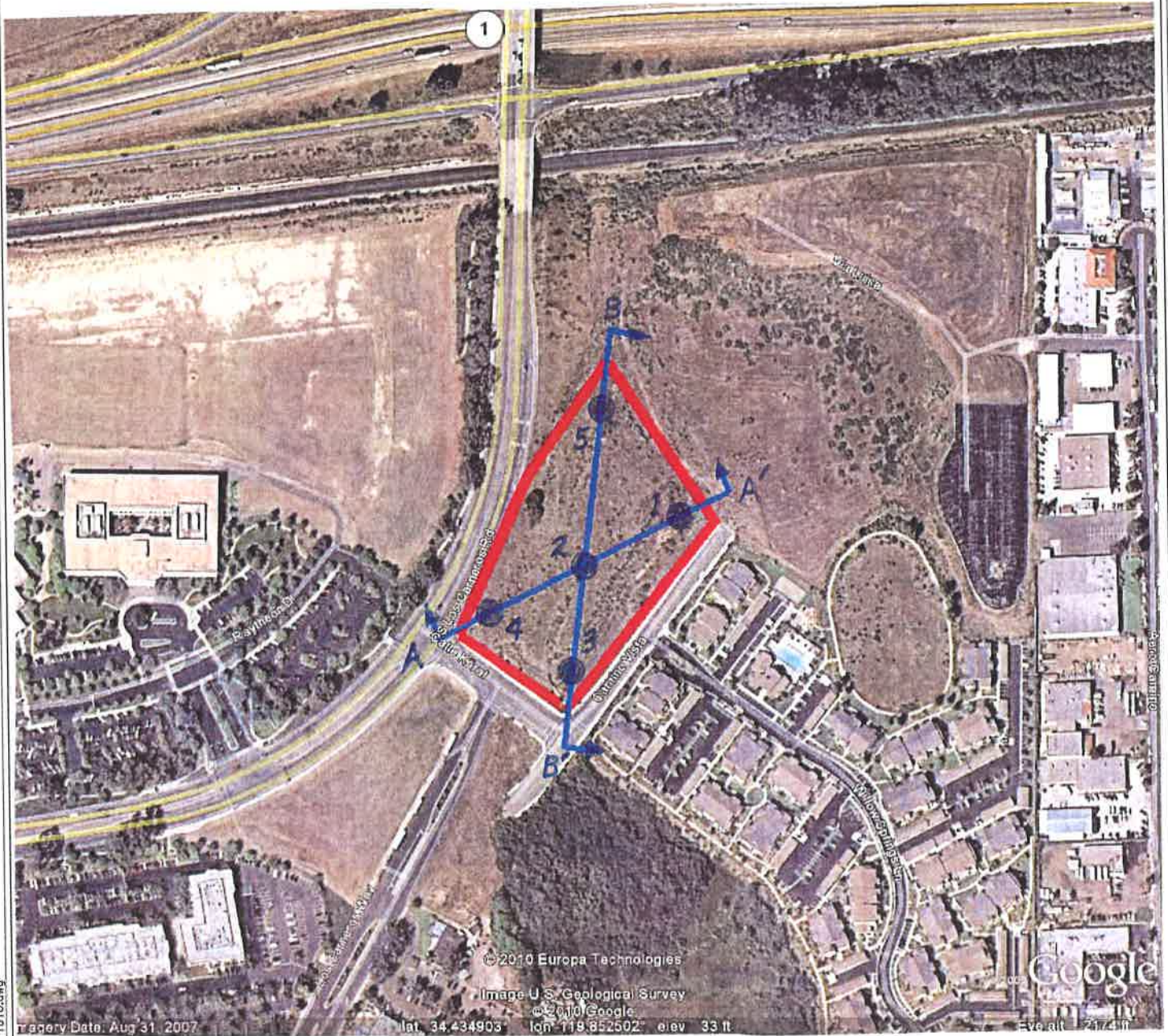
Boring Log Legend

Boring Logs


BORING LOCATION MAP

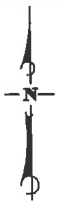
WILLOW SPRINGS APARTMENTS NORTHWEST SOIL STOCKPILE

North of Los Carneros Way and Camino Vista
Goleta, California



LEGEND

5  Boring Location (Approx.)



NOT TO SCALE



Earth Systems Pacific

July 16, 2010

SMK

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Earth Systems Pacific

BORING LOG LEGEND

SOIL CLASSIFICATION SYSTEM

SAMPLE / SUBSURFACE WATER SYMBOLS		GRAPH. SYMBOL	MAJOR DIVISIONS	GROUP SYMBOL	TYPICAL DESCRIPTIONS	GRAPH. SYMBOL	
CALIFORNIA MODIFIED			COARSE GRAINED SOILS MORE THAN HALF OF MATERIAL IS TESTED OR JUDGED TO BE LARGER THAN #200 SIEVE SIZE	GW	WELL GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES		
STANDARD PENETRATION TEST (SPT)				GP	POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES		
SHELBY TUBE				GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES, NON-PLASTIC FINES		
BULK				GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES, PLASTIC FINES		
SUBSURFACE WATER DURING DRILLING				SW	WELL GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES		
SUBSURFACE WATER AFTER DRILLING				SP	POORLY GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES		
				SM	SILTY SANDS, SAND-SILT MIXTURES, NON-PLASTIC FINES		
				SC	CLAYEY SANDS, SAND-CLAY MIXTURES, PLASTIC FINES		
				FINE GRAINED SOILS HALF OR MORE OF MATERIAL IS TESTED OR JUDGED TO BE SMALLER THAN #200 SIEVE SIZE	ML	INORGANIC SILTS AND VERY FINE SANDS, SILTY, CLAYEY FINE SANDS, CLAYEY SILTS WITH SLIGHT PLASTICITY	
					CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS	
			OL		ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY		
			MH		INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY, SILTY SOILS, ELASTIC SILTS		
			CH		INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS		
			OH		ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS		
				PT	PEAT AND OTHER HIGHLY ORGANIC SOILS		

OBSERVED MOISTURE CONDITION

DRY	SLIGHTLY MOIST	MOIST	VERY MOIST	WET
LITTLE/NO MOISTURE	JUDGED BELOW OPTIMUM	JUDGED ABOUT OPTIMUM	JUDGED OVER OPTIMUM	SATURATED

TYPICAL CONSISTENCY

COARSE GRAINED SOILS			FINE GRAINED SOILS		
BLOWS/FOOT		DESCRIPTIVE TERM	BLOWS/FOOT		DESCRIPTIVE TERM
SPT	CA SAMPLER		SPT	CA SAMPLER	
0-10	0-16	LOOSE	0-2	0-3	VERY SOFT
11-30	17-50	MEDIUM DENSE	3-4	4-7	SOFT
31-50	51-83	DENSE	5-8	8-13	MEDIUM STIFF
OVER 50	OVER 83	VERY DENSE	9-15	14-25	STIFF
			16-30	26-50	VERY STIFF
			OVER 30	OVER 50	HARD

GRAIN SIZES

U.S. STANDARD SERIES SIEVE				CLEAR SQUARE SIEVE OPENING			
# 200	# 40	# 10	# 4	3/4"	3"	12"	
SILT & CLAY		SAND		GRAVEL		COBBLES	BOULDERS
	FINE	MEDIUM	COARSE	FINE	COARSE		

TYPICAL ROCK HARDNESS

MAJOR DIVISIONS	TYPICAL DESCRIPTIONS
EXTREMELY HARD	CORE, FRAGMENT, OR EXPOSURE CANNOT BE SCRATCHED WITH KNIFE OR SHARP PICK; CAN ONLY BE CHIPPED WITH REPEATED HEAVY HAMMER BLOWS
VERY HARD	CANNOT BE SCRATCHED WITH KNIFE OR SHARP PICK; CORE OR FRAGMENT BREAKS WITH REPEATED HEAVY HAMMER BLOWS
HARD	CAN BE SCRATCHED WITH KNIFE OR SHARP PICK WITH DIFFICULTY (HEAVY PRESSURE); HEAVY HAMMER BLOW REQUIRED TO BREAK SPECIMEN
MODERATELY HARD	CAN BE GROOVED 1/16 INCH DEEP BY KNIFE OR SHARP PICK WITH MODERATE OR HEAVY PRESSURE; CORE OR FRAGMENT BREAKS WITH LIGHT HAMMER BLOW OR HEAVY MANUAL PRESSURE
SOFT	CAN BE GROOVED OR GOUGED EASILY BY KNIFE OR SHARP PICK WITH LIGHT PRESSURE, CAN BE SCRATCHED WITH FINGERNAIL; BREAKS WITH LIGHT TO MODERATE MANUAL PRESSURE
VERY SOFT	CAN BE READILY INDENTED, GROOVED OR GOUGED WITH FINGERNAIL, OR CARVED WITH KNIFE; BREAKS WITH LIGHT MANUAL PRESSURE

TYPICAL ROCK WEATHERING

MAJOR DIVISIONS	TYPICAL DESCRIPTIONS
FRESH	NO DISCOLORATION, NOT OXIDIZED
SLIGHTLY WEATHERED	DISCOLORATION OR OXIDATION IS LIMITED TO SURFACE OF, OR SHORT DISTANCE FROM; SOME FRACTURES PRESENT; FELDSPAR CRYSTALS ARE DULL
MODERATELY WEATHERED	DISCOLORATION OR OXIDATION EXTENDS FROM FRACTURES, USUALLY THROUGHOUT; Fe-Mg MINERALS ARE "RUSTY"; FELDSPAR CRYSTALS ARE "CLOUDY"
INTENSELY WEATHERED	DISCOLORATION OR OXIDATION THROUGHOUT; FELDSPAR AND Fe-Mg MINERALS ARE ALTERED TO CLAY TO SOME EXTENT OR CHEMICAL ALTERATION PRODUCES IN SITU DISAGGREGATION
DECOMPOSED	DISCOLORATION OR OXIDATION THROUGHOUT, BUT RESISTANT MINERALS SUCH AS QUARTZ MAY BE UNALTERED; FELDSPAR AND Fe-Mg MINERALS ARE COMPLETELY ALTERED TO CLAY



LOGGED BY: R. Wagner
 DRILL RIG: Mobile Drill, Model B-53
 AUGER TYPE: 8" Hollow Stem

JOB NO.: SL-15702-SB
 DATE: 06/22/10

DEPTH (feet)	USCS CLASS	SYMBOL	WILLOW SPRINGS APARTMENTS NORTHWEST SOIL STOCKPILE North of Los Carneros Way and Camino Vista Goleta, California		SAMPLE DATA				
			SOIL DESCRIPTION		INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
0	SC		CLAYEY SAND: brown, medium dense, moist						
1									
2			trace concrete debris						
3									
4			orange brown		5.0-6.5	●			6
5					5-7	○			5
6									8
7									
8									
9									
10			dark brown/brown mottled		10.0-11.5	●			5
11									8
12			dark gray, slight hydrocarbon odor		12-15	○			11
13									
14									15
15					15.0-16.5	●			20
16									40
17	SP		POORLY GRADED SAND: dark green, dense, moist, slight hydrocarbon odor, trace clay						
18									
19	CL		SANDY LEAN CLAY: dark gray, very stiff, moist		18.5-20	○			6
20									8
21			red brown		20.0-21.5	●			11
22									
23									
24	SC		CLAYEY SAND: red brown, medium dense, moist (ALLUVIUM)						18
25			hard		25.0-26.5	●			15
26			End of Boring @ 26.5' No subsurface water encountered.						20

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



LOGGED BY: R. Wagner
 DRILL RIG: Mobile Drill, Model B-53
 AUGER TYPE: 8" Hollow Stem

DEPTH (feet)	USCS CLASS	SYMBOL	WILLOW SPRINGS APARTMENTS NORTHWEST SOIL STOCKPILE North of Los Carneros Way and Camino Vista Goleta, California		SAMPLE DATA					
			SOIL DESCRIPTION		INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.	
0	SC		CLAYEY SAND: brown, medium dense, moist							
1										
2										
3										
4									7	
5						5.0-6.5	●			7
6										9
7										
8										
9										
10										12
11						10.0-11.5	●			15
12					dark gray, slight hydrocarbon odor					18
13										
14										12
15				15.0-16.5	●			18		
16	CH		SANDY FAT CLAY: dark brown/dark gray mottled, hard, moist, trace organics, slight hydrocarbon odor						35	
17										
18										
19										8
20						20.0-21.5	●			12
21					very stiff					12
22										
23										
24										13
25						25.0-26.5	●			16
26	CL		SANDY LEAN CLAY: red brown, hard, moist					20		
			End of Boring @ 26.5' No subsurface water encountered.							

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



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DEPTH (feet)	USCS CLASS	SYMBOL	WILLOW SPRINGS APARTMENTS NORTHWEST SOIL STOCKPILE North of Los Carneros Way and Camino Vista Goleta, California				
			INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
SOIL DESCRIPTION							
0	SC		CLAYEY SAND: brown, medium dense, moist, trace concrete and brick debris				
1							
2							
3							
4	CH		dense increasing clay content				
5			5.0-6.5	●		11	
6						22	
7						25	
8							
9							
10			dark gray, slight hydrocarbon odor				
11	CL		10.0-11.5	●		7	
12						7	
13						11	
14							
15			SANDY FAT CLAY: dark gray, hard, moist, slight hydrocarbon odor				
16	CL		15.0-16.5	●		17	
17						27	
18						34	
19							
20			orange brown/light gray mottled				
21			20.0-21.5	●		14	
22				22			
23				50			
24	CL		25.0-26.5	●		18	
25						19	
26						26	
End of Boring @ 26.5'			No subsurface water encountered.				

LEGEND: Ring Sample Grab Sample Shelby Tube Sample SPT
 NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling.
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 DRILL RIG: Mobile Drill, Model B-53
 AUGER TYPE: 8" Hollow Stem

PAGE 1 OF 1
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 DATE: 06/22/10

DEPTH (feet)	USCS CLASS	SYMBOL	WILLOW SPRINGS APARTMENTS NORTHWEST SOIL STOCKPILE North of Los Carneros Way and Camino Vista Goleta, California	SAMPLE DATA					
				INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.	
SOIL DESCRIPTION									
0	SC		CLAYEY SAND: brown, medium dense, moist, trace debris						
1									
2									
3									
4			red brown	5.0-6.5	●			5	
5								6	
6								5	
7									
8									
9									
10	SP		POORLY GRADED SAND: dark gray, medium dense, moist, trace clay, slight hydrocarbon odor	10.0-11.5	●			9	
11								11	
12									12
13					trace green colored flecks				
14				15.0-16.5	●			27	
15								38	
16									
17									
18	CL		SANDY LEAN CLAY: dark gray, very stiff, moist	18-20	○			5	
19									
20						20.0-21.5	●		8
21					red brown, hard				16
22									
23									
24				25.0-26.5	●			20	
25								22	
26			End of Boring @ 26.5' No subsurface water encountered.					26	

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



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 AUGER TYPE: 8" Hollow Stem

PAGE 1 OF 1
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DEPTH (feet)	USCS CLASS	SYMBOL	WILLOW SPRINGS APARTMENTS NORTHWEST SOIL STOCKPILE North of Los Carneros Way and Camino Vista Goleta, California		SAMPLE DATA													
			SOIL DESCRIPTION		INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.									
0	SC		CLAYEY SAND: brown, loose, moist, trace gravels, trace debris		5.0-6.5	●			2 3 2									
1																		
2																		
3																		
4																		
5																		
6										red brown								
7																		
8																		
9																		
10	CH		SANDY FAT CLAY: dark gray, stiff, moist, trace fine gravel		10.0-11.5	●			4 5 8									
11																		
12										increasing sand content								
13																		
14																		
15										some silt, slight hydrocarbon odor								
16																		
17																		
18																		
19																		
20	CL		SANDY LEAN CLAY: red brown, hard, moist, trace coarse gravel		20.0-21.5	●			4 8 10									
21																		
22																		
23																		
24																		
25										10 24								
26										29								
										End of Boring @ 26.5'								
										No subsurface water encountered.								

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



APPENDIX B

Laboratory Test Results



Willow Springs Apartments
Northwest Soil Stockpile

SL-15702-SB

EXPANSION INDEX TEST RESULTS

ASTM D 4829-08a

BORING NO.	DEPTH feet	EXPANSION INDEX
1	5.0 - 7.0	34
1	18.5 - 20.0	56
4	18.0 - 20.0	52



Willow Springs Apartments
Northwest Soil Stockpile

SL-15702-SB

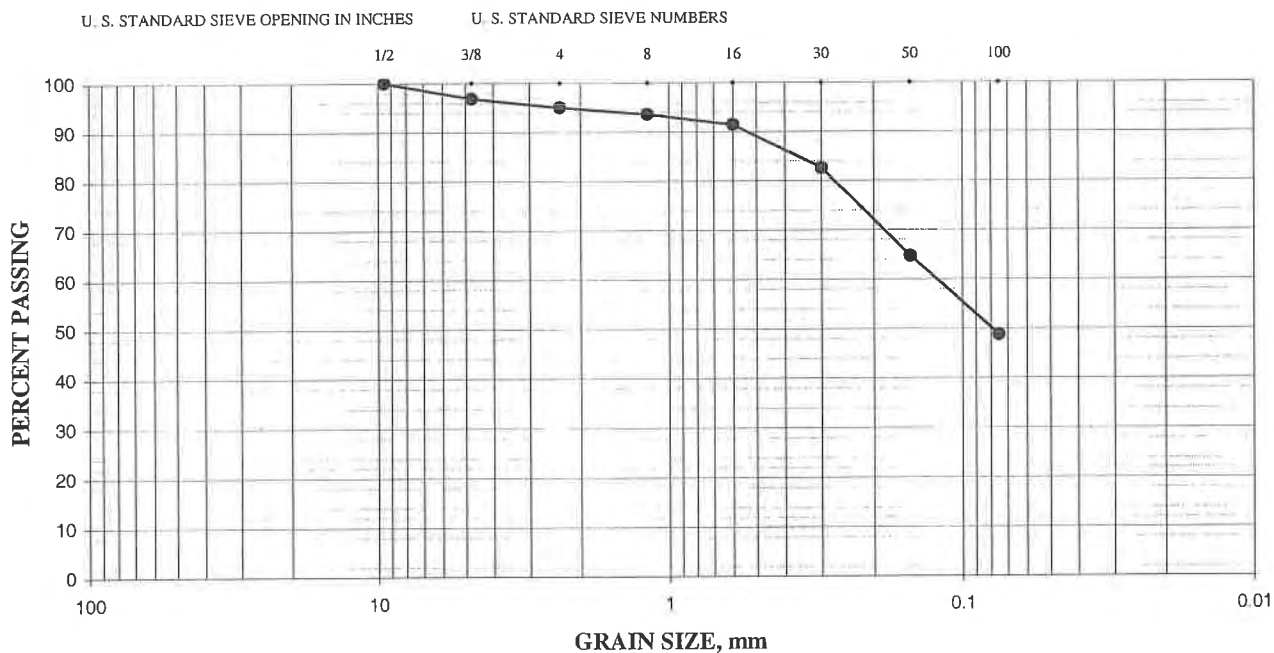
PARTICLE SIZE ANALYSIS

ASTM D 422-63/07; D 1140-06

Boring #1 @ 5.0 - 7.0'
Clayey Sand (SC)

July 12, 2010

<u>Sieve size</u>	<u>% Retained</u>	<u>% Passing</u>
3/8" (9.5-mm)	0	100
#4 (4.75-mm)	3	97
#8 (2.36-mm)	5	95
#16 (1.18-mm)	6	94
#30 (600- μ m)	9	91
#50 (300- μ m)	17	83
#100 (150- μ m)	35	65
#200 (75- μ m)	51	49





Willow Springs Apartments
Northwest Soil Stockpile

SL-15702-SB

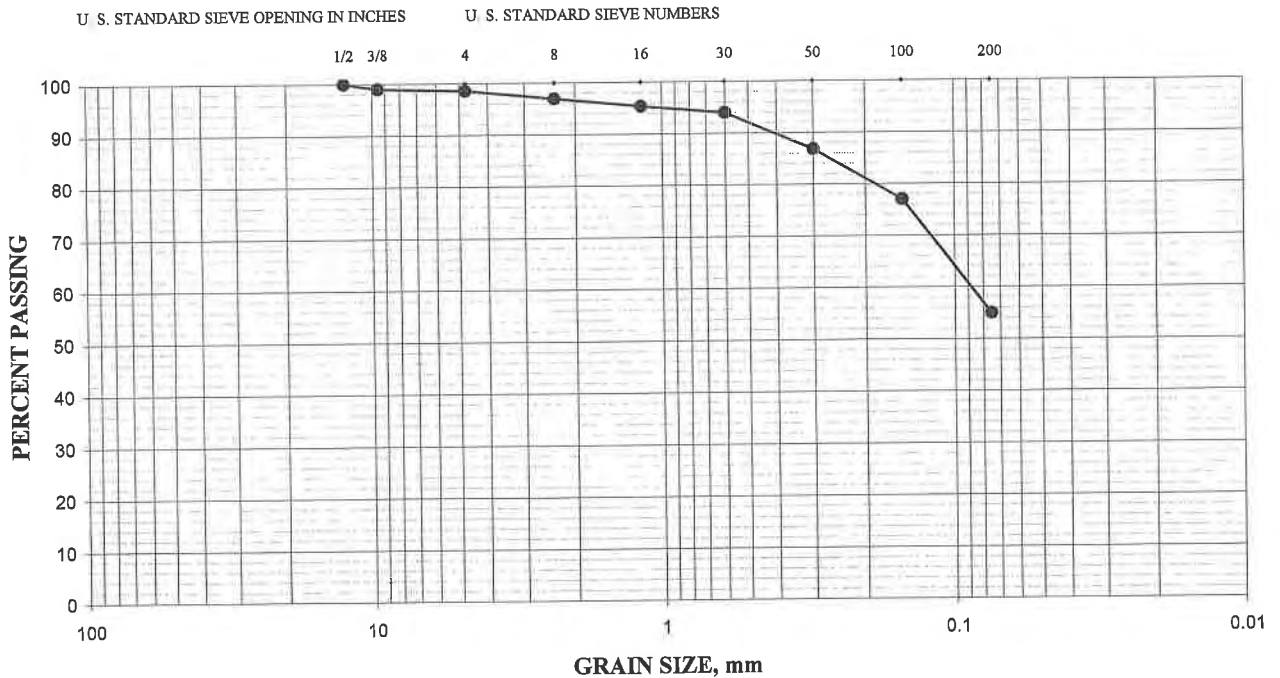
PARTICLE SIZE ANALYSIS

ASTM D 422-63/07; D 1140-06

Boring #1 @ 18.5 - 20.0'
Sandy Lean Clay (CL)

July 12, 2010

<u>Sieve size</u>	<u>% Retained</u>	<u>% Passing</u>
1/2" (12.5-mm)	0	100
3/8" (9.5-mm)	1	99
#4 (4.75-mm)	1	99
#8 (2.36-mm)	3	97
#16 (1.18-mm)	5	95
#30 (600- μ m)	6	94
#50 (300- μ m)	13	87
#100 (150- μ m)	23	77
#200 (75- μ m)	45	55





Willow Springs Apartments
Northwest Soil Stockpile

SL-15702-SB

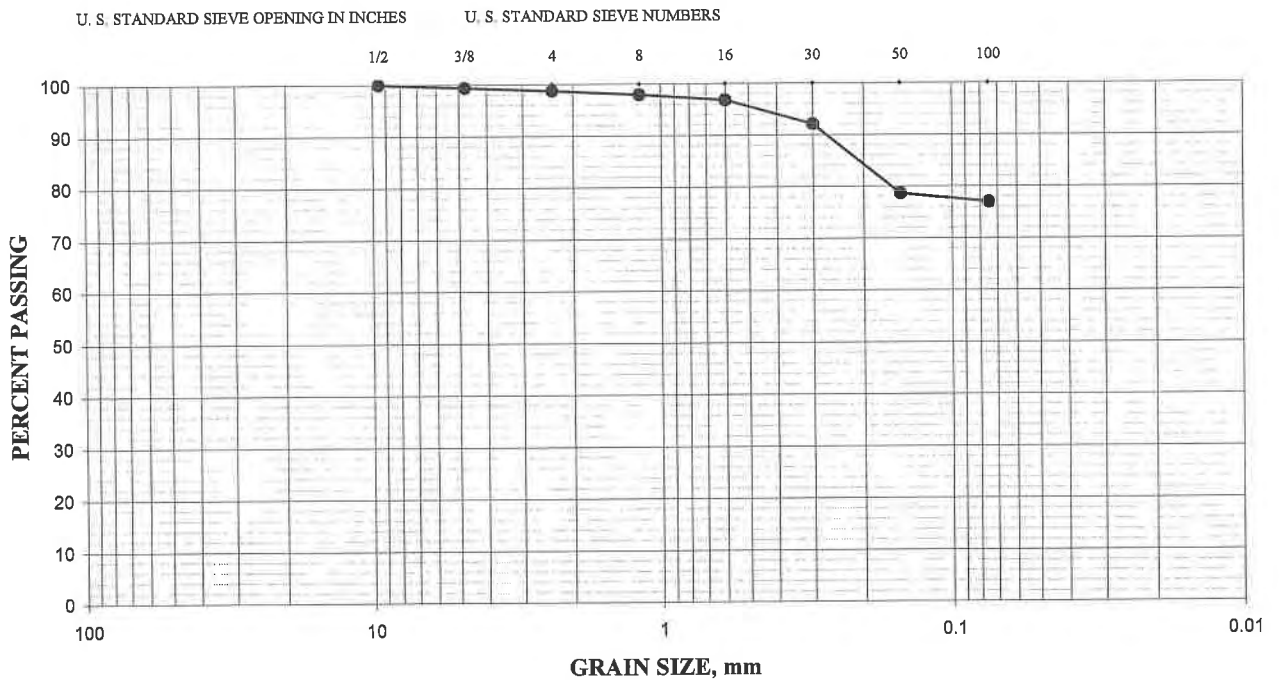
PARTICLE SIZE ANALYSIS

ASTM D 422-63/07; D 1140-06

Boring #4 @ 18.0 - 20.0'
Sandy Lean Clay (CL)

July 12, 2010

<u>Sieve size</u>	<u>% Retained</u>	<u>% Passing</u>
3/8" (9.5-mm)	0	100
#4 (4.75-mm)	1	99
#8 (2.36-mm)	1	99
#16 (1.18-mm)	2	98
#30 (600- μ m)	3	97
#50 (300- μ m)	8	92
#100 (150- μ m)	21	79
#200 (75- μ m)	23	77





APPENDIX C

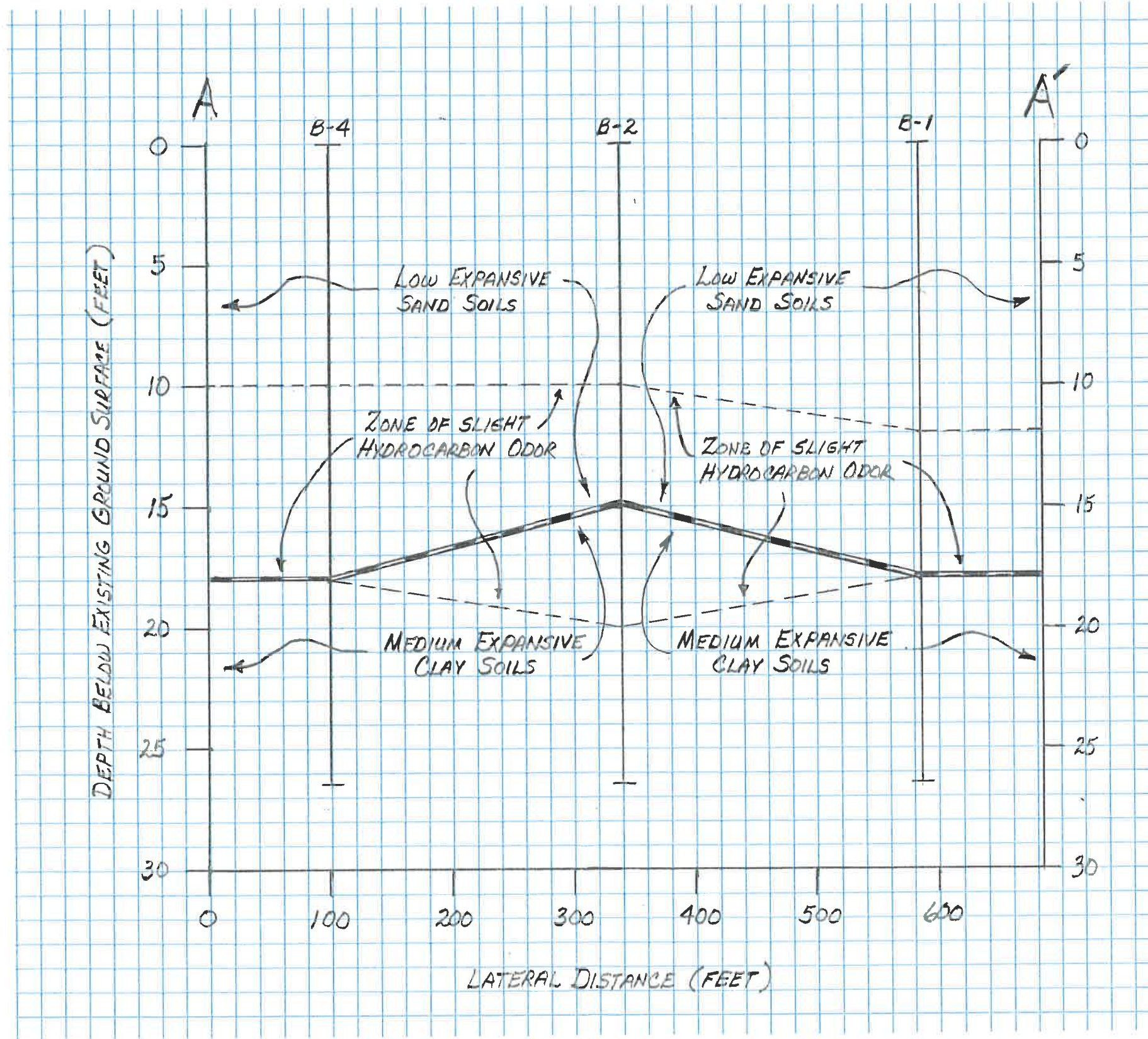
Cross-Sections A-A' and B-B'



APPENDIX C

Cross-Sections A-A' and B-B'

WILLOW SPRINGS APTS NW SOIL STOCKPILE-CROSS SECTION A-A' 7-16-2010.dwg



CROSS SECTION A-A'

WILLOW SPRINGS APARTMENTS
NORTHWEST SOIL STOCKPILE
North of Los Carneros Way and Camino Vista, Goleta, California

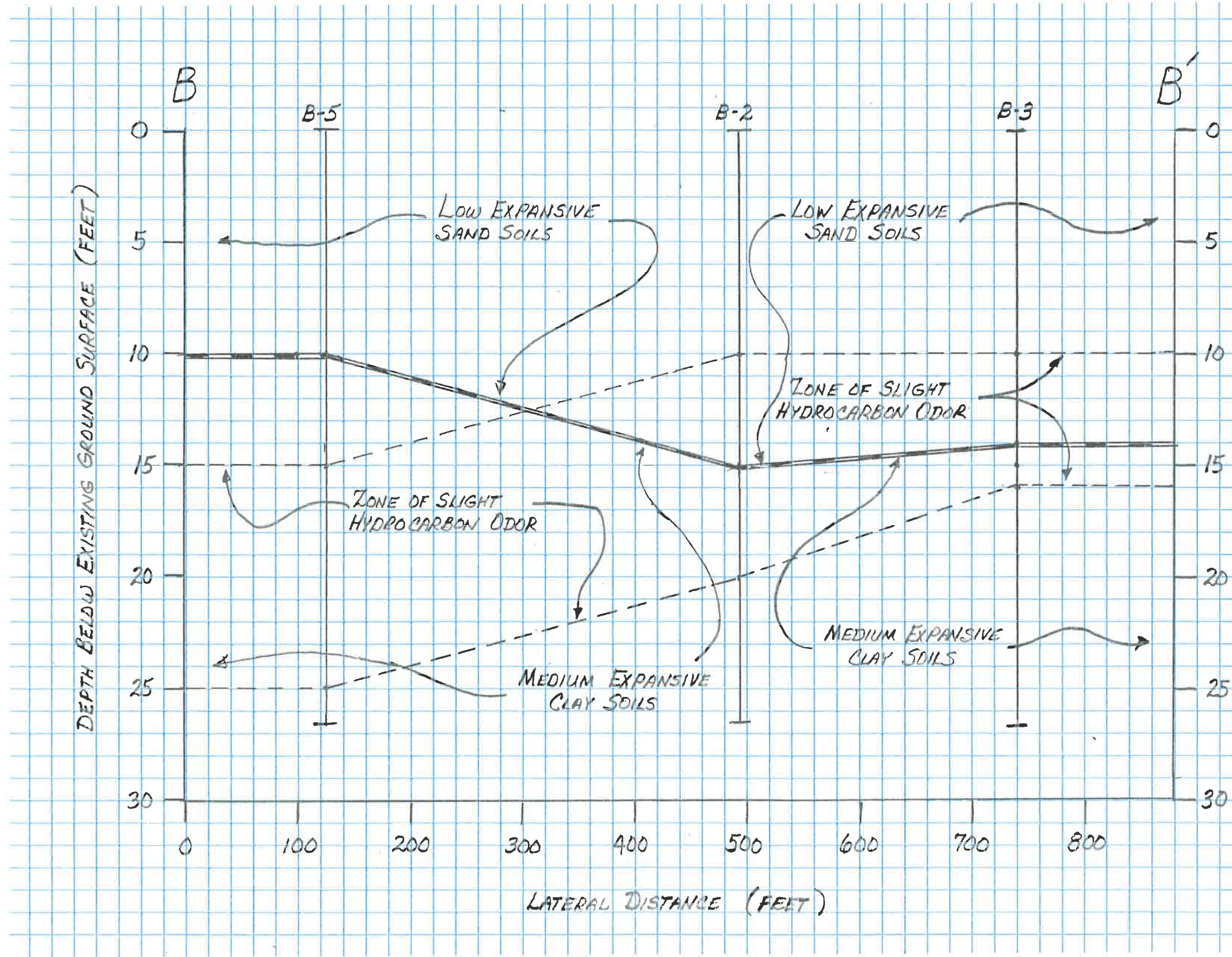


Earth Systems Pacific

July 16, 2010

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SL-15702-SB



CROSS SECTION B-B'

**WILLOW SPRINGS APARTMENTS
NORTHWEST SOIL STOCKPILE**
North of Los Carneros Way and Camino Vista, Goleta, California



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**GEOTECHNICAL ENGINEERING REPORT
HERITAGE RIDGE APARTMENTS
(FORMERLY WILLOW SPRINGS NORTH)
NORTH OF CALLE KORAL AND CAMINO VISTA
GOLETA, CALIFORNIA**

July 8, 2014

Prepared for

The Towbes Group, Inc.

Prepared by

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Santa Maria, California 93454**

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July 8, 2014

FILE NO.: SL-15702-SF

Mr. Craig Minus
The Towbes Group, Inc.
21 East Victoria Street, Suite 200
Santa Barbara, California 93101

PROJECT: HERITAGE RIDGE APARTMENTS (FORMERLY WILLOW SPRINGS NORTH)
NORTH OF CALLE KORAL AND CAMINO VISTA
GOLETA, CALIFORNIA

SUBJECT: Geotechnical Engineering Report

REF: 1) Proposal for a Geotechnical Engineering Report and Percolation Testing,
Willow Springs Phase 3 Apartments, North of Calle Koral and Camino Vista,
Goleta, California, by Earth Systems Pacific, dated February 4, 2014, Doc. No.
1402-005.PRP

2) Change Order for the Willow Springs North Apartments, North of Calle Koral
and Camino Vista, Goleta, California, by Earth Systems Pacific, dated April 24,
2014, Doc. No. 1404-080.CO

Dear Mr. Minus:

In accordance with your authorization of the above-referenced proposal and change order, this geotechnical engineering report has been prepared for use in the development of plans and specifications for the Heritage Ridge Apartments project planned north of Calle Koral and Camino Vista in the City of Goleta, California. Preliminary geotechnical recommendations for site preparation, grading, utility trenches, foundations, retaining walls, slabs-on-grade and exterior flatwork, pavement sections, the swimming pools, drainage and maintenance, and construction observation and testing are presented herein. Also included are the results of the infiltration testing. Two bound copies and an electronic copy of this report are being furnished for your use.



We appreciate the opportunity to have provided services for this project and look forward to working with you again in the future. If there are any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Earth Systems Pacific

Doug Dunham

Doug Dunham, GE
Associate Engineer

Doc. No. 1407-006.SER/ln





TABLE OF CONTENTS

	<i>Page</i>
COVER LETTER.....	ii
1.0 INTRODUCTION.....	1
2.0 SCOPE OF SERVICES.....	2
3.0 SITE SETTING.....	4
4.0 FIELD INVESTIGATION AND LABORATORY ANALYSIS.....	4
5.0 GENERAL SUBSURFACE PROFILE.....	6
6.0 INFILTRATION TEST RESULTS.....	6
7.0 CONCLUSIONS.....	8
8.0 PRELIMINARY GEOTECHNICAL RECOMMENDATIONS.....	14
Definitions.....	14
Site Preparation.....	16
Grading.....	17
Utility Trenches.....	21
Foundations.....	23
Retaining Walls.....	26
Slabs-on-Grade and Exterior Flatwork.....	30
Pavement Sections.....	34
Swimming Pools.....	36
Drainage and Maintenance.....	37
Construction Observation and Testing.....	38
9.0 CLOSURE.....	40
REFERENCES.....	42

Appendices

APPENDIX A	Boring, CPT, and Infiltration Test Location Map Boring Log Legend Boring Logs Graphical CPT Data
APPENDIX B	Laboratory Test Results
APPENDIX C	Corrosion Evaluation Report Prepared by Cerco Analytical
APPENDIX D	Infiltration Test Results
APPENDIX E	Typical Bench and Keyway Detail
APPENDIX F	Typical Detail A: Pipe Placed Parallel to Foundations



1.0 INTRODUCTION

The Heritage Ridge Apartments project (formerly named the Willow Springs North Apartments) will generally consist of constructing nine multi-family residential buildings, two clubhouse buildings and recreation areas with swimming pools, and other associated surface and subsurface improvements. The project is planned for construction on the remaining parcel of land (referred to herein as “the site”) associated with the overall Willow Springs project located north of Calle Koral and Camino Vista in the City of Goleta, California. The site is shown on the Boring, CPT, and Infiltration Test Location Map presented in Appendix A.

The clubhouse and apartment buildings will be one to three stories, will be of wood and steel frame construction, and will utilize Portland cement concrete (PCC) slabs-on-grade. Two swimming pools are planned near the clubhouse buildings, and we have assumed they will be of gunite construction and will have a maximum depth of 5 feet. PCC or masonry retaining walls that we have assumed will not exceed 8 feet in height will also be constructed. For the purposes of this report, maximum line loads of 3 kips per linear foot, and maximum point loads of 50 kips were assumed.

We have assumed surface improvements will consist of hot mix asphalt (HMA) and/or PCC pavement over aggregate base (AB) for vehicles, and PCC flatwork for pedestrians. Low Impact Development (LID) drainage disposal improvements are anticipated; however, LID drainage improvements are not within our scope of work and are not addressed in this report. Subsurface improvements will be the underground municipal utilities that will provide the sewer, water, power, and communication services.



Based on the grading design and the need to remove and recompact the existing stockpile soils, cuts and fills associated with developing the building and surface improvement areas, improving access, and improving drainage are anticipated to be on the order of 10 feet or more. Additionally, an archaeological area with a buffer zone exists in the central portion of the site where special grading techniques will be required.

2.0 SCOPE OF SERVICES

The scope of work for the geotechnical engineering report included a general site reconnaissance, subsurface investigation, infiltration testing, laboratory testing of selected soil samples, geotechnical analysis of data, and preparation of this report. The analysis and subsequent recommendations were based, in part, upon information provided by the client.

This report and preliminary geotechnical recommendations are intended to comply with the considerations of 1803.1 through 1803.6, J104.3 and J104.4 of the California Building Code (CBSC, 2013) and common geotechnical engineering practice in this area under similar conditions at this time. The test procedures were accomplished in general conformance with the standards noted, as modified by common geotechnical engineering practice in this area under similar conditions at this time.

Preliminary geotechnical recommendations for site preparation, grading, utility trenches, foundations, retaining walls, slabs-on-grade and exterior flatwork, pavement sections, the swimming pools, drainage and maintenance, and construction observation and testing are presented to guide the development of project plans and specifications. It is our intent that this report be used exclusively by the client to form the geotechnical basis of the design of the project and in the preparation of plans and specifications. Application beyond this intent is strictly at the user's risk. If future property owners wish to use this report, such use



will be allowed to the extent the report is applicable, only if the user agrees to be bound by the same contractual conditions as the original client, or contractual conditions that may be applicable at the time of the report use.

This report does not address issues in the domain of contractors such as, but not limited to, site safety, loss of volume due to stripping of the site, shrinkage of soils during compaction, dewatering, shoring, temporary slope angles, construction means and methods, etc. Analyses of the areal or site geology, and of the soil for asbestos (either man-made or naturally occurring), radioisotopes, mold or other microbial content, hydrocarbons, lead, or other chemical properties (except for geotechnical corrosivity) are beyond the scope of this report. Ancillary features such as temporary access roads; fences and site work walls; flag and light poles; signage; LID drainage improvements; and nonstructural fills are not within our scope and are also not addressed.

As there may be unresolved geotechnical issues with respect to this project, the geotechnical engineer should be retained to provide consultation as the design progresses, and to review project plans as they near completion to assist in verifying that pertinent geotechnical issues have been addressed and to aid in conformance with the intent of this report. In the event that there are any changes in the nature, design, or location of improvements, or if any assumptions used in the preparation of this report prove to be incorrect, the conclusions and recommendations contained in this report shall not be considered valid unless the changes are reviewed and the conclusions of this report are modified or verified by the geotechnical engineer in writing. The criteria presented in this report are considered preliminary until such time as any peer review or review by any jurisdiction has been completed, conditions are observed by the geotechnical engineer in



the field during construction, and the recommendations have been verified as appropriate or are modified by the geotechnical engineer in writing.

3.0 SITE SETTING

The site is located northeast of Calle Koral and Camino Vista in the northern sector of the City of Goleta, California. Camino Vista provides access to the site. The approximate central site coordinates and elevation from the Google Earth website (Europa Technologies, 2013) are latitude 34.436 degrees north, longitude 119.852 degrees west, and 28 feet.

Los Carneros Road forms the westerly boundary, the Union Pacific Railroad (UPRR) easement is the northerly boundary, a commercial development is the easterly boundary, and Camino Vista and Calle Koral form the southerly boundary. The general surrounding areas are as follows. The area to the south is the previously developed Willow Springs Phases 1 and 2 Apartment projects, the area to the east is commercially developed, the area to the west is a combination of a commercial development and an undeveloped parcel of land, and the area to the north is the UPRR and Highway 101 easements.

A very sparse to moderate growth of weeds and brush covers the site. The site is relatively flat to gently sloping with the exception of the moderately steep slopes that surround the stockpile soils that were previously placed along the perimeter of the archeological area and the property lines. Drainage is by sheet flow.

4.0 FIELD INVESTIGATION AND LABORATORY ANALYSIS

On February 25, 26, and April 30, 2014, twenty borings were drilled at the site to depths ranging from approximately 3 to 51.5 feet below the existing ground surface. Eleven of the borings (Borings 1 through 11) were drilled for exploration and sample acquisition purposes,



and the other nine (Infiltration Test Nos. A through I) were drilled for infiltration testing. The borings were drilled with a Mobile Model B-53 drill rig equipped with a six inch (for the exploratory borings), or an eight inch (for infiltration test borings) outside diameter hollow stem auger. The drill rig also has an automatic trip hammer for sampling. On May 21, 2014, six cone penetrometer test (CPT) soundings were also performed at the site. The CPT soundings were advanced to depths ranging from approximately 18.5 to 60 feet below the existing ground surface. The approximate locations of all of the borings and CPT soundings are shown on the Boring, CPT, and Infiltration Test Location Map presented in Appendix A.

Soils encountered in the exploratory borings were logged and categorized in general accordance with the Unified Soil Classification System and ASTM D 2488-09a. Copies of the exploratory boring logs can be found in Appendix A. The CPT soundings were conducted in general accordance with ASTM D 5778-95 and D 3441-94 using an electric cone penetrometer. Copies of the graphical CPT data can also be found in Appendix A.

Soil samples were taken using a ring-lined barrel sampler (ASTM D 3550-01/07, with shoe similar to D 2937-04) and Standard Penetration Tests (SPT) were conducted at selected depths in the exploratory borings per ASTM D 1586-11. Bulk soil samples were also obtained from the exploratory boring auger cuttings.

Ring samples were tested for unit weight and moisture (ASTM D 2937-10, as modified for ring liners). Two bulk samples were tested for maximum density and optimum moisture (ASTM D 1557-12), and direct shear tests (ASTM D 3080/D 3080M-11) were conducted on the same bulk samples after they were remolded to approximately 90 percent of maximum dry density. Two one dimensional consolidation tests (ASTM D 2435/D 2435M-11) were performed on ring samples. Two bulk samples were also sent to Cerco Analytical of



Concord, California for use in preparing a corrosion evaluation report. The evaluation and associated chemical test results are for use by the architect/engineer in determining appropriate corrosion mitigation measures. The laboratory test results and the corrosion evaluation report prepared by Cerco Analytical are presented in Appendices B and C, respectively.

5.0 GENERAL SUBSURFACE PROFILE

The general subsurface profile observed in the exploratory borings and CPT soundings consisted of fill soils overlying alluvial soils. The fill soils were sands in a slightly moist to moist condition with a loose to medium dense consistency. The underlying alluvium was generally moist to wet layered sand, silt, and clay soils. The sands were loose to very dense, and the clays were very soft to hard. Fine to coarse gravel was also observed within the fill and alluvial soils. Three of the six CPT soundings were terminated short of their respective target depths due to practical penetration refusal in very dense layers of alluvial sands. Subsurface water was encountered at approximate depths ranging from 22.5 to 38 feet below the existing ground surface in exploratory Borings 6 through 11. Please refer to the exploratory boring logs and the graphical CPT data for a more complete description of the subsurface conditions.

6.0 INFILTRATION TEST RESULTS

Infiltration testing was performed to assist the architect/engineer in determining the potential for utilizing LID drainage improvements at the site. The infiltration testing was performed in the three areas designated by the architect/engineer. It consisted of drilling three 8-inch diameter borings to approximate depths of 3, 6, and 9 feet below the existing ground surface in each area. A 2-inch diameter perforated polyvinyl chloride (PVC) pipe



was installed in the center of each of the three borings. The bottom 2 inches of the borings and the annular spaces around the outside of the PVC pipes were filled with gravel to reduce caving of the areas to be tested. The constructed infiltration test borings were then completely filled with clear water and allowed to presaturate overnight.

The next day, the 3, 6, and 9 foot deep infiltration test borings were again refilled with clear water to approximate heights of 1-foot. The falling head rate of infiltration was then measured and recorded over a period of 4 hours. In the case where the infiltration rate was relatively fast, clear water was added to continue the infiltration measurements over the 4 hour period of time. The infiltration test results are presented in Appendix D.

The tests only indicate the infiltration rate at the specific location and under specific conditions. Sound engineering judgment should be exercised in extrapolating the tests results for other conditions or locations. Technical design references vary in the methods they present when using these types of test results. However, most references include reduction and/or correction factors for several parameters including, but not limited to, size of infiltration system relative to the test volume, number of tests conducted, variability in the soil profile, anticipated silt loading, anticipated biological buildup, anticipated long term maintenance, and other factors. Typically, in aggregate these factors range from about 2.5 to 50 depending on the method used. The final determination of the means by which these data are used is left to the architect/engineer.

In many cases, native soils will infiltrate water much faster than the same soil placed as compacted fill. It would be prudent to consider performing additional infiltration testing in the LID drainage improvement areas after they have been constructed.



7.0 CONCLUSIONS

In our opinion, the site is suitable, from a geotechnical engineering standpoint, for the planned development as described in the "Introduction" section of this report, provided the recommendations contained herein are implemented in the design and construction. This opinion does not extend to the suitability of the site for LID drainage improvements as this is the responsibility of other engineers. Assuming the site is prepared in accordance with the "Preliminary Geotechnical Recommendations" section of this report, shallow foundation systems may be used to support the planned structures.

The primary geotechnical engineering issues at this site are the existing stockpile soils, grading in the archeological area, the potential for the potential for settlement, the expansive soils, the excavation characteristics of the soils, the suitability of the soils for use as fill and backfill, the stability of the soils during grading, the corrosive nature of the soils, the erodible nature of the soils, the potential for liquefaction and seismically induced settlement, and the type shallow foundation systems that should be used.

Stockpile Soils

Fairly well defined areas of stockpiled soils were previously placed over most of the site for use on this project. The stockpile soils, or any other previously placed fill soils that may exist at the site, should be completely removed and placed during grading operations as moisture conditioned compacted fill soils.

Grading in the Archeological Area

An archaeological area with a 50-foot buffer zone exists in the central portion of the site as shown on the Boring, CPT, and Infiltration Test Location Map. Special grading techniques will need to be implemented to minimize the impact of site development there. In lieu of



the normal soil disturbance that would occur during mass grading of the native soils under the building and the surface improvement areas, the placement of a triaxial geogrid on the surface of the native soils after removing the vegetation and the stockpile soils is planned prior to placing the compacted fills to develop final grades. This geogrid is intended to reduce the potential for settlement in the archaeological area and buffer zone area only; normal mass grading techniques will need to be used in all other building and surface improvements areas of the site. Recommendations for the archaeological area and buffer zone are presented in the "Site Preparation" and "Grading" sections of this report.

Settlement

Settlement (total and differential) can occur when foundations and surface improvements span materials having variable consolidation characteristics, such as the soils on this site with variable in situ moisture and density. Such a situation could stress and possibly damage foundations and surface improvements, often resulting in severe cracks and displacement. To reduce this potential, it is necessary for all foundations and surface improvements to bear in material that is as uniform as practicable. Outside of the archaeological area and 50-foot buffer zone, a program of overexcavation, scarification, moisture conditioning, and compaction of the upper soils in the building and surface improvement areas is recommended to provide more uniform soil moisture and density, and to provide appropriate support. To reduce this potential for settlement within the archaeological area, see the previous paragraph.

Expansive Soils

Previous expansion index testing of the clay soils produced values that place these soils in the "medium" expansion category per ASTM D 4829-11. Expansive soils tend to swell with seasonal increases in soil moisture and shrink during the dry season as soil moisture



decreases. The volume changes that the soils undergo in this cyclical pattern can stress and damage slabs and foundations if precautionary measures are not incorporated in design and in the construction procedure.

Methods commonly used for slab protection include placement of nonexpansive material beneath slabs, premoistening of subslab soils, or a combination of the two. While premoistening alone can be helpful in *reducing* the effects of expansive soil, this method generally does not (and should not be expected to) provide protection from expansive soil damage to the extent that can be achieved by use of nonexpansive material in conjunction with premoistening. Due to the expansive nature of the clay soils and subsequent likelihood that differential expansion and subsequent cracking of slabs would occur if premoistening were used by itself, it is not recommended as the only means of expansive soil mitigation. Use of nonexpansive imported soil materials beneath slabs, in combination with premoistening, will result in more uniform slab support conditions with less tendency for heave and random cracking. Expansive soil concerns with respect to foundations will be mitigated by increased depth and reinforcement of conventional foundation elements, or by using rigid mat foundation systems.

Expansive soils can also be damaging to the HMA and curbs that separate it from LID drainage improvements such as bioswales, infiltration basins, etc. This is due to the large variations in soil moisture contents that occur in the LID infiltration areas from season to season. Deepening curbs in these areas is recommended in the "Pavement Sections" part of this report.



Excavation Characteristics

The soils are anticipated to be excavatable with conventional earthmoving equipment; however, the stability of excavations is a concern. Additionally, gravel was noted within the fill and alluvial soils. Based on our preliminary testing, the soils are considered to be "Type C" per the 2007 Cal/OSHA classification system. This classification should be verified by the contractor's "Competent Person" at the time of construction. Excavation sloping and shoring will be needed to safely work in, and to restrict the size of, the excavations, and reduce the potential for falling rock hazards. As with all construction safety issues, the methods of excavation stabilization, sloping, and/or shoring are ultimately the responsibility of the contractor.

Suitability of the Soils for Use as Fill and Backfill

We anticipate that the majority, if not all, of the soils excavated at the site will be acceptable from a geotechnical viewpoint for reuse as compacted fill and backfill. However, special requirements for utility trench bedding and shading per the specifications of the City of Goleta, the conduit manufacturer, and the utility companies should be anticipated. Also in localized areas within the stockpile soils, we encountered a relatively small amount of soils that may have possible hydrocarbon odors (noted during a previous stockpile evaluation), or that contained debris and organic material. If soils that are contaminated with any of these conditions are encountered during construction, they are not considered suitable for use as fill and backfill in their current condition. These soils will require evaluation for possible mitigation measures that may render them usable for use as fill and backfill; however, they may alternatively require removal from the site per applicable local, state, and federal regulations.



Stability of Soil During Grading

The soils may be susceptible to temporary high soil moisture contents, especially during or soon after the rainy season. Attempting to compact the soils in an overly moist condition may create unstable conditions in the form of pumping, yielding, shearing, and/or rutting. These conditions will not allow proper compaction and are inappropriate for continued fill placement. Therefore, the construction schedule should allow adequate time during grading for aerating and drying the soils to near optimum moisture content prior to compaction. If unstable conditions occur, the geotechnical engineer should be consulted to provide recommendations for correction of the conditions.

Corrosive Soils

Based on the testing performed by Cerco Analytical, the upper site soils were classified as “moderately corrosive to corrosive” to certain construction materials that will be in contact with the soils. The architect/engineer should refer to the Cerco Analytical report presented in Appendix C for use in determining appropriate mitigation measures for soil corrosivity.

Soil Erosion

The site soils are considered to be highly erodible. Stabilization of surface soils, particularly those disturbed during construction, by vegetation or other means *during* and *following* construction is essential to reduce the potential of erosion damage. Care should be taken to establish and maintain proper drainage around the structures and improvements.

Liquefaction and Seismically Induced Settlement

Liquefaction is the loss of soil strength caused by a significant seismic event. It occurs primarily in loose, fine to medium-grained sands, and in very soft to medium stiff silts that are saturated by groundwater. During a major earthquake, the saturated sands and silts



tend to compress and decrease in volume. If drainage does not occur rapidly, the pore water pressure builds up in the soils causing them to lose their strength and transition to a liquefied state.

In order to estimate the potential for liquefaction and its effects on the site, we analyzed the boring and CPT data and utilized methods suggested by the Guidelines for Evaluating and Mitigating Seismic Hazards in California, Special Publication 117a (CDMG, 2008). Using the peak ground acceleration (PGA_M) of 1.15g (USGS, 2013) and groundwater depths that considered final grade elevations, the analysis confirmed there is a potential for liquefaction to occur at the site. It appears that liquefaction would occur in some layers of the saturated alluvial soils. If liquefaction were to occur at the site, the repercussions would likely be in the form of dynamic settlement; loss of soil bearing and lateral spreading are not anticipated. This is due to the relative thickness or depth of the overlying non-liquefiable soils and the site's relatively flat topography.

As part of our liquefaction analysis, we also found there is a potential for seismically induced settlement of dry soil to occur at the site. The highest magnitude of seismically induced settlement appears to occur in localized areas in the upper portion of some of the alluvial soils. Provided the site is graded per the recommendations presented in the "Grading" section of this report, the alluvial soils most prone to seismically induced settlement will be removed and replaced as compacted fill.

Based on our analyses, we have estimated that the combined magnitude of both liquefaction and seismically induced settlement would be less than 4 inches; the magnitude of differential settlement is estimated to be less than 2 inches. It is therefore our opinion that no special measures with respect to liquefaction and seismically induced settlement



are considered necessary for this project provided the site can be graded to the recommendations in the "Grading" section of this report. If the portions of the site cannot be graded to those recommendations, rigid mat foundations should be used in lieu of conventional foundation systems as described in the next paragraph.

Shallow Foundation Types

Where remedial grading operations within any building area are terminated short of the recommended removal widths and depths to avoid soil disturbance within the archaeological area and buffer zone, there is a potential for an increase in the magnitude of the static and seismic settlement (total and differential) to occur. To accommodate this increase in settlement, the shallow foundation systems within these building areas should consist of rigid mat foundations, not conventional foundations. In addition, the entire building area should also be underlain with the same triaxial geogrid planned for use in the archeological area and buffer zone.

8.0 PRELIMINARY GEOTECHNICAL RECOMMENDATIONS

The following recommendations are applicable to the structures and improvements as described in the "Introduction" section of this report. If subterranean rooms, basements, cellars, stacked retaining walls, or other such features are incorporated into site development, the geotechnical engineer should be contacted for individual assessment.

Definitions

Unless otherwise noted, the following definitions are used in the following recommendations. Where specific terms are not defined, common definitions used in the construction industry are intended.



- **Grading Area:** The entire site area to be graded including all the building and surface improvement areas, and the areas where LID drainage improvements are planned.
- **Archeological Area:** The area within the archeological area and including the 50 foot archeological area buffer zone.
- **Building Area:** The area within and extending a minimum of 5 feet beyond the perimeter of the foundations for a structure. The building area also includes the foundation areas (plus 5 feet to each side) of any ancillary structure that will be rigidly attached to the main structure and is expected to perform in the same manner as the main structure. Such structures could include covered walkways, covered work areas, patio covers, arbors, etc.
- **Surface Improvement Area:** The area within and extending a minimum of 2 feet beyond the perimeter of the surface improvement.
- **Scarified:** Ripping the exposed soil surface in two orthogonal directions to a minimum depth of 12 inches.
- **Moisture Conditioning:** Adjusting the soil moisture to optimum moisture content or slightly above, prior to the application of compaction effort.
- **Compacted or Recompacted:** Soils placed in level lifts not exceeding 8 inches in loose thickness, and compacted to a minimum of 90 percent of maximum dry density. The standard tests used to define maximum dry density and field density



should be ASTM D 1557-12 and ASTM D 6938-10, respectively, or other methods acceptable to the geotechnical engineer and the governing jurisdiction.

Site Preparation

The Areas Outside of the Archaeological Area

1. The existing ground surface in the grading area outside of the archaeological area should be prepared for construction by removing existing structures, improvements, vegetation, tree stumps, large roots, debris, and other deleterious material. *All existing fill soils should be completely removed and replaced as compacted fill.* Any existing utilities that will not be serving the site should be removed or properly abandoned. The appropriate method of utility abandonment will depend upon the type and depth of the utility. Recommendations for abandonment can be made as necessary.
2. Voids created by the removal of materials or utilities, and extending below the recommended overexcavation depth, should be immediately called to the attention of the geotechnical engineer. No fill should be placed unless the geotechnical engineer has observed the underlying soil.

The Areas Inside of the Archaeological Area

3. The existing ground surface in the grading area inside of the archaeological area should be prepared for construction by removing the stockpile soils and all other existing fill soils down to the native soil surface. Then all vegetation, debris, and other deleterious material should be removed from the native soil surface. Per the City of Goleta, all vegetation should be removed by hand (which can include brushing, raking, or the use of a power blower) from the native soil surface. All



vegetation shall be removed to the degree practicable at the ground surface such that no soil disturbance occurs. The remnants of the vegetation should then be sprayed with topical herbicide per manufacturer's specifications approximately 60 days prior to implementing grading operations. The root ball masses shall be left in place to die. Any existing utilities that will not be serving the site should be removed or properly abandoned. The appropriate method of utility abandonment will depend upon the type and depth of the utility. Recommendations for abandonment can be made as necessary.

Grading

The Areas Outside of the Archaeological Area

1. Following site preparation, the soils in the building area should be removed to a level plane at a minimum depth of 3 to 8 feet below the bottom of the deepest footing or 3 to 8 feet below existing grade, *whichever is deeper*, as recommended by the geotechnical engineer in the field. During construction, locally deeper removals may also be recommended based on field conditions. The resulting soil surface should then be scarified, moisture conditioned, and compacted prior to placing any fill soil.
2. Following site preparation, the soils in the surface improvement area should be removed to a level plane at a minimum depth of 1-foot below the proposed subgrade elevation or 2 feet below the existing ground surface, *whichever is deeper*. During construction, locally deeper removals may be recommended based on field conditions. The resulting soil surface should then be scarified, moisture conditioned, and compacted prior to placing any fill soil.



3. Following site preparation, the soils in the fill areas beyond the building and surface improvement areas should be removed to a depth of 2 feet below the existing ground surface. During construction, locally deeper removals may be recommended based on field conditions. The resulting soil surface should then be scarified, moisture conditioned, and compacted prior to placing any fill soil.
4. Voids created by dislodging cobbles and/or debris during scarification should be backfilled and compacted, and the dislodged materials should be removed from the area of work.

The Areas Inside of the Archaeological Area

5. Surface vegetation removal and herbicide application must be accomplished 60 days prior to the geogrid placement. No remedial grading or scarification shall occur prior to placement of the geogrid; however, it is acceptable to place import sand on the native soil surface where uneven areas or undulations exist to create as level a surface as practicable to place the geogrid on. Creating level areas to place the geogrid on improves both the constructability and the performance of the geogrid system.
6. Following site preparation and placement of the leveling import sand, the native soil surface in the grading area inside the archaeological area should be covered with a tri-axial geogrid such as Tensar TX 7, or an approved equivalent. The geogrid should be anchored and/or overlapped as recommended by the manufacturer prior to placing any fill soil.



7. The first 6 inches of fill placed on top of the geogrid shall be an imported sand material reviewed and approved by the City of Goleta to provide a visual indication to avoid impeding into the native soils.
8. Fill soils shall be placed and spread from the outside to the inside of the archeological area with track earthmoving equipment such that the equipment shall only be working on the top of the fill soils. The fill soils shall be placed such that the earthmoving equipment does not come into contact with the archeological area native soils or the geogrid.

Grading, General

9. On-site material and approved import materials may be used as general fill and up to 18 inches below the bottom of the slab-on-grade elevation within the building area where conventional foundations will be used. On-site material and approved import materials may be used as general fill up to pad grade where rigid mat foundations will be used. All fill soils should be moisture conditioned and compacted.
10. A minimum of 18 inches of nonexpansive material when measured from the bottom of the conventional foundation slabs-on-grade should be placed in the building area. The non-expansive material is not required where rigid mat foundations are used. Nonexpansive material is defined as being coarse grained (ASTM D 2487-11), and having an expansion index of 10 or less (ASTM D 4829-11). The 4-inch sand cushion (discussed later in the "Slabs-on-Grade and Exterior Flatwork" section of this report) is part of this 18-inch thickness of nonexpansive material, not in addition to it. Prior to placement of the nonexpansive material, the underlying soil should be moistened



to a minimum of optimum moisture content and no desiccation cracks should be present.

11. Proposed imported soils should be evaluated by the geotechnical engineer before being used, and on an intermittent basis during placement on the site.
12. All materials used as fill should be cleaned of any debris and rocks larger than 6 inches in diameter. No rocks larger than 3 inches in diameter should be used within the upper 3 feet of finish grade. When fill material includes rocks, the rocks should be placed in a sufficient soil matrix to ensure that voids caused by nesting of the rocks will not occur and that the fill can be properly compacted.
13. Fill slopes should be keyed and benched into competent soil as generally shown on the Typical Bench and Keyway Detail presented in Appendix E. The geotechnical engineer should approve all keyways and benches. The keyway should be a minimum of 10 feet wide.
14. Slopes under normal conditions should be constructed at 2:1 (horizontal to vertical) or flatter inclinations. Slopes subject to inundation should be constructed at 3:1 or flatter inclinations.
15. Cut slopes and fill over cut slopes be overexcavated and constructed as compacted fill slopes.
16. Fill slopes should be overfilled to an extent determined by the contractor, but not less than 3 feet when measured perpendicular to the slope face, so that when



trimmed back to the compacted core, the recommended compaction is achieved. Compaction of each fill lift should extend out to the temporary slope face. As an alternative to overfilling, fill slopes may be built to the finish slope surface. In such cases, compaction of each fill lift should extend to the face of the slope, and the slope face should be backrolled with a sheepsfoot compactor at intervals not exceeding 4 vertical feet.

17. Care shall be taken to avoid spillage of loose materials down the faces of the slopes during grading. At the completion of mass filling, the slope surfaces should be moisture conditioned, shaped, and compacted. To obtain the recommended compaction of the slope face, soil moisture should be maintained at optimum moisture, or slightly above, from the time of mass filling to final compaction of the slope faces.

Utility Trenches

1. Unless otherwise recommended, utility trenches adjacent to foundations should not be excavated within the zone of foundation influence, as shown on Typical Detail A presented in Appendix F.
2. Utilities that will pass beneath a foundation should be placed with properly compacted utility trench backfill, and the foundation should be designed to span the trench.
3. A select, noncorrosive, granular, easily compacted material should be used as bedding and shading immediately around utilities. Generally, the soils at the site may be used for trench backfill above the select material. Site soils with moisture



- levels above optimum moisture content may be difficult to compact to project standards. If obtaining compaction is difficult with the site soils, use of imported well-graded sand may be desirable.
4. Utility trench backfill should be moisture conditioned and compacted; however, the Engineering Design Standards (SBC, 2011) requires a minimum compaction of 95 percent of maximum dry density in trench backfill in existing or future public roadway areas. A minimum of 95 percent of maximum dry density should also be obtained where trench backfill comprises the upper 1 foot of subgrade beneath HMA or PCC pavement, and in all AB. A minimum of 85 percent of maximum dry density will generally be sufficient where trench backfill is located in landscaped or other unimproved areas, where settlement of trench backfill would not be detrimental.
 5. Jetting of trench backfill should generally not be allowed as a means of backfill densification. However, to aid in encasing utility conduits, particularly corrugated conduits and multiple closely spaced conduits in a single trench, jetting or flooding may be useful. Jetting or flooding should only be attempted with extreme caution, and any jetting or flooding operation should be subject to review by the geotechnical engineer.
 6. The recommendations of this section are minimums only, and may be superseded by the architect/engineer based upon the soil corrosivity, or the requirements of the pipe manufacturer, the utility companies, or the governing jurisdiction.



Foundations

In preparing the following foundation recommendations, we have assumed that foundations will not be constructed within 10 feet of LID drainage improvements. If this is not the case, the geotechnical engineer should review the type of LID drainage improvement planned within 10 feet of a foundation to ascertain if revised and/or supplemental foundation recommendations are needed.

Conventional Foundation Systems – Conventional foundation systems or continuous and spread (pad) footings may be used to support the buildings where the remedial grading recommended in the “Grading” section of this report is completely accomplished. Recommendations for conventional foundations are as follows:

1. Conventional continuous footings and spread footings connected on at least two sides by grade beams bearing entirely on soil compacted per the “Grading” section of this report may be used to support the structures. Grade beams should also be placed across all vehicle entrances or other large entrances into the buildings. Footings and grade beams should have a minimum depth of 21 inches below lowest adjacent grade; however, footing and grade beam dimensions and geometry should also conform to the requirements of CBC Section 1809 (CBSC, 2013). All spread footings should be a minimum of 2 feet square. Footing reinforcement should be in accordance with the requirements of the architect/engineer; minimum continuous footing and grade beam reinforcement should consist of four No. 4 rebar, two near the top and two near the bottom, or two No. 5 rebar, one near the top and one near the bottom.



Heritage Ridge Apartments

July 8, 2014

2. Conventional foundations should be designed using maximum allowable bearing capacities of 1,500 psf dead load and 2,000 psf dead plus live load. Using these criteria, maximum total and differential settlement are expected to be on the order of 3/4-inch and 1/4-inch in 25 feet, respectively.

Rigid Mat Foundations – Rigid mat foundations should be used to support the buildings where the remedial grading recommended in the “Grading” section of this report cannot be accomplished to avoid encroaching into the archeological area. Geogrid as specified in paragraph 6 of the “Grading” section of this report should be extended such that it covers the entire building area under the rigid mat foundations. Recommendations for the rigid mat foundations are as follows:

3. Rigid mat foundations bearing entirely on soil compacted per the “Grading” section of this report may be used to support the buildings. The rigid mat foundations should consist of a structural, moment, and shear resisting slab, or an integrated system of structural slab sections spanning between a grid of moment/shear resisting grade beams.
4. The rigid mat foundations should be designed using a maximum allowable bearing capacity of 2,000 psf or a modulus of subgrade reaction of 200 psi/inch. Using these criteria, maximum total static settlement from normal foundation loading is estimated to be on the order of 3/4-inch and differential static settlement is estimated 1/8-inch in 30 feet.
5. The rigid mat foundation system should significantly reduce the magnitude of differential settlement due to liquefaction and seismically induced settlement of dry



soil; however, the total settlement will not necessarily be reduced. Total and differential seismic settlement should be reassessed after the actual level remedial grading is accomplished to provide a more accurate estimation of those values.

6. Due to the specialized design required for the rigid mat foundations, dimensioning and reinforcement is left to the discretion of the architect/engineer.

Foundations, General

7. The allowable bearing capacities may be increased by one-third when transient loads such as wind or seismicity are included. The foundations should be designed using the following seismic parameters. Based on the borings and CPT soundings, the Site Class per CBC Section 1613.3.2 (CBSC, 2013) is “D”, a Stiff Soil Profile. Using the Earthquake Hazards Program website (USGS, 2013), the ASCE Standard 7-10 setting, Risk Category III per CBC Table 1604.5, and the site coordinates from the “Site Setting” section of this report, the following seismic parameters were determined.

2013 CBC Mapped Values		Site Class “D” Adjusted Values				Design Values	
Seismic Parameters	Values (g)	Site Coefficients	Values	Seismic Parameters	Values (g)	Seismic Parameters	Values (g)
S _s	2.853	F _a	1.000	S _{MS}	2.853	S _{DS}	1.902
S ₁	1.003	F _v	1.500	S _{M1}	1.505	S _{D1}	1.003
Peak Mean Ground Acceleration (PGA _M) = 1.15g							

8. Lateral loads may be resisted by soil friction and by passive resistance of the soil acting on foundations. Lateral capacity is based on the assumption that backfill



adjacent to foundations is properly compacted. Please refer to the "Retaining Walls" section of this report for values.

9. Foundation excavations should be observed by the geotechnical engineer prior to rebar and PCC placement. Footing excavations should be thoroughly moistened prior to PCC placement and no desiccation cracks should be present.

Retaining Walls

1. All retaining wall foundations should be founded in soil compacted as recommended in the "Grading" section of this report. Conventional foundations may be used for the retaining walls, and should have a minimum depth of 21 inches below lowest adjacent grade not including the keyway. It is assumed that retaining walls will not exceed 8 feet in height.

2. Wall design should be based on the following parameters:

Active equivalent fluid pressure (imported sand or gravel backfill)	35 pcf
Active equivalent fluid pressure (native soil backfill)	45 pcf
At-rest equivalent fluid pressure (imported sand or gravel backfill)	50 pcf
At-rest equivalent fluid pressure (native soil backfill)	65 pcf
Passive equivalent fluid pressure (compacted fill)	350 pcf
Maximum toe pressure (compacted fill)	2,000 psf
Coefficient of sliding friction (compacted fill)	0.35

3. No surcharges are taken into consideration in the above values. The maximum toe pressure is an *allowable* value to which a factor of safety has been applied. No



factors of safety, load factors, and/or other factors have been applied to any of the remaining values.

4. If the values for imported sand or gravel are used in the design, the sand or gravel should be utilized exclusively as backfill above a 1:1 (horizontal to vertical) plane extended from the base of the wall to daylight.
5. The above pressures are applicable to a horizontal retained surface behind the wall. Walls having a retained surface that slopes upward from the wall should be designed for an additional equivalent fluid pressure of 1 pcf for the active case and 1.5 pcf for the at-rest case, for every degree of slope inclination.
6. Under the CBC, the Risk-Targeted Maximum Considered Earthquake (MCE_R) must be used for determining seismic pressures on walls. Further, CBC Section 1803.5.12.1 requires that dynamic seismic lateral earth pressures be provided by the geotechnical engineer for walls retaining more than 6 feet of backfill. The Earthquake Hazards Program website (USGS, 2013) was used to determine the MCE_R -based Geometric Mean Peak Ground Acceleration (PGA_M) for a Seismic Design Category "D" project. The resulting PGA_M was 1.15g. Then, using the methods presented by Lew et al. (SEAOC, 2010) and this PGA_M , the appropriate incremental increase in lateral soil pressure, above the static active equivalent fluid pressure for flexible (cantilevered) walls, was determined to be 30 pcf for native soil and 40 pcf for imported sand/gravel backfill. Flexible (cantilevered) walls retaining over 6 feet of backfill should be designed using these incremental seismic pressures. Walls retaining 6 feet or less of backfill need not be designed for seismic pressures.



7. Recent research by Al Atik and Sitar (2010) confirmed that for flexible (cantilevered) walls, particularly those over 12 feet tall, an increase in soil pressure does occur under significant seismic accelerations. Further, they found that the increase is due to the out-of-phase interaction between the soil and the flexible wall. When considering rigid walls (i.e. those designed using at-rest criteria); however, they found that the incremental increase due to seismicity was typically less than 50 percent of the static wall pressure. Consequently, no incremental increase in lateral soil pressure is recommended for the design of walls where the static design utilizes the at-rest equivalent fluid pressure and they are designed with factors of safety and earth load factors of at least 1.5.
8. In typical structural design methods for retaining walls such as those found in CBC Section 1605, lateral soil pressure is multiplied by a load factor of 1.6. According to Lew et al. (2010), a load factor of 1.6 is too conservative for seismic loads; this paper suggests that the seismic increase in lateral pressure be separated from the static active pressure and that a load factor of 1.0 be used for the seismic increase. Further, Al Atik and Sitar (2010) found that pressure increases due to seismic earth loads were minimal for walls retaining less than 12 feet of backfill. While the Al Atik and Sitar's research is generally accepted among geotechnical and structural engineers in California, it is not entirely acknowledged by the CBSC, as the CBC sets the height below which seismic loads may be ignored at 6 feet. Given this disparity, it is suggested that caution be used not to over-engineer walls retaining between 6 and 12 feet of backfill.
9. The active and at-rest values presented above are for drained conditions. Consequently, retaining walls should be drained with rigid perforated pipe encased



in a free draining gravel blanket. The pipe should be placed perforations downward and should discharge in a nonerosive manner away from foundations and other improvements. The gravel blanket should have a width of approximately 1-foot and should extend upward to approximately 1-foot from the top of the wall. The upper foot should be backfilled with on-site soil, except in areas where a PCC slab or HMA pavement will abut the top of the wall. In such cases, the gravel backfill should extend up to the material that supports the PCC or the HMA. To reduce infiltration of the soil into the gravel, a permeable synthetic fabric conforming to the Standard Specifications (Caltrans, 2010) Section 88-1.02B – Class “C,” should be placed between the two. Manufactured synthetic drains such as Miradrain or Enkadrain are acceptable alternatives to the use of gravel, provided that they are installed in accordance with the recommendations of the manufacturer. Where drainage can be properly controlled, weep holes on maximum 4 foot centers may be used in lieu of perforated pipe. A fabric as described above should be placed between the weep holes and the drain gravel.

10. Retaining walls where moisture transmission through the wall would be undesirable should be *thoroughly* waterproofed in accordance with the specifications of the architect/engineer.
11. The architect/engineer should bear in mind that retaining walls by their nature are flexible structures, and that surface treatments on walls often crack. Where walls are to be plastered or otherwise have a finish applied, the flexibility should be considered in determining the suitability of the surfacing material, spacing of horizontal and vertical control joints, etc. The flexibility should also be considered



where a retaining wall will abut or be connected to a rigid structure, and where the geometry of the wall is such that its flexibility will vary along its length.

Slabs-on-Grade and Exterior Flatwork

1. Conventional interior lightly loaded PCC slabs-on-grade and exterior flatwork should have a minimum thickness of 4 full inches; the thickness of heavily loaded slabs and exterior flatwork should be specified by the architect/engineer. Conventional foundation slabs-on-grade should be doweled to footings and grade beams with dowels.
2. Reinforcement size, placement, and dowels should be as directed by the architect/engineer. Lightly loaded exterior flatwork should be reinforced, at a minimum, with No. 3 rebar at 24 inches on-center each way. Heavily loaded exterior flatwork should have minimum rebar sizing and spacing that meets the criteria of ACI 318, Section 7.12.2. A modulus of subgrade reaction (K_{30}) of 100 psi/inch may be used in the design of heavily loaded slabs-on-grade founded on compacted native soil. The modulus of subgrade reaction (K_{30}) may be increased to 200 psi/inch if the slab is underlain with a minimum of 6 inches of compacted Class 2 AB (Caltrans, 2010), and to 300 psi/inch if the slab is underlain with a minimum of 12 inches of compacted Class 2 AB.
3. Due to the current use of impermeable floor coverings, water-soluble flooring adhesives, and the speed at which buildings are now constructed, moisture vapor transmission through slabs is a much more common problem than in past years. Where moisture vapor transmitted from the underlying soil would be undesirable, the slabs should be protected from subsurface moisture vapor. A number of options



for vapor protection are discussed below; however, the means of vapor protection, including the type and thickness of the vapor retarder, if specified, are left to the discretion of the architect/engineer.

4. Several recent studies, including those of American Concrete Institute (ACI) Committee 302, have concluded that excess water above the vapor retarder increases the potential for moisture damage to floor coverings and could increase the potential for mold growth or other microbial contamination. The studies also concluded that it is preferable to eliminate the typical sand layer beneath the slab and place the slab PCC in direct contact with a Class "A" vapor retarder, particularly during wet weather construction. However, placing the PCC directly on the vapor retarder requires special attention to using the proper vapor retarder, a very low water-cement ratio in the PCC mix, and special finishing and curing techniques.
5. Probably the next most effective option would be the use of vapor-inhibiting admixtures in the slab PCC mix and/or application of a sealer to the surface of the slab. This would also require special PCC mixes and placement procedures, depending upon the recommendations of the admixture or sealer manufacturer.
6. Another option that may be a reasonable compromise between effectiveness and cost considerations is the use of a subslab vapor retarder protected by a sand layer. If a Class "A" vapor retarder is specified, the retarder can be placed directly on the compacted soil material. The retarder should be covered with a minimum 2 inches of *clean* sand. If a less durable vapor retarder is specified (Class "B" or "C"), a minimum of 4 inches of clean sand should be provided, and the retarder should be placed in the center of the clean sand layer. Clean sand is defined as a well or poorly



- graded sand (ASTM D 2487-11) of which less than 3 percent passes the No. 200 sieve.
7. Where specified, vapor retarders should conform to ASTM Standard E 1745-11. This standard specifies properties for three performance classes, Class "A", "B" and "C". The appropriate class should be selected based on the sensitivity of floor coverings to moisture intrusion and the potential for damage to the vapor retarder during placement of slab reinforcement and concrete.
 8. Regardless of the underslab vapor retarder selected, proper installation of the retarder is critical for optimum performance. All seams must be properly lapped, and all seams and utility penetrations properly sealed in accordance with the vapor retarder manufacturer's recommendations.
 9. If sand is used between the vapor retarder and the slab, it should be moistened only as necessary to promote concrete curing; saturation of the sand should be avoided, as the excess moisture would be on top of the vapor retarder, potentially resulting in vapor transmission through the slab for months or years.
 10. In conventional construction, it is common to use 4 to 6 inches of sand beneath exterior flatwork. Due to the soil's expansion potential, there will be a risk of movement and damage to such flatwork if conventional measures are used. Heaving and cracking are likely to occur. This movement could be reduced by the placement of a 12 to 18-inch thick layer of compacted, nonexpansive soil beneath the flatwork. Under all flatwork; however, the thicker the nonexpansive soil layer, the better the expansive soil protection. Nonexpansive soils are defined in



paragraph 10 in the "Grading" section of this report.

11. Another measure that can be taken to reduce the risk of movement of flatwork is to provide thickened edges or grade beams around the perimeters of the flatwork. The thickened edges or grade beams could be up to 18 inches deep, with the deeper edges or grade beams providing better protection. At a minimum, the thickened edge or grade beam should be reinforced by two No. 4 rebar, one near the top and one near the bottom.
12. It is recognized that the measures discussed above for protecting exterior flatwork from expansive soils are expensive; possibly more expensive than simply replacing the flatwork that has heaved and/or cracked. Accordingly, the above measures for protecting exterior flatwork should be implemented unless the client's preference is to replace exterior flatwork that is damaged over time. Therefore, the degree to which the exterior flatwork is protected from expansive soil damage is left to the discretion of the client.
13. Flatwork should be constructed with frequent joints to allow articulation as flatwork moves in response to seasonal moisture and/or temperature variations causing minor expansion and contraction of the soil, or variable bearing conditions. The soil in the subgrade should be moistened to at least optimum moisture content and no desiccation cracks should be present prior to casting the flatwork.
14. Where maintaining the elevation of the flatwork is desired, the flatwork should be doweled to the perimeter foundation as specified by the architect/engineer. In other areas, the flatwork may be doweled to the foundation or the flatwork may be



allowed to “float free,” at the discretion of the architect/engineer. Flatwork that is intended to float free should be separated from foundations by a felt joint or other means.

15. To reduce shrinkage cracks in PCC, the PCC aggregates should be of appropriate size and proportion, the water/cement ratio should be low, the PCC should be properly placed and finished, contraction joints should be installed, and the PCC should be properly cured. PCC materials, placement, and curing specifications should be at the direction of the architect/engineer. The Guide for Concrete Floor and Slab Construction (ACI, 2004) is suggested as a resource for the architect/engineer in preparing such specifications.

Pavement Sections

The following preliminary pavement sections are based on an assumed R-value of 25. The soil exposed at the access road/driveway subgrade should be tested during construction for R-value to verify that these preliminary pavement sections are appropriate, otherwise revised pavement sections should be prepared. Pavement design sections are provided for assumed Traffic Indices (TI) of 4.5, 5.0, 5.5, 6.0, 6.5, and 7.0. Determination of the appropriate TI for specific areas is left to others. The pavement sections were calculated in accordance with the Highway Design Manual (Caltrans, 2012). The calculated AB and HMA thickness are for compacted material. Normal Caltrans construction tolerances should apply.



R-value	TI	HMA (inches)	Class 2 AB (inches)
25	4.5	2.50	6.00
25	5.0	2.75	7.00
25	5.5	3.00	8.00
25	6.0	3.25	9.00
25	6.5	3.75	10.00
25	7.0	4.00	11.00

1. The upper 12 inches of subgrade and all AB (Caltrans, 2010) should be compacted to a minimum of 95 percent of maximum dry density.
2. Subgrade and AB should be firm and unyielding when proof-rolled by heavy rubber-tired equipment prior to paving.
3. To provide stability for curbs, they should be set back a minimum of 3 feet from the tops of slopes, or the curbs should be deepened to provide stability. The geotechnical engineer should review all conditions where curbs are deepened to provide stability.
4. Where HMA will lie within 5 feet of LID drainage improvements such as bioswales, infiltration basins, etc., the HMA should be separated from the LID drainage improvements by deepened curbs or other means that will reduce the potential for moisture fluctuations in the soils beneath the HMA. Curbs or other water cut off measures use to separate the HMA from the LID drainage improvement should penetrate a minimum of 12 inches below the invert of the LID drainage improvement.



Heritage Ridge Apartments

July 8, 2014

5. Finished HMA surfaces should slope toward drainage facilities such that rapid runoff will occur and no ponding is allowed on or adjacent to the HMA.

Swimming Pools

We have assumed that the pools will be of reinforced gunite construction, will be no deeper than 5 feet below surrounding grades, and will bear in medium expansive soils.

1. Pool design should be based on the "medium" expansion category per ASTM D 4829-11. If specific lateral pressures are needed for the design, please refer to the "Retaining Walls" section of this report for values.
2. The soil should be overexcavated as needed to allow for the placement of a minimum of a 12-inch thick gravel bed beneath the pool shell. Clean, free-draining, crushed gravel should then be placed in the excavation, up to the bottom-of-shell elevation. As the gravel will act as a cushion as well as a drain, a collection point and drain pipe should be installed to discharge the water from under the pool. A hydrostatic relief valve should also be provided to protect the pool shell from floating in the event of a failure in the drain system.
3. As a minimum, the upper 12 inches of soil placed beneath the pool decks should be nonexpansive (as defined in paragraph 10 of the "Grading" section of this report) or 12 inches of gravel can be used. Flexible joints should be used between the deck and the coping. All joints in the pool deck should be sealed.



Drainage and Maintenance

1. Per CBC Section 1804.3 (CBSC, 2013), unpaved ground surfaces should be *finish graded* to direct surface runoff away from foundations and other improvements at a minimum 5 percent grade for a minimum distance of 10 feet. The site should be similarly sloped to drain away from foundations, slopes, and other improvements during construction. Where this is not practicable due to property lines, other improvements, etc., swales with improved surfaces, area drains, or other drainage facilities, should be used to collect and discharge runoff.
2. To reduce the potential for planter drainage from gaining access to subslab areas, any raised planter boxes adjacent to foundations should be installed with drains and sealed sides and bottoms. Drains should also be provided for areas adjacent to the foundations that would not otherwise freely drain.
3. The eaves of the buildings should be fitted with roof gutters. Runoff from flatwork, roof gutters, downspouts, planter drains, area drains, etc. should discharge in a nonerosive manner away from foundations and other improvements in accordance with the requirements of the governing agencies.
4. The on-site soils are highly erodible; stabilization of soils disturbed during construction by vegetation or other means *during* and *following* construction, is essential to reduce erosion damage. Care should be taken to establish and maintain vegetation. The landscaping should be planned and installed to maintain the surface drainage recommended above. Surface drainage should also be maintained during construction.



Heritage Ridge Apartments

July 8, 2014

5. To reduce migration of surface drainage into the subgrade, maintenance of pavement areas is critical. Any cracks that develop in the pavement should be promptly sealed.
6. The owner or site maintenance personnel should periodically observe the areas within and around the site for indications of rodent activity and soil instability. The owner or site maintenance personnel should also implement an aggressive program for controlling the rodent activity in the general area.

Construction Observation and Testing

1. It must be recognized that the recommendations contained in this report are based on a limited number of borings and CPT soundings, and rely on continuity of the subsurface conditions encountered. It is assumed that the geotechnical engineer will be retained to provide consultation during the design phase, to review final plans once they are available, to interpret this report during construction, and to provide construction monitoring in the form of testing and observation.
2. At a minimum, the geotechnical engineer should be retained to provide:
 - Review of final grading, utility, and foundation plans
 - Professional observation during grading, foundation excavations, and trench backfill
 - Oversight of compaction testing during grading
 - Oversight of special inspection during grading
3. Special inspection of grading and backfill should be provided as per CBC Section 1705.6 and CBC Table 1705.6 (CBSC, 2013). In our opinion, none of the grading



construction is of a nature that should require continuous special inspection; subject to approval by the Building Official, periodic special inspection should suffice. The special inspector should be under the direction of the geotechnical engineer. At a minimum, the following items should be inspected and/or tested by the special inspector:

- Stripping and clearing of vegetation
 - Overexcavation to the recommended depths
 - Scarification, moisture conditioning, and compaction of the soil
 - Geogrid placement
 - Fill quality, placement, and compaction
 - Utility trench backfill
 - Retaining wall drains and backfill
 - Foundation excavations
 - Subgrade and AB compaction and proof-rolling
4. A program of quality control should be developed prior to beginning grading. The contractor or project manager should determine any additional inspection items required by the architect/engineer or the governing jurisdiction.
5. Locations and frequency of compaction tests should be as per the recommendation of the geotechnical engineer at the time of construction. The recommended test location and frequency may be subject to modification by the geotechnical engineer, based upon soil and moisture conditions encountered, size and type of equipment used by the contractor, the general trend of the results of compaction tests, or other factors.



Heritage Ridge Apartments

July 8, 2014

6. A preconstruction conference among the owner, the geotechnical engineer, the City of Goleta, the special inspector, the architect/engineer, and contractors is recommended to discuss planned construction procedures and quality control requirements.
7. The geotechnical engineer should be notified at least 48 hours prior to beginning construction operations. If Earth Systems Pacific is not retained to provide construction observation and testing services, it shall not be responsible for the interpretation of the information by others or any consequences arising therefrom.

9.0 CLOSURE

Our intent was to perform the investigation in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the locality of this project under similar conditions. No representation, warranty, or guarantee is either expressed or implied. This report is intended for the exclusive use by the client as discussed in the "Scope of Services" section of this report. Application beyond the stated intent is strictly at the user's risk.

This report is valid for conditions as they exist at this time for the type of project described herein. The conclusions and recommendations contained in this report could be rendered invalid, either in whole or in part, due to changes in building codes, regulations, standards of geotechnical or construction practice, changes in physical conditions, or the broadening of knowledge.

If changes with respect to development type or location become necessary, if items not addressed in this report are incorporated into plans, or if any of the assumptions used in the



Heritage Ridge Apartments

July 8, 2014

preparation of this report are not correct, this firm shall be notified for modifications to this report. Any items not specifically addressed in this report shall comply with the CBC (CBSC, 2013) and the requirements of the governing jurisdiction.

The preliminary recommendations of this report are based upon the geotechnical conditions encountered at the site, and may be augmented by additional requirements of the architect/engineer, or by additional recommendations provided by the geotechnical engineer based on conditions exposed at the time of construction.

This document, the data, conclusions, and recommendations contained herein are the property of Earth Systems Pacific. This report shall be used in its entirety, with no individual sections reproduced or used out of context. Copies may be made only by Earth Systems Pacific, the client, and the client's authorized agents for use exclusively on the subject project. Any other use is subject to federal copyright laws and the written approval of Earth Systems Pacific.

Thank you for this opportunity to have been of service. If you have any questions, please feel free to contact this office at your convenience.

End of Text



Heritage Ridge Apartments

July 8, 2014

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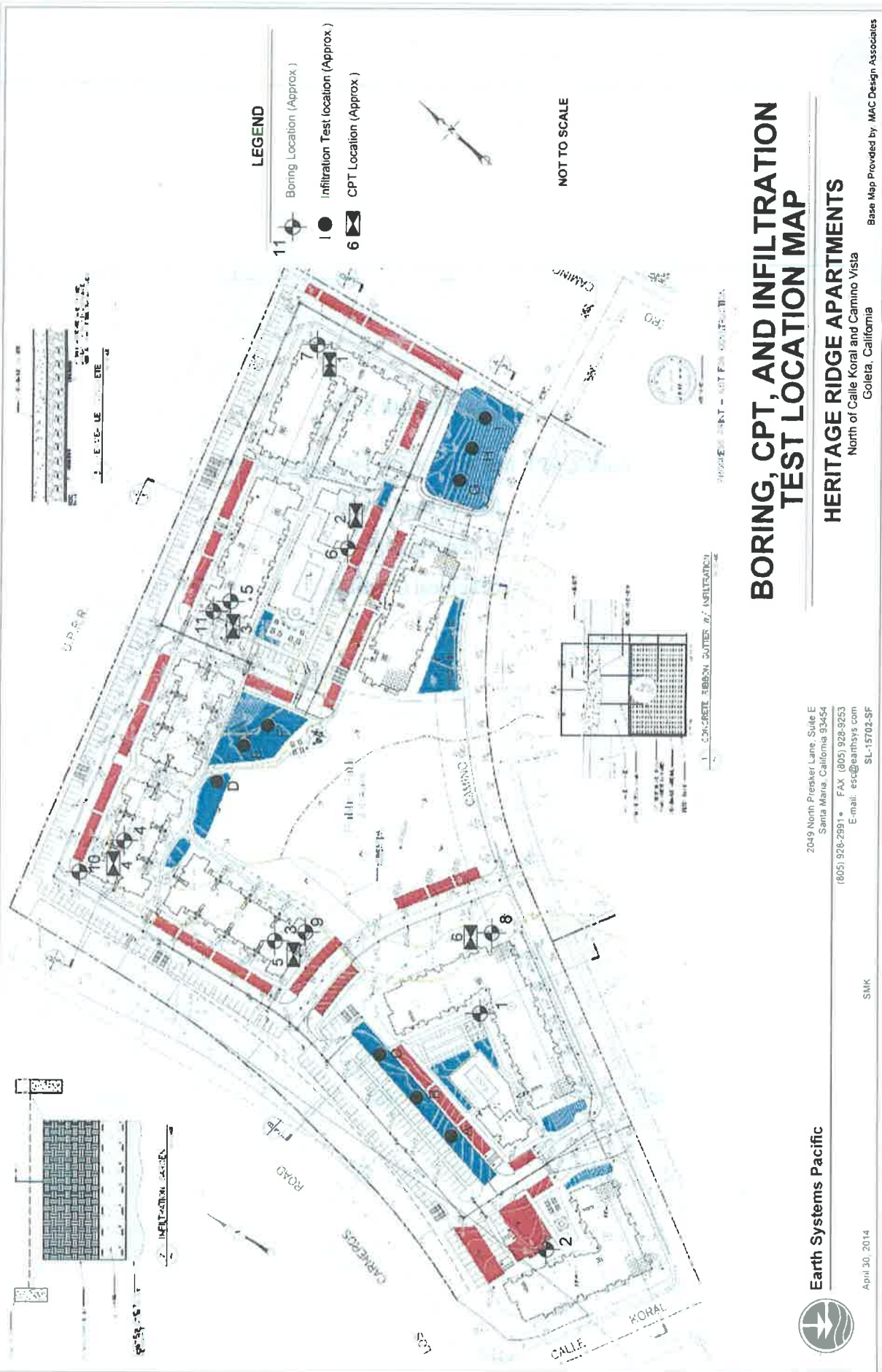
APPENDIX A

Boring, CPT, and Infiltration Test Location Map

Boring Log Legend

Boring Logs

Graphical CPT Data



- LEGEND**
- Boring Location (Approx.)
 - ◻ Infiltration Test location (Approx.)
 - ◻ CPT Location (Approx.)

NOT TO SCALE

BORING, CPT, AND INFILTRATION TEST LOCATION MAP

HERITAGE RIDGE APARTMENTS
 North of Calle Koral and Camino Vista
 Goleta, California

Base Map Provided by MAC Design Associates

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 SL-15702-SF

Earth Systems Pacific



April 30, 2014

SHK



Earth Systems Pacific

BORING LOG LEGEND

SAMPLE / SUBSURFACE WATER SYMBOLS	GRAPH. SYMBOL
CALIFORNIA MODIFIED	
STANDARD PENETRATION TEST (SPT)	
SHELBY TUBE	
BULK	
SUBSURFACE WATER DURING DRILLING	
SUBSURFACE WATER AFTER DRILLING	

SOIL CLASSIFICATION SYSTEM			
MAJOR DIVISIONS	GROUP SYMBOL	TYPICAL DESCRIPTIONS	GRAPH. SYMBOL
COARSE GRAINED SOILS MORE THAN HALF OF MATERIAL IS TESTED OR JUDGED TO BE LARGER THAN #200 SIEVE SIZE	GW	WELL GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES	
	GP	POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES	
	GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES, NON-PLASTIC FINES	
	GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES, PLASTIC FINES	
	SW	WELL GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES	
	SP	POORLY GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES	
	SM	SILTY SANDS, SAND-SILT MIXTURES, NON-PLASTIC FINES	
FINE GRAINED SOILS HALF OR MORE OF MATERIAL IS TESTED OR JUDGED TO BE SMALLER THAN #200 SIEVE SIZE	SC	CLAYEY SANDS, SAND-CLAY MIXTURES, PLASTIC FINES	
	ML	INORGANIC SILTS AND VERY FINE SANDS, SILTY, CLAYEY FINE SANDS, CLAYEY SILTS WITH SLIGHT PLASTICITY	
	CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS	
	OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY	
	MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY, SILTY SOILS, ELASTIC SILTS	
	CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS	
	OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS	
PT	PEAT AND OTHER HIGHLY ORGANIC SOILS		

OBSERVED MOISTURE CONDITION

DRY	SLIGHTLY MOIST	MOIST	VERY MOIST	WET
LITTLE/NO MOISTURE	JUDGED BELOW OPTIMUM	JUDGED ABOUT OPTIMUM	JUDGED OVER OPTIMUM	SATURATED

TYPICAL CONSISTENCY

COARSE GRAINED SOILS			FINE GRAINED SOILS		
BLOWS/FOOT		DESCRIPTIVE TERM	BLOWS/FOOT		DESCRIPTIVE TERM
SPT	CA SAMPLER		SPT	CA SAMPLER	
0-10	0-16	LOOSE	0-2	0-3	VERY SOFT
11-30	17-50	MEDIUM DENSE	3-4	4-7	SOFT
31-50	51-83	DENSE	5-8	8-13	MEDIUM STIFF
OVER 50	OVER 83	VERY DENSE	9-15	14-25	STIFF
			16-30	26-50	VERY STIFF
			OVER 30	OVER 50	HARD

GRAIN SIZES

U.S. STANDARD SERIES SIEVE				CLEAR SQUARE SIEVE OPENING			
# 200	# 40	# 10	# 4	3/4"	3"	12"	
SILT & CLAY	SAND			GRAVEL		COBBLES	BOULDERS
	FINE	MEDIUM	COARSE	FINE	COARSE		

TYPICAL ROCK HARDNESS

MAJOR DIVISIONS	TYPICAL DESCRIPTIONS
EXTREMELY HARD	CORE, FRAGMENT, OR EXPOSURE CANNOT BE SCRATCHED WITH KNIFE OR SHARP PICK; CAN ONLY BE CHIPPED WITH REPEATED HEAVY HAMMER BLOWS
VERY HARD	CANNOT BE SCRATCHED WITH KNIFE OR SHARP PICK; CORE OR FRAGMENT BREAKS WITH REPEATED HEAVY HAMMER BLOWS
HARD	CAN BE SCRATCHED WITH KNIFE OR SHARP PICK WITH DIFFICULTY (HEAVY PRESSURE); HEAVY HAMMER BLOW REQUIRED TO BREAK SPECIMEN
MODERATELY HARD	CAN BE GROOVED 1/16 INCH DEEP BY KNIFE OR SHARP PICK WITH MODERATE OR HEAVY PRESSURE; CORE OR FRAGMENT BREAKS WITH LIGHT HAMMER BLOW OR HEAVY MANUAL PRESSURE
SOFT	CAN BE GROOVED OR GOUGED EASILY BY KNIFE OR SHARP PICK WITH LIGHT PRESSURE, CAN BE SCRATCHED WITH FINGERNAIL; BREAKS WITH LIGHT TO MODERATE MANUAL PRESSURE
VERY SOFT	CAN BE READILY INDENTED, GROOVED OR GOUGED WITH FINGERNAIL, OR CARVED WITH KNIFE; BREAKS WITH LIGHT MANUAL PRESSURE

TYPICAL ROCK WEATHERING

MAJOR DIVISIONS	TYPICAL DESCRIPTIONS
FRESH	NO DISCOLORATION, NOT OXIDIZED
SLIGHTLY WEATHERED	DISCOLORATION OR OXIDATION IS LIMITED TO SURFACE OF, OR SHORT DISTANCE FROM; SOME FRACTURES PRESENT; FELDSPAR CRYSTALS ARE DULL
MODERATELY WEATHERED	DISCOLORATION OR OXIDATION EXTENDS FROM FRACTURES, USUALLY THROUGHOUT; Fe-Mg MINERALS ARE "RUSTY"; FELDSPAR CRYSTALS ARE "CLOUDY"
INTENSELY WEATHERED	DISCOLORATION OR OXIDATION THROUGHOUT; FELDSPAR AND Fe-Mg MINERALS ARE ALTERED TO CLAY TO SOME EXTENT OR CHEMICAL ALTERATION PRODUCES IN SITU DISAGGREGATION
DECOMPOSED	DISCOLORATION OR OXIDATION THROUGHOUT, BUT RESISTANT MINERALS SUCH AS QUARTZ MAY BE UNALTERED; FELDSPAR AND Fe-Mg MINERALS ARE COMPLETELY ALTERED TO CLAY

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Earth Systems Pacific

LOGGED BY: R. Wagner
 DRILL RIG: Mobile B-53
 AUGER TYPE: 6" Hollow Stem Auger

Boring No. 1
 PAGE 1 OF 1
 JOB NO.: SL-15702-SF
 DATE: 2/25/2014

DEPTH (feet)	USCS CLASS	SYMBOL	HERITAGE RIDGE APARTMENTS North of Calle Koral and Camino Vista Goleta, California	SAMPLE DATA							
				INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.			
SOIL DESCRIPTION											
0	SC		CLAYEY SAND: orange brown, moist, loose, some fine to coarse gravel (Fill)								
1											
2											
3											
4											
5											
6							5.0-6.5	●			2
7											2
8											4
9											
10	SP		POORLY GRADED SAND: gray, moist, loose, trace clay (Alluvium)	10.0-11.5	●				3		
11									4		
12										4	
13											
14											
15							15.0-16.5	■	109.6	10.6	3
16						medium dense					11
17						increasing clay content					17
18											
19											
20	CL		SANDY LEAN CLAY: orange brown, moist, very stiff	20.0-21.5	■	114.1	13.8		2		
21										12	
22											11
23											
24											
25							25.0-26.5	■	116.9	7.9	5
26			hard					31			
26.5			End of Boring @ 26.5'					49			
			No subsurface water encountered								

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT
 NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



LOGGED BY: R. Wagner

DRILL RIG: Mobile B-53

AUGER TYPE: 6" Hollow Stem Auger

JOB NO.: SL-15702-SF

DATE: 2/25/2014

DEPTH (feet)	USCS CLASS	SYMBOL	HERITAGE RIDGE APARTMENTS North of Calle Koral and Camino Vista Goleta, California					
			INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.	
SOIL DESCRIPTION								
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	SC		CLAYEY SAND: brown, slightly moist, medium dense, trace fine gravel (Fill)					
			moist	5.0-6.5	●			7 8 10
	SP		POORLY GRADED SAND: gray, moist, medium dense (Alluvium)	10.0-11.5	●			9 12 11
	CL		SANDY LEAN CLAY: brown, moist, very stiff	15.0-16.5	■	122.9	11.8	4 12 25
			interlayered with thin lenses of poorly graded sand	20.0-21.5	■	114.8	16.4	4 16 27
				25.0-26.5	■	117.0	14.3	4 14 23
			End of Boring @ 26.5' No subsurface water encountered					

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

Boring No. 3

LOGGED BY: R. Wagner
 DRILL RIG: Mobile B-53
 AUGER TYPE: 6" Hollow Stem Auger

PAGE 1 OF 1
 JOB NO.: SL-15702-SF
 DATE: 2/25/2014

DEPTH (feet)	USCS CLASS	SYMBOL	HERITAGE RIDGE APARTMENTS North of Calle Koral and Camino Vista Goleta, California	SAMPLE DATA				
				INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
			SOIL DESCRIPTION					
0 - 1 - 2 - 3 - 4 - 5 - 6 - 7	SC		CLAYEY SAND: yellow brown, moist, medium dense, trace fine gravel, trace organics (Fill)					
			increasing clay content	5.0-6.5		117.5	9.9	6 15 16
7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16	SC		CLAYEY SAND: brown, moist, medium dense (Alluvium)	6-10				
				10.0-11.5		109.7	18.7	7 15 31
				15.0-16.5				8 8 14
17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26			End of Boring @ 16.5' No subsurface water encountered					

LEGEND: Ring Sample Grab Sample Shelby Tube Sample SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

LOGGED BY: R. Wagner
 DRILL RIG: Mobile B-53
 AUGER TYPE: 6" Hollow Stem Auger

Boring No. 4
 PAGE 1 OF 1
 JOB NO.: SL-15702-SF
 DATE: 2/25/2014

DEPTH (feet)	USCS CLASS	SYMBOL	HERITAGE RIDGE APARTMENTS North of Calle Koral and Camino Vista Goleta, California	SAMPLE DATA				
				INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
SOIL DESCRIPTION								
0	SC		CLAYEY SAND: orange brown, slightly moist, loose, trace fine gravel (Fill)	1-5				
1								
2								
3			moist, medium dense					
4								
5				5.0-6.5		103.4	7.5	10
6								11
7								12
8	SC		CLAYEY SAND: brown, moist, medium dense (Alluvium)	10.0-11.5				
9								
10								
11			red brown, increasing clay content					
12								
13								
14								
15				15.0-16.5				8
16								8
17								7
18			End of Boring @ 16.5' No subsurface water encountered					
19								
20								
21								
22								
23								
24								
25								
26								

LEGEND: Ring Sample Grab Sample Shelby Tube Sample SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

Boring No. 5

LOGGED BY: R. Wagner
 DRILL RIG: Mobile B-53
 AUGER TYPE: 6" Hollow Stem Auger

PAGE 1 OF 1
 JOB NO.: SL-15702-SF
 DATE: 2/25/2014

DEPTH (feet)	USCS CLASS	SYMBOL	HERITAGE RIDGE APARTMENTS North of Calle Koral and Camino Vista Goleta, California	SAMPLE DATA					
				INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.	
			SOIL DESCRIPTION						
0	SC		CLAYEY SAND: brown, moist, loose, trace fine to coarse gravel (Fill)						
1									
2									
3									
4									
5						5.0-6.5	●		3
6									2
7									2
8									
9			dense, some fine gravel						
10				10.0-11.5	■	126.4	9.5	9	
11								30	
12								50	
13			some concrete and organic debris						
14									
15	SC		CLAYEY SAND: dark brown, moist, medium dense (Alluvium)	15.0-16.5	■	126.9	8.4	11	
16								19	
17			End of Boring @ 16.5'					22	
18			No subsurface water encountered						
19									
20									
21									
22									
23									
24									
25									
26									

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT
 NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

LOGGED BY: R. Wagner
 DRILL RIG: Mobile B-53
 AUGER TYPE: 6" Hollow Stem Auger

Boring No. 6
 PAGE 1 OF 1
 JOB NO.: SL-15702-SF
 DATE: 2/25/2014

DEPTH (feet)	USCS CLASS	SYMBOL	HERITAGE RIDGE APARTMENTS North of Calle Koral and Camino Vista Goleta, California	SAMPLE DATA				
				INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
SOIL DESCRIPTION								
0 1 2 3 4 5 6 7 8 9	SC		CLAYEY SAND: orange brown, moist, medium dense, trace coarse gravel (Fill)	5.0-6.5	●			15 8 9
10 11 12			dark brown, loose	10.0-11.5	●			5 4 2
13 14 15 16 17	SC		CLAYEY SAND: dark brown, moist, medium dense (Alluvium)	15.0-16.5	■	114.5	11.3	4 9 9
18 19 20	SP		POORLY GRADED SAND: gray, moist, medium dense	20.0-21.5	■	99.2	10.3	4 8 9
21 22 23 24	CL		SANDY LEAN CLAY: brown, moist, stiff					
25 26			gray, wet, very soft, interlayered with thin lenses of well graded sand End of Boring @ 26.5' Subsurface water encountered at 25.0'	25.0-26.5	●			0 1 1

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

LOGGED BY: R. Wagner
 DRILL RIG: Mobile B-53
 AUGER TYPE: 6" Hollow Stem Auger

Boring No. 7
 PAGE 1 OF 2
 JOB NO.: SL-15702-SF
 DATE: 2/26/2014

DEPTH (feet)	USCS CLASS	SYMBOL	HERITAGE RIDGE APARTMENTS North of Calle Koral and Camino Vista Goleta, California						
			SAMPLE DATA						
SOIL DESCRIPTION			INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.		
0	SC		CLAYEY SAND: orange brown, loose, moist, some fine to coarse gravel (Fill)						
1									
2									
3									
4									
5					5.0-6.5	●			4
6									3
7									3
8									
9									
10					10.0-11.5	●			4
11									3
12							4		
13			light brown, increasing clay content						
14	SC		CLAYEY SAND: dark brown, medium dense, moist (Alluvium)	○			10		
15				15.0-16.5	■	115.2	12.7	15	
16									23
17									
18									
19									
20	CL		SANDY LEAN CLAY: brown, stiff, moist	■	111.5	13.4	5		
21				20.0-21.5				7	
22									14
23				wet					
24									
25			25.0-26.5	■	108.9	24.7	4		
26							5		
							9		

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



LOGGED BY: R. Wagner

DRILL RIG: Mobile B-53

AUGER TYPE: 6" Hollow Stem Auger

JOB NO.: SL-15702-SF

DATE: 2/26/2014

DEPTH (feet)	USCS CLASS	SYMBOL	HERITAGE RIDGE APARTMENTS North of Calle Koral and Camino Vista Goleta, California					
			SAMPLE DATA					
SOIL DESCRIPTION			INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.	
27	CL		SANDY LEAN CLAY: as above					
28								
29								
30				interlayered with thin lenses of poorly graded sand	30.0-31.5	●		4 6 8
31								
32								
33								
34								
35				gray/brown mottled, trace organics	35.0-36.5	●		0 4 7
36								
37								
38								
39								
40				●		1 4 7		
41								
42								
43								
44								
45		very stiff	45.0-46.5	●		5 8 8		
46								
47								
48								
49								
50		stiff	50.0-51.5	●		3 5 7		
51								
52		End of Boring @ 51.5' Subsurface water encountered @ 22.5'						
53								

LEGEND: Ring Sample Grab Sample Shelby Tube Sample SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

LOGGED BY: R. Wagner
 DRILL RIG: Mobile B-53
 AUGER TYPE: 6" Hollow Stem Auger

Boring No. 8
 PAGE 1 OF 2
 JOB NO.: SL-15702-SF
 DATE: 4/30/2014

DEPTH (feet)	USCS CLASS	SYMBOL	HERITAGE RIDGE APARTMENTS North of Calle Koral and Camino Vista Goleta, California	SAMPLE DATA				
				INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
SOIL DESCRIPTION								
0 - 1 - 2 - 3 - 4	SC		CLAYEY SAND: dark brown, medium dense, moist, trace coarse gravel (Fill)					
5 - 6	SC		CLAYEY SAND: dark gray brown, medium dense, moist, trace fine gravel (Alluvium)					
7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18	CL		SANDY LEAN CLAY: brown, stiff, moist, trace fine roots increasing sand content decreasing sand content					
19 - 20 - 21 - 22 - 23 - 24	SP		POORLY GRADED SAND: brown, medium dense, moist light yellow brown					
25 - 26			loose, wet, trace fine to coarse gravel	25.0-26.5				1 2 3

LEGEND: Ring Sample Grab Sample Shelby Tube Sample SPT
 NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

LOGGED BY: R. Wagner
 DRILL RIG: Mobile B-53
 AUGER TYPE: 6" Hollow Stem Auger

Boring No. 8
 PAGE 2 OF 2
 JOB NO.: SL-15702-SF
 DATE: 4/30/2014

DEPTH (feet)	USCS CLASS	SYMBOL	HERITAGE RIDGE APARTMENTS North of Calle Koral and Camino Vista Goleta, California	SAMPLE DATA				
				INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
SOIL DESCRIPTION								
27	SP		POORLY GRADED SAND: as above					
28								
29								
30			dense	30.0-31.5	●			8 18 23
31								
32								
33								
34								
35	ML		SANDY SILT: green gray, hard, moist, trace clay, trace fine shells	35.0-36.5	●			8 16 20
36								
37								
38								
39								
40				40.0-41.5	●			7 15 26
41								
42								
43								
44								
45			very stiff	45.0-46.5	●			7 12 16
46								
47								
48								
49								
50				50.0-51.5	●			6 12 18
51								
52			End of Boring @ 51.5' Subsurface water encountered between 24.5' & 34.5'					
53								

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

LOGGED BY: R. Wagner
 DRILL RIG: Mobile B-53
 AUGER TYPE: 6" Hollow Stem Auger

Boring No. 9
 PAGE 1 OF 2
 JOB NO.: SL-15702-SF
 DATE: 4/30/2014

DEPTH (feet)	USCS CLASS	SYMBOL	HERITAGE RIDGE APARTMENTS North of Calle Koral and Camino Vista Goleta, California	SAMPLE DATA				
				SOIL DESCRIPTION	INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
0	SC		CLAYEY SAND: dark brown, medium dense, moist, trace fine gravel, trace brick fragments and debris (Fill)					
1								
2								
3								
4								
5	CL		SANDY LEAN CLAY: brown, stiff, moist (Alluvium)					
6								
7								
8								
9								
10	SC		CLAYEY SAND: orange brown, medium dense, moist					
11								
12								
13								
14								
15	SP		POORLY GRADED SAND: yellow brown, dense, moist					
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

LEGEND: Ring Sample Grab Sample Shelby Tube Sample SPT
 NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

LOGGED BY: R. Wagner
 DRILL RIG: Mobile B-53
 AUGER TYPE: 6" Hollow Stem Auger

Boring No. 9
 PAGE 2 OF 2
 JOB NO.: SL-15702-SF
 DATE: 4/30/2014

DEPTH (feet)	USCS CLASS	SYMBOL	HERITAGE RIDGE APARTMENTS North of Calle Koral and Camino Vista Goleta, California				
			SAMPLE DATA				
SOIL DESCRIPTION			INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
27	SP	POORLY GRADED SAND: as above loose, wet	30.0-31.5	●			2
28							3
29							6
30	SM	SILTY SAND: light gray/light orange brown mottled, medium dense, wet	35.0-36.5	●			5
31							9
32							11
33	ML	SANDY SILT: dark gray, very stiff, moist, trace fine shells	40.0-41.5	●			5
34							10
35							14
36			45.0-46.5	●			4
37							8
38							13
39			50.0-51.5	●			5
40							11
41							15
42	End of Boring @ 51.5'						
43	Subsurface water encountered between 29.0' & 37.0'						
44							
45							
46							
47							
48							
49							
50							
51							
52							
53							

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

Boring No. 10

LOGGED BY: R. Wagner
 DRILL RIG: Mobile B-53
 AUGER TYPE: 6" Hollow Stem Auger

PAGE 1 OF 2
 JOB NO.: SL-15702-SF
 DATE: 4/30/2014

DEPTH (feet)	USCS CLASS	SYMBOL	HERITAGE RIDGE APARTMENTS North of Calle Koral and Camino Vista Goleta, California	SAMPLE DATA				
				SOIL DESCRIPTION	INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
0 - 1 - 2 - 3 - 4 - 5 - 6	SC		CLAYEY SAND: orange brown, medium dense, moist (Fill)					
6 - 7 - 8 - 9 - 10 - 11 - 12 - 13	ML		SILTY SAND: brown, medium dense, moist, trace clay (Alluvium)					
14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26	SC		CLAYEY SAND: brown, medium dense, moist					

LEGEND: Ring Sample Grab Sample Shelby Tube Sample SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

Boring No. 10

PAGE 2 OF 2

LOGGED BY: R. Wagner

JOB NO.: SL-15702-SF

DRILL RIG: Mobile B-53

DATE: 4/30/2014

AUGER TYPE: 6" Hollow Stem Auger

DEPTH (feet)	USCS CLASS	SYMBOL	SAMPLE DATA				
			INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
HERITAGE RIDGE APARTMENTS North of Calle Koral and Camino Vista Goleta, California							
SOIL DESCRIPTION							
27 - 28 - 29 - 30 - 31 - 32 - 33 - 34 - 35 - 36 - 37 - 38 - 39 - 40 - 41 - 42 - 43 - 44 - 45 - 46 - 47 - 48 - 49 - 50 - 51 - 52 - 53 -	SC						
		CLAYEY SAND: as above					
	SP						
		POORLY GRADED SAND: light brown, medium dense, moist					
	SM						
		SILTY SAND: light brown, dense, wet					
			40.0-41.5	●			5 13 19
		End of Boring @ 41.5' Subsurface water encountered at 36.0'					

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



LOGGED BY: R. Wagner
 DRILL RIG: Mobile B-53
 AUGER TYPE: 6" Hollow Stem Auger

DEPTH (feet)	USCS CLASS	SYMBOL	SAMPLE DATA					
			INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.	
HERITAGE RIDGE APARTMENTS North of Calle Koral and Camino Vista Goleta, California								
SOIL DESCRIPTION								
0	SC		CLAYEY SAND: brown, loose, slightly moist, trace fine to coarse gravel (Fill)					
1								
2								
3								
4								
5								
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9								
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14								
15	SM		SILTY SAND WITH CLAY: dark gray brown, medium dense, moist, trace clay (Alluvium)					
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

LEGEND: Ring Sample Grab Sample Shelby Tube Sample SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

Boring No. 11

PAGE 2 OF 2

LOGGED BY: R. Wagner

JOB NO.: SL-15702-SF

DRILL RIG: Mobile B-53

DATE: 4/30/2014

AUGER TYPE: 6" Hollow Stem Auger

DEPTH (feet)	USCS CLASS	SYMBOL	HERITAGE RIDGE APARTMENTS North of Calle Koral and Camino Vista Goleta, California				
			INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 6 IN.
			SOIL DESCRIPTION				
27 28 29	SP		POORLY GRADED SAND: gray brown, medium dense, very moist				
30 31 32 33 34 35 36 37	CL		SANDY LEAN CLAY: dark brown, stiff, moist				
38 39 40 41 42 43 44	SC		40.0-41.5	●			1 4 3
45 46 47	CL		45.0-46.5	●			2 7 9
48 49 50 51	SC		50.0-51.5	●			1 6 6
52 53			End of Boring @ 51.5' Subsurface water encountered between 38.0' to 45.0' and 49.0'				

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Water Services Commission
100 Water Street, Cape Town
Tel: 021 460 8000
www.wsc.co.za

Sample No.	Location	Date	Parameter	Result	Unit	Remarks
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APPENDIX B

Laboratory Test Results



Heritage Ridge Apartments

SL-15702-SF

BULK DENSITY TEST RESULTS

ASTM D 2937-10 (modified for ring liners)

March 17, 2014

BORING NO.	DEPTH feet	MOISTURE CONTENT, %	WET DENSITY, pcf	DRY DENSITY, pcf
1	16.0 - 16.5	10.6	121.2	109.6
1	21.0 - 21.5	13.8	129.9	114.1
1	26.0 - 26.5	7.9	126.2	116.9
2	16.0 - 16.5	11.8	137.4	122.9
2	21.0 - 21.5	16.4	133.6	114.8
2	26.0 - 26.5	14.3	133.7	117.0
3	6.0 - 6.5	9.9	129.1	117.5
3	11.0 - 11.5	18.7	130.3	109.7
4	6.0 - 6.5	7.5	111.2	103.4
5	11.0 - 11.5	9.5	138.4	126.4
5	16.0 - 16.5	8.4	137.6	126.9
6	16.0 - 16.5	11.3	127.5	114.5
6	21.0 - 21.5	10.3	109.5	99.2
7	16.0 - 16.5	12.7	129.7	115.2
7	21.0 - 21.5	13.4	126.5	111.5
7	26.0 - 26.5	24.7	135.8	108.9



Heritage Ridge Apartments

SL-15702-SF

PARTICLE SIZE ANALYSIS

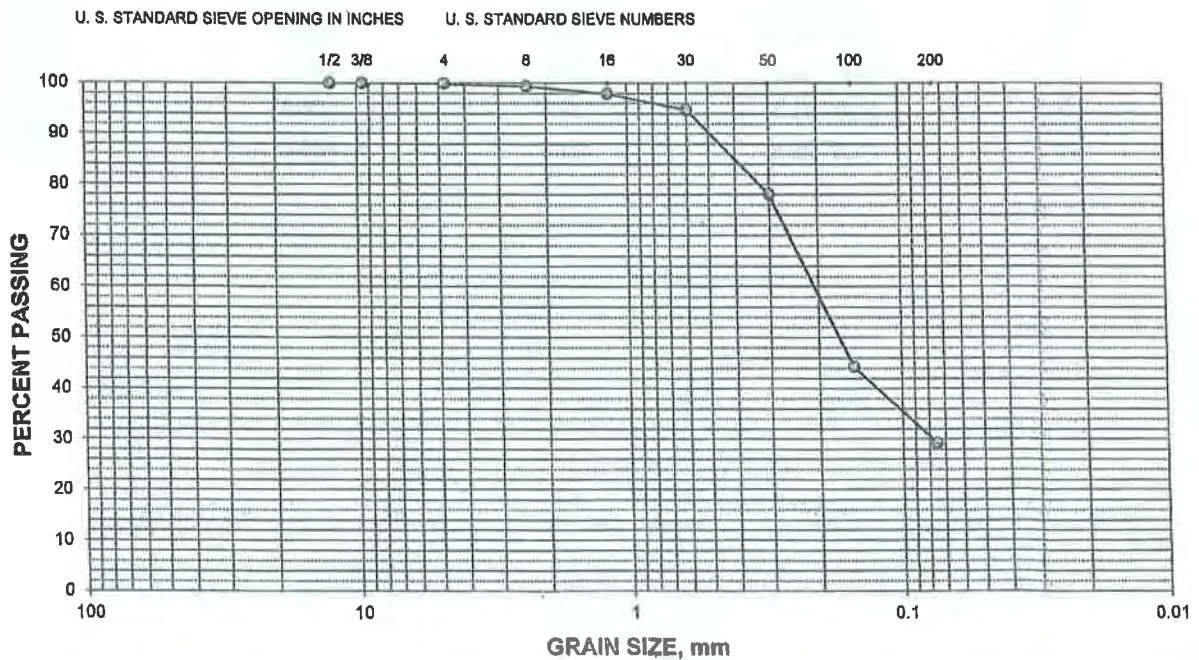
ASTM D 422-63/07; D 1140-00/06

Boring #3 @ 6.0 - 10.0'

March 17, 2014

Clayey Sand (SC)

Sieve size	% Retained	% Passing
1/2" (12.5-mm)	0	100
3/8" (9.5-mm)	0	100
#4 (4.75-mm)	0	100
#8 (2.36-mm)	1	99
#16 (1.18-mm)	2	98
#30 (600- μ m)	5	95
#50 (300- μ m)	22	78
#100 (150- μ m)	56	44
#200 (75- μ m)	71	29





Heritage Ridge Apartments

SL-15702-SF

MOISTURE-DENSITY COMPACTION TEST

ASTM D 1557-12

PROCEDURE USED: A

March 17, 2014

PREPARATION METHOD: Moist

Boring #3 @ 6.0 - 10.0'

RAMMER TYPE: Mechanical

Clayey Sand (SC)

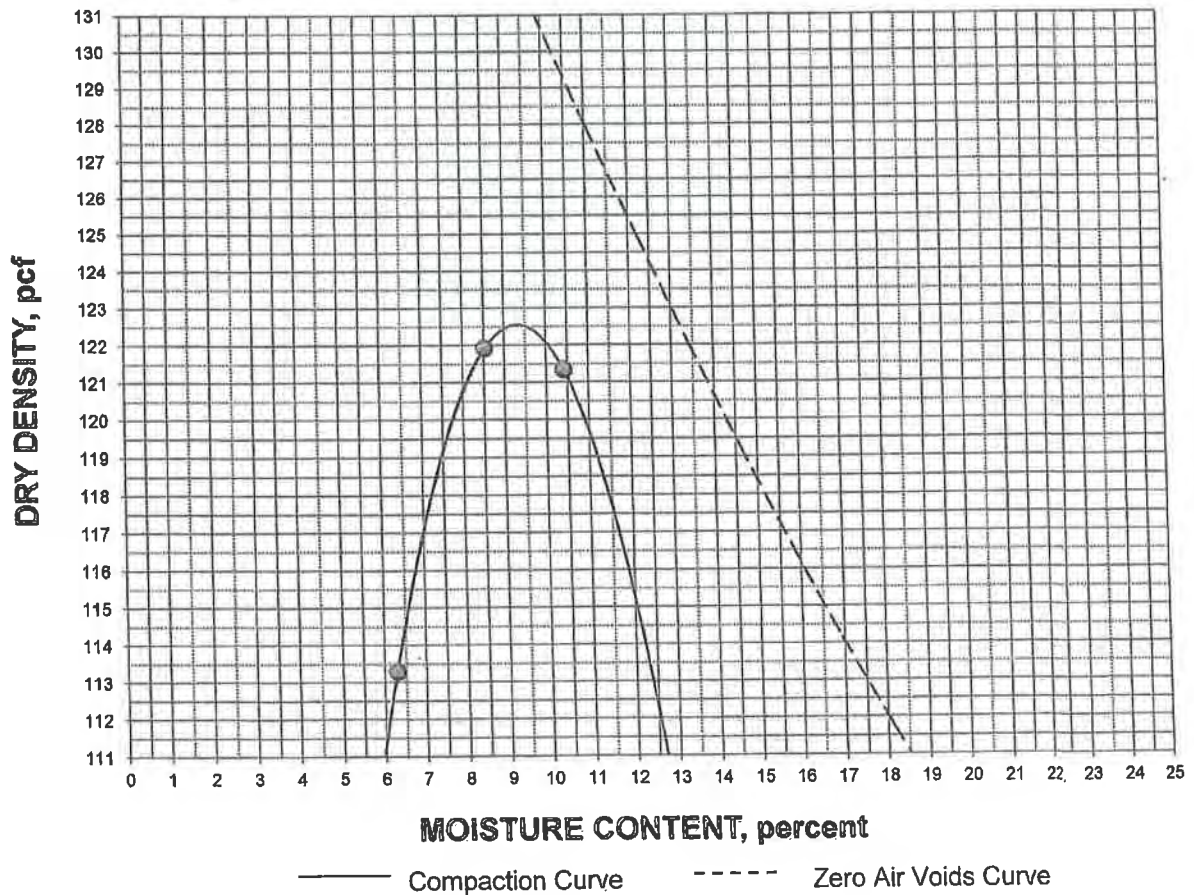
SPECIFIC GRAVITY: 2.65 (assumed)

SIEVE DATA:

Sieve Size	% Retained (Cumulative)
3/4"	0
3/8"	0
#4	0

MAXIMUM DRY DENSITY: 122.5 pcf

OPTIMUM MOISTURE: 9.3%





DIRECT SHEAR

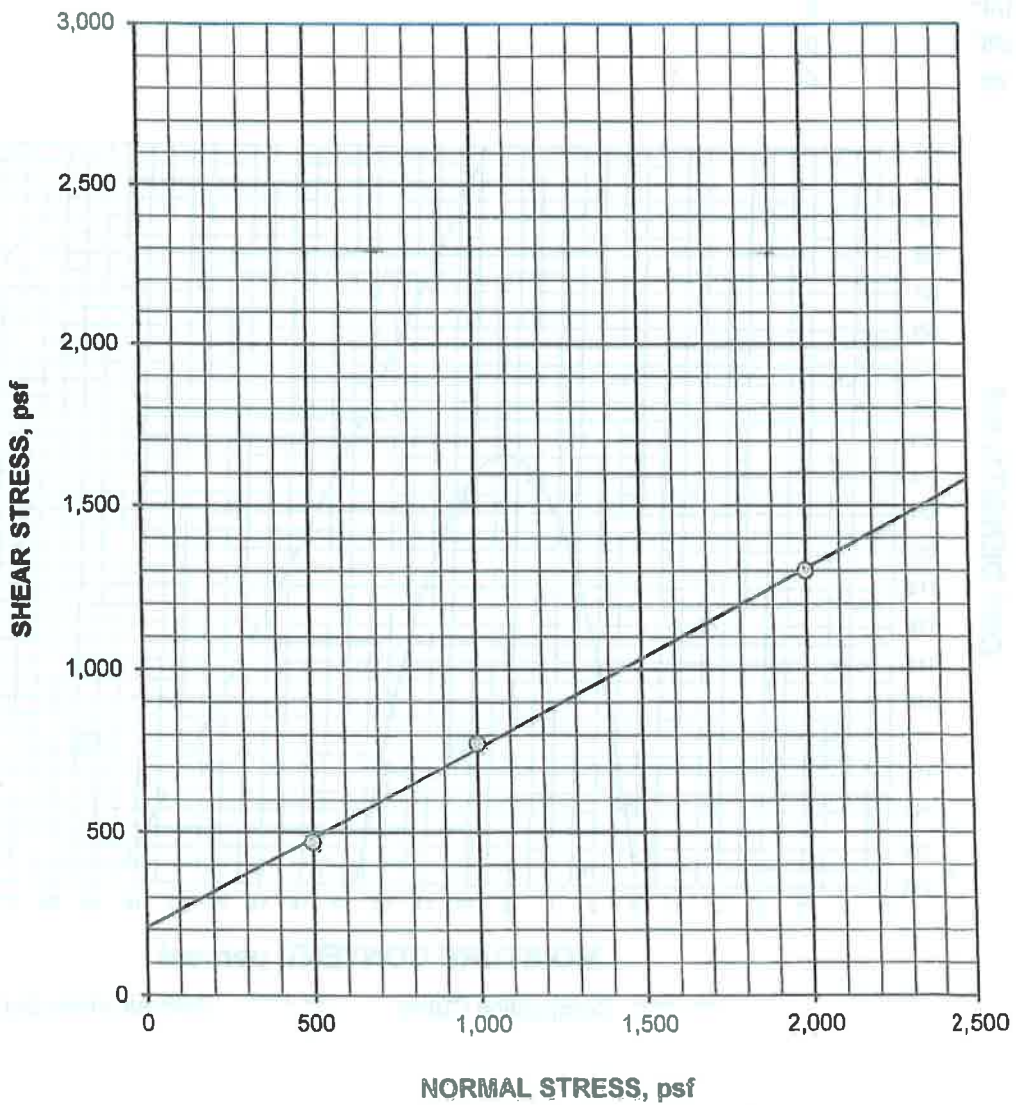
ASTM D 3080/D3080M-11 (modified for consolidated, undrained conditions)

March 17, 2014

Boring #3 @ 6.0 - 10.0'
Clayey Sand (SC)
Compacted to 90% RC, saturated

INITIAL DRY DENSITY: 110.3 pcf
INITIAL MOISTURE CONTENT: 9.3 %
PEAK SHEAR ANGLE (ϕ): 29°
COHESION (C): 208 psf

SHEAR vs. NORMAL STRESS





DIRECT SHEAR continued

ASTM D 3080/D3080M-11 (modified for consolidated, undrained conditions)

Boring #3 @ 6.0 - 10.0'

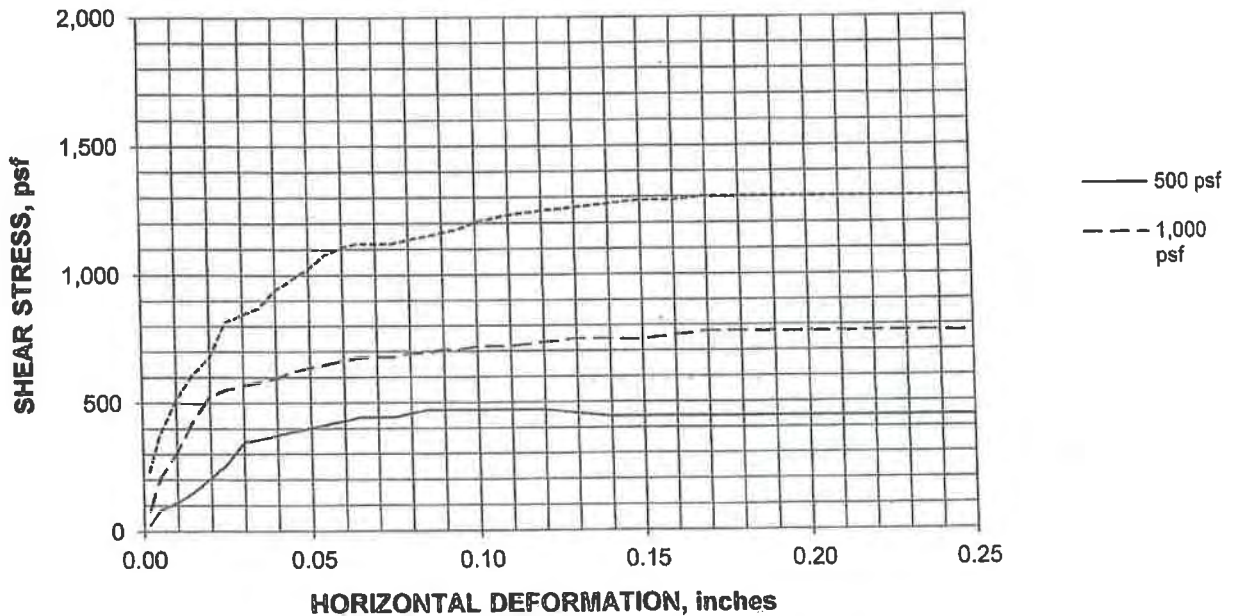
March 17, 2014

Clayey Sand (SC)

Compacted to 90% RC, saturated

SPECIFIC GRAVITY: 2.65 (assumed)

SAMPLE NO.:	1	2	3	AVERAGE
INITIAL				
WATER CONTENT, %	9.3	9.3	9.3	9.3
DRY DENSITY, pcf	110.3	110.3	110.3	110.3
SATURATION, %	49.4	49.4	49.4	49.4
VOID RATIO	0.499	0.499	0.499	0.499
DIAMETER, inches	2.375	2.375	2.375	
HEIGHT, inches	1.00	1.00	1.00	
AT TEST				
WATER CONTENT, %	19.4	19.8	19.9	
DRY DENSITY, pcf	111.4	112.8	117.6	
SATURATION, %	100.0	100.0	100.0	
VOID RATIO	0.484	0.466	0.406	
HEIGHT, inches	0.99	0.98	0.94	





Heritage Ridge Apartments

SL-15702-SF

PARTICLE SIZE ANALYSIS

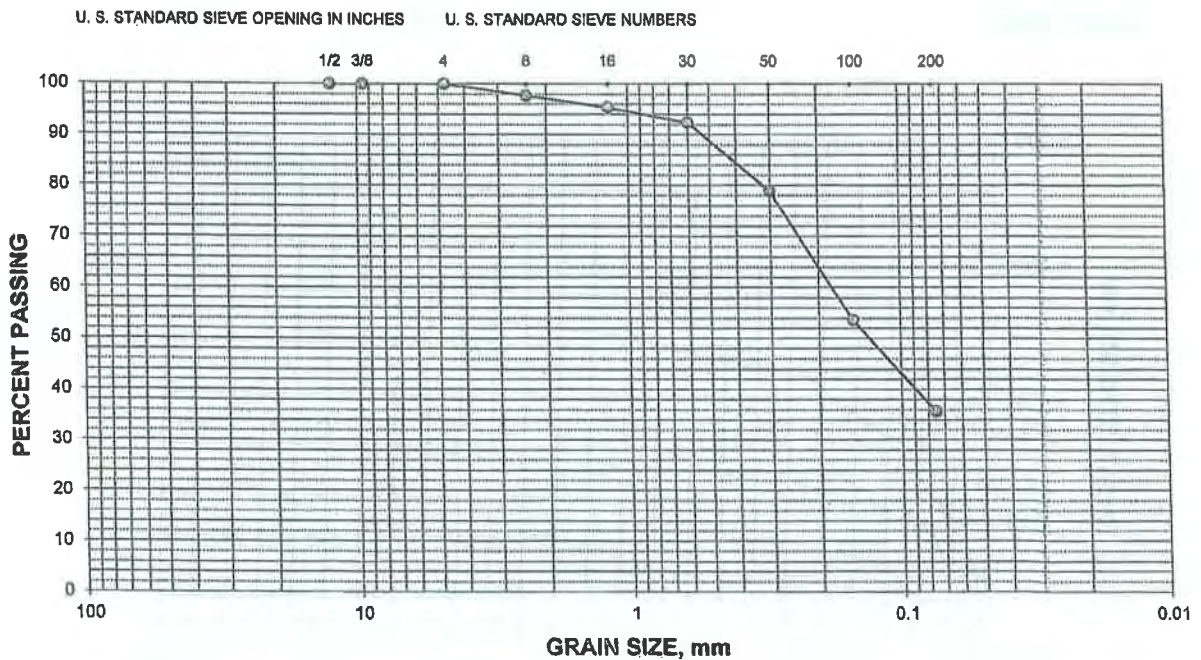
ASTM D 422-63/07; D 1140-00/06

Boring #4 @ 1.0 - 5.0'

March 17, 2014

Clayey Sand (SC)

Sieve size	% Retained	% Passing
1/2" (12.5-mm)	0	100
3/8" (9.5-mm)	0	100
#4 (4.75-mm)	0	100
#8 (2.36-mm)	2	98
#16 (1.18-mm)	5	95
#30 (600- μ m)	8	92
#50 (300- μ m)	21	79
#100 (150- μ m)	46	54
#200 (75- μ m)	64	36





Heritage Ridge Apartments

SL-15702-SF

MOISTURE-DENSITY COMPACTION TEST

ASTM D 1557-12

PROCEDURE USED: A

March 17, 2014

PREPARATION METHOD: Moist

Boring #4 @ 1.0 - 5.0'

RAMMER TYPE: Mechanical

Clayey Sand (SC)

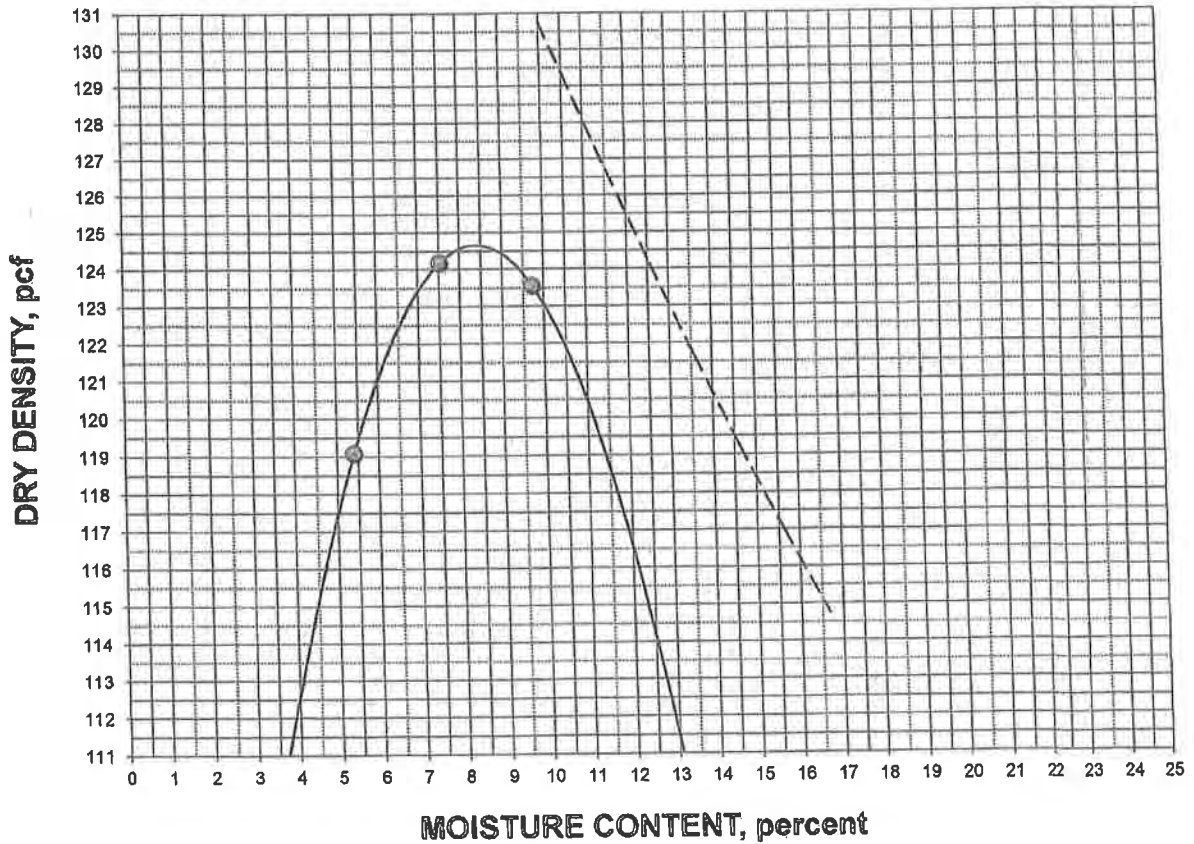
SPECIFIC GRAVITY: 2.65 (assumed)

SIEVE DATA:

Sieve Size	% Retained (Cumulative)
3/4"	0
3/8"	0
#4	0

MAXIMUM DRY DENSITY: 124.6 pcf

OPTIMUM MOISTURE: 8.4%



————— Compaction Curve - - - - - Zero Air Voids Curve



DIRECT SHEAR

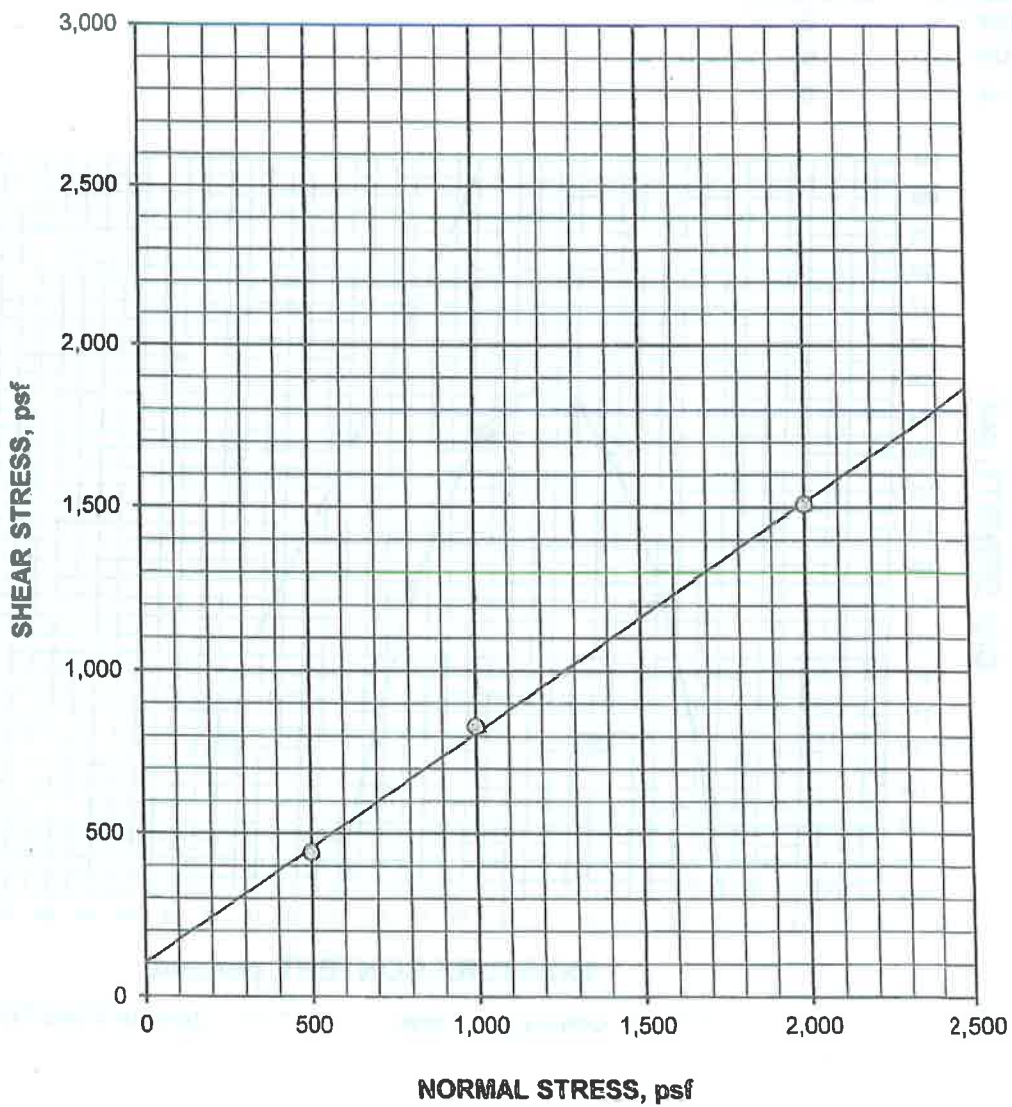
ASTM D 3080/D3080M-11 (modified for consolidated, undrained conditions)

March 17, 2014

Boring #4 @ 1.0 - 5.0'
Clayey Sand (SC)
Compacted to 90% RC, saturated

INITIAL DRY DENSITY: 112.2 pcf
INITIAL MOISTURE CONTENT: 8.4 %
PEAK SHEAR ANGLE (ϕ): 35°
COHESION (C): 104 psf

SHEAR vs. NORMAL STRESS





DIRECT SHEAR continued

ASTM D 3080/D3080M-11 (modified for consolidated, undrained conditions)

Boring #4 @ 1.0 - 5.0'

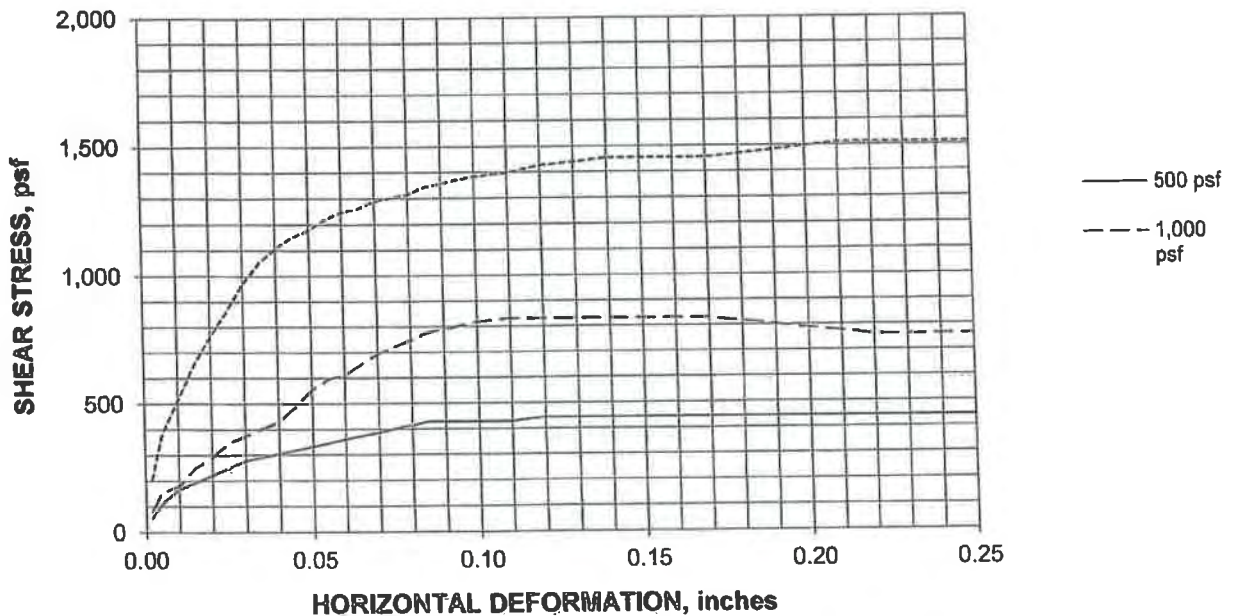
March 17, 2014

Clayey Sand (SC)

Compacted to 90% RC, saturated

SPECIFIC GRAVITY: 2.65 (assumed)

SAMPLE NO.:	1	2	3	AVERAGE
INITIAL				
WATER CONTENT, %	8.4	8.4	8.4	8.4
DRY DENSITY, pcf	112.2	112.2	112.2	112.2
SATURATION, %	47.0	47.0	47.0	47.0
VOID RATIO	0.474	0.474	0.474	0.474
DIAMETER, inches	2.375	2.375	2.375	
HEIGHT, inches	1.00	1.00	1.00	
AT TEST				
WATER CONTENT, %	18.0	17.6	17.0	
DRY DENSITY, pcf	113.0	113.9	119.0	
SATURATION, %	100.0	100.0	100.0	
VOID RATIO	0.464	0.452	0.390	
HEIGHT, inches	0.99	0.99	0.94	





CONSOLIDATION TEST

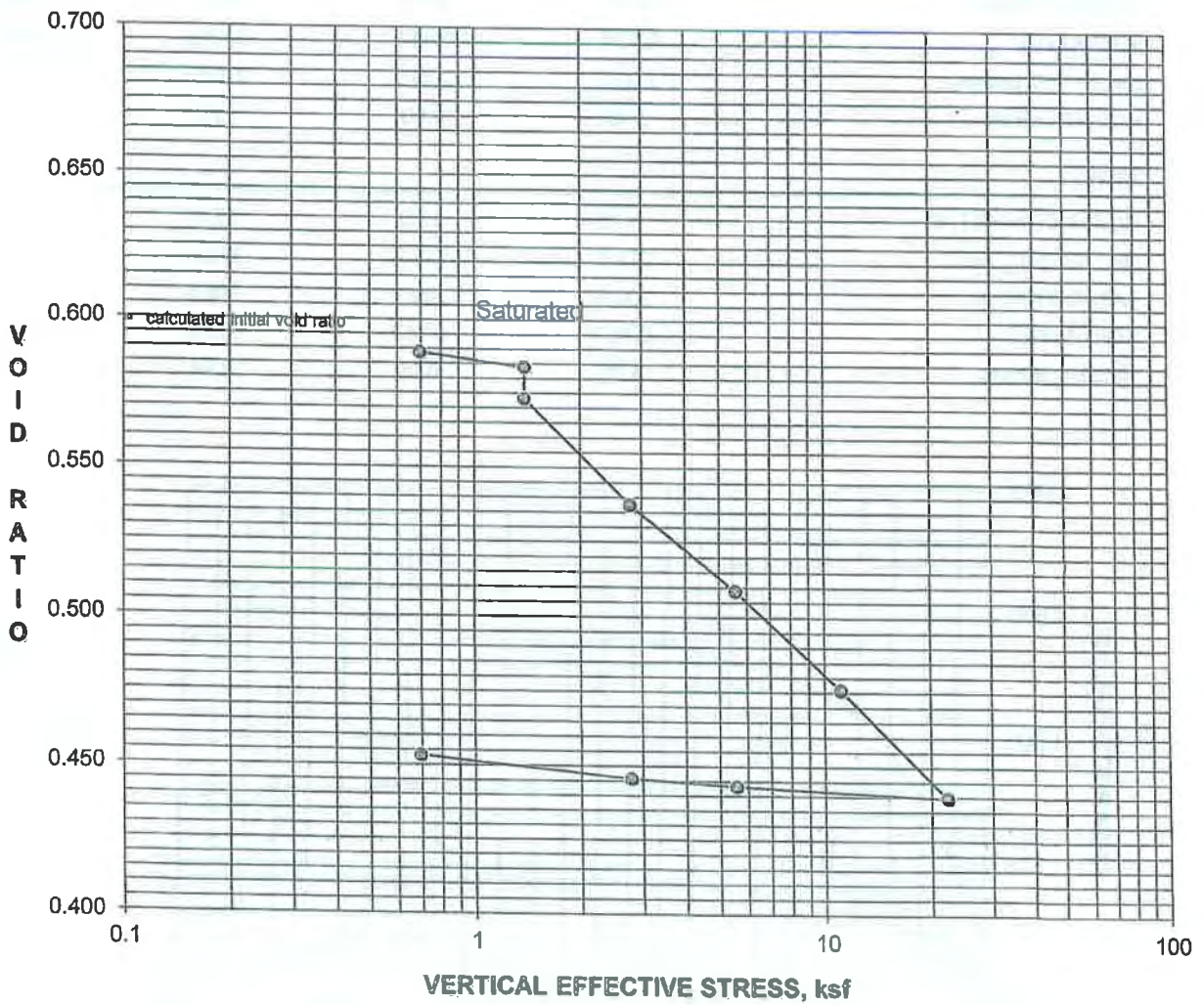
ASTM D 2435/D2435M-11

March 17, 2014

Boring #4 @ 6.0 - 6.5'
Clayey Sand (SC)
Ring Sample

DRY DENSITY: 103.5 pcf
MOISTURE CONTENT: 7.5%
SPECIFIC GRAVITY: 2.65 (assumed)
INITIAL VOID RATIO: 0.599

VOID RATIO vs. NORMAL PRESSURE DIAGRAM





CONSOLIDATION TEST

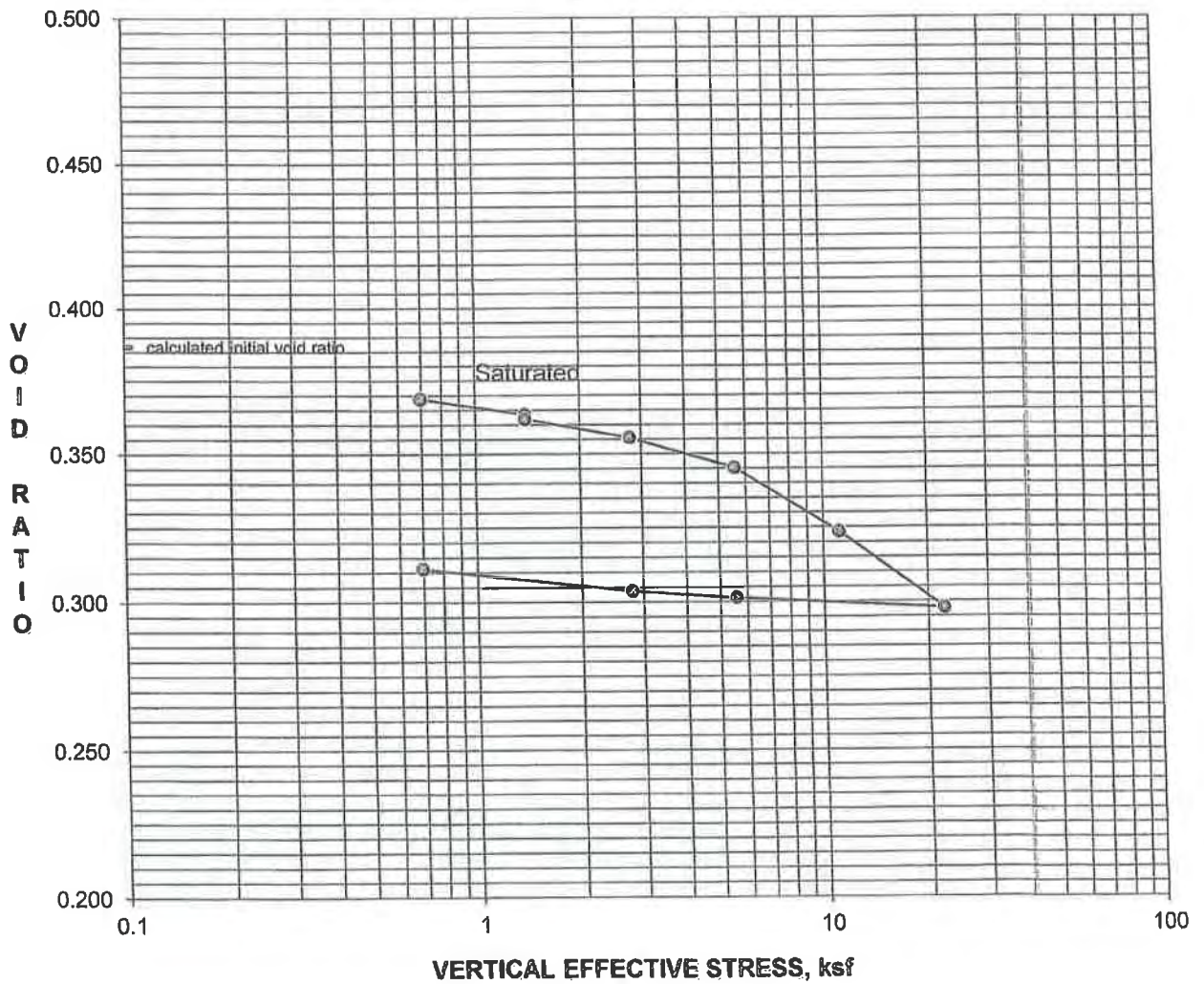
ASTM D 2435/D2435M-11

March 17, 2014

Boring #6 @ 16.0 - 16.5'
Clayey Sand (SC)
Ring Sample

DRY DENSITY: 119.3 pcf
MOISTURE CONTENT: 11.3%
SPECIFIC GRAVITY: 2.65 (assumed)
INITIAL VOID RATIO: 0.387

VOID RATIO vs. NORMAL PRESSURE DIAGRAM





Heritage Ridge Apartments

SL-15702-SF

PARTICLE SIZE ANALYSIS

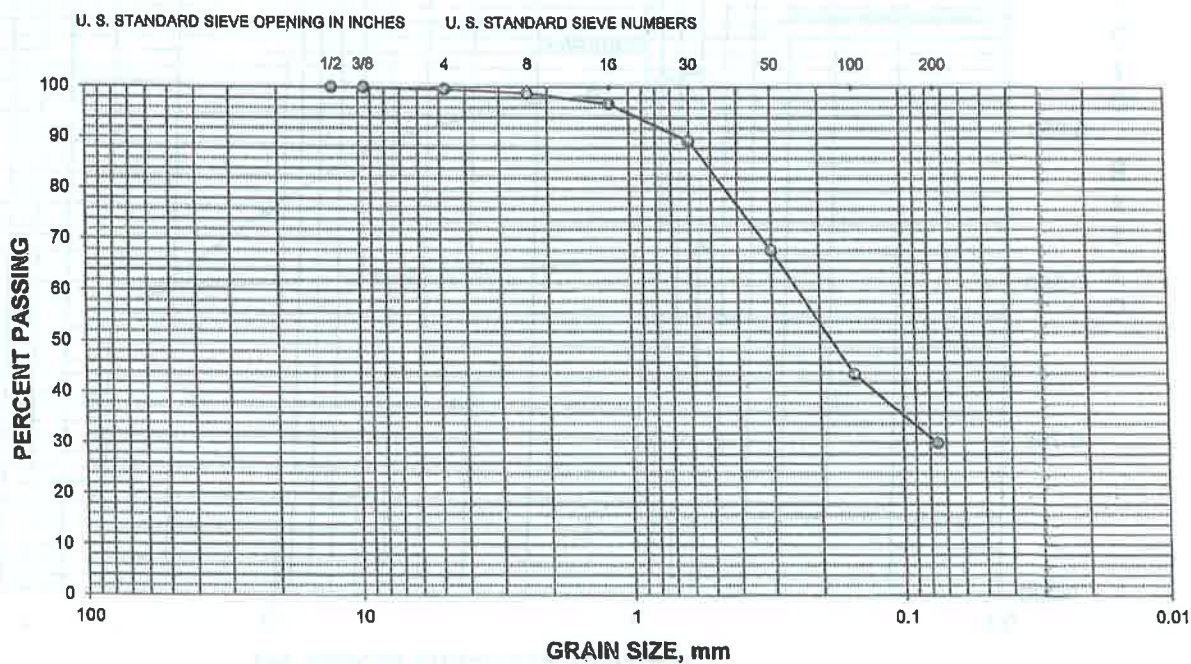
ASTM D 422-63/07; D 1140-00/06

Boring #7 @ 30.0 - 31.5'

March 17, 2014

Clayey Sand (SC)

Sieve size	% Retained	% Passing
1/2" (12.5-mm)	0	100
3/8" (9.5-mm)	0	100
#4 (4.75-mm)	0	100
#8 (2.36-mm)	1	99
#16 (1.18-mm)	3	97
#30 (600- μ m)	11	89
#50 (300- μ m)	32	68
#100 (150- μ m)	56	44
#200 (75- μ m)	70	30





Heritage Ridge Apartments

SL-15702-SF

PARTICLE SIZE ANALYSIS

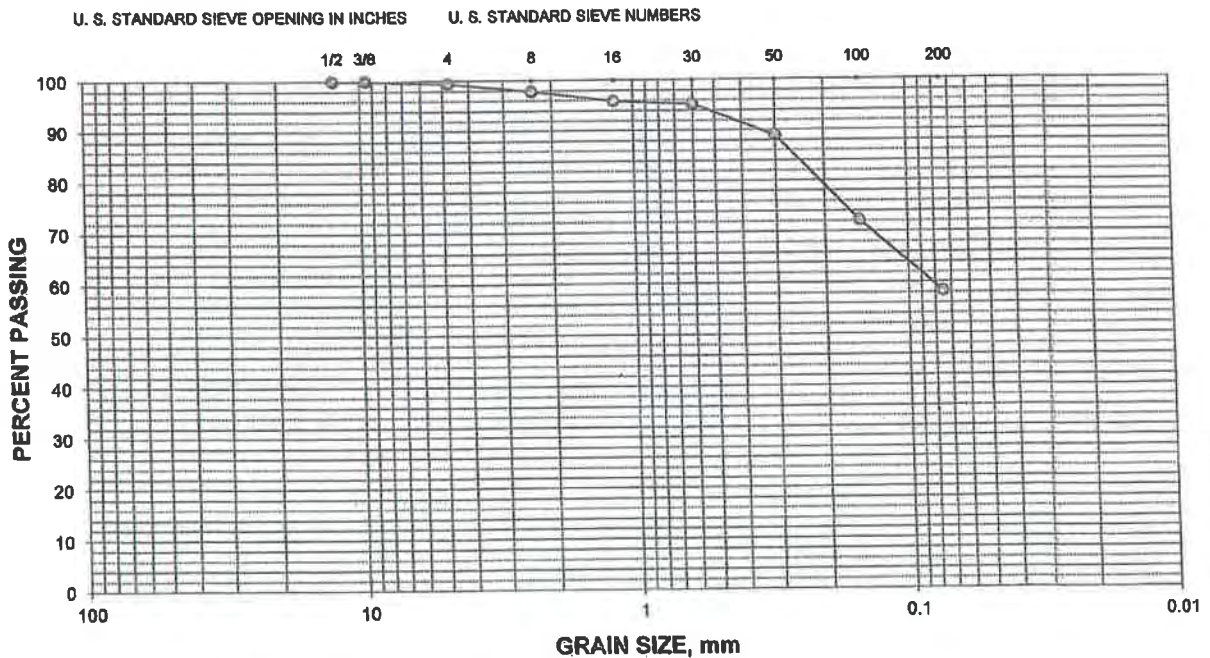
ASTM D 422-63/07; D 1140-00/06

Boring #7 @ 40.0 - 41.5'

March 17, 2014

Sandy Lean Clay (CL)

Sieve size	% Retained	% Passing
1/2" (12.5-mm)	0	100
3/8" (9.5-mm)	0	100
#4 (4.75-mm)	1	99
#8 (2.36-mm)	2	98
#16 (1.18-mm)	4	96
#30 (600- μ m)	5	95
#50 (300- μ m)	11	89
#100 (150- μ m)	28	72
#200 (75- μ m)	42	58





APPENDIX C

Corrosion Evaluation Report Prepared by Cerco Analytical

Item	Description	Material	Location	Notes
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CERCO analytical
1100 Willow Pass Court, Suite A
Concord, CA 94520-1306
925-680-6110 Fax: 925-401-1111
www.cercoanalytical.com

13 March, 2014

Job No.1403033
Cust. No.12651

Mr. Doug Dunham, P.E., G.E.
Earth Systems Pacific
2049 Preisker Lane, Suite E
Santa Maria, CA 93454

Subject: Project No.: SL-15702-SF
Project Name: Willow Springs North, Goleta, CA
Corrosivity Analysis – CalTrans Test Methods

Dear Mr. Dunham:

Pursuant to your request, CERCO Analytical has analyzed the soil samples submitted on March 03, 2014. Based on the analytical results, a brief corrosivity evaluation is enclosed for your consideration.

Based upon the resistivity measurements, Sample No.001 is classified as "corrosive" and Sample No.002 is classified as "moderately corrosive". All buried iron, steel, cast iron, ductile iron, galvanized steel and dielectric coated steel or iron should be properly protected against corrosion depending upon the critical nature of the structure. All buried metallic pressure piping such as ductile iron firewater pipelines should be protected against corrosion.

The chloride ion concentrations ranged from 28 to 73 mg/kg and are determined to be insufficient to attack steel embedded in a concrete mortar coating.

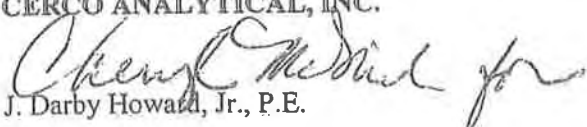
The sulfate ion concentrations ranged from 150 to 160 mg/kg and are determined to be insufficient to damage reinforced concrete structures and cement mortar-coated steel at these locations.

The pH of the soils ranged from 8.25 to 8.26, which does not present corrosion problems for buried iron, steel, mortar-coated steel and reinforced concrete structures.

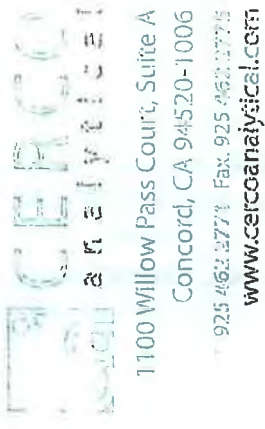
This corrosivity evaluation is based on general corrosion engineering standards and is non-specific in nature. For specific long-term corrosion control design recommendations or consultation, please call *JDH Corrosion Consultants, Inc.* at (925) 927-6630.

We appreciate the opportunity of working with you on this project. If you have any questions, or if you require further information, please do not hesitate to contact us.

Very truly yours,
CERCO ANALYTICAL, INC.


J. Darby Howard, Jr., P.E.
President

JDH/jdl
Enclosure



Client: Earth Systems Pacific
 Client's Project No.: SL-15702-SF
 Client's Project Name: Willow Springs North, Goleta, CA
 Date Sampled: 25-Feb-14
 Date Received: 6-Mar-14
 Matrix: Soil
 Authorization: Letter Dated March 03, 2014

Date of Report: 13-Mar-2014

Job/Sample No.	Sample I.D.	Moisture (%)	pH	Min.Resistivity (ohms-cm)**	Sulfide (mg/kg)*	Chloride (mg/kg)*	Sulfate (mg/kg)*
1403033-001	Boring 3 (B-3) @ 6-10'	-	8.26	1,400	-	28	150
1403033-002	Boring 4 (B-4) @ 1-5'	-	8.25	2,300	-	73	160
Method:		226	CT 532/643	CT 532/643	-	CT 422/ASTM D4327	CT 417/ASTM D4327
Detection Limit:		-	-	-	50	15	15
Date Analyzed:		-	12-Mar-2014	10-Mar-2014	-	12-Mar-2014	12-Mar-2014

Signature: *Cheryl McMillen*
 Cheryl McMillen
 Laboratory Director
 * Results Reported on an "As Received" Basis
 All laboratory quality control parameters were found to be within established limits



APPENDIX D

Infiltration Test Results



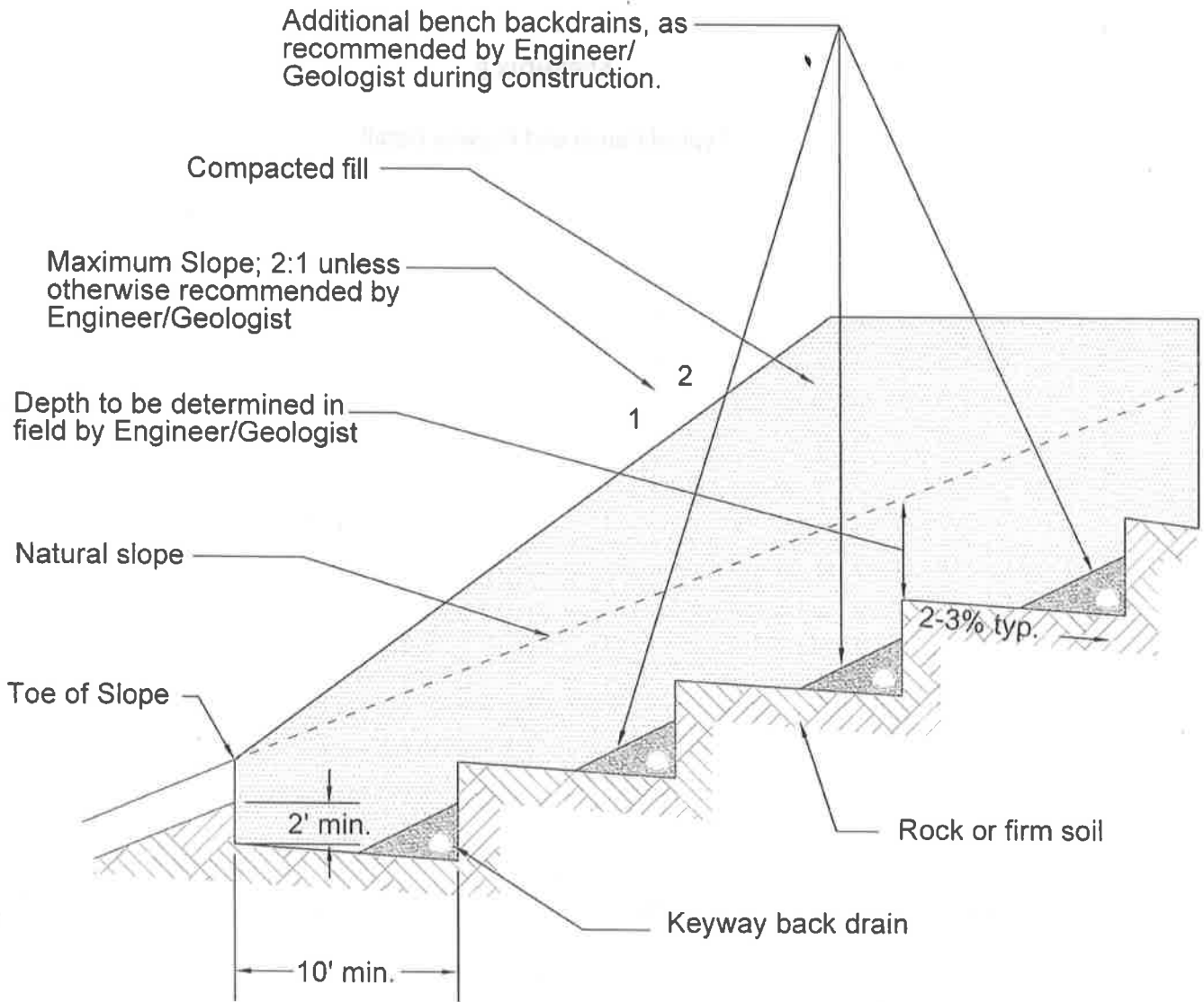
APPENDIX E

Typical Bench and Keyway Detail

BENCH and KEYWAY DETAIL (Typical)

HERITAGE RIDGE APARTMENTS

North of Calle Koral and Camino Vista
Goleta, California



SCHEMATIC ONLY
NOT TO SCALE



Earth Systems Pacific

April 11, 2014

SMK

2049 North Preisker Lane, Suite E
Santa Maria, California, 93454

(805) 928-2991 • FAX (805) 928-9253

E-mail: esc@earthsys.com

SL-15702-SF



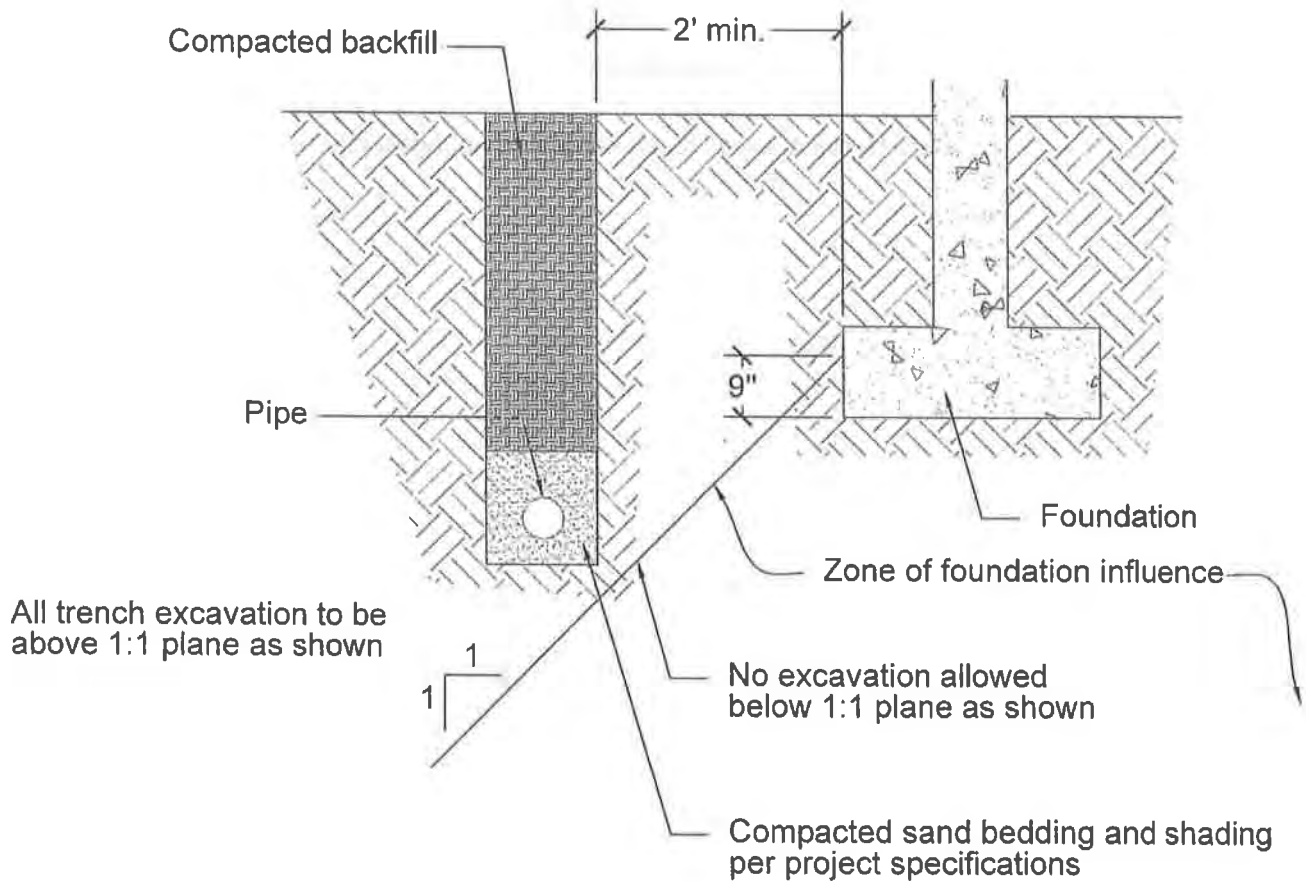
APPENDIX F

Typical Detail A: Pipe Placed Parallel to Foundations

TYPICAL DETAIL A: PIPE PLACED PARALLEL TO FOUNDATIONS

HERITAGE RIDGE APARTMENTS

North of Calle Koral and Camino Vista
Goleta, California



SCHEMATIC ONLY
NOT TO SCALE



Earth Systems Pacific

SI 15702 SC

2049 North Preisker Lane, Suite E
Santa Maria, California 93454

(805) 928-2991 • FAX (805) 928-9253

E-mail: esp@earthsp.com

Details for Order #107-7219677-7152222

[Print this page for your records.](#)

Order Placed: August 11, 2014

Amazon.com order number: 107-7219677-7152222

Order Total: \$704.06

Not Yet Shipped

Items Ordered

2 of: *Parvez Taj 45 by 30-Inch Kortoba Canvas Ready to Hang Artwork*
Sold by: Amazon.com LLC

Price
\$325.95

Condition: New

Shipping Address:

Willow Springs Apartments: Mary Sue Pouliot
60 WILLOW SPRINGS CT
GOLETA, CALIFORNIA 93117-5464
United States

Shipping Speed:

Two-Day Shipping

Payment information

Payment Method:

American Express | Last digits: 1002

Item(s) Subtotal: \$651.90
Shipping & Handling: \$0.00

Billing address

The Towbes Group: Mary Sue Pouliot
21 E. Victoria Street
Suite 200
Santa Barbara, California 93101
United States

Total before tax: \$651.90
Estimated tax to be collected: \$52.16

Grand Total: \$704.06

To view the status of your order, return to [Order Summary](#).

Please note: This is not a VAT invoice.



DRAFT

**RESULTS OF SOIL ANALYSIS,
NORTHWEST STOCKPILE
HERITAGE RIDGE APARTMENTS PROJECT
NEC LOS CARNEROS ROAD AND CALLE KORAL
GOLETA, CALIFORNIA**

August 1, 2014

prepared for

The Towbes Group, Inc.
21 E. Victoria Street, Suite 200
Santa Barbara, California 93101

prepared by

Earth Systems Pacific
4378 Old Santa Fe Road
San Luis Obispo, California 93401



DRAFT

1.0 INTRODUCTION

This report presents the results of soil analysis conducted for the proposed Heritage Ridge Apartments project in Goleta, California. The work was performed with the intent to evaluate the potential presence of contaminants and the general suitability for use as fill of a large soil stockpile at the site, prior to being used on-site or exported off-site. The work performed during this sampling event has consisted of:

- Drilling six soil borings to a maximum depth of 26.5 feet
- Collecting soil samples from various depths in the borings
- Laboratory analysis of soil samples for total petroleum hydrocarbons, volatile organic compounds, polynuclear aromatic hydrocarbons, metals, pH, salinity and free lime.
- Evaluating the suitability of the stockpiled soil for use at the project site, or for export to other sites.
- Data analysis and preparation of this report

2.0 SITE DESCRIPTION

The study area consists of a roughly rectangular soil stockpile located at the northeast corner of Los Carneros Road and Calle Koral in Goleta, California (see Vicinity Map and Boring Location Map). The stockpile covers an area of approximately 3 acres and contains an estimated 300,000 cubic yard (cy) of soil, which was brought to the site from various locations in the early 2000's. The stockpile varies from 10 to 20+ feet in height. The area around the stockpile is occupied by the Willow Springs residential development, an assemblage of apartments and townhomes to the south and east of the site.

3.0 BACKGROUND

The Heritage Ridge Apartments project is proposed to be built in the area beneath and north of the existing soil stockpile. Development of the site will utilize approximately 150,000 to 200,000 cy of the 300,000 cy of soil present in the stockpile; the remaining soil is planned to be exported from the site.

In June 2010, five borings were drilled on the stockpile to evaluate its suitability (from a geotechnical standpoint) for use as fill on the site. In each of the borings, soils were encountered that contained what was noted in boring logs as a 'slight hydrocarbon odor' and a gray to dark gray discoloration. The discolored soils were found beginning at depths ranging



from 10 to 15 feet below ground surface (bgs), with boring logs indicating an estimated thickness of 6 to 13 feet.

Because the 2010 assessment was geotechnical in nature, chemical testing of the soil was not conducted. In order to evaluate the suitability of the stockpiled for use on the subject site or as export soil on other projects, the Towbes Group requested that additional assessment of the stockpile be made, to include chemical testing for organic and inorganic compounds that could have an effect on its use.

4.0 ENVIRONMENTAL SETTING

4.1 Geology

The site is situated in the Goleta Valley, in the Transverse Ranges geomorphic province of California. The province is bordered on the south and west by the Pacific Ocean, on the north by the Coast Ranges geomorphic province, and on the east by the Peninsular Ranges geomorphic province (Norris and Webb, 1992). The Goleta Valley is an east-west trending valley typical of the Transverse Ranges. The valley is underlain by sedimentary rocks of the Rincon, Sisquoc and Monterey Formations, and capped by a layer of alluvial/colluvial materials derived from the Santa Ynez Mountains. Site soils consist of fine sandy loam assigned to the Milpitas and Positas series by the United States Department of Agriculture (USDA, 2011). Site topography is relatively flat, with a very gentle slope to the south. Adjacent properties are also level, with overall drainage by sheet flow toward the south.

4.2 Groundwater

Depth to first groundwater in the site area varies with seasonal precipitation but is typically shallow, occurring between 6 and 10 feet bgs (as measured from the ground elevation at the base of the stockpile). Groundwater was not encountered in any of the borings for this assessment, which were advanced to a maximum depth of 26.5 feet (as measured from the top of the stockpile). Surface water runoff at the site is directed toward the south by sheet flow to the City storm drain system.

5.0 SAMPLING ACTIVITIES AND FINDINGS

5.1 Field Sampling Activities

Soil sampling was conducted July 1, 2014. The event consisted of drilling six soil borings at the locations shown on the Boring Location Map attached with this report. The borings were advanced using a truck-mounted drill equipped with 6-inch diameter hollow stem auger, with soil samples collected at approximately 5-foot depth intervals beginning at 10 feet bgs. Soil samples for organic and metals analysis were collected with a 2.5-inch diameter split-spoon sampler, using stainless steel sleeves to retain soil. Upon retrieval from the sampler, the sample sleeves were capped with Teflon, placed in sealable plastic bags, labeled and put on ice

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for transport to the testing laboratory. Samples for wet chemistry analysis (pH, salinity and lime) were collected as grab samples directly from the auger cuttings, placed in sealable plastic bags, labeled and placed on ice. Head-space vapor readings were collected from the samples using a field photoionization detector (PID).

Sampling equipment was cleaned between samples to reduce the potential for cross-contamination. Decontamination procedures consisted of a non-phosphate detergent wash, a double rinse in clear water and a final rinse with deionized water and air drying.

5.2 Field Observations

Fill soils were encountered in each of the borings, and ranged in thickness from 13 to 21 feet. The fill consisted primarily of granular soils comprising silty sand, clayey sand and poorly graded sand, with lesser amounts of sandy lean clay. The soils were in a slightly moist to moist and loose to medium dense condition.

The gray/dark gray fill soils recorded on the 2010 boring logs were found in all but one of the six borings drilled in July 2014. The discolored soils were first encountered at depths ranging from 7 to 12 feet below ground surface, with thicknesses ranging from 3.5 to 10 feet. They consisted of silty sand, poorly graded sand with gravel, and sandy clay, and locally contained small amounts of concrete fragments, plant material and plastic. They evinced a sulfurous, swampy odor, likely due to the presence of oxygen-reducing bacteria and organic (plant) matter. No measureable PID head-space readings were obtained from any of the samples. In all cases, the discolored soils were at the bottom of the stockpile and were directly underlain by native soil.

The areas with the greatest thickness of discolored soil were in the north and northwest parts of the stockpile, and were approximately 8 to 10 feet thick. The discolored soil layer was thinner in the southern half of the pile, approximately 3.5 to 6 feet thick; no discolored soil was encountered in boring SP-2, located in the southeast corner of the pile. The thicknesses encountered were smaller than those reported on the 2010 boring logs. Boring logs are attached with this report as Appendix B.

6.0 LABORATORY ANALYSIS

Laboratory analysis was performed by Oilfield Environmental and Compliance (OEC) of Santa Maria, California and Fruit Growers Laboratories (FGL) of Santa Paula, California. The samples were submitted for analysis as shown below.



<u>Compound Class</u>	<u>Test Method</u>	<u>No. Samples Analyzed</u>
Total Petroleum Hydrocarbons (C ₄ -C ₄₀)	EPA 8015M	12
Volatile Organic Compounds	EPA 8260B/3550	6
Polynuclear Aromatic Hydrocarbons	EPA 8070-SIM	6
Title 22 Metals (CAM)	EPA 6010/7471	6
pH	EPA 150.1	12
Salinity	SM 2520B	12
Free Lime (Limestone)	ASA/UC	12

7.0 RESULTS OF LABORATORY ANALYSIS

Analytical results for July 2014 sampling event are discussed below.

7.1 Total Petroleum Hydrocarbons (TPH)

Gasoline-range (C₄-C₁₂) TPH was not detected in any of the samples analyzed, with a reporting limit of 0.48 to 0.51 mg/kg. Diesel-range (C₁₃-C₂₂) and motor oil-range (C₂₃-C₄₀) extractable TPH was detected in one of the samples, at concentrations of 190 and 100 mg/kg, respectively. Extractable TPH was not detected in any of the other samples analyzed, with reporting limits of 10 to 50 mg/kg.

7.2 Volatile Organic Compounds (VOCs)

VOCs were not detected in any of the samples submitted for analysis, with reporting limits of 0.0048 to 0.049 mg/kg.

7.3 Polynuclear Aromatic Hydrocarbons (PAHs)

Seven of the 16 PAH compounds targeted by EPA Test Method 8270 were detected in four of the six samples submitted for analysis. In general, the PAHs were only detected in the discolored fill soils, and were present in the low part-per-billion range; their significance to the project is discussed further in section 8.3. PAHs were not detected in samples from borings SP-2 and SP-5, with reporting limits of 0.005 to 0.010 mg/kg.

7.4 Metals

Eleven of the seventeen Title 22 metals were detected in the samples submitted for analysis. These metals included arsenic, barium, cadmium, chromium, cobalt, copper, lead, molybdenum, nickel, vanadium and zinc.

7.5 pH

Values for pH in the soil samples were slightly basic, and ranged from 7.67 to 8.58.



7.6 Salinity

Salinity values for the samples were relatively low to low/moderate, and ranged from 0.24 to 2.4 millimhos per centimeter (mmhos/cm), equivalent to less than 1.0 to 5.4 salinity units.

7.7 Free Lime

Free lime (as limestone) was present in 10 of the 12 samples analyzed, at concentrations ranging from 0.1% to 0.6%. Free lime was not detected in two of the samples, with a reporting limit of 0.10%.

Laboratory results are summarized in tabular form in Tables 1 through 4.

TABLE 1
RESULTS OF LABORATORY ANALYSIS-
TOTAL PETROLEUM HYDROCARBONS, VOCs

	TPH, C ₄ -C ₁₂	TPH, C ₁₃ -C ₂₂	TPH, C ₂₃ -C ₄₀	VOCs
SP-1@10-10.5'	<0.50	<10	<50	All <0.0048
SP-1@15-15.5'	<0.50	<10	<50	--
SP-2@15-15.5'	<0.50	<10	<50	--
SP-2@20-20.5'	<0.50	<10	<50	--
SP-3@15-15.5'	<0.49	<10	<50	All <0.0049
SP-3@20-20.5'	<0.49	<10	<50	--
SP-4@15-15.5'	<0.48	<10	<50	All <0.0049
SP-4@20-20.5'	<0.48	<10	<50	--
SP-5@15-15.5'	<0.48	<10	<50	All <0.0049
SP-5@20-21'	<0.51	<10	<50	All <0.0048
SP-6@15-15.5'	<0.49	<10	<50	All <0.0049
SP-6@20-20.5'	<0.50	190	100	--
ESL	100	500	500	varies

All results expressed in milligrams per kilogram (mg/kg)

<10 Not detected at reporting limit shown; VOC reporting limits 0.0048 to 0.0049 mg/kg



**TABLE 2
RESULTS OF LABORATORY ANALYSIS-
POLYNUCLEAR AROMATIC HYDROCARBONS**

	SP-1 @ 10-10.5'	SP-2@ 15-15.5'	SP-4@ 15-15.5'	SP-5@ 15-15.5'	SP-5@ 20-21'	SP-6@ 15-15.5'	ESL*
Acenaphthene	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	16
Acenaphthylene	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	13
Anthracene	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	2.8
Benzo(a)anthracene	<0.0050	<0.0050	<0.0050	0.0056	<0.0050	0.0080	0.38
Benzo(b)fluoranthene	<0.0050	<0.0050	<0.0050	0.0076	<0.0050	0.015	0.38
Benzo(k)fluoranthene	<0.0050	<0.0050	0.0060	0.0080	<0.0050	0.0073	0.38
Benzo(a)pyrene	<0.0050	<0.0050	<0.0050	0.0080	<0.0050	0.0090	0.038
Benzo(g,h,i)perylene	<0.010	<0.0099	<0.010	<0.010	<0.010	<0.0050	27
Chrysene	<0.0050	<0.0050	<0.0050	0.0070	<0.0050	0.0060	3.8
Dibenz(a,h)anthracene	<0.010	<0.0099	<0.010	<0.010	<0.010	<0.0050	0.11
Fluoranthene	0.0053	<0.0050	0.012	0.013	<0.0050	0.018	40
Fluorene	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	8.9
Indeno(1,2,3-cd)pyrene	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.38
Naphthalene	<0.010	<0.0099	<0.010	<0.010	<0.010	<0.0050	1.2
Phenanthrene	<0.0050	<0.0050	0.0050	<0.0050	<0.0050	0.0090	11
Pyrene	0.0060	<0.0050	0.011	0.010	<0.0050	0.017	85

All results expressed in mg/kg

<0.0050 = Not detected at reporting limit shown

* Environmental Screening Level, residential setting/shallow soil (<3m), CRWQCB-SFBR, May 2013.

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**TABLE 3
RESULTS OF LABORATORY ANALYSIS-METALS**

	SP-1 @ 10-10.5'	SP-2@ 15-15.5'	SP-4@ 15-15.5'	SP-5@ 15-15.5'	SP-5@ 20-21'	SP-6@ 15-15.5'	ESL*
Antimony	<2.4	<2.4	<2.4	<2.4	<2.4	<2.5	20
Arsenic	2.3	10	2.0	4.3	8.6	3.3	0.39
Barium	37	76	43	63	220	64	750
Beryllium	<0.48	1.4	<0.49	<0.49	<0.48	<0.49	4.0
Cadmium	<0.24	<0.24	<0.24	<0.24	4.0	<0.25	12
Chromium	14	49	13	23	75 (0.24)†	24	750
Cobalt	3.2	5.5	3.1	5.1	6.1	6.5	23
Copper	5.2	24	6.1	27	36	8.8	230
Lead	3.9	10	3.7	6.4	6.0	5.6	80
Mercury	<0.090	<0.084	<0.097	<0.090	<0.096	<0.078	6.7
Molybdenum	0.61	0.80	<0.49	1.0	3.1	0.62	40
Nickel	12	35	13	23	77	22	150
Selenium	<1.9	<1.9	<1.9	<2.0	<1.9	<2.0	10
Silver	<0.48	<0.48	<0.49	<0.49	<0.48	<0.49	20
Thallium	<0.95	1.4	<0.97	<0.98	1.6	<0.99	2.9
Vanadium	16	46	13	24	110	24	200
Zinc	17	65	17	51	92	30	600

All results expressed in milligrams per kilogram (mg/kg)

<2.4 Not detected at reporting limit shown, in mg/kg

† Value in parentheses is soluble concentration by California Waste Extraction Test, in mg/L

* Environmental Screening Level, residential setting/shallow soil (<3m), RWQCB-SFBR, May 2013.

**TABLE 4
RESULTS OF LABORATORY ANALYSIS-
INORGANIC/WET CHEMISTRY**

	pH (pH units)	Salinity (Salinity Units/Conductivity*)	Free Lime (% by weight)
SP-1@ 3-5'	7.98	1.5/0.72	0.2
SP-1@ 10-11'	8.55	2.2/1.0	0.3
SP-2@ 5-8'	8.06	2.1/0.98	0.1
SP-2@ 20-21'	7.91	<1.0/0.46	<0.10
SP-3@ 8-10'	7.87	1.9/0.90	<0.10
SP-3@ 13-15'	8.25	1.7/0.78	0.2
SP-4@ 7-10'	8.43	<1.0/0.24	<0.10
SP-4@ 15-16'	8.46	2.4/1.1	0.3
SP-5@ 1-4'	8.58	<1.0/2.2	0.5
SP-5@ 16-18'	7.67	4.2/1.9	0.6
SP-6@ 5-7'	7.74	5.4/2.4	0.3
SP-6@ 15-16'	8.03	2.1/0.98	0.8
Regulatory Limit	Between 2.0-12.5	NA	NA

<1.0 = Not detected at reporting limit shown

* Conductivity values are for 1:1 soil/DI water extract at 22°C, expressed in mmhos/cm



8.0 DISCUSSION OF ANALYTICAL RESULTS

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To evaluate whether the compounds detected in the stockpile soil would affect its suitability for use as construction fill, Earth Systems Pacific compared analytical results for organic compounds and metals to health-based Environmental Screening Levels (ESLs) established by the California Regional Water Quality Control Board (CRWQCB). These thresholds have been developed using standard exposure assumptions and toxicity data published by the USEPA and California EPA (CRWQCB, 2013).

ESLs have been established for a variety of exposure scenarios. At this project, the soil will be used for fill in a residential setting, although export soil may be used for less sensitive uses. Consequently, analytical results were compared to Tier 1 ESLs, derived from a residential (unrestricted), shallow-soil exposure setting, as it is the most conservative of the exposure scenarios.

For the inorganic/wet chemistry results, with the exception of pH no specific regulatory limits exist pertaining to its use as construction fill. The pH limits are related to corrosivity; wastes with a pH less than 2 or greater than 12.5 are classified as hazardous due to their corrosive potential. In addition, the City of Goleta has placed restrictions on pH for soils placed in archaeological resource areas, with a range of 6.5 to 7.5. Salinity and free lime do not have specific numeric limits, and their effects would be limited to landscaping considerations.

8.1 Total Petroleum Hydrocarbons (TPH)

Gasoline-range TPH was not detected in any of the samples submitted for analysis. Consequently, it does not present a concern for use of the soils as fill.

Diesel- and motor oil-range TPH were detected in one of the 12 samples analyzed; the concentrations found are below the ESLs for these TPH ranges, and consequently they do not affect the soil's suitability for use as fill.

8.2 Volatile Organic Compounds (VOCs)

VOCs were not detected in any of the samples submitted for analysis. Consequently, they do not present a concern for use of the soils as fill.

8.3 Polynuclear Aromatic Hydrocarbons (PAHs)

PAHs detected in the samples included benz(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, chrysene, fluoranthene, phenanthrene and pyrene.

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The most frequently detected PAH compounds were fluoranthene and pyrene, which were found in four of the six samples analyzed; the remaining compounds were detected in three or fewer samples. Detected concentrations of all PAHs were at low part per billion levels, ranging from 0.005 to 0.018 mg/kg. The levels of all detected PAHs were well below their respective ESLs, and do not affect the stockpiled soil's suitability as fill.

8.4 Metals

Eleven of the 17 Title 22 (CAM) metals were detected in the six soil samples analyzed. With the exception of arsenic, the concentrations of metals detected were below their respective residential ESLs, and do not present a significant environmental concern or affect the stockpiled soil's suitability as fill.

Arsenic concentrations ranged from 2.0 to 10 mg/kg; the variation in concentrations between samples is not unexpected, considering that the stockpile consists of soil from a variety of locations and sources. Arsenic concentrations in all samples were above the Tier 1 ESL of 0.39 mg/kg. Although they exceed the ESL, the California Department of Toxic Substances Control (DTSC) recognizes that arsenic is normally present above this screening level in most California soils, and recommends that arsenic soil concentrations be compared to a "...regional risk management screening level of 12 mg/kg..." (DTSC, 2009). This level is consistent with a concentration determined to be background for Southern California surficial soils. The arsenic concentrations in stockpile samples ranged from 2.0 mg/kg to 10 mg/kg, which are below the DTSC regional risk management screening level.

8.5 pH

pH values in all samples were slightly basic (i.e., greater than 7.0) and ranged from 7.67 to 8.58. These values are well within the corrosivity thresholds of 2.0 to 12.5 established by the State of California for classification of hazardous waste; however, they do exceed the upper limit of the City of Goleta's allowable pH range of 6.5 to 7.5 for use in archaeological resource areas. Consequently, the stockpiled soils should not be placed as fill in any of these areas.

8.6 Salinity

Salinity levels in the stockpiled soils varied between samples, reflecting the varied sources of material within the pile. Extract conductivities ranged from 0.2 to 2.4 mmhos/cm, or <1.0 to 5.4 salinity units. These correspond to a low to moderate range, according to published sources (Silva and Uchida, 2000). No specific thresholds for salinity have been established for the project, and the levels found do not preclude the use of stockpiled soils as fill; however, plants selected for landscaping should not be extremely salt-sensitive.



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8.7. Free Lime

Free lime concentrations in the stockpile soils ranged from less than 0.1% to 0.8%; these correspond to low to moderate levels, and are characteristic of a non-acidic soil. The lime levels do not affect the stockpile's use as fill soil; as with salinity levels, landscaping on the soils should be tolerant of a slightly basic soil.

9.0 CONCLUSIONS AND RECOMMENDATIONS

9.1 Summary and Conclusions

Six soil borings were drilled on the northwest stockpile in July 2014, and soil samples were analyzed for a variety of organic and inorganic compounds to evaluate the suitability of the soil for use as engineered fill. Subsurface exploration indicates that the stockpile consists primarily of granular soils, with lesser amounts of lean clay. The gray to dark gray discolored soils noted in the June 2010 assessment were also encountered in the July 2014 exploration. The slight hydrocarbon odor noted in the 2010 borings was not observed in 2014, and PID head-space readings were non-detectable; however, the discolored soils do contain a distinct sulfurous odor characteristic of an oxygen-reducing environment. It is probable that this odor was the source of the hydrocarbon odor comment on the 2010 logs. The discolored soils are present at the base of the stockpile, and vary in thickness from 3.5 to 10 feet, with greater thicknesses in the north and northwest parts of the stockpile.

The assessment work has determined that low concentrations of heavy-end petroleum hydrocarbons, several polynuclear aromatic hydrocarbons and eleven metals are present in the stockpiled soils. The compounds detected show a moderate range of variation between borings and samples, which is consistent with the stockpile having been built with soil brought to the site from various off-site locations.

With the exception of arsenic, concentrations of hydrocarbons and metals detected in the samples are below health-based screening levels established by the State of California. Arsenic was found at concentrations above its primary screening level; however, this is a common occurrence for arsenic in California soils, and the concentrations detected are below an regional alternate screening level published by the Department of Toxic Substances Control.

Soil pH, salinity and free lime testing indicate that the soils in the stockpile are slightly basic, with a low to moderate salinity level. pH levels are above the allowable limit specified by the City of Goleta for use in archaeological resource areas; no other numerical limits for these parameters have been established for the project.



9.2 Recommendations

The stockpiled soils do not contain targeted compounds at concentrations that would preclude its use as construction fill. However, the discolored soil does have aesthetic characteristics (sulfurous odor, dark staining) that could render it unsuitable for sensitive uses such as schools, hospitals or residential sites. We recommend that the dark gray soils in the stockpile be used as fill for non-sensitive uses such as commercial or industrial sites, or beneath roadways.

The stockpiled soil should not be placed in archaeological resource areas on-site, as its pH exceeds allowable City thresholds.

10.0 LIMITATION

This report has been prepared for the Towbes Group Inc., regarding the stockpiled soil in the northwest stockpile at the Heritage Ridge Apartments site in Goleta, California. The findings and conclusions rendered in this report are based on field observations and laboratory analysis of soil samples. This report does not reflect variations that may exist between or beyond sampling points, nor does it account for changes in contaminant distribution that may occur over time. The services performed by Earth Systems Pacific have been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in this area of California. No other warranty is expressed or implied.

We appreciate this opportunity to be of service. If you have any questions or comments regarding this report, please contact this office at your convenience.

Sincerely,

Earth Systems Pacific

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Timothy Conroy, CEG
Associate Geologist



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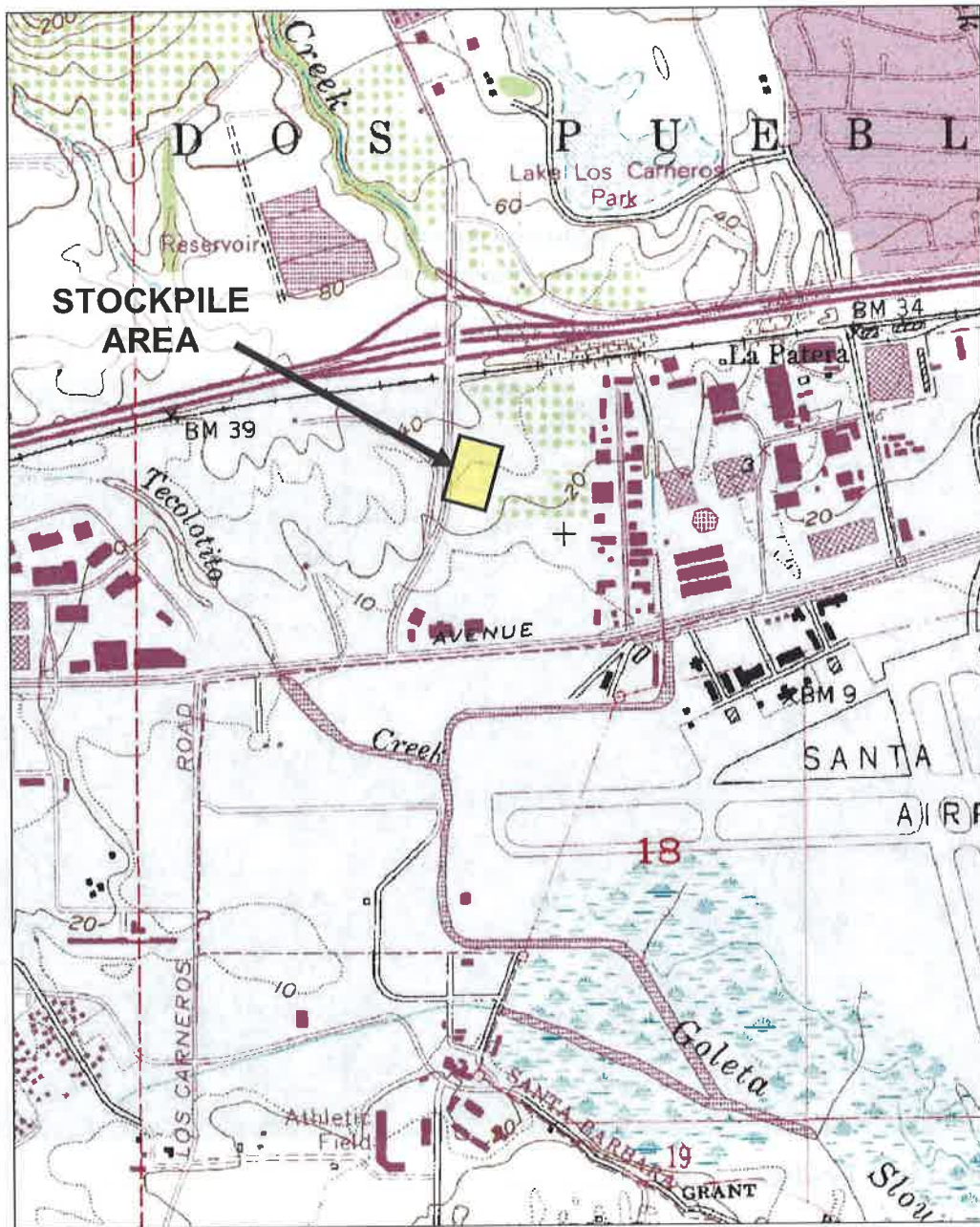


APPENDIX A

FIGURES

10/10/20

VICINITY MAP
Heritage Ridge Apartments Project
NEC Los Carneros Road/Calle Koral
Goleta, California



3-D TopoQuads Copyright © 1999 DeLorme, Yarmouth, ME 04996 Source Data: USGS 350 ft Scale: 1:12,000 Detail: 1:3 Datum: WGS84



Earth Systems Pacific

Project No. SL-15207-EB

August 2014

BORING LOCATION MAP
Heritage Ridge Apartments Project
NWC Los Carneros Road/Calle Koral
Goleta, California



Earth Systems Pacific

Project No. SL-15207-EB

July 2014

APPENDIX B

BORING LOGS



Earth Systems Pacific

LOGGED BY: T. Conroy
 DRILL RIG: Mobile B-53
 AUGER TYPE: 6" Hollow Stem Auger

Boring No. SP-1
 PAGE 1 OF 1
 JOB NO.: SL-15702-EB
 DATE: 07/01/14

DEPTH (feet)	USCS CLASS	SYMBOL	HERITAGE RIDGE APARTMENTS Los Carneros Road and Calle Koral Goleta, California	SAMPLE DATA				
				INTERVAL (feet)	SAMPLE TYPE	P/D	BLOWS PER 6 IN.	WELL CONST.
SOIL DESCRIPTION								
0 - 1 - 2 - 3 - 4 - 5 - 6	SM		SILTY SAND: light brown, loose to medium dense, slightly moist, fine grained (Fill)					
6			concrete fragments					
7 - 8 - 9 - 10 - 11 - 12	SP		POORLY GRADED SAND: dark gray, medium dense, moist, fine to medium grained, organic odor	10.0 - 11.5		ND		13 16 13
13 - 14 - 15 - 16 - 17 - 18 - 19 - 20	CL		SANDY LEAN CLAY: brown, stiff, moist (Native Soil)	15.0 - 16.5		ND		6 13 18
20 - 21 - 22			interbedded with lenses of POORLY GRADED SAND	20.0 - 21.5		ND		8 12 15
22 - 23 - 24 - 25 - 26			End of Boring @ 21.5' No subsurface water encountered					

LEGEND: Ring Sample Grab Sample Shelby Tube Sample SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

Boring No. SP-2

PAGE 1 OF 1

JOB NO.: SL-15702-EB

DATE: 07/01/14

LOGGED BY: T. Conroy

DRILL RIG: Mobile B-53

AUGER TYPE: 6" Hollow Stem Auger

DEPTH (feet)	USCS CLASS	SYMBOL	HERITAGE RIDGE APARTMENTS Los Carneros Road and Calle Koral Goleta, California					
			INTERVAL (feet)	SAMPLE TYPE	P/D	BLOWS PER 6 IN.	WELL CONST.	
			SOIL DESCRIPTION					
0 - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8	SM		SILTY SAND: light brown to brown, medium dense, moist, fine grained (Fill)	5.0 - 8.0	○			
9 - 10 - 11 - 12 - 13	SC		CLAYEY SAND: brown, dense, moist, concrete and chert gravel					
14 - 15 - 16 - 17 - 18 - 19 - 20 - 21	CL		SANDY LEAN CLAY: red brown, stiff, moist	15.0 - 16.5	■	ND		6 13 19
20 - 21 - 22				20.0 - 21.5	■	ND		8 11 19
21 - 22 - 23				20.0 - 21.0	○			
22 - 23 - 24 - 25 - 26	SC		CLAYEY SAND: light red brown, dense, moist, interbedded with layers of SANDY LEAN CLAY (Alluvium)	25.0 - 26.5	■	ND		10 13 19
			End of Boring @ 26.5' No subsurface water encountered					

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



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Boring No. SP-3

LOGGED BY: T. Conroy

PAGE 1 OF 1

DRILL RIG: Mobile B-53

JOB NO.: SL-15702-EB

AUGER TYPE: 6" Hollow Stem Auger

DATE: 07/01/14

DEPTH (feet)	USCS CLASS	SYMBOL	HERITAGE RIDGE APARTMENTS Los Carneros Road and Calle Koral Goleta, California				
			SAMPLE DATA				
SOIL DESCRIPTION			INTERVAL (feet)	SAMPLE TYPE	P/D	BLOWS PER 6 IN.	WELL CONST.
0	SM		SILTY SAND: light brown, medium dense, slightly moist, trace gravel (Fill)				
1							
2							
3							
4							
5							
6							
7			red brown, moist				
8							
9			8.0 - 10.0 ○				
10							
11							
12	dark olive gray, organic odor, plant material						
13							
14	13.0 - 15.0 ○						
15	15.0 - 16.5 ■ ND						
16	CL		SANDY LEAN CLAY: red brown, stiff, moist (Alluvium)				
17							
18							
19							
20			20.0-21.5 ■ ND				
21							
22			End of Boring @ 21.5'				
23			No subsurface water encountered				
24							
25							
26							

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

Boring No. SP-4

PAGE 1 OF 1

JOB NO.: SL-15702-EB

DATE: 07/01/14

LOGGED BY: T. Conroy

DRILL RIG: Mobile B-53

AUGER TYPE: 6" Hollow Stem Auger

DEPTH (feet)	USCS CLASS	SYMBOL	HERITAGE RIDGE APARTMENTS Los Carneros Road and Calle Koral Goleta, California				
			SAMPLE DATA				
SOIL DESCRIPTION			INTERVAL (feet)	SAMPLE TYPE	P/D	BLOWS PER 6 IN.	WELL CONST.
0 - 1 - 2 - 3	SP		POORLY GRADED SAND: light brown, loose, slightly moist, concrete debris (Fill)				
4 - 5 - 6	SM		SILTY SAND: light brown, medium dense, moist, fine grained				
7 - 8 - 9 - 10 - 11 - 12	SP		POORLY GRADED SAND: red brown, medium dense, moist, trace silt	7.0 - 10.0	○		
13 - 14 - 15 - 16			dark olive gray, dense, organic odor	15.0 - 16.5 15.0 - 16.0	■ ○	ND	12 17 23
17 - 18 - 19 - 20	CL		SANDY LEAN CLAY: dark olive gray, stiff, moist	20.0 - 21.5	■	ND	3 9 14
21 - 22 - 23 - 24 - 25 - 26	SC		CLAYEY SAND: red brown, medium dense, moist, fine to medium grained, interbedded with layers of SANDY LEAN CLAY (Alluvium)	25.0 - 26.5	■	ND	14 19 23
End of Boring @ 21.5' No subsurface water encountered							

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

Boring No. SP-5

LOGGED BY: T. Conroy

PAGE 1 OF 1

DRILL RIG: Mobile B-53

JOB NO.: SL-15702-EB

AUGER TYPE: 6" Hollow Stem Auger

DATE: 07/01/14

DEPTH (feet)	USCS CLASS	SYMBOL	HERITAGE RIDGE APARTMENTS Los Carneros Road and Calle Koral Goleta, California	SAMPLE DATA				
				INTERVAL (feet)	SAMPLE TYPE	P/D	BLOWS PER 6 IN.	WELL CONST.
			SOIL DESCRIPTION					
0 - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11	SM		SILTY SAND: gray brown, medium dense, slightly moist, fine grained, poorly graded, trace gravel (Fill)	1.0 - 4.0	○			
6 - 7 - 8 - 9 - 10 - 11			orange brown, moist, medium grained					
11 - 12 - 13 - 14 - 15 - 16 - 17 - 18	SC / CL		CLAYEY SAND / SANDY LEAN CLAY: dark gray, medium dense to medium stiff, moist	15.0 - 16.5	■	ND		2 4 6
18 - 19 - 20 - 21	CH		SANDY FAT CLAY: dark olive gray/black mottled, stiff, moist	20.0 - 21.5	■	ND		9 16 19
21 - 22 - 23 - 24 - 25 - 26	CL		SANDY LEAN CLAY: orange brown, stiff, moist (Alluvium)	25.0 - 26.5	■	ND		5 10 14
			End of Boring @ 26.5' No subsurface water encountered					

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



Earth Systems Pacific

Boring No. SP-6

PAGE 1 OF 1

JOB NO.: SL-15702-EB

DATE: 07/01/14

LOGGED BY: T. Conroy
 DRILL RIG: Mobile B-53
 AUGER TYPE: 6" Hollow Stem Auger

DEPTH (feet)	USCS CLASS	SYMBOL	HERITAGE RIDGE APARTMENTS Los Carneros Road and Calle Koral Goleta, California		SAMPLE DATA					
			SOIL DESCRIPTION		INTERVAL (feet)	SAMPLE TYPE	P/D	BLOWS PER 6 IN.	WELL CONST.	
0	SM		SILTY SAND: brown, medium dense, slightly moist (Fill)		5.0 - 7.0	○				
1										
2										
3										
4			moist							
5										
6										
7										
8										
9										
10										
11	SC		CLAYEY SAND: dark olive gray, medium dense, moist, strong organic odor, PVC pipe debris							
12										
13										
14	SP		POORLY GRADED SAND: dark gray, medium dense, moist, trace silt, fine grained		15.0 - 16.5	■	ND		10	
15										14
16										15
17										
18										
19										
20					20.0 - 21.5	■	ND	3	7	
21	SC		CLAYEY SAND: brown, medium dense, moist, interbedded with layers of SANDY LEAN CLAY (Alluvium)						7	
22										
23										
24										
25										
26										
			End of Boring @ 26.5'							
			No subsurface water encountered							
								10	10	
								11		

LEGEND: ■ Ring Sample ○ Grab Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.



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APPENDIX C

LABORATORY REPORTS



Tim Conroy
Earth Systems Pacific
4378 Old Santa Fe Rd.
San Luis Obispo, CA 93401

30 July 2014

RE: Heritage Ridge Apts, NW Stockpile

Work Order: 1403128

Dear Client:

Enclosed is an analytical report for the above referenced project. The samples included in this report were received on 02-Jul-14 15:09 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in cursive script, appearing to read "Meredith Sprister".

Meredith Sprister

Project Manager



Oilfield Environmental and Compliance, INC.

Earth Systems Pacific
4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-1@3-5'	1403128-01	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-1@10-10.5'	1403128-02	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-1@10-11'	1403128-03	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-1@15-15.5'	1403128-04	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-2@5-8'	1403128-05	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-2@15-15.5'	1403128-06	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-2@20-20.5'	1403128-07	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-2@20-21'	1403128-08	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-3@8-10'	1403128-09	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-3@13-15'	1403128-10	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-3@15-15.5'	1403128-11	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-3@20-20.5'	1403128-12	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-4@7-10'	1403128-13	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-4@15-15.5'	1403128-14	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-4@15-16'	1403128-15	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-4@20-20.5'	1403128-16	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-5@1-4'	1403128-17	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-5@15-15.5'	1403128-18	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-5@16-18'	1403128-19	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-5@20-21'	1403128-20	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-6@5-7'	1403128-21	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-6@15-15.5'	1403128-22	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-6@15-16'	1403128-23	Solid	01-Jul-14 00:00	02-Jul-14 15:09
SP-6@20-20.5'	1403128-24	Solid	01-Jul-14 00:00	02-Jul-14 15:09

Oilfield Environmental and Compliance

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

307 Roemer Way, Suite 300, Santa Maria, CA 93454

www.oecusa.com

TEL: (805) 922-4772
FAX: (805) 925-3376



Oilfield Environmental and Compliance, INC.

Earth Systems Pacific
4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
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Earth Systems Pacific
4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

SP-1@3-5'
1403128-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Wet Chemistry by EPA or APHA Standard Methods

pH @ 20 C	7.98	0.100	pH Units	1	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Specific Conductance (EC) @ 20 C	720	2.0	umhos/cm	"	A407995	07-Jul-14	08-Jul-14	2510 B	
Sample Temperature During pH Analysis	22	1.0	°C	"	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Salinity	1.5	1.0	Salinity units	"	A407169	07-Jul-14	08-Jul-14	SM 2520B	

SP-1@10-10.5'
1403128-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by EPA 6000/7000 Series Methods

Antimony	ND	2.4	mg/kg	1	A407198	08-Jul-14	08-Jul-14	EPA 6010B	
Arsenic	2.3	0.95	"	"	"	"	"	"	
Barium	37	0.95	"	"	"	"	"	"	
Beryllium	ND	0.48	"	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	"	
Chromium	14	0.48	"	"	"	"	"	"	
Cobalt	3.2	0.48	"	"	"	"	"	"	
Copper	5.2	0.95	"	"	"	"	"	"	
Lead	3.9	0.48	"	"	"	"	"	"	
Mercury	ND	0.090	"	"	A407182	08-Jul-14	08-Jul-14	EPA 7471A	
Molybdenum	0.61	0.48	"	"	A407198	08-Jul-14	08-Jul-14	EPA 6010B	
Nickel	12	0.24	"	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	"	
Silver	ND	0.48	"	"	"	"	"	"	
Thallium	ND	0.95	"	"	"	"	"	"	
Vanadium	16	0.95	"	"	"	"	"	"	
Zinc	17	0.95	"	"	"	"	"	"	

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Earth Systems Pacific 4378 Old Santa Fe Rd. San Luis Obispo CA, 93401	Project: Heritage Ridge Apts, NW Stockpile Project Number: SL-15702-EB Project Manager: Tim Conroy	Reported: 30-Jul-14 17:03
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SP-1@10-10.5'
1403128-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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TVPH by GC FID

TPH Gasoline (C4-C12)	ND	0.50	mg/kg	1	A407119	03-Jul-14	04-Jul-14	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		88.1 %	70-130		"	"	"	"	

TEPH by GC FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	A407112	03-Jul-14	03-Jul-14	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		109 %	50-139		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.0049	mg/kg	1	A407138	07-Jul-14	07-Jul-14	EPA 8260B	
Bromobenzene	ND	0.0049	"	"	"	"	"	"	
Bromochloromethane	ND	0.0049	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0049	"	"	"	"	"	"	
Bromoform	ND	0.0049	"	"	"	"	"	"	
Bromomethane	ND	0.0049	"	"	"	"	"	"	CCHI
n-Butylbenzene	ND	0.0049	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0049	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0049	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0049	"	"	"	"	"	"	
Chlorobenzene	ND	0.0049	"	"	"	"	"	"	
Chloroethane	ND	0.0049	"	"	"	"	"	"	
Chloroform	ND	0.0049	"	"	"	"	"	"	
Chloromethane	ND	0.0049	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0049	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0049	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0049	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0049	"	"	"	"	"	"	
Dibromomethane	ND	0.0049	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0049	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0049	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0049	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0049	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0049	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0049	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0049	"	"	"	"	"	"	

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Earth Systems Pacific 4378 Old Santa Fe Rd. San Luis Obispo CA, 93401	Project: Heritage Ridge Apts, NW Stockpile Project Number: SL-15702-EB Project Manager: Tim Conroy	Reported: 30-Jul-14 17:03
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SP-1@10-10.5'
1403128-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Volatile Organic Compounds by EPA Method 8260B

cis-1,2-Dichloroethene	ND	0.0049	mg/kg	1	A407138	07-Jul-14	07-Jul-14	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.0049	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0049	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0049	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0049	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0049	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0049	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0049	"	"	"	"	"	"	
Ethylbenzene	ND	0.0049	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0049	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0049	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0049	"	"	"	"	"	"	
4-Isopropyl Toluene	ND	0.0049	"	"	"	"	"	"	
Methylene chloride	ND	0.0049	"	"	"	"	"	"	
Naphthalene	ND	0.0049	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0049	"	"	"	"	"	"	
Styrene	ND	0.0049	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0049	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0049	"	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0049	"	"	"	"	"	"	
Toluene	ND	0.0049	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0049	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0049	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0049	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0049	"	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0049	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0049	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0049	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0049	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0049	"	"	"	"	"	"	
Vinyl chloride	ND	0.0049	"	"	"	"	"	"	
Xylenes (total)	ND	0.0049	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane	107 %	70-130	"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	97.0 %	70-130	"	"	"	"	"	"
Surrogate: Toluene-d8	103 %	70-130	"	"	"	"	"	"

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Oilfield Environmental and Compliance, INC.

Earth Systems Pacific 4378 Old Santa Fe Rd. San Luis Obispo CA, 93401	Project: Heritage Ridge Apts, NW Stockpile Project Number: SL-15702-EB Project Manager: Tim Conroy	Reported: 30-Jul-14 17:03
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SP-1@10-10.5'
1403128-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	0.0050	mg/kg	1	A407093	03-Jul-14	08-Jul-14	EPA 8270M SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	"	
Benz(a)anthracene	ND	0.0050	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0050	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.010	"	"	"	"	"	"	
Chrysene	ND	0.0050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.010	"	"	"	"	"	"	
Fluoranthene	0.0053	0.0050	"	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	"	
Phenanthrene	ND	0.0050	"	"	"	"	"	"	
Pyrene	0.0060	0.0050	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl-d14</i>		87.5 %	0-180		"	"	"	"	

SP-1@10-11'
1403128-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Wet Chemistry by EPA or APHA Standard Methods

pH @ 20 C	8.55	0.100	pH Units	1	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Specific Conductance (EC) @ 20 C	1000	2.0	umhos/cm	"	A407995	07-Jul-14	08-Jul-14	2510 B	
Sample Temperature During pH Analysis	22	1.0	°C	"	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Salinity	2.2	1.0	Salinity units	"	A407169	07-Jul-14	08-Jul-14	SM 2520B	

Oilfield Environmental and Compliance

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Earth Systems Pacific
4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

SP-1@15-15.5'
1403128-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

TVPH by GC FID

TPH Gasoline (C4-C12)	ND	0.50	mg/kg	1	A407119	03-Jul-14	04-Jul-14	EPA 8015M	
<i>Surrogate: 4-Bromofluorobenzene</i>		89.8 %	70-130		"	"	"	"	

TEPH by GC FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	A407112	03-Jul-14	03-Jul-14	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
<i>Surrogate: o-Terphenyl</i>		109 %	50-139		"	"	"	"	

SP-2@5-8'
1403128-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Wet Chemistry by EPA or APHA Standard Methods

pH @ 20 C	8.06	0.100	pH Units	1	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Specific Conductance (EC) @ 20 C	980	2.0	umhos/cm	"	A407995	07-Jul-14	08-Jul-14	2510 B	
Sample Temperature During pH Analysis	22	1.0	°C	"	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Salinity	2.1	1.0	Salinity units	"	A407169	07-Jul-14	08-Jul-14	SM 2520B	

Oilfield Environmental and Compliance

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Oilfield Environmental and Compliance, INC.

Earth Systems Pacific
4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

SP-2@15-15.5'
1403128-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Total Metals by EPA 6000/7000 Series Methods

Antimony	ND	2.4	mg/kg	1	A407198	08-Jul-14	08-Jul-14	EPA 6010B	
Arsenic	10	0.97	"	"	"	"	"	"	
Barium	76	0.97	"	"	"	"	"	"	
Beryllium	1.4	0.48	"	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	"	
Chromium	49	0.48	"	"	"	"	"	"	
Cobalt	5.5	0.48	"	"	"	"	"	"	
Copper	24	0.97	"	"	"	"	"	"	
Lead	10	0.48	"	"	"	"	"	"	
Mercury	ND	0.084	"	"	A407182	08-Jul-14	08-Jul-14	EPA 7471A	
Molybdenum	0.80	0.48	"	"	A407198	08-Jul-14	08-Jul-14	EPA 6010B	
Nickel	35	0.24	"	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	"	
Silver	ND	0.48	"	"	"	"	"	"	
Thallium	1.4	0.97	"	"	"	"	"	"	
Vanadium	46	0.97	"	"	"	"	"	"	
Zinc	65	0.97	"	"	"	"	"	"	

TVPH by GC FID

TPH Gasoline (C4-C12)	ND	0.50	mg/kg	1	A407119	03-Jul-14	04-Jul-14	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		89.0 %	70-130		"	"	"	"	

TEPH by GC FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	A407112	03-Jul-14	03-Jul-14	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		102 %	50-139		"	"	"	"	

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Earth Systems Pacific
4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

SP-2@15-15.5'
1403128-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0049	mg/kg	1	A407138	07-Jul-14	07-Jul-14	EPA 8260B	
Bromobenzene	ND	0.0049	"	"	"	"	"	"	
Bromochloromethane	ND	0.0049	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0049	"	"	"	"	"	"	
Bromoform	ND	0.0049	"	"	"	"	"	"	
Bromomethane	ND	0.0049	"	"	"	"	"	"	CCHI
n-Butylbenzene	ND	0.0049	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0049	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0049	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0049	"	"	"	"	"	"	
Chlorobenzene	ND	0.0049	"	"	"	"	"	"	
Chloroethane	ND	0.0049	"	"	"	"	"	"	
Chloroform	ND	0.0049	"	"	"	"	"	"	
Chloromethane	ND	0.0049	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0049	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0049	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0049	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0049	"	"	"	"	"	"	
Dibromomethane	ND	0.0049	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0049	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0049	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0049	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0049	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0049	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0049	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0049	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0049	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0049	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0049	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0049	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0049	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0049	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0049	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0049	"	"	"	"	"	"	
Ethylbenzene	ND	0.0049	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0049	"	"	"	"	"	"	

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Oilfield Environmental and Compliance, INC.

Earth Systems Pacific
4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

SP-2@15-15.5'
1403128-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachlorobutadiene	ND	0.0049	mg/kg	1	A407138	07-Jul-14	07-Jul-14	EPA 8260B	
Isopropylbenzene	ND	0.0049	"	"	"	"	"	"	
4-Isopropyl Toluene	ND	0.0049	"	"	"	"	"	"	
Methylene chloride	ND	0.0049	"	"	"	"	"	"	
Naphthalene	ND	0.0049	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0049	"	"	"	"	"	"	
Styrene	ND	0.0049	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0049	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0049	"	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0049	"	"	"	"	"	"	
Toluene	ND	0.0049	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0049	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0049	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0049	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0049	"	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0049	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0049	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0049	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0049	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0049	"	"	"	"	"	"	
Vinyl chloride	ND	0.0049	"	"	"	"	"	"	
Xylenes (total)	ND	0.0049	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane	108 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	97.9 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	103 %	70-130	"	"	"	"	"	"	

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4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

SP-2@15-15.5'
1403128-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	0.0050	mg/kg	1	A407093	03-Jul-14	08-Jul-14	EPA 8270M SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	"	
Benz(a)anthracene	ND	0.0050	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0050	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.0099	"	"	"	"	"	"	
Chrysene	ND	0.0050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0099	"	"	"	"	"	"	
Fluoranthene	ND	0.0050	"	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0099	"	"	"	"	"	"	
Phenanthrene	ND	0.0050	"	"	"	"	"	"	
Pyrene	ND	0.0050	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		77.5 %	0-180		"	"	"	"	

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Earth Systems Pacific
4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

SP-2@20-20.5'
1403128-07 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

TVPH by GC FID

TPH Gasoline (C4-C12)	ND	0.50	mg/kg	1	A407119	03-Jul-14	04-Jul-14	EPA 8015M	
<i>Surrogate: 4-Bromofluorobenzene</i>		87.5 %	70-130		"	"	"	"	

TEPH by GC FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	A407112	03-Jul-14	03-Jul-14	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
<i>Surrogate: o-Terphenyl</i>		102 %	50-139		"	"	"	"	

SP-2@20-21'
1403128-08 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Wet Chemistry by EPA or APHA Standard Methods

pH @ 20 C	7.91	0.100	pH Units	1	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Specific Conductance (EC) @ 20 C	460	2.0	umhos/cm	"	A407995	07-Jul-14	08-Jul-14	2510 B	
Sample Temperature During pH Analysis	22	1.0	°C	"	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Salinity	ND	1.0	Salinity units	"	A407169	07-Jul-14	08-Jul-14	SM 2520B	

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Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

SP-3@8-10'
1403128-09 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Wet Chemistry by EPA or APHA Standard Methods

pH @ 20 C	7.87	0.100	pH Units	1	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Specific Conductance (EC) @ 20 C	900	2.0	umhos/cm	"	A407995	07-Jul-14	08-Jul-14	2510 B	
Sample Temperature During pH Analysis	22	1.0	°C	"	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Salinity	1.9	1.0	Salinity units	"	A407169	07-Jul-14	08-Jul-14	SM 2520B	

SP-3@13-15'
1403128-10 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Wet Chemistry by EPA or APHA Standard Methods

pH @ 20 C	8.25	0.100	pH Units	1	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Specific Conductance (EC) @ 20 C	780	2.0	umhos/cm	"	A407995	07-Jul-14	08-Jul-14	2510 B	
Sample Temperature During pH Analysis	21	1.0	°C	"	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Salinity	1.7	1.0	Salinity units	"	A407169	07-Jul-14	08-Jul-14	SM 2520B	

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Earth Systems Pacific 4378 Old Santa Fe Rd. San Luis Obispo CA, 93401	Project: Heritage Ridge Apts, NW Stockpile Project Number: SL-15702-EB Project Manager: Tim Conroy	Reported: 30-Jul-14 17:03
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SP-3@15-15.5'
1403128-11 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

TVPH by GC FID

TPH Gasoline (C4-C12)	ND	0.49	mg/kg	1	A407119	03-Jul-14	04-Jul-14	EPA 8015M	
<i>Surrogate: 4-Bromofluorobenzene</i>		86.7 %	70-130		"	"	"	"	

TEPH by GC FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	A407122	03-Jul-14	07-Jul-14	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
<i>Surrogate: o-Terphenyl</i>		96.7 %	50-139		"	"	"	"	

SP-3@20-20.5'
1403128-12 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

TVPH by GC FID

TPH Gasoline (C4-C12)	ND	0.49	mg/kg	1	A407119	03-Jul-14	04-Jul-14	EPA 8015M	
<i>Surrogate: 4-Bromofluorobenzene</i>		89.7 %	70-130		"	"	"	"	

TEPH by GC FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	A407122	03-Jul-14	07-Jul-14	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
<i>Surrogate: o-Terphenyl</i>		98.4 %	60-131		"	"	"	"	

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San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

SP-4@7-10'
1403128-13 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Wet Chemistry by EPA or APHA Standard Methods

pH @ 20 C	8.43	0.100	pH Units	1	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Specific Conductance (EC) @ 20 C	240	2.0	umhos/cm	"	A407995	07-Jul-14	08-Jul-14	2510 B	
Sample Temperature During pH Analysis	22	1.0	°C	"	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Salinity	ND	1.0	Salinity units	"	A407169	07-Jul-14	08-Jul-14	SM 2520B	

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San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

SP-4@15-15.5'
1403128-14 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Total Metals by EPA 6000/7000 Series Methods

Antimony	ND	2.4	mg/kg	1	A407116	03-Jul-14	07-Jul-14	EPA 6010B
Arsenic	2.0	0.97	"	"	"	"	"	"
Barium	43	0.97	"	"	"	"	"	"
Beryllium	ND	0.49	"	"	"	"	"	"
Cadmium	ND	0.24	"	"	"	"	"	"
Chromium	13	0.49	"	"	"	"	"	"
Cobalt	3.1	0.49	"	"	"	"	"	"
Copper	6.1	0.97	"	"	"	"	"	"
Lead	3.7	0.49	"	"	"	"	"	"
Mercury	ND	0.097	"	"	A407182	08-Jul-14	08-Jul-14	EPA 7471A
Molybdenum	ND	0.49	"	"	A407116	03-Jul-14	07-Jul-14	EPA 6010B
Nickel	13	0.24	"	"	"	"	"	"
Selenium	ND	1.9	"	"	"	"	"	"
Silver	ND	0.49	"	"	"	"	"	"
Thallium	ND	0.97	"	"	"	"	"	"
Vanadium	13	0.97	"	"	"	"	"	"
Zinc	17	0.97	"	"	"	"	"	"

TVPH by GC FID

TPH Gasoline (C4-C12)	ND	0.48	mg/kg	1	A407277	10-Jul-14	10-Jul-14	EPA 8015M
Surrogate: 4-Bromofluorobenzene		85.3 %	70-130		"	"	"	"

TEPH by GC FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	A407122	03-Jul-14	07-Jul-14	EPA 8015M
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"
Surrogate: o-Terphenyl		98.7 %	60-131		"	"	"	"

Oilfield Environmental and Compliance

307 Roemer Way, Suite 300, Santa Maria, CA 93454

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Oilfield Environmental and Compliance, INC.

Earth Systems Pacific
4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

SP-4@15-15.5'
1403128-14 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0049	mg/kg	1	A407138	07-Jul-14	07-Jul-14	EPA 8260B	
Bromobenzene	ND	0.0049	"	"	"	"	"	"	
Bromochloromethane	ND	0.0049	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0049	"	"	"	"	"	"	
Bromoform	ND	0.0049	"	"	"	"	"	"	
Bromomethane	ND	0.0049	"	"	"	"	"	"	CCHI
n-Butylbenzene	ND	0.0049	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0049	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0049	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0049	"	"	"	"	"	"	
Chlorobenzene	ND	0.0049	"	"	"	"	"	"	
Chloroethane	ND	0.0049	"	"	"	"	"	"	
Chloroform	ND	0.0049	"	"	"	"	"	"	
Chloromethane	ND	0.0049	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0049	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0049	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0049	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0049	"	"	"	"	"	"	
Dibromomethane	ND	0.0049	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0049	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0049	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0049	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0049	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0049	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0049	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0049	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0049	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0049	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0049	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0049	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0049	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0049	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0049	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0049	"	"	"	"	"	"	
Ethylbenzene	ND	0.0049	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0049	"	"	"	"	"	"	

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San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

SP-4@15-15.5'
1403128-14 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Volatile Organic Compounds by EPA Method 8260B

Hexachlorobutadiene	ND	0.0049	mg/kg	1	A407138	07-Jul-14	07-Jul-14	EPA 8260B	
Isopropylbenzene	ND	0.0049	"	"	"	"	"	"	"
4-Isopropyl Toluene	ND	0.0049	"	"	"	"	"	"	"
Methylene chloride	ND	0.0049	"	"	"	"	"	"	"
Naphthalene	ND	0.0049	"	"	"	"	"	"	"
n-Propylbenzene	ND	0.0049	"	"	"	"	"	"	"
Styrene	ND	0.0049	"	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	0.0049	"	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	0.0049	"	"	"	"	"	"	"
Tetrachloroethene (PCE)	ND	0.0049	"	"	"	"	"	"	"
Toluene	ND	0.0049	"	"	"	"	"	"	"
1,2,3-Trichlorobenzene	ND	0.0049	"	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	0.0049	"	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	0.0049	"	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	0.0049	"	"	"	"	"	"	"
Trichloroethene (TCE)	ND	0.0049	"	"	"	"	"	"	"
Trichlorofluoromethane	ND	0.0049	"	"	"	"	"	"	"
1,2,3-Trichloropropane	ND	0.0049	"	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	0.0049	"	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	0.0049	"	"	"	"	"	"	"
Vinyl chloride	ND	0.0049	"	"	"	"	"	"	"
Xylenes (total)	ND	0.0049	"	"	"	"	"	"	"
<i>Surrogate: Dibromofluoromethane</i>		108 %	70-130		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.7 %	70-130		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		104 %	70-130		"	"	"	"	

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4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

SP-4@15-15.5'
1403128-14 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	0.0050	mg/kg	1	A407093	03-Jul-14	08-Jul-14	EPA 8270M SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	"	
Benz(a)anthracene	ND	0.0050	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (k) fluoranthene	0.0060	0.0050	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0050	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.010	"	"	"	"	"	"	
Chrysene	ND	0.0050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.010	"	"	"	"	"	"	
Fluoranthene	0.012	0.0050	"	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	"	
Phenanthrene	0.0050	0.0050	"	"	"	"	"	"	
Pyrene	0.011	0.0050	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl-d14</i>		90.0 %	0-180		"	"	"	"	

SP-4@15-16'
1403128-15 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Wet Chemistry by EPA or APHA Standard Methods

pH @ 20 C	8.46	0.100	pH Units	1	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Specific Conductance (EC) @ 20 C	1100	2.0	umhos/cm	"	A407995	07-Jul-14	08-Jul-14	2510 B	
Sample Temperature During pH Analysis	22	1.0	°C	"	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Salinity	2.4	1.0	Salinity units	"	A407169	07-Jul-14	08-Jul-14	SM 2520B	

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Earth Systems Pacific 4378 Old Santa Fe Rd. San Luis Obispo CA, 93401	Project: Heritage Ridge Apts, NW Stockpile Project Number: SL-15702-EB Project Manager: Tim Conroy	Reported: 30-Jul-14 17:03
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SP-4@20-20.5'
1403128-16 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

TVPH by GC FID

TPH Gasoline (C4-C12)	ND	0.48	mg/kg	1	A407277	10-Jul-14	10-Jul-14	EPA 8015M	
<i>Surrogate: 4-Bromofluorobenzene</i>		88.3 %	70-130		"	"	"	"	

TEPH by GC FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	A407122	03-Jul-14	07-Jul-14	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
<i>Surrogate: o-Terphenyl</i>		97.9 %	60-131		"	"	"	"	

SP-5@1-4'
1403128-17 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Wet Chemistry by EPA or APHA Standard Methods

pH @ 20 C	8.58	0.100	pH Units	1	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Specific Conductance (EC) @ 20 C	220	2.0	umhos/cm	"	A407995	07-Jul-14	08-Jul-14	2510 B	
Sample Temperature During pH Analysis	22	1.0	°C	"	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Salinity	ND	1.0	Salinity units	"	A407169	07-Jul-14	08-Jul-14	SM 2520B	

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SP-5@15-15.5'
1403128-18 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Total Metals by EPA 6000/7000 Series Methods

Antimony	ND	2.4	mg/kg	1	A407198	08-Jul-14	08-Jul-14	EPA 6010B	
Arsenic	4.3	0.98	"	"	"	"	"	"	
Barium	63	0.98	"	"	"	"	"	"	
Beryllium	ND	0.49	"	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	"	
Chromium	23	0.49	"	"	"	"	"	"	
Cobalt	5.1	0.49	"	"	"	"	"	"	
Copper	27	0.98	"	"	"	"	"	"	
Lead	6.4	0.49	"	"	"	"	"	"	
Mercury	ND	0.090	"	"	A407182	08-Jul-14	08-Jul-14	EPA 7471A	
Molybdenum	1.0	0.49	"	"	A407198	08-Jul-14	08-Jul-14	EPA 6010B	
Nickel	23	0.24	"	"	"	"	"	"	
Selenium	ND	2.0	"	"	"	"	"	"	
Silver	ND	0.49	"	"	"	"	"	"	
Thallium	ND	0.98	"	"	"	"	"	"	
Vanadium	24	0.98	"	"	"	"	"	"	
Zinc	51	0.98	"	"	"	"	"	"	

TVPH by GC FID

TPH Gasoline (C4-C12)	ND	0.48	mg/kg	1	A407277	10-Jul-14	11-Jul-14	EPA 8015M	
<i>Surrogate: 4-Bromofluorobenzene</i>		88.4 %	70-130		"	"	"	"	

TEPH by GC FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	A407122	03-Jul-14	07-Jul-14	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
<i>Surrogate: o-Terphenyl</i>		99.8 %	50-139		"	"	"	"	

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Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

SP-5@15-15.5'
1403128-18 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0048	mg/kg	1	A407138	07-Jul-14	07-Jul-14	EPA 8260B	
Bromobenzene	ND	0.0048	"	"	"	"	"	"	
Bromochloromethane	ND	0.0048	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0048	"	"	"	"	"	"	
Bromoform	ND	0.0048	"	"	"	"	"	"	
Bromomethane	ND	0.0048	"	"	"	"	"	"	CCHI
n-Butylbenzene	ND	0.0048	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0048	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0048	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0048	"	"	"	"	"	"	
Chlorobenzene	ND	0.0048	"	"	"	"	"	"	
Chloroethane	ND	0.0048	"	"	"	"	"	"	
Chloroform	ND	0.0048	"	"	"	"	"	"	
Chloromethane	ND	0.0048	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0048	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0048	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0048	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0048	"	"	"	"	"	"	
Dibromomethane	ND	0.0048	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0048	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0048	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0048	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0048	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0048	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0048	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0048	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0048	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0048	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0048	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0048	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0048	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0048	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0048	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0048	"	"	"	"	"	"	
Ethylbenzene	ND	0.0048	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0048	"	"	"	"	"	"	

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SP-5@15-15.5'
1403128-18 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Volatile Organic Compounds by EPA Method 8260B

Hexachlorobutadiene	ND	0.0048	mg/kg	1	A407138	07-Jul-14	07-Jul-14	EPA 8260B	
Isopropylbenzene	ND	0.0048	"	"	"	"	"	"	
4-Isopropyl Toluene	ND	0.0048	"	"	"	"	"	"	
Methylene chloride	ND	0.0048	"	"	"	"	"	"	
Naphthalene	ND	0.0048	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0048	"	"	"	"	"	"	
Styrene	ND	0.0048	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0048	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0048	"	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0048	"	"	"	"	"	"	
Toluene	ND	0.0048	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0048	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0048	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0048	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0048	"	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0048	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0048	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0048	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0048	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0048	"	"	"	"	"	"	
Vinyl chloride	ND	0.0048	"	"	"	"	"	"	
Xylenes (total)	ND	0.0048	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		107 %	70-130		"	"	"	"	
Surrogate: Toluene-d8		104 %	70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.8 %	70-130		"	"	"	"	

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1403128-18 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	0.0050	mg/kg	1	A407093	03-Jul-14	09-Jul-14	EPA 8270M SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	"	
Benz(a)anthracene	0.0056	0.0050	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.0076	0.0050	"	"	"	"	"	"	
Benzo (k) fluoranthene	0.0080	0.0050	"	"	"	"	"	"	
Benzo (a) pyrene	0.0080	0.0050	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.010	"	"	"	"	"	"	
Chrysene	0.0070	0.0050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.010	"	"	"	"	"	"	
Fluoranthene	0.013	0.0050	"	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	"	
Phenanthrene	ND	0.0050	"	"	"	"	"	"	
Pyrene	0.010	0.0050	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl-d14		75.0 %	0-180		"	"	"	"	

SP-5@16-18'
1403128-19 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Wet Chemistry by EPA or APHA Standard Methods

pH @ 20 C	7.67	0.100	pH Units	1	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Specific Conductance (EC) @ 20 C	1900	2.0	umhos/cm	"	A407995	07-Jul-14	08-Jul-14	2510 B	
Sample Temperature During pH Analysis	22	1.0	°C	"	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Salinity	4.2	1.0	Salinity units	"	A407169	07-Jul-14	08-Jul-14	SM 2520B	

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Oilfield Environmental and Compliance, INC.

Earth Systems Pacific
4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

SP-5@20-21'
1403128-20 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Total Metals by EPA 6000/7000 Series Methods

Antimony	ND	2.4	mg/kg	1	A407198	08-Jul-14	08-Jul-14	EPA 6010B	
Arsenic	8.6	0.96	"	"	"	"	"	"	
Barium	220	0.96	"	"	"	"	"	"	
Beryllium	ND	0.48	"	"	"	"	"	"	
Cadmium	4.0	0.24	"	"	"	"	"	"	
Chromium	75	0.48	"	"	"	"	"	"	
Cobalt	6.1	0.48	"	"	"	"	"	"	N-02
Copper	36	0.96	"	"	"	"	"	"	
Lead	6.0	0.48	"	"	"	"	"	"	
Mercury	ND	0.096	"	"	A407182	08-Jul-14	08-Jul-14	EPA 7471A	
Molybdenum	3.1	0.48	"	"	A407198	08-Jul-14	08-Jul-14	EPA 6010B	
Nickel	77	0.24	"	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	"	
Silver	ND	0.48	"	"	"	"	"	"	
Thallium	1.6	0.96	"	"	"	"	"	"	
Vanadium	110	0.96	"	"	"	"	"	"	
Zinc	92	0.96	"	"	"	"	"	"	

STLC Metals by 6000/7000 Series Methods

Chromium	0.24	0.050	mg/L	1	A407664	22-Jul-14	22-Jul-14	STLC/EPA 6010B	
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TVPH by GC FID

TPH Gasoline (C4-C12)	ND	0.51	mg/kg	1	A407277	10-Jul-14	11-Jul-14	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		85.2 %	70-130		"	"	"	"	

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4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

SP-5@20-21'
1403128-20 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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TEPH by GC FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	A407122	03-Jul-14	07-Jul-14	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	

Surrogate: *o*-Terphenyl 97.2 % 60-131 " " " "

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.0048	mg/kg	1	A407177	08-Jul-14	08-Jul-14	EPA 8260B	
Bromobenzene	ND	0.0048	"	"	"	"	"	"	
Bromochloromethane	ND	0.0048	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0048	"	"	"	"	"	"	
Bromoform	ND	0.0048	"	"	"	"	"	"	
Bromomethane	ND	0.0048	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0048	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0048	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0048	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0048	"	"	"	"	"	"	
Chlorobenzene	ND	0.0048	"	"	"	"	"	"	
Chloroethane	ND	0.0048	"	"	"	"	"	"	
Chloroform	ND	0.0048	"	"	"	"	"	"	
Chloromethane	ND	0.0048	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0048	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0048	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0048	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0048	"	"	"	"	"	"	
Dibromomethane	ND	0.0048	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0048	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0048	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0048	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0048	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0048	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0048	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0048	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0048	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0048	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0048	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0048	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0048	"	"	"	"	"	"	

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Earth Systems Pacific
4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

SP-5@20-21'
1403128-20 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	0.0048	mg/kg	1	A407177	08-Jul-14	08-Jul-14	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.0048	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0048	"	"	"	"	"	"	
Ethylbenzene	ND	0.0048	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0048	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0048	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0048	"	"	"	"	"	"	
4-Isopropyl Toluene	ND	0.0048	"	"	"	"	"	"	
Methylene chloride	ND	0.0048	"	"	"	"	"	"	
Naphthalene	ND	0.0048	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0048	"	"	"	"	"	"	
Styrene	ND	0.0048	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0048	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0048	"	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0048	"	"	"	"	"	"	
Toluene	ND	0.0048	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0048	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0048	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0048	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0048	"	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0048	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0048	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0048	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0048	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0048	"	"	"	"	"	"	
Vinyl chloride	ND	0.0048	"	"	"	"	"	"	
Xylenes (total)	ND	0.0048	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane	106 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	100 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	95.9 %	70-130	"	"	"	"	"	"	

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Earth Systems Pacific 4378 Old Santa Fe Rd. San Luis Obispo CA, 93401	Project: Heritage Ridge Apts, NW Stockpile Project Number: SL-15702-EB Project Manager: Tim Conroy	Reported: 30-Jul-14 17:03
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SP-5@20-21'
1403128-20 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.0050	mg/kg	1	A407093	03-Jul-14	08-Jul-14	EPA 8270M SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	"	
Benz(a)anthracene	ND	0.0050	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0050	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0050	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.010	"	"	"	"	"	"	
Chrysene	ND	0.0050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.010	"	"	"	"	"	"	
Fluoranthene	ND	0.0050	"	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	"	
Phenanthrene	ND	0.0050	"	"	"	"	"	"	
Pyrene	ND	0.0050	"	"	"	"	"	"	

Surrogate: p-Terphenyl-d14

76.2 % 0-180 " " " "

SP-6@5-7'
1403128-21 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Wet Chemistry by EPA or APHA Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH @ 20 C	7.74	0.100	pH Units	1	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Specific Conductance (EC) @ 20 C	2400	2.0	umhos/cm	"	A407995	07-Jul-14	08-Jul-14	2510 B	
Sample Temperature During pH Analysis	22	1.0	°C	"	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Salinity	5.4	1.0	Salinity units	"	A407169	07-Jul-14	08-Jul-14	SM 2520B	

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Earth Systems Pacific
4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

SP-6@15-15.5'
1403128-22 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Total Metals by EPA 6000/7000 Series Methods

Antimony	ND	2.5	mg/kg	1	A407198	08-Jul-14	08-Jul-14	EPA 6010B	
Arsenic	3.3	0.99	"	"	"	"	"	"	
Barium	64	0.99	"	"	"	"	"	"	
Beryllium	ND	0.49	"	"	"	"	"	"	
Cadmium	ND	0.25	"	"	"	"	"	"	
Chromium	24	0.49	"	"	"	"	"	"	
Cobalt	6.5	0.49	"	"	"	"	"	"	
Copper	8.8	0.99	"	"	"	"	"	"	
Lead	5.6	0.49	"	"	"	"	"	"	
Mercury	ND	0.078	"	"	A407182	08-Jul-14	08-Jul-14	EPA 7471A	
Molybdenum	0.62	0.49	"	"	A407198	08-Jul-14	08-Jul-14	EPA 6010B	
Nickel	22	0.25	"	"	"	"	"	"	
Selenium	ND	2.0	"	"	"	"	"	"	
Silver	ND	0.49	"	"	"	"	"	"	
Thallium	ND	0.99	"	"	"	"	"	"	
Vanadium	24	0.99	"	"	"	"	"	"	
Zinc	30	0.99	"	"	"	"	"	"	

TVPH by GC FID

TPH Gasoline (C4-C12)	ND	0.49	mg/kg	1	A407277	10-Jul-14	11-Jul-14	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		86.6 %	70-130		"	"	"	"	

TEPH by GC FID

TPH Diesel (C13-C22)	ND	10	mg/kg	1	A407122	03-Jul-14	07-Jul-14	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		98.6 %	60-131		"	"	"	"	

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Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

SP-6@15-15.5'
1403128-22 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0048	mg/kg	1	A407138	07-Jul-14	08-Jul-14	EPA 8260B	
Bromobenzene	ND	0.0048	"	"	"	"	"	"	
Bromochloromethane	ND	0.0048	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0048	"	"	"	"	"	"	
Bromoform	ND	0.0048	"	"	"	"	"	"	
Bromomethane	ND	0.0048	"	"	"	"	"	"	CCHI
n-Butylbenzene	ND	0.0048	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0048	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0048	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0048	"	"	"	"	"	"	
Chlorobenzene	ND	0.0048	"	"	"	"	"	"	
Chloroethane	ND	0.0048	"	"	"	"	"	"	
Chloroform	ND	0.0048	"	"	"	"	"	"	
Chloromethane	ND	0.0048	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0048	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0048	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0048	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0048	"	"	"	"	"	"	
Dibromomethane	ND	0.0048	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0048	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0048	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0048	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0048	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0048	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0048	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0048	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0048	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0048	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0048	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0048	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0048	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0048	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0048	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0048	"	"	"	"	"	"	
Ethylbenzene	ND	0.0048	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0048	"	"	"	"	"	"	

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Earth Systems Pacific 4378 Old Santa Fe Rd. San Luis Obispo CA, 93401	Project: Heritage Ridge Apts, NW Stockpile Project Number: SL-15702-EB Project Manager: Tim Conroy	Reported: 30-Jul-14 17:03
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SP-6@15-15.5'
1403128-22 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Volatile Organic Compounds by EPA Method 8260B

Hexachlorobutadiene	ND	0.0048	mg/kg	1	A407138	07-Jul-14	08-Jul-14	EPA 8260B	
Isopropylbenzene	ND	0.0048	"	"	"	"	"	"	"
4-Isopropyl Toluene	ND	0.0048	"	"	"	"	"	"	"
Methylene chloride	ND	0.0048	"	"	"	"	"	"	"
Naphthalene	ND	0.0048	"	"	"	"	"	"	"
n-Propylbenzene	ND	0.0048	"	"	"	"	"	"	"
Styrene	ND	0.0048	"	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	0.0048	"	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	0.0048	"	"	"	"	"	"	"
Tetrachloroethene (PCE)	ND	0.0048	"	"	"	"	"	"	"
Toluene	ND	0.0048	"	"	"	"	"	"	"
1,2,3-Trichlorobenzene	ND	0.0048	"	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	0.0048	"	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	0.0048	"	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	0.0048	"	"	"	"	"	"	"
Trichloroethene (TCE)	ND	0.0048	"	"	"	"	"	"	"
Trichlorofluoromethane	ND	0.0048	"	"	"	"	"	"	"
1,2,3-Trichloropropane	ND	0.0048	"	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	0.0048	"	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	0.0048	"	"	"	"	"	"	"
Vinyl chloride	ND	0.0048	"	"	"	"	"	"	"
Xylenes (total)	ND	0.0048	"	"	"	"	"	"	"
Surrogate: Dibromofluoromethane		107 %	70-130		"	"	"	"	"
Surrogate: Toluene-d8		103 %	70-130		"	"	"	"	"
Surrogate: 4-Bromofluorobenzene		98.1 %	70-130		"	"	"	"	"

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Oilfield Environmental and Compliance, INC.

Earth Systems Pacific
4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

SP-6@15-15.5'
1403128-22 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Oilfield Environmental and Compliance

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Acenaphthene	ND	0.0050	mg/kg	1	A407093	03-Jul-14	09-Jul-14	EPA 8270M SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	"	
Benz(a)anthracene	0.0080	0.0050	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.015	0.0050	"	"	"	"	"	"	
Benzo (k) fluoranthene	0.0073	0.0050	"	"	"	"	"	"	
Benzo (a) pyrene	0.0090	0.0050	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.010	"	"	"	"	"	"	
Chrysene	0.0060	0.0050	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.010	"	"	"	"	"	"	
Fluoranthene	0.018	0.0050	"	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	"	
Phenanthrene	0.0090	0.0050	"	"	"	"	"	"	
Pyrene	0.017	0.0050	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl-d14		70.0 %	0-180		"	"	"	"	

SP-6@15-16'
1403128-23 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Wet Chemistry by EPA or APHA Standard Methods

pH @ 20 C	8.03	0.100	pH Units	1	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Specific Conductance (EC) @ 20 C	980	2.0	umhos/cm	"	A407995	07-Jul-14	08-Jul-14	2510 B	
Sample Temperature During pH Analysis	22	1.0	°C	"	A407152	07-Jul-14	07-Jul-14	EPA 9045	HT-pH
Salinity	2.1	1.0	Salinity units	"	A407169	07-Jul-14	08-Jul-14	SM 2520B	

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Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

SP-6@20-20.5'
1403128-24 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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TVPH by GC FID

TPH Gasoline (C4-C12)	ND	0.50	mg/kg	1	A407277	10-Jul-14	11-Jul-14	EPA 8015M	
<i>Surrogate: 4-Bromofluorobenzene</i>		83.9 %	70-130		"	"	"	"	

TEPH by GC FID

TPH Diesel (C13-C22)	190	50	mg/kg	5	A407122	03-Jul-14	07-Jul-14	EPA 8015M	
TPH Motor Oil (C23-C40)	100	50	"	"	"	"	"	"	
<i>Surrogate: o-Terphenyl</i>		96.2 %	60-131		"	"	"	"	

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Earth Systems Pacific 4378 Old Santa Fe Rd. San Luis Obispo CA, 93401	Project: Heritage Ridge Apts, NW Stockpile Project Number: SL-15702-EB Project Manager: Tim Conroy	Reported: 30-Jul-14 17:03
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Wet Chemistry by EPA or APHA Standard Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A407152 - EPA 9045 pH Prep										
LCS (A407152-BS1) Prepared & Analyzed: 07-Jul-14										
pH @ 20 C	4.00	0.100	pH Units	4.00		100	90-110			
LCS (A407152-BS2) Prepared & Analyzed: 07-Jul-14										
pH @ 20 C	7.02	0.100	pH Units	7.00		100	90-110			
LCS (A407152-BS3) Prepared & Analyzed: 07-Jul-14										
pH @ 20 C	10.0	0.100	pH Units	10.0		100	90-110			
LCS (A407152-BS4) Prepared & Analyzed: 07-Jul-14										
pH @ 20 C	11.9	0.100	pH Units	12.0		99.2	90-110			
Duplicate (A407152-DUP1) Source: 1403128-01 Prepared & Analyzed: 07-Jul-14										
pH @ 20 C	7.95	0.100	pH Units		7.98			0.377	10	
Sample Temperature During pH Analysis	21.7	1.0	°C		21.8			0.460	10	
Batch A407169 - SM 2520B Salinity Prep										
Blank (A407169-BLK1) Prepared: 07-Jul-14 Analyzed: 08-Jul-14										
Salinity	ND		1.0 Salinity units							
Duplicate (A407169-DUP1) Source: 1403128-01 Prepared: 07-Jul-14 Analyzed: 08-Jul-14										
Salinity	1.40		1.0 Salinity units		1.50			6.90	20	
Batch A407995 - SM 2510B Prep										
Blank (A407995-BLK1) Prepared: 07-Jul-14 Analyzed: 08-Jul-14										
Specific Conductance (EC) @ 20 C	ND		2.0 umhos/cm							



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Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

Wet Chemistry by EPA or APHA Standard Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A407995 - SM 2510B Prep										
LCS (A407995-BS1) Prepared: 07-Jul-14 Analyzed: 08-Jul-14										
Specific Conductance (EC) @ 20 C	101000	2.0	umhos/cm	99900		101	75-125			
LCS (A407995-BS2) Prepared: 07-Jul-14 Analyzed: 08-Jul-14										
Specific Conductance (EC) @ 20 C	9920	2.0	umhos/cm	9980		99.4	75-125			
LCS (A407995-BS3) Prepared: 07-Jul-14 Analyzed: 08-Jul-14										
Specific Conductance (EC) @ 20 C	204000	2.0	umhos/cm	200000		102	75-125			
Duplicate (A407995-DUP1) Source: 1403128-01 Prepared: 07-Jul-14 Analyzed: 08-Jul-14										
Specific Conductance (EC) @ 20 C	654	2.0	umhos/cm		725			10.3	20	

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Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
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Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A407116 - EPA 3050B

Blank (A407116-BLK1)

Prepared: 03-Jul-14 Analyzed: 07-Jul-14

Antimony	ND	2.5	mg/kg							
Arsenic	ND	1.0	"							
Barium	ND	1.0	"							
Beryllium	ND	0.50	"							
Cadmium	ND	0.25	"							
Chromium	ND	0.50	"							
Cobalt	ND	0.50	"							
Copper	ND	1.0	"							
Lead	ND	0.50	"							
Molybdenum	ND	0.50	"							
Nickel	ND	0.25	"							
Selenium	ND	2.0	"							
Silver	ND	0.50	"							
Thallium	ND	1.0	"							
Vanadium	ND	1.0	"							
Zinc	ND	1.0	"							

LCS (A407116-BS1)

Prepared: 03-Jul-14 Analyzed: 07-Jul-14

Antimony	100	2.5	mg/kg	100	100	80-120
Arsenic	99.6	1.0	"	100	99.6	80-120
Barium	109	1.0	"	100	109	80-120
Beryllium	107	0.50	"	100	107	80-120
Cadmium	103	0.25	"	100	103	80-120
Chromium	106	0.50	"	100	106	80-120
Cobalt	106	0.50	"	100	106	80-120
Copper	108	1.0	"	100	108	80-120
Lead	105	0.50	"	100	105	80-120
Molybdenum	104	0.50	"	100	104	80-120
Nickel	106	0.25	"	100	106	80-120
Selenium	98.5	2.0	"	100	98.5	80-120
Silver	5.24	0.50	"	5.00	105	80-120
Thallium	105	1.0	"	100	105	80-120
Vanadium	105	1.0	"	100	105	80-120
Zinc	103	1.0	"	100	103	80-120

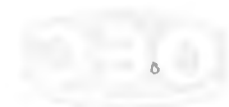
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Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A407116 - EPA 3050B

LCS Dup (A407116-BSD1)

Prepared: 03-Jul-14 Analyzed: 07-Jul-14

Antimony	98.4	2.5	mg/kg	100		98.4	80-120	1.66	20	
Arsenic	97.2	1.0	"	100		97.2	80-120	2.39	20	
Barium	107	1.0	"	100		107	80-120	2.13	20	
Beryllium	104	0.50	"	100		104	80-120	2.57	20	
Cadmium	101	0.25	"	100		101	80-120	2.11	20	
Chromium	101	0.50	"	100		101	80-120	4.73	20	
Cobalt	104	0.50	"	100		104	80-120	2.20	20	
Copper	102	1.0	"	100		102	80-120	5.39	20	
Lead	102	0.50	"	100		102	80-120	2.27	20	
Molybdenum	101	0.50	"	100		101	80-120	2.39	20	
Nickel	104	0.25	"	100		104	80-120	2.15	20	
Selenium	97.3	2.0	"	100		97.3	80-120	1.23	20	
Silver	4.89	0.50	"	5.00		97.8	80-120	7.01	20	
Thallium	103	1.0	"	100		103	80-120	1.30	20	
Vanadium	100	1.0	"	100		100	80-120	5.02	20	
Zinc	101	1.0	"	100		101	80-120	2.07	20	

Duplicate (A407116-DUP1)

Source: 1403128-14

Prepared: 03-Jul-14 Analyzed: 07-Jul-14

Antimony	ND	2.3	mg/kg		ND				20	
Arsenic	2.86	0.93	"		1.98			36.2	20	QR-04
Barium	40.8	0.93	"		42.9			5.04	20	
Beryllium	ND	0.46	"		ND				20	
Cadmium	0.139	0.23	"		ND				20	
Chromium	12.4	0.46	"		12.8			3.34	20	
Cobalt	3.52	0.46	"		3.14			11.4	20	
Copper	5.96	0.93	"		6.06			1.62	20	
Lead	3.46	0.46	"		3.71			7.18	20	
Molybdenum	0.833	0.46	"		0.403			69.5	20	QR-04
Nickel	13.5	0.23	"		12.7			6.14	20	
Selenium	ND	1.9	"		ND				20	
Silver	ND	0.46	"		ND				20	
Thallium	0.495	0.93	"		ND				20	
Vanadium	13.3	0.93	"		13.5			1.74	20	
Zinc	18.7	0.93	"		16.9			9.68	20	

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Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A407116 - EPA 3050B

Matrix Spike (A407116-MS1) Source: 1403128-14 Prepared: 03-Jul-14 Analyzed: 07-Jul-14

Antimony	76.9	2.5	mg/kg	99.6	ND	77.2	0-102			
Arsenic	103	1.0	"	99.6	1.98	101	61-133			
Barium	143	1.0	"	99.6	42.9	100	62-137			
Beryllium	103	0.50	"	99.6	ND	104	65-127			
Cadmium	101	0.25	"	99.6	ND	101	53-133			
Chromium	117	0.50	"	99.6	12.8	105	50-146			
Cobalt	104	0.50	"	99.6	3.14	101	53-132			
Copper	108	1.0	"	99.6	6.06	103	53-140			
Lead	103	0.50	"	99.6	3.71	99.7	54-132			
Molybdenum	101	0.50	"	99.6	0.403	101	42-136			
Nickel	115	0.25	"	99.6	12.7	103	49-138			
Selenium	100	2.0	"	99.6	ND	101	50-138			
Silver	4.99	0.50	"	4.98	ND	100	64-127			
Thallium	99.0	1.0	"	99.6	ND	99.4	53-127			
Vanadium	116	1.0	"	99.6	13.5	103	46-153			
Zinc	119	1.0	"	99.6	16.9	103	52-139			

Matrix Spike Dup (A407116-MSD1) Source: 1403128-14 Prepared: 03-Jul-14 Analyzed: 07-Jul-14

Antimony	69.5	2.4	mg/kg	95.3	ND	73.0	0-102	10.0	20	
Arsenic	96.5	0.95	"	95.3	1.98	99.2	61-133	6.29	20	
Barium	143	0.95	"	95.3	42.9	105	62-137	0.0137	20	
Beryllium	98.1	0.48	"	95.3	ND	103	65-127	5.11	20	
Cadmium	95.0	0.24	"	95.3	ND	99.6	53-133	6.12	20	
Chromium	115	0.48	"	95.3	12.8	107	50-146	1.99	20	
Cobalt	98.6	0.48	"	95.3	3.14	100	53-132	5.44	20	
Copper	104	0.95	"	95.3	6.06	103	53-140	3.65	20	
Lead	97.4	0.48	"	95.3	3.71	98.3	54-132	5.55	20	
Molybdenum	94.9	0.48	"	95.3	0.403	99.1	42-136	6.57	20	
Nickel	109	0.24	"	95.3	12.7	101	49-138	5.08	20	
Selenium	93.7	1.9	"	95.3	ND	98.2	50-138	6.75	20	
Silver	4.71	0.48	"	4.77	ND	98.8	64-127	5.79	20	
Thallium	93.4	0.95	"	95.3	ND	98.0	53-127	5.80	20	
Vanadium	114	0.95	"	95.3	13.5	105	46-153	2.22	20	
Zinc	113	0.95	"	95.3	16.9	101	52-139	5.01	20	

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Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A407182 - EPA 7471A Prep

Blank (A407182-BLK1)		Prepared & Analyzed: 08-Jul-14								
Mercury	ND	0.10	mg/kg							
LCS (A407182-BS1)		Prepared & Analyzed: 08-Jul-14								
Mercury	0.908	0.10	mg/kg	0.833		109	85-115			
LCS Dup (A407182-BSD1)		Prepared & Analyzed: 08-Jul-14								
Mercury	0.895	0.10	mg/kg	0.833		107	85-115	1.52	20	
Duplicate (A407182-DUP1)		Source: 1403128-02		Prepared & Analyzed: 08-Jul-14						
Mercury	ND	0.095	mg/kg		ND				20	
Matrix Spike (A407182-MS1)		Source: 1403128-02		Prepared & Analyzed: 08-Jul-14						
Mercury	0.736	0.091	mg/kg	0.755	ND	97.4	75-125			
Matrix Spike Dup (A407182-MSD1)		Source: 1403128-02		Prepared & Analyzed: 08-Jul-14						
Mercury	0.806	0.088	mg/kg	0.737	ND	109	75-125	9.15	20	
Post Spike (A407182-PS1)		Source: 1403128-02		Prepared & Analyzed: 08-Jul-14						
Mercury	5.45		ug/L	5.00	0.0117	109	85-115			

Batch A407198 - EPA 3050B

Blank (A407198-BLK1)		Prepared & Analyzed: 08-Jul-14								
Antimony	ND	2.5	mg/kg							
Arsenic	ND	1.0	"							
Barium	ND	1.0	"							
Beryllium	ND	0.50	"							
Cadmium	ND	0.25	"							
Chromium	ND	0.50	"							
Cobalt	ND	0.50	"							
Copper	ND	1.0	"							
Lead	ND	0.50	"							
Molybdenum	ND	0.50	"							
Nickel	ND	0.25	"							
Selenium	ND	2.0	"							
Silver	ND	0.50	"							
Thallium	ND	1.0	"							
Vanadium	ND	1.0	"							
Zinc	ND	1.0	"							

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Earth Systems Pacific 4378 Old Santa Fe Rd. San Luis Obispo CA, 93401	Project: Heritage Ridge Apts, NW Stockpile Project Number: SL-15702-EB Project Manager: Tim Conroy	Reported: 30-Jul-14 17:03
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Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A407198 - EPA 3050B

LCS (A407198-BS1)

Prepared & Analyzed: 08-Jul-14

Antimony	100	2.5	mg/kg	100		100	80-120			
Arsenic	101	1.0	"	100		101	80-120			
Barium	102	1.0	"	100		102	80-120			
Beryllium	99.6	0.50	"	100		99.6	80-120			
Cadmium	103	0.25	"	100		103	80-120			
Chromium	103	0.50	"	100		103	80-120			
Cobalt	106	0.50	"	100		106	80-120			
Copper	105	1.0	"	100		105	80-120			
Lead	105	0.50	"	100		105	80-120			
Molybdenum	103	0.50	"	100		103	80-120			
Nickel	106	0.25	"	100		106	80-120			
Selenium	99.8	2.0	"	100		99.8	80-120			
Silver	5.12	0.50	"	5.00		102	80-120			
Thallium	105	1.0	"	100		105	80-120			
Vanadium	102	1.0	"	100		102	80-120			
Zinc	102	1.0	"	100		102	80-120			

LCS Dup (A407198-BS1)

Prepared & Analyzed: 08-Jul-14

Antimony	102	2.5	mg/kg	100		102	80-120	1.68	20	
Arsenic	102	1.0	"	100		102	80-120	0.790	20	
Barium	106	1.0	"	100		106	80-120	4.19	20	
Beryllium	104	0.50	"	100		104	80-120	4.37	20	
Cadmium	104	0.25	"	100		104	80-120	1.35	20	
Chromium	102	0.50	"	100		102	80-120	0.876	20	
Cobalt	107	0.50	"	100		107	80-120	1.45	20	
Copper	104	1.0	"	100		104	80-120	0.620	20	
Lead	106	0.50	"	100		106	80-120	1.38	20	
Molybdenum	105	0.50	"	100		105	80-120	1.87	20	
Nickel	107	0.25	"	100		107	80-120	1.31	20	
Selenium	101	2.0	"	100		101	80-120	1.59	20	
Silver	5.18	0.50	"	5.00		104	80-120	1.17	20	
Thallium	107	1.0	"	100		107	80-120	1.70	20	
Vanadium	102	1.0	"	100		102	80-120	0.00	20	
Zinc	103	1.0	"	100		103	80-120	1.27	20	

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Oilfield Environmental and Compliance, INC.

Earth Systems Pacific
4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A407198 - EPA 3050B

Duplicate (A407198-DUP1)	Source: 1403128-02			Prepared & Analyzed: 08-Jul-14						
Antimony	ND	2.3	mg/kg		ND				20	
Arsenic	2.04	0.93	"		2.34			13.9	20	
Barium	46.1	0.93	"		37.1			21.7	20	QR-04
Beryllium	ND	0.47	"		ND				20	
Cadmium	ND	0.23	"		ND				20	
Chromium	18.0	0.47	"		14.4			21.9	20	QR-04
Cobalt	3.38	0.47	"		3.22			5.01	20	
Copper	5.97	0.93	"		5.24			13.0	20	
Lead	3.97	0.47	"		3.94			0.596	20	
Molybdenum	0.707	0.47	"		0.609			14.9	20	
Nickel	14.2	0.23	"		11.7			19.0	20	
Selenium	ND	1.9	"		ND				20	
Silver	ND	0.47	"		ND				20	
Thallium	0.558	0.93	"		ND				20	
Vanadium	19.4	0.93	"		16.2			18.0	20	
Zinc	19.5	0.93	"		16.6			16.2	20	

Matrix Spike (A407198-MS1)	Source: 1403128-02			Prepared & Analyzed: 08-Jul-14						
Antimony	60.0	2.4	mg/kg	96.0	ND	62.6	0-102			
Arsenic	102	0.96	"	96.0	2.34	104	61-133			
Barium	147	0.96	"	96.0	37.1	114	62-137			
Beryllium	98.5	0.48	"	96.0	ND	103	65-127			
Cadmium	97.5	0.24	"	96.0	ND	102	53-133			
Chromium	113	0.48	"	96.0	14.4	103	50-146			
Cobalt	100	0.48	"	96.0	3.22	101	53-132			
Copper	105	0.96	"	96.0	5.24	104	53-140			
Lead	99.8	0.48	"	96.0	3.94	99.8	54-132			
Molybdenum	97.9	0.48	"	96.0	0.609	101	42-136			
Nickel	109	0.24	"	96.0	11.7	102	49-138			
Selenium	97.2	1.9	"	96.0	ND	101	50-138			
Silver	4.67	0.48	"	4.80	ND	97.4	64-127			
Thallium	93.8	0.96	"	96.0	ND	97.8	53-127			
Vanadium	117	0.96	"	96.0	16.2	105	46-153			
Zinc	115	0.96	"	96.0	16.6	102	52-139			

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Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A407198 - EPA 3050B

Matrix Spike Dup (A407198-MSD1)	Source: 1403128-02			Prepared & Analyzed: 08-Jul-14						
Antimony	47.5	2.3	mg/kg	92.3	ND	51.4	0-102	23.4	20	QR-02
Arsenic	98.1	0.92	"	92.3	2.34	104	61-133	4.28	20	
Barium	143	0.92	"	92.3	37.1	114	62-137	2.88	20	
Beryllium	92.9	0.46	"	92.3	ND	101	65-127	5.83	20	
Cadmium	91.8	0.23	"	92.3	ND	99.4	53-133	6.00	20	
Chromium	109	0.46	"	92.3	14.4	103	50-146	3.65	20	
Cobalt	95.8	0.46	"	92.3	3.22	100	53-132	4.58	20	
Copper	101	0.92	"	92.3	5.24	104	53-140	3.77	20	
Lead	94.6	0.46	"	92.3	3.94	98.1	54-132	5.36	20	
Molybdenum	92.3	0.46	"	92.3	0.609	99.3	42-136	5.89	20	
Nickel	106	0.23	"	92.3	11.7	102	49-138	3.60	20	
Selenium	91.6	1.8	"	92.3	ND	99.2	50-138	5.90	20	
Silver	4.46	0.46	"	4.62	ND	96.6	64-127	4.68	20	
Thallium	88.2	0.92	"	92.3	ND	95.5	53-127	6.13	20	
Vanadium	115	0.92	"	92.3	16.2	107	46-153	1.78	20	
Zinc	113	0.92	"	92.3	16.6	105	52-139	1.09	20	

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Reported:
30-Jul-14 17:03

STLC Metals by 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A407664 - EPA 3050B Leachate										
Blank (A407664-BLK1)										
Prepared & Analyzed: 22-Jul-14										
Chromium	ND	0.050	mg/L							
LCS (A407664-BS1)										
Prepared & Analyzed: 22-Jul-14										
Chromium	10.1	0.050	mg/L	10.0		101	80-120			
LCS Dup (A407664-BSD1)										
Prepared & Analyzed: 22-Jul-14										
Chromium	10.4	0.050	mg/L	10.0		104	80-120	2.93	20	
Duplicate (A407664-DUP1)										
Source: 1403345-01 Prepared & Analyzed: 22-Jul-14										
Chromium	0.332	0.050	mg/L		0.338			1.94	20	
Matrix Spike (A407664-MS1)										
Source: 1403345-01 Prepared & Analyzed: 22-Jul-14										
Chromium	11.0	0.050	mg/L	10.0	0.338	107	75-125			
Matrix Spike Dup (A407664-MSD1)										
Source: 1403345-01 Prepared & Analyzed: 22-Jul-14										
Chromium	10.7	0.050	mg/L	10.0	0.338	104	75-125	2.85	20	



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Project Number: SL-15702-EB
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Reported:
30-Jul-14 17:03

TVPH by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A407119 - EPA 5035/5030B MEOH GC										
Blank (A407119-BLK1) Prepared & Analyzed: 03-Jul-14										
TPH Gasoline (C4-C12)	ND	0.50	mg/kg							
Surrogate: 4-Bromofluorobenzene	0.108		"	0.126		85.5	70-130			
LCS (A407119-BS1) Prepared & Analyzed: 03-Jul-14										
TPH Gasoline (C4-C12)	0.409	0.50	mg/kg	0.499		82.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.126		89.0	70-130			
LCS Dup (A407119-BSD1) Prepared & Analyzed: 03-Jul-14										
TPH Gasoline (C4-C12)	0.377	0.50	mg/kg	0.499		75.5	70-130	8.17	20	
Surrogate: 4-Bromofluorobenzene	0.107		"	0.126		85.4	70-130			
Matrix Spike (A407119-MS1) Source: 1403082-33 Prepared: 03-Jul-14 Analyzed: 04-Jul-14										
TPH Gasoline (C4-C12)	0.201	0.50	mg/kg	0.497	ND	40.5	70-130			QM-07
Surrogate: 4-Bromofluorobenzene	0.121		"	0.125		96.8	70-130			
Matrix Spike Dup (A407119-MSD1) Source: 1403082-33 Prepared: 03-Jul-14 Analyzed: 04-Jul-14										
TPH Gasoline (C4-C12)	0.215	0.50	mg/kg	0.497	ND	43.3	70-130	6.75	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.122		"	0.125		97.7	70-130			
Batch A407277 - EPA 5035/5030B MEOH GC										
Blank (A407277-BLK1) Prepared & Analyzed: 10-Jul-14										
TPH Gasoline (C4-C12)	ND	0.49	mg/kg							
Surrogate: 4-Bromofluorobenzene	0.111		"	0.125		88.8	70-130			
LCS (A407277-BS1) Prepared & Analyzed: 10-Jul-14										
TPH Gasoline (C4-C12)	0.436	0.50	mg/kg	0.497		87.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.125		91.2	70-130			



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Reported:
30-Jul-14 17:03

TVPH by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A407277 - EPA 5035/5030B MEOH GC										
LCS Dup (A407277-BSD1)										
				Prepared & Analyzed: 10-Jul-14						
TPH Gasoline (C4-C12)	0.457	0.48	mg/kg	0.484		94.5	70-130	4.74	20	
Surrogate: 4-Bromofluorobenzene	0.106		"	0.122		86.6	70-130			
Duplicate (A407277-DUP1)										
				Source: 1403019-08			Prepared & Analyzed: 10-Jul-14			
TPH Gasoline (C4-C12)	ND	0.48	mg/kg		ND				20	
Surrogate: 4-Bromofluorobenzene	0.103		"	0.122		84.4	70-130			
Matrix Spike (A407277-MS1)										
				Source: 1403019-09			Prepared & Analyzed: 10-Jul-14			
TPH Gasoline (C4-C12)	0.465	0.49	mg/kg	0.494	ND	94.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.113		"	0.125		91.0	70-130			
Matrix Spike Dup (A407277-MSD1)										
				Source: 1403019-09			Prepared & Analyzed: 10-Jul-14			
TPH Gasoline (C4-C12)	0.411	0.48	mg/kg	0.483	ND	85.1	70-130	12.4	20	
Surrogate: 4-Bromofluorobenzene	0.109		"	0.122		89.9	70-130			



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Reported:
 30-Jul-14 17:03

TEPH by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
Batch A407112 - EPA 3550B										
Blank (A407112-BLK1) Prepared & Analyzed: 03-Jul-14										
TPH Diesel (C13-C22)	ND	10	mg/kg							
TPH Motor Oil (C23-C40)	ND	50	"							
Surrogate: o-Terphenyl	55.8		"	50.0		112	50-139			
LCS (A407112-BS1) Prepared & Analyzed: 03-Jul-14										
TPH Diesel (C13-C22)	499	10	mg/kg	500		99.9	73-116			
Surrogate: o-Terphenyl	51.1		"	50.0		102	50-139			
LCS Dup (A407112-BSD1) Prepared & Analyzed: 03-Jul-14										
TPH Diesel (C13-C22)	508	10	mg/kg	500		102	73-116	1.67	20	
Surrogate: o-Terphenyl	50.6		"	50.0		101	50-139			
Duplicate (A407112-DUP1) Source: 1403082-33 Prepared & Analyzed: 03-Jul-14										
TPH Diesel (C13-C22)	695	50	mg/kg		726			4.39	20	
TPH Motor Oil (C23-C40)	1790	250	"		1800			0.345	20	
Surrogate: o-Terphenyl	51.0		"	50.0		102	50-139			
Matrix Spike (A407112-MS1) Source: 1403128-07 Prepared & Analyzed: 03-Jul-14										
TPH Diesel (C13-C22)	475	10	mg/kg	500	ND	95.0	47-142			
Surrogate: o-Terphenyl	49.0		"	50.0		97.9	50-139			
Matrix Spike Dup (A407112-MSD1) Source: 1403128-07 Prepared & Analyzed: 03-Jul-14										
TPH Diesel (C13-C22)	490	10	mg/kg	500	ND	98.0	47-142	3.07	20	
Surrogate: o-Terphenyl	49.1		"	50.0		98.2	50-139			
Batch A407122 - EPA 3550B										
Blank (A407122-BLK1) Prepared: 03-Jul-14 Analyzed: 07-Jul-14										
TPH Diesel (C13-C22)	ND	10	mg/kg							
TPH Motor Oil (C23-C40)	ND	50	"							
Surrogate: o-Terphenyl	48.4		"	50.0		96.8	50-139			



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 30-Jul-14 17:03

TEPH by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A407122 - EPA 3550B										
LCS (A407122-BS1)										
					Prepared: 03-Jul-14 Analyzed: 07-Jul-14					
TPH Diesel (C13-C22)	435	10	mg/kg	500		87.1	73-116			
Surrogate: o-Terphenyl	48.5		"	50.0		97.0	50-139			
LCS Dup (A407122-BSD1)										
					Prepared: 03-Jul-14 Analyzed: 07-Jul-14					
TPH Diesel (C13-C22)	444	10	mg/kg	500		88.7	73-116	1.85	20	
Surrogate: o-Terphenyl	48.4		"	50.0		96.9	50-139			
Duplicate (A407122-DUP1)										
					Source: 1403128-18 Prepared: 03-Jul-14 Analyzed: 07-Jul-14					
TPH Diesel (C13-C22)	7.64	10	mg/kg		ND				20	
TPH Motor Oil (C23-C40)	ND	50	"		ND				20	
Surrogate: o-Terphenyl	50.5		"	50.0		101	50-139			
Matrix Spike (A407122-MS1)										
					Source: 1403128-11 Prepared: 03-Jul-14 Analyzed: 07-Jul-14					
TPH Diesel (C13-C22)	442	10	mg/kg	500	ND	88.5	47-142			
Surrogate: o-Terphenyl	48.0		"	50.0		96.1	50-139			
Matrix Spike Dup (A407122-MSD1)										
					Source: 1403128-11 Prepared: 03-Jul-14 Analyzed: 07-Jul-14					
TPH Diesel (C13-C22)	449	10	mg/kg	500	ND	89.8	47-142	1.48	20	
Surrogate: o-Terphenyl	48.2		"	50.0		96.4	50-139			



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Reported:
30-Jul-14 17:03

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Notes
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Batch A407138 - EPA 5035/5030B MEOH

Prepared & Analyzed: 07-Jul-14

Blank (A407138-BLK1)

Benzene	ND	0.0050	mg/kg							
Bromobenzene	ND	0.0050	"							
Bromochloromethane	ND	0.0050	"							
Bromodichloromethane	ND	0.0050	"							
Bromoform	ND	0.0050	"							
Bromomethane	ND	0.0050	"							CCHI
n-Butylbenzene	ND	0.0050	"							
sec-Butylbenzene	ND	0.0050	"							
tert-Butylbenzene	ND	0.0050	"							
Carbon tetrachloride	ND	0.0050	"							
Chlorobenzene	ND	0.0050	"							
Chloroethane	ND	0.0050	"							
Chloroform	ND	0.0050	"							
Chloromethane	ND	0.0050	"							
2-Chlorotoluene	ND	0.0050	"							
4-Chlorotoluene	ND	0.0050	"							
1,2-Dibromo-3-chloropropane	ND	0.0050	"							
Dibromochloromethane	ND	0.0050	"							
Dibromomethane	ND	0.0050	"							
1,2-Dichlorobenzene	ND	0.0050	"							
1,3-Dichlorobenzene	ND	0.0050	"							
1,4-Dichlorobenzene	ND	0.0050	"							
Dichlorodifluoromethane	ND	0.0050	"							
1,1-Dichloroethane	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,1-Dichloroethene	ND	0.0050	"							
cis-1,2-Dichloroethene	ND	0.0050	"							
trans-1,2-Dichloroethene	ND	0.0050	"							
1,2-Dichloropropane	ND	0.0050	"							
1,3-Dichloropropane	ND	0.0050	"							
2,2-Dichloropropane	ND	0.0050	"							
1,1-Dichloropropene	ND	0.0050	"							
cis-1,3-Dichloropropene	ND	0.0050	"							
trans-1,3-Dichloropropene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
Hexachlorobutadiene	ND	0.0050	"							
Isopropylbenzene	ND	0.0050	"							
4-Isopropyl Toluene	ND	0.0050	"							
Methylene chloride	ND	0.0050	"							

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Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A407138 - EPA 5035/5030B MEOH

Blank (A407138-BLK1)

Prepared & Analyzed: 07-Jul-14

Naphthalene	ND	0.0050	mg/kg							
n-Propylbenzene	ND	0.0050	"							
Styrene	ND	0.0050	"							
1,1,1,2-Tetrachloroethane	ND	0.0050	"							
1,1,2,2-Tetrachloroethane	ND	0.0050	"							
Tetrachloroethene (PCE)	ND	0.0050	"							
Toluene	ND	0.0050	"							
1,2,3-Trichlorobenzene	ND	0.0050	"							
1,2,4-Trichlorobenzene	ND	0.0050	"							
1,1,1-Trichloroethane	ND	0.0050	"							
1,1,2-Trichloroethane	ND	0.0050	"							
Trichloroethene (TCE)	ND	0.0050	"							
Trichlorofluoromethane	ND	0.0050	"							
1,2,3-Trichloropropane	ND	0.0050	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Vinyl chloride	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Surrogate: Dibromofluoromethane	0.0519		"	0.0498		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.0488		"	0.0498		98.0	70-130			
Surrogate: Toluene-d8	0.0510		"	0.0498		102	70-130			

LCS (A407138-BS1)

Prepared & Analyzed: 07-Jul-14

Benzene	0.105	0.0050	mg/kg	0.0996		105	70-130			
Chlorobenzene	0.105	0.0050	"	0.0996		105	70-130			
1,1-Dichloroethene	0.123	0.0050	"	0.0996		124	70-130			
Toluene	0.104	0.0050	"	0.0996		105	70-130			
Trichloroethene (TCE)	0.104	0.0050	"	0.0996		105	70-130			
Surrogate: Dibromofluoromethane	0.0514		"	0.0498		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.0498		"	0.0498		99.9	70-130			
Surrogate: Toluene-d8	0.0506		"	0.0498		102	70-130			

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Oilfield Environmental and Compliance, INC.

Earth Systems Pacific
4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A407138 - EPA 5035/5030B MEOH

LCS Dup (A407138-BSD1)

Prepared & Analyzed: 07-Jul-14

Benzene	0.105	0.0051	mg/kg	0.102		104	70-130	0.758	20	
Chlorobenzene	0.0999	0.0051	"	0.102		98.1	70-130	4.75	20	
1,1-Dichloroethene	0.124	0.0051	"	0.102		121	70-130	0.321	20	
Toluene	0.102	0.0051	"	0.102		100	70-130	2.55	20	
Trichloroethene (TCE)	0.102	0.0051	"	0.102		100	70-130	2.23	20	
Surrogate: Dibromofluoromethane	0.0526		"	0.0509		103	70-130			
Surrogate: Toluene-d8	0.0512		"	0.0509		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.0489		"	0.0509		96.1	70-130			

Duplicate (A407138-DUP1)

Source: 1403131-10

Prepared & Analyzed: 07-Jul-14

Benzene	ND	0.0051	mg/kg		ND				20	
Bromobenzene	ND	0.0051	"		ND				20	
Bromochloromethane	ND	0.0051	"		ND				20	
Bromodichloromethane	ND	0.0051	"		ND				20	
Bromoform	ND	0.0051	"		ND				20	
Bromomethane	ND	0.0051	"		ND				20	CCHI
n-Butylbenzene	ND	0.0051	"		ND				20	
sec-Butylbenzene	ND	0.0051	"		ND				20	
tert-Butylbenzene	ND	0.0051	"		ND				20	
Carbon tetrachloride	ND	0.0051	"		ND				20	
Chlorobenzene	ND	0.0051	"		ND				20	
Chloroethane	ND	0.0051	"		ND				20	
Chloroform	ND	0.0051	"		ND				20	
Chloromethane	ND	0.0051	"		ND				20	
2-Chlorotoluene	ND	0.0051	"		ND				20	
4-Chlorotoluene	ND	0.0051	"		ND				20	
1,2-Dibromo-3-chloropropane	ND	0.0051	"		ND				20	
Dibromochloromethane	ND	0.0051	"		ND				20	
Dibromomethane	ND	0.0051	"		ND				20	
1,2-Dichlorobenzene	ND	0.0051	"		ND				20	
1,3-Dichlorobenzene	ND	0.0051	"		ND				20	
1,4-Dichlorobenzene	ND	0.0051	"		ND				20	
Dichlorodifluoromethane	ND	0.0051	"		ND				20	
1,1-Dichloroethane	ND	0.0051	"		ND				20	
1,2-Dichloroethane	ND	0.0051	"		ND				20	
1,1-Dichloroethene	ND	0.0051	"		ND				20	
cis-1,2-Dichloroethene	ND	0.0051	"		ND				20	
trans-1,2-Dichloroethene	ND	0.0051	"		ND				20	
1,2-Dichloropropane	ND	0.0051	"		ND				20	
1,3-Dichloropropane	ND	0.0051	"		ND				20	

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4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A407138 - EPA 5035/5030B MEOH

Duplicate (A407138-DUP1)

Source: 1403131-10

Prepared & Analyzed: 07-Jul-14

2,2-Dichloropropane	ND	0.0051	mg/kg		ND				20	
1,1-Dichloropropene	ND	0.0051	"		ND				20	
cis-1,3-Dichloropropene	ND	0.0051	"		ND				20	
trans-1,3-Dichloropropene	ND	0.0051	"		ND				20	
Ethylbenzene	ND	0.0051	"		ND				20	
1,2-Dibromoethane (EDB)	ND	0.0051	"		ND				20	
Hexachlorobutadiene	ND	0.0051	"		ND				20	
Isopropylbenzene	ND	0.0051	"		ND				20	
4-Isopropyl Toluene	ND	0.0051	"		ND				20	
Methylene chloride	ND	0.0051	"		ND				20	
Naphthalene	ND	0.0051	"		ND				20	
n-Propylbenzene	ND	0.0051	"		ND				20	
Styrene	ND	0.0051	"		ND				20	
1,1,1,2-Tetrachloroethane	ND	0.0051	"		ND				20	
1,1,2,2-Tetrachloroethane	ND	0.0051	"		ND				20	
Tetrachloroethene (PCE)	ND	0.0051	"		ND				20	
Toluene	ND	0.0051	"		ND				20	
1,2,3-Trichlorobenzene	ND	0.0051	"		ND				20	
1,2,4-Trichlorobenzene	ND	0.0051	"		ND				20	
1,1,1-Trichloroethane	ND	0.0051	"		ND				20	
1,1,2-Trichloroethane	ND	0.0051	"		ND				20	
Trichloroethene (TCE)	ND	0.0051	"		ND				20	
Trichlorofluoromethane	ND	0.0051	"		ND				20	
1,2,3-Trichloropropane	ND	0.0051	"		ND				20	
1,2,4-Trimethylbenzene	ND	0.0051	"		ND				20	
1,3,5-Trimethylbenzene	ND	0.0051	"		ND				20	
Vinyl chloride	ND	0.0051	"		ND				20	
Xylenes (total)	ND	0.0051	"		ND				20	
Surrogate: Dibromofluoromethane	0.0544		"	0.0507		107	70-130			
Surrogate: Toluene-d8	0.0527		"	0.0507		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.0492		"	0.0507		97.0	70-130			

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30-Jul-14 17:03

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A407138 - EPA 5035/5030B MEOH

Matrix Spike (A407138-MS1)

Source: 1403131-10

Prepared & Analyzed: 07-Jul-14

Benzene	0.102	0.0049	mg/kg	0.0975	ND	104	70-130			
Chlorobenzene	0.102	0.0049	"	0.0975	ND	104	70-130			
1,1-Dichloroethene	0.116	0.0049	"	0.0975	ND	119	70-130			
Toluene	0.100	0.0049	"	0.0975	ND	103	70-130			
Trichloroethene (TCE)	0.101	0.0049	"	0.0975	ND	104	70-130			
Surrogate: Dibromofluoromethane	0.0511		"	0.0487		105	70-130			
Surrogate: Toluene-d8	0.0492		"	0.0487		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.0484		"	0.0487		99.3	70-130			

Batch A407177 - EPA 5035/5030B MEOH

Blank (A407177-BLK1)

Prepared & Analyzed: 08-Jul-14

Benzene	ND	0.0049	mg/kg							
Bromobenzene	ND	0.0049	"							
Bromochloromethane	ND	0.0049	"							
Bromodichloromethane	ND	0.0049	"							
Bromoform	ND	0.0049	"							
Bromomethane	ND	0.0049	"							
n-Butylbenzene	ND	0.0049	"							
sec-Butylbenzene	ND	0.0049	"							
tert-Butylbenzene	ND	0.0049	"							
Carbon tetrachloride	ND	0.0049	"							
Chlorobenzene	ND	0.0049	"							
Chloroethane	ND	0.0049	"							
Chloroform	ND	0.0049	"							
Chloromethane	ND	0.0049	"							
2-Chlorotoluene	ND	0.0049	"							
4-Chlorotoluene	ND	0.0049	"							
1,2-Dibromo-3-chloropropane	ND	0.0049	"							
Dibromochloromethane	ND	0.0049	"							
Dibromomethane	ND	0.0049	"							
1,2-Dichlorobenzene	ND	0.0049	"							
1,3-Dichlorobenzene	ND	0.0049	"							
1,4-Dichlorobenzene	ND	0.0049	"							
Dichlorodifluoromethane	ND	0.0049	"							
1,1-Dichloroethane	ND	0.0049	"							
1,2-Dichloroethane	ND	0.0049	"							
1,1-Dichloroethene	ND	0.0049	"							
cis-1,2-Dichloroethene	ND	0.0049	"							
trans-1,2-Dichloroethene	ND	0.0049	"							
1,2-Dichloropropane	ND	0.0049	"							

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A407177 - EPA 5035/5030B MEOH

Blank (A407177-BLK1)

Prepared & Analyzed: 08-Jul-14

1,3-Dichloropropane	ND	0.0049	mg/kg							
2,2-Dichloropropane	ND	0.0049	"							
1,1-Dichloropropene	ND	0.0049	"							
cis-1,3-Dichloropropene	ND	0.0049	"							
trans-1,3-Dichloropropene	ND	0.0049	"							
Ethylbenzene	ND	0.0049	"							
1,2-Dibromoethane (EDB)	ND	0.0049	"							
Hexachlorobutadiene	ND	0.0049	"							
Isopropylbenzene	ND	0.0049	"							
4-Isopropyl Toluene	ND	0.0049	"							
Methylene chloride	ND	0.0049	"							
Naphthalene	ND	0.0049	"							
n-Propylbenzene	ND	0.0049	"							
Styrene	ND	0.0049	"							
1,1,1,2-Tetrachloroethane	ND	0.0049	"							
1,1,2,2-Tetrachloroethane	ND	0.0049	"							
Tetrachloroethene (PCE)	ND	0.0049	"							
Toluene	ND	0.0049	"							
1,2,3-Trichlorobenzene	ND	0.0049	"							
1,2,4-Trichlorobenzene	ND	0.0049	"							
1,1,1-Trichloroethane	ND	0.0049	"							
1,1,2-Trichloroethane	ND	0.0049	"							
Trichloroethene (TCE)	ND	0.0049	"							
Trichlorofluoromethane	ND	0.0049	"							
1,2,3-Trichloropropane	ND	0.0049	"							
1,2,4-Trimethylbenzene	ND	0.0049	"							
1,3,5-Trimethylbenzene	ND	0.0049	"							
Vinyl chloride	ND	0.0049	"							
Xylenes (total)	ND	0.0049	"							
Surrogate: Dibromofluoromethane	0.0504		"	0.0490		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.0476		"	0.0490		97.2	70-130			
Surrogate: Toluene-d8	0.0498		"	0.0490		102	70-130			

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Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A407177 - EPA 5035/5030B MEOH										
LCS (A407177-BS1)										
Prepared & Analyzed: 08-Jul-14										
Benzene	0.105	0.0051	mg/kg	0.101		104	70-130			
Chlorobenzene	0.109	0.0051	"	0.101		108	70-130			
1,1-Dichloroethene	0.126	0.0051	"	0.101		124	70-130			
Toluene	0.104	0.0051	"	0.101		103	70-130			
Trichloroethene (TCE)	0.103	0.0051	"	0.101		102	70-130			
Surrogate: Dibromofluoromethane	0.0524		"	0.0506		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.0497		"	0.0506		98.2	70-130			
Surrogate: Toluene-d8	0.0501		"	0.0506		99.0	70-130			
LCS Dup (A407177-BSD1)										
Prepared & Analyzed: 08-Jul-14										
Benzene	0.106	0.0051	mg/kg	0.101		105	70-130	1.10	20	
Chlorobenzene	0.109	0.0051	"	0.101		108	70-130	0.132	20	
1,1-Dichloroethene	0.125	0.0051	"	0.101		124	70-130	0.525	20	
Toluene	0.105	0.0051	"	0.101		104	70-130	0.877	20	
Trichloroethene (TCE)	0.104	0.0051	"	0.101		103	70-130	0.812	20	
Surrogate: Dibromofluoromethane	0.0518		"	0.0505		102	70-130			
Surrogate: Toluene-d8	0.0505		"	0.0505		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.0490		"	0.0505		97.0	70-130			
Duplicate (A407177-DUP1)										
Source: 1403128-20 Prepared & Analyzed: 08-Jul-14										
Benzene	ND	0.0048	mg/kg		ND				20	
Bromobenzene	ND	0.0048	"		ND				20	
Bromochloromethane	ND	0.0048	"		ND				20	
Bromodichloromethane	ND	0.0048	"		ND				20	
Bromoform	ND	0.0048	"		ND				20	
Bromomethane	ND	0.0048	"		ND				20	
n-Butylbenzene	ND	0.0048	"		ND				20	
sec-Butylbenzene	ND	0.0048	"		ND				20	
tert-Butylbenzene	ND	0.0048	"		ND				20	
Carbon tetrachloride	ND	0.0048	"		ND				20	
Chlorobenzene	ND	0.0048	"		ND				20	
Chloroethane	ND	0.0048	"		ND				20	
Chloroform	ND	0.0048	"		ND				20	
Chloromethane	ND	0.0048	"		ND				20	
2-Chlorotoluene	ND	0.0048	"		ND				20	
4-Chlorotoluene	ND	0.0048	"		ND				20	
1,2-Dibromo-3-chloropropane	ND	0.0048	"		ND				20	
Dibromochloromethane	ND	0.0048	"		ND				20	
Dibromomethane	ND	0.0048	"		ND				20	
1,2-Dichlorobenzene	ND	0.0048	"		ND				20	
1,3-Dichlorobenzene	ND	0.0048	"		ND				20	

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Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A407177 - EPA 5035/5030B MEOH

Duplicate (A407177-DUP1)

Source: 1403128-20

Prepared & Analyzed: 08-Jul-14

1,4-Dichlorobenzene	ND	0.0048	mg/kg		ND				20	
Dichlorodifluoromethane	ND	0.0048	"		ND				20	
1,1-Dichloroethane	ND	0.0048	"		ND				20	
1,2-Dichloroethane	ND	0.0048	"		ND				20	
1,1-Dichloroethene	ND	0.0048	"		ND				20	
cis-1,2-Dichloroethene	ND	0.0048	"		ND				20	
trans-1,2-Dichloroethene	ND	0.0048	"		ND				20	
1,2-Dichloropropane	ND	0.0048	"		ND				20	
1,3-Dichloropropane	ND	0.0048	"		ND				20	
2,2-Dichloropropane	ND	0.0048	"		ND				20	
1,1-Dichloropropene	ND	0.0048	"		ND				20	
cis-1,3-Dichloropropene	ND	0.0048	"		ND				20	
trans-1,3-Dichloropropene	ND	0.0048	"		ND				20	
Ethylbenzene	ND	0.0048	"		ND				20	
1,2-Dibromoethane (EDB)	ND	0.0048	"		ND				20	
Hexachlorobutadiene	ND	0.0048	"		ND				20	
Isopropylbenzene	ND	0.0048	"		ND				20	
4-Isopropyl Toluene	ND	0.0048	"		ND				20	
Methylene chloride	ND	0.0048	"		ND				20	
Naphthalene	ND	0.0048	"		ND				20	
n-Propylbenzene	ND	0.0048	"		ND				20	
Styrene	ND	0.0048	"		ND				20	
1,1,1,2-Tetrachloroethane	ND	0.0048	"		ND				20	
1,1,2,2-Tetrachloroethane	ND	0.0048	"		ND				20	
Tetrachloroethene (PCE)	ND	0.0048	"		ND				20	
Toluene	0.000722	0.0048	"		0.000650			10.5	20	
1,2,3-Trichlorobenzene	ND	0.0048	"		ND				20	
1,2,4-Trichlorobenzene	ND	0.0048	"		ND				20	
1,1,1-Trichloroethane	ND	0.0048	"		ND				20	
1,1,2-Trichloroethane	ND	0.0048	"		ND				20	
Trichloroethene (TCE)	ND	0.0048	"		ND				20	
Trichlorofluoromethane	ND	0.0048	"		ND				20	
1,2,3-Trichloropropane	ND	0.0048	"		ND				20	
1,2,4-Trimethylbenzene	ND	0.0048	"		ND				20	
1,3,5-Trimethylbenzene	ND	0.0048	"		ND				20	
Vinyl chloride	ND	0.0048	"		ND				20	
Xylenes (total)	ND	0.0048	"		ND				20	
Surrogate: Dibromofluoromethane	0.0508		"	0.0475		107	70-130			
Surrogate: Toluene-d8	0.0477		"	0.0475		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.0460		"	0.0475		96.7	70-130			

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Project: Heritage Ridge Apts, NW Stockpile
 Project Number: SL-15702-EB
 Project Manager: Tim Conroy

Reported:
 30-Jul-14 17:03

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A407177 - EPA 5035/5030B MEOH

Matrix Spike (A407177-MS1)

Source: 1403128-20

Prepared & Analyzed: 08-Jul-14

Benzene	0.102	0.0049	mg/kg	0.0988	ND	103	70-130			
Chlorobenzene	0.101	0.0049	"	0.0988	ND	102	70-130			
1,1-Dichloroethene	0.121	0.0049	"	0.0988	ND	123	70-130			
Toluene	0.0998	0.0049	"	0.0988	0.000650	100	70-130			
Trichloroethene (TCE)	0.0967	0.0049	"	0.0988	ND	97.9	70-130			
Surrogate: Dibromofluoromethane	0.0513		"	0.0494		104	70-130			
Surrogate: Toluene-d8	0.0493		"	0.0494		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.0473		"	0.0494		95.8	70-130			

Oilfield Environmental and Compliance

307 Roemer Way, Suite 300, Santa Maria, CA 93454

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TEL: (805) 922-4772
 FAX: (805) 925-3376



Oilfield Environmental and Compliance, INC.

Earth Systems Pacific
4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch A407093 - EPA 3550B MS

Blank (A407093-BLK1)

Prepared: 03-Jul-14 Analyzed: 07-Jul-14

Acenaphthene	ND	0.0050	mg/kg							
Acenaphthylene	ND	0.0050	"							
Anthracene	ND	0.0050	"							
Benz(a)anthracene	ND	0.0050	"							
Benzo (b) fluoranthene	ND	0.0050	"							
Benzo (k) fluoranthene	ND	0.0050	"							
Benzo (a) pyrene	ND	0.0050	"							
Benzo (g,h,i) perylene	ND	0.010	"							
Chrysene	ND	0.0050	"							
Dibenz (a,h) anthracene	ND	0.010	"							
Fluoranthene	ND	0.0050	"							
Fluorene	ND	0.0050	"							
Indeno (1,2,3-cd) pyrene	ND	0.0050	"							
Naphthalene	ND	0.010	"							
Phenanthrene	ND	0.0050	"							
Pyrene	ND	0.0050	"							

Surrogate: p-Terphenyl-d14 0.0217 " 0.0267 81.3 0-180

LCS (A407093-BS1)

Prepared: 03-Jul-14 Analyzed: 07-Jul-14

Acenaphthene	0.0167	0.0050	mg/kg	0.0267		62.5	37-94			
Acenaphthylene	0.0137	0.0050	"	0.0267		51.3	39-92			
Anthracene	0.0210	0.0050	"	0.0267		78.7	47-123			
Benz(a)anthracene	0.0260	0.0050	"	0.0267		97.5	67-126			
Benzo (b) fluoranthene	0.0287	0.0050	"	0.0267		108	61-131			
Benzo (k) fluoranthene	0.0263	0.0050	"	0.0267		98.7	69-136			
Benzo (a) pyrene	0.0267	0.0050	"	0.0267		100	66-125			
Benzo (g,h,i) perylene	0.0327	0.010	"	0.0267		122	54-139			
Chrysene	0.0250	0.0050	"	0.0267		93.7	81-127			
Dibenz (a,h) anthracene	0.0293	0.010	"	0.0267		110	48-149			
Fluoranthene	0.0250	0.0050	"	0.0267		93.7	77-114			
Fluorene	0.0173	0.0050	"	0.0267		65.0	38-97			
Indeno (1,2,3-cd) pyrene	0.0330	0.0050	"	0.0267		124	56-140			
Naphthalene	0.0150	0.010	"	0.0267		56.2	36-83			
Phenanthrene	0.0150	0.0050	"	0.0267		56.2	41-108			
Pyrene	0.0250	0.0050	"	0.0267		93.7	78-116			

Surrogate: p-Terphenyl-d14 0.0253 " 0.0267 95.0 0-180

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Reported:
30-Jul-14 17:03

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch A407093 - EPA 3550B MS

LCS Dup (A407093-BSD1)

Prepared: 03-Jul-14 Analyzed: 07-Jul-14

Acenaphthene	0.0160	0.0050	mg/kg	0.0267		60.0	37-94	4.08	30	
Acenaphthylene	0.0107	0.0050	"	0.0267		40.0	39-92	24.7	30	
Anthracene	0.0207	0.0050	"	0.0267		77.5	47-123	1.60	30	
Benz(a)anthracene	0.0190	0.0050	"	0.0267		71.2	67-126	31.1	30	QR-02
Benzo (b) fluoranthene	0.0237	0.0050	"	0.0267		88.8	61-131	19.1	30	
Benzo (k) fluoranthene	0.0230	0.0050	"	0.0267		86.2	69-136	13.5	30	
Benzo (a) pyrene	0.0247	0.0050	"	0.0267		92.5	66-125	7.79	30	
Benzo (g,h,i) perylene	0.0247	0.010	"	0.0267		92.5	54-139	27.9	30	
Chrysene	0.0250	0.0050	"	0.0267		93.7	81-127	0.00	30	
Dibenz (a,h) anthracene	0.0223	0.010	"	0.0267		83.7	48-149	27.1	30	
Fluoranthene	0.0247	0.0050	"	0.0267		92.5	77-114	1.34	30	
Fluorene	0.0163	0.0050	"	0.0267		61.2	38-97	5.94	30	
Indeno (1,2,3-cd) pyrene	0.0257	0.0050	"	0.0267		96.3	56-140	25.0	30	
Naphthalene	0.0150	0.010	"	0.0267		56.2	36-83	0.00	30	
Phenanthrene	0.0133	0.0050	"	0.0267		50.0	41-108	11.8	30	
Pyrene	0.0243	0.0050	"	0.0267		91.2	78-116	2.70	30	
Surrogate: p-Terphenyl-d14	0.0247		"	0.0267		92.5	0-180			

Duplicate (A407093-DUP1)

Source: 1403131-03

Prepared: 03-Jul-14 Analyzed: 07-Jul-14

Acenaphthene	ND	0.0050	mg/kg		ND				30	
Acenaphthylene	ND	0.0050	"		ND				30	
Anthracene	0.00666	0.0050	"		ND				30	
Benz(a)anthracene	0.0253	0.0050	"		0.00365			150	30	QR-03
Benzo (b) fluoranthene	0.0490	0.0050	"		0.00928			136	30	QR-03
Benzo (k) fluoranthene	ND	0.0050	"		ND				30	
Benzo (a) pyrene	0.00566	0.0050	"		ND				30	
Benzo (g,h,i) perylene	0.00733	0.010	"		ND				30	
Chrysene	0.0230	0.0050	"		ND				30	
Dibenz (a,h) anthracene	ND	0.010	"		ND				30	
Fluoranthene	0.0437	0.0050	"		0.00398			167	30	QR-03
Fluorene	ND	0.0050	"		ND				30	
Indeno (1,2,3-cd) pyrene	0.00766	0.0050	"		ND				30	
Naphthalene	ND	0.010	"		ND				30	
Phenanthrene	0.0223	0.0050	"		ND				30	
Pyrene	0.0367	0.0050	"		0.00365			164	30	QR-03
Surrogate: p-Terphenyl-d14	0.0263		"	0.0267		98.8	0-180			

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Earth Systems Pacific
4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A407093 - EPA 3550B MS

Matrix Spike (A407093-MS1)		Source: 1403131-03		Prepared: 03-Jul-14		Analyzed: 07-Jul-14				
Acenaphthene	0.0226	0.0050	mg/kg	0.0266	ND	85.0	14-104			
Acenaphthylene	0.0107	0.0050	"	0.0266	ND	40.0	11-112			
Anthracene	0.0346	0.0050	"	0.0266	ND	130	23-135			
Benz(a)anthracene	0.0985	0.0050	"	0.0266	0.00365	356	22-144			QM-05
Benzo (b) fluoranthene	0.0895	0.0050	"	0.0266	0.00928	301	18-149			QM-05
Benzo (k) fluoranthene	0.0493	0.0050	"	0.0266	ND	185	25-151			QM-05
Benzo (a) pyrene	0.0183	0.0050	"	0.0266	ND	68.7	20-150			
Benzo (g,h,i) perylene	0.0483	0.010	"	0.0266	ND	181	0-158			QM-05
Chrysene	0.0719	0.0050	"	0.0266	ND	270	20-162			QM-05
Dibenz (a,h) anthracene	0.0293	0.010	"	0.0266	ND	110	0-175			
Fluoranthene	0.120	0.0050	"	0.0266	0.00398	435	30-141			QM-05
Fluorene	0.0183	0.0050	"	0.0266	ND	68.7	17-107			
Indeno (1,2,3-cd) pyrene	0.0479	0.0050	"	0.0266	ND	180	3-161			QM-05
Naphthalene	0.0163	0.010	"	0.0266	ND	61.2	16-89			
Phenanthrene	0.0579	0.0050	"	0.0266	ND	218	20-119			QM-05
Pyrene	0.109	0.0050	"	0.0266	0.00365	394	29-142			QM-05
Surrogate: p-Terphenyl-d14	0.0280		"	0.0266		105	0-180			

Matrix Spike Dup (A407093-MSD1)		Source: 1403131-03		Prepared: 03-Jul-14		Analyzed: 07-Jul-14				
Acenaphthene	0.0146	0.0050	mg/kg	0.0266	ND	55.0	14-104	43.0	30	QR-02
Acenaphthylene	0.0219	0.0050	"	0.0266	ND	82.5	11-112	69.3	30	QR-02
Anthracene	0.0160	0.0050	"	0.0266	ND	60.0	23-135	73.8	30	QR-02
Benz(a)anthracene	0.0236	0.0050	"	0.0266	0.00365	75.0	22-144	123	30	QR-03
Benzo (b) fluoranthene	0.0289	0.0050	"	0.0266	0.00928	73.9	18-149	102	30	QR-03
Benzo (k) fluoranthene	0.0253	0.0050	"	0.0266	ND	95.0	25-151	64.4	30	QR-03
Benzo (a) pyrene	0.0246	0.0050	"	0.0266	ND	92.5	20-150	29.4	30	
Benzo (g,h,i) perylene	0.0283	0.010	"	0.0266	ND	106	0-158	52.3	30	QR-03
Chrysene	0.0283	0.0050	"	0.0266	ND	106	20-162	87.1	30	QR-03
Dibenz (a,h) anthracene	0.0266	0.010	"	0.0266	ND	100	0-175	9.62	30	
Fluoranthene	0.0269	0.0050	"	0.0266	0.00398	86.3	30-141	127	30	QR-03
Fluorene	0.0146	0.0050	"	0.0266	ND	55.0	17-107	22.3	30	
Indeno (1,2,3-cd) pyrene	0.0283	0.0050	"	0.0266	ND	106	3-161	51.6	30	QR-03
Naphthalene	0.0150	0.010	"	0.0266	ND	56.2	16-89	8.61	30	
Phenanthrene	0.0153	0.0050	"	0.0266	ND	57.5	20-119	116	30	QR-03
Pyrene	0.0289	0.0050	"	0.0266	0.00365	95.0	29-142	116	30	QR-03
Surrogate: p-Terphenyl-d14	0.0223		"	0.0266		83.7	0-180			

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4378 Old Santa Fe Rd.
San Luis Obispo CA, 93401

Project: Heritage Ridge Apts, NW Stockpile
Project Number: SL-15702-EB
Project Manager: Tim Conroy

Reported:
30-Jul-14 17:03

Notes and Definitions

- QR-04 The RPD exceeded the QC control limits.
- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS and/or LCSD recovery and/or RPD values.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- N-02 Analyte concentration below TTLC but above 10x STLC.
- HT-pH Water pH should be analyzed within 15 minutes of sampling. Soil pH should be analyzed as soon as possible.
- CCHI The CCV for this analyte failed high. Analyte result is ND. Data is not impacted.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference



Oilfield Environmental and Compliance

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phone: (661) 762-9143

Rev 062012

CHAIN OF CUSTODY

Page 1 of 2

Company: <u>Earth Systems Pacific</u>				Project Name/#: <u>Heritage Ridge Apts, NW Stackpile</u>										
Address: <u>4378 Old Santa Fe Rd</u>				Site: <u>SL-15702-EB</u>										
City/State/ZIP: <u>SLO CA 93401</u>				Analysis Requested										
Phone: <u>544-3276</u> Fax: <u>544-1786</u> E-mail:				<table border="1"> <tr> <td>TPH - GPO</td> <td>TPH - DPO + Water Oil</td> <td>TPH - GPO + VOCs</td> <td>PAH - 8270 SIM</td> <td>CAH Metals</td> <td>pH - EPA ISO-1</td> <td>Salinity SM 25-208</td> </tr> </table>				TPH - GPO	TPH - DPO + Water Oil	TPH - GPO + VOCs	PAH - 8270 SIM	CAH Metals	pH - EPA ISO-1	Salinity SM 25-208
TPH - GPO	TPH - DPO + Water Oil	TPH - GPO + VOCs	PAH - 8270 SIM					CAH Metals	pH - EPA ISO-1	Salinity SM 25-208				
Report To: <u>Tim Conway</u> Sampler: <u>Tim Conway</u>														
Send report via FAX- <input type="checkbox"/> PDF- <input checked="" type="checkbox"/> Geotracker EDF- <input type="checkbox"/> EDD- <input type="checkbox"/>				Special Instructions:										
Turnaround Time 10 Days- <input type="checkbox"/> 5 Days- <input checked="" type="checkbox"/> 72 hr- <input type="checkbox"/> 48 hr- <input type="checkbox"/> 24 hr- <input type="checkbox"/> ASAP- <input type="checkbox"/>														
OEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Cont.	Client Sample ID	TPH - GPO	TPH - DPO + Water Oil	TPH - GPO + VOCs	PAH - 8270 SIM	CAH Metals	pH - EPA ISO-1	Salinity SM 25-208			
1403129-1A	7-1-14	SL	1	SP-1 @ 3-5'										
2A			1	SP-1 @ 10-10.5'		X	X	X	X					
3A			1	SP-1 @ 10-11'						X	X			
4A			1	SP-1 @ 15-15.5'	X	X								
5A			1	SP-2 @ 5-8'						X	X			
6A			1	SP-2 @ 15-15.5'		X	X	X	X					
7A			1	SP-2 @ 20-20.5'	X	X								
8A			1	SP-2 @ 20-21'						X	X			
9A			1	SP-3 @ 8-10'						X	X			
10A			1	SP-3 @ 13-15'						X	X			
11A			1	SP-3 @ 15-15.5'	X	X								
12A	↓	↓	1	SP-3 @ 20-20.5'	X	X								
Relinquished By: <u>[Signature]</u> Date: <u>7/2/14</u> Time: <u>1250</u>				** Matrix Key A = vapor / air S = solid / sediment P = product / oil HW = haz waste (Liq.) WATER Types: DW = drinking GW = ground PW = produced SW = surface WW = waste										
Received By: <u>[Signature]</u> Date: <u>7/2/14</u> Time: <u>1406</u>														
Relinquished By: <u>[Signature]</u> Date: <u>7/2/14</u> Time: <u>1509</u>														
Received By: <u>[Signature]</u> Date: <u>7-2-14</u> Time: <u>1509</u>														
Relinquished By: _____ Date: _____ Time: _____				Comments/PO#:										
Received By: _____ Date: _____ Time: _____														



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CHAIN OF CUSTODY

Page 2 of 2

Company: <u>Earth Systems Pacific</u>				Project Name/#: <u>Heritage Ridge Apts, NW Stockpile</u>										
Address:				Site: <u>SL-15702-EB</u>										
City/State/ZIP:				Analysis Requested										
Phone: <u>544-3276</u> Fax: _____ E-mail: _____				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">TPH-6RD</td> <td style="width: 10%; text-align: center;">TPH-DAP + Hexar Oil</td> <td style="width: 10%; text-align: center;">TPH-GRD + VOCs</td> <td style="width: 10%; text-align: center;">PAH-82D SIM</td> <td style="width: 10%; text-align: center;">CALM METALS</td> <td style="width: 10%; text-align: center;">PBT-EPA 150.1</td> <td style="width: 10%; text-align: center;">Specific Gravity 0.4-25.208</td> </tr> </table>				TPH-6RD	TPH-DAP + Hexar Oil	TPH-GRD + VOCs	PAH-82D SIM	CALM METALS	PBT-EPA 150.1	Specific Gravity 0.4-25.208
TPH-6RD	TPH-DAP + Hexar Oil	TPH-GRD + VOCs	PAH-82D SIM					CALM METALS	PBT-EPA 150.1	Specific Gravity 0.4-25.208				
Report To: <u>Tim Courdy</u> Sampler: <u>Tim Courdy</u>														
Send report via- FAX- <input type="checkbox"/> PDF- <input checked="" type="checkbox"/> Geotracker EDF- <input type="checkbox"/> EDD- <input type="checkbox"/>														
Turnaround Time 10 Days- <input type="checkbox"/> 5 Days- <input checked="" type="checkbox"/> 72 hr- <input type="checkbox"/> 48 hr- <input type="checkbox"/> 24 hr- <input type="checkbox"/> ASAP- <input type="checkbox"/>														
Special Instructions:														
DEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Conf.	Client Sample ID										
1403108-12A	<u>7-1-14</u>	<u>SL</u>	<u>1</u>	<u>SP-4 @ 7-10'</u>										
14A			<u>1</u>	<u>SP-4 @ 15-15.5'</u>										
5A			<u>1</u>	<u>SP-4 @ 15-16'</u>										
16A			<u>1</u>	<u>SP-4 @ 20-20.5'</u>										
17A			<u>1</u>	<u>SP-5 @ 1-4'</u>										
18A			<u>1</u>	<u>SP-5 @ 15-15.5'</u>										
19A			<u>1</u>	<u>SP-5 @ 16-18'</u>										
20A			<u>1</u>	<u>SP-5 @ 20-21'</u>										
21A			<u>1</u>	<u>SP-6 @ 5-7'</u>										
22A			<u>1</u>	<u>SP-6 @ 15-15.5'</u>										
23A			<u>1</u>	<u>SP-6 @ 15-16'</u>										
24A			<u>1</u>	<u>SP-6 @ 20-20.5'</u>										
Relinquished By: <u>[Signature]</u> Date: <u>7/2/14</u> Time: <u>1250</u>				** Matrix Key A = vapor / air S = solid / sediment P = product / oil HW = haz waste (Liq.) WATER Types: DW = drinking GW = ground PW = produced SW = surface WW = waste										
Received By: <u>[Signature]</u> Date: <u>7/2/14</u> Time: <u>1406</u>														
Relinquished By: <u>[Signature]</u> Date: <u>7/2/14</u> Time: <u>1509</u>														
Received By: <u>[Signature]</u> Date: <u>7-2-14</u> Time: <u>1509</u>														
Relinquished By: _____ Date: _____ Time: _____				Comments/PO#:										
Received By: _____ Date: _____ Time: _____														



SAMPLE RECEIPT

Rev. 01/15/10

CLIENT: Earth Systems

OEC ID #: 1403128

Temp: 3.4 °C

Acceptable Range: 0°C to 6°C

COC RECEIVED

DATE/TIME: 7-2-14 01509

RECEIPT LOGIN

DATE/TIME: 7-2-14 1552

REFRIGERATOR(s): 8

SAMPLE TRANSPORT, RECEIPT, CONDITION & PRESERVATION:

	Yes	No	N/A
<input checked="" type="checkbox"/> OEC Courier/Sampler	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Delivery (Other than OEC Courier)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Samples Received on Ice	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Samples Received Outside Temp. Range*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Samples Direct from field (Outside Temp)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> After-Hours Outside Drop-off [Brought Inside]	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(Initials/Date/Time):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

COC document(s) received with samples
 Correct containers for analysis requested
 Container(s) intact and in good condition
 Container label(s) consistent with COC
 OEC preservative added (**note std ID)
 Proper preservation on sample label(s)
 VOA containers free of headspace
 Tedlar Bags free of condensation

(*) PROBLEM CHAIN FORM NEEDED

Custody Seals (circle): Present / Absent
 Samples / Coolers Intact / Broken*
 Method of Shipment & Tracking # (if applicable):
 (***) OEC Preservative ID:
 Dissolved Metals Filtration: (Date/In/Preserve ID)

CONTAINERS, COC CHANGES AND/OR CORRECTIONS

CHANGES AUTHORIZED BY:

OEC ID	Client ID ***If blank, refer to CoC	Container Description	Preservative	ResCl / pH	Matrix	Date/Time Sampled ***	Comments / Remarks / Condition Notes, Etc.
1, 5, 9, 10, 13A		1-1L Poly EA			S		
17, 19, 21A		↓			↓		
2, 4, 6, 7, 12, 14A, 11A		1-TUBE EA			↓		
16, 18, 20, 22, 24A		↓			↓		
3, 8, 15, 23A		1-802 GLASS EA			↓		
1-24B		1-20ML VOA EA			S		

RECEIPT LOGIN BY: EAH

RECEIPT REVIEWED BY: [Signature]



Oilfield Environmental and Compliance

307 Roemer Way, Santa Maria CA 93454
phone: (805) 922-4772 fax: (805) 925-3376

www.oecusa.com

Rev 082012

101 Adkisson Way, Taft, CA 93268

phone: (661) 762-9143

CHAIN OF CUSTODY

Page 1 of 2

Company: <u>Earth Systems Pacific</u>				Project Name/ID: <u>Heritage Ridge Apts, NW Stockpile</u>																															
Address: <u>4378 Old Santa Fe Rd</u>				Site: <u>SL-15702-EB</u>																															
City/State/ZIP: <u>SLO CA 93401</u>				Analysis Requested																															
Phone: <u>544-3276</u> Fax: <u>544-1786</u> E-mail:				Special Instructions:																															
Report To: <u>Tim Courroy</u> Sampler: <u>Tim Courroy</u>				<table border="1"> <tr> <td>TPH - GPO</td> <td>TPH - DKO + Water Oil</td> <td>TPH - GPO + VOCs</td> <td>PAH - 8270 SIM</td> <td>CAM Metals</td> <td>pH + EPA SD-1</td> <td>Salinity SIM 2520B</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				TPH - GPO	TPH - DKO + Water Oil	TPH - GPO + VOCs	PAH - 8270 SIM	CAM Metals	pH + EPA SD-1	Salinity SIM 2520B																					
TPH - GPO	TPH - DKO + Water Oil	TPH - GPO + VOCs	PAH - 8270 SIM					CAM Metals	pH + EPA SD-1	Salinity SIM 2520B																									
Send report via- FAX- <input type="checkbox"/> PDF- <input checked="" type="checkbox"/> Geotracker EDF- <input type="checkbox"/> EDD- <input type="checkbox"/>																																			
Turnaround Time 10 Days- <input type="checkbox"/> 5 Days- <input checked="" type="checkbox"/> 72 hr- <input type="checkbox"/> 48 hr- <input type="checkbox"/> 24 hr- <input type="checkbox"/> ASAP- <input type="checkbox"/>																																			
OEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Cont.	Client Sample ID	TPH - GPO	TPH - DKO + Water Oil	TPH - GPO + VOCs	PAH - 8270 SIM	CAM Metals	pH + EPA SD-1	Salinity SIM 2520B																								
1403129-1A	7-1-14	SL	1	SP-1 @ 3-5'						X	X																								
2A			1	SP-1 @ 10-10.5'						X	X																								
3A			1	SP-1 @ 10-11'						X	X																								
4A			1	SP-1 @ 15-15.5'	X	X				X	X																								
5A			1	SP-2 @ 5-8'						X	X																								
6A			1	SP-2 @ 15-15.5'		X	X	X	X																										
7A			1	SP-2 @ 20-20.5'	X	X																													
8A			1	SP-2 @ 20-21'						X	X																								
9A			1	SP-3 @ 8-10'						X	X																								
10A			1	SP-3 @ 13-15'						X	X																								
11A			1	SP-3 @ 15-15.5'	X	X																													
12A			1	SP-3 @ 20-20.5'	X	X																													

Relinquished By: <u>[Signature]</u>	Date: <u>7/2/14</u>	Time: <u>1250</u>
Received By: <u>[Signature]</u>	Date: <u>9/2/14</u>	Time: <u>1406</u>
Relinquished By: <u>[Signature]</u>	Date: <u>9/2/14</u>	Time: <u>1509</u>
Received By: <u>[Signature]</u>	Date: <u>7-2-14</u>	Time: <u>1509</u>
Relinquished By:	Date:	Time:
Received By:	Date:	Time:

** Matrix Key
A = vapor / air
S = solid / sediment
P = product / oil
HW = haz waste (Liq)
WATER Types:
DW = drinking
GW = ground
PW = produced
SW = surface
WW = waste

Comments/PO#:



Oilfield Environmental and Compliance

307 Roemer Way, Santa Maria CA 93454

phone: (805) 922-4772 fax: (805) 925-3376

www.oecusa.com

101 Adkisson Way, Taft, CA 93268

phone: (661) 762-9143

Rev 062012

CHAIN OF CUSTODY

Page 2 of 2

Company: <u>Earth Systems Pacific</u>				Project Name/#: <u>Heritage Ridge Apts, NW Stockpile</u>																			
Address:				Site: <u>SL-15702-EB</u>																			
City/State/ZIP:				Analysis Requested																			
Phone: <u>544-3276</u> Fax: E-mail:				<table border="1"> <tr> <td>TPH-GRD</td> <td>TPH-DAG + Motor Oil</td> <td>TPH-GRD + VOLS</td> <td>PAH-8770 SIM</td> <td>CAH metals</td> <td>pH-EPA ISO-1</td> <td>Specific Gravity 25°C</td> <td>STC or</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				TPH-GRD	TPH-DAG + Motor Oil	TPH-GRD + VOLS	PAH-8770 SIM	CAH metals	pH-EPA ISO-1	Specific Gravity 25°C	STC or								
TPH-GRD	TPH-DAG + Motor Oil	TPH-GRD + VOLS	PAH-8770 SIM					CAH metals	pH-EPA ISO-1	Specific Gravity 25°C	STC or												
Report To: <u>Tim Courdy</u> Sampler: <u>Tim Courdy</u>								Special Instructions: <u>Ⓢ add on 7/18/14 per client Ⓢ</u>															
Send report via- FAX- <input type="checkbox"/> PDF- <input checked="" type="checkbox"/> Geotracker EDF- <input type="checkbox"/> EDD- <input type="checkbox"/>																							
Turnaround Time 10 Days- <input type="checkbox"/> 5 Days- <input checked="" type="checkbox"/> 72 hr- <input type="checkbox"/> 48 hr- <input type="checkbox"/> 24 hr- <input type="checkbox"/> ASAP- <input type="checkbox"/>																							
OEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Cont.	Client Sample ID																			
<u>1402828-13A</u>	<u>7-1-14</u>	<u>SL</u>	<u>1</u>	<u>SP-4 @ 7-10'</u>																			
<u>17A</u>			<u>1</u>	<u>SP-4 @ 15-15.5'</u>																			
<u>15A</u>			<u>1</u>	<u>SP-4 @ 15-16'</u>																			
<u>16A</u>			<u>1</u>	<u>SP-4 @ 20-20.5'</u>																			
<u>17A</u>			<u>1</u>	<u>SP-5 @ 1-4'</u>																			
<u>18A</u>			<u>1</u>	<u>SP-5 @ 15-15.5'</u>																			
<u>19A</u>			<u>1</u>	<u>SP-5 @ 16-18'</u>																			
<u>20A</u>			<u>1</u>	<u>SP-5 @ 20-21'</u>																			
<u>21A</u>			<u>1</u>	<u>SP-6 @ 5-7'</u>																			
<u>22A</u>			<u>1</u>	<u>SP-6 @ 15-15.5'</u>																			
<u>23A</u>			<u>1</u>	<u>SP-6 @ 15-16'</u>																			
<u>24A</u>			<u>1</u>	<u>SP-6 @ 20-20.5'</u>																			

Relinquished By: <u>[Signature]</u>	Date: <u>7/2/14</u> Time: <u>1250</u>	** Matrix Key A = vapor / air S = solid / sediment P = product / oil HW = haz waste (Liq) WATER Types: DW = drinking GW = ground PW = produced SW = surface WW = waste
Received By: <u>[Signature]</u>	Date: <u>7/2/14</u> Time: <u>1406</u>	
Relinquished By: <u>[Signature]</u>	Date: <u>7/2/14</u> Time: <u>1509</u>	
Received By: <u>[Signature]</u>	Date: <u>7-2-14</u> Time: <u>1509</u>	
Relinquished By:	Date: Time:	
Received By:	Date: Time:	

Comments/PO#:

Ⓢ



July 14, 2014
Earth Systems Pacific
4378 Santa Fe Road
San Luis Obispo, CA 93401

Lab ID : CC 1482318-001
Customer ID : 8-451
Sampled On : July 1, 2014
Sampled By : Tim Conroy
Received On : July 2, 2014
Depth : N/A

Description : SP-1 @ 3-5'
Project : Heritage Ridge Apts Stockpile

GENERAL SOIL ANALYSIS

Table with 4 main columns: Test Description, Result, Units, Optimum Range, and Graphical Results Presentation (Satisfactory, Possible Problem, Moderate Problem, Increasing Problem). Row 1: Others. Row 2: Limestone, 0.2, %, 0.0 - 0.50.

Good [color scale] Problem [color scale] Indicates physical conditions and/or phenological and amendment requirements.

Soil pH & Limestone levels are important to consider when making plant selections. Soil pH levels above 7.0 are not suitable for acid loving plants. Soils containing limestone are not suitable for plants sensitive to Limestone.

FRUIT GROWERS LABORATORY, INC.

Scott Bucy (handwritten signature)

Scott Bucy, Director of Ag. Services

SB1:SVH





July 14, 2014
Earth Systems Pacific
 4378 Santa Fe Road
 San Luis Obispo, CA 93401

Lab ID : CC 1482318-002
 Customer ID : 8-451
 Sampled On : July 1, 2014
 Sampled By : Tim Conroy
 Received On : July 2, 2014
 Depth : N/A

Description : SP-1 @ 10-11'
 Project : Heritage Ridge Apts Stockpile

GENERAL SOIL ANALYSIS

Test Description	Result	Units	Optimum Range	Graphical Results Presentation			
				Satisfactory	Possible Problem	Moderate Problem	Increasing Problem
Others							
Limestone	0.3	%	0.0 - 0.50				

Good Problem Indicates physical conditions and/or phenological and amendment requirements.

Soil pH & Limestone levels are important to consider when making plant selections. Soil pH levels above 7.0 are not suitable for acid loving plants. Soils containing limestone are not suitable for plants sensitive to Limestone.

FRUIT GROWERS LABORATORY, INC.

Scott Bucy

Scott Bucy, Director of Ag. Services

SB1:SVH






July 14, 2014
Earth Systems Pacific
 4378 Santa Fe Road
 San Luis Obispo, CA 93401

Lab ID : CC 1482318-003
 Customer ID : 8-451
 Sampled On : July 1, 2014
 Sampled By : Tim Conroy
 Received On : July 2, 2014
 Depth : N/A

Description : SP-2 @ 5-8'
 Project : Heritage Ridge Apts Stockpile

GENERAL SOIL ANALYSIS

Test Description	Result	Units	Optimum Range	Graphical Results Presentation			
				Satisfactory	Possible Problem	Moderate Problem	Increasing Problem
Others							
Limestone	0.1	%	0.0 - 0.50				

Good  Problem  Indicates physical conditions and/or phenological and amendment requirements.

Soil pH & Limestone levels are important to consider when making plant selections. Soil pH levels above 7.0 are not suitable for acid loving plants. Soils containing limestone are not suitable for plants sensitive to Limestone.

FRUIT GROWERS LABORATORY, INC.

Scott Bucy

Scott Bucy, Director of Ag. Services

SB1:SVH





July 14, 2014
Earth Systems Pacific
 4378 Santa Fe Road
 San Luis Obispo, CA 93401

Lab ID : CC 1482318-004
 Customer ID : 8-451
 Sampled On : July 1, 2014
 Sampled By : Tim Conroy
 Received On : July 2, 2014
 Depth : N/A

Description : SP-2 @ 20-21'
 Project : Heritage Ridge Apts Stockpile

GENERAL SOIL ANALYSIS

Test Description	Result	Units	Optimum Range	Graphical Results Presentation			
				Satisfactory	Possible Problem	Moderate Problem	Increasing Problem
Others							
Limestone	< 0.10	%	0.0 - 0.50				

Good Problem Indicates physical conditions and/or phenological and amendment requirements.

Soil pH & Limestone levels are important to consider when making plant selections. Soil pH levels above 7.0 are not suitable for acid loving plants. Soils containing limestone are not suitable for plants sensitive to Limestone.

FRUIT GROWERS LABORATORY, INC.

Scott Bucy

Scott Bucy, Director of Ag. Services

SB1:SVH





July 14, 2014
Earth Systems Pacific
 4378 Santa Fe Road
 San Luis Obispo, CA 93401

Lab ID : CC 1482318-005
 Customer ID : 8-451
 Sampled On : July 1, 2014
 Sampled By : Tim Conroy
 Received On : July 2, 2014
 Depth : N/A

Description : SP-3 @ 8-10'
 Project : Heritage Ridge Apts Stockpile

GENERAL SOIL ANALYSIS

Test Description	Result	Units	Optimum Range	Graphical Results Presentation			
				Satisfactory	Possible Problem	Moderate Problem	Increasing Problem
Others							
Limestone	< 0.10	%	0.0 - 0.50				

Good Problem Indicates physical conditions and/or phenological and amendment requirements.

Soil pH & Limestone levels are important to consider when making plant selections. Soil pH levels above 7.0 are not suitable for acid loving plants. Soils containing limestone are not suitable for plants sensitive to Limestone.

FRUIT GROWERS LABORATORY, INC.

Scott Bucy

Scott Bucy, Director of Ag. Services

SB1:SVH





July 14, 2014
Earth Systems Pacific
 4378 Santa Fe Road
 San Luis Obispo, CA 93401

Lab ID : CC 1482318-006
 Customer ID : 8-451
 Sampled On : July 1, 2014
 Sampled By : Tim Conroy
 Received On : July 2, 2014
 Depth : N/A

Description : SP-3 @ 13-15'
 Project : Heritage Ridge Apts Stockpile

GENERAL SOIL ANALYSIS

Test Description	Result	Units	Optimum Range	Graphical Results Presentation			
				Satisfactory	Possible Problem	Moderate Problem	Increasing Problem
Others							
Limestone	0.2	%	0.0 - 0.50				

Good  Problem  Indicates physical conditions and/or phenological and amendment requirements.

Soil pH & Limestone levels are important to consider when making plant selections. Soil pH levels above 7.0 are not suitable for acid loving plants. Soils containing limestone are not suitable for plants sensitive to Limestone.

FRUIT GROWERS LABORATORY, INC.

Scott Bucy

Scott Bucy, Director of Ag. Services

SB1:SVH






July 14, 2014
Earth Systems Pacific
 4378 Santa Fe Road
 San Luis Obispo, CA 93401

Lab ID : CC 1482318-007
 Customer ID : 8-451
 Sampled On : July 1, 2014
 Sampled By : Tim Conroy
 Received On : July 2, 2014
 Depth : N/A

Description : SP-4 @ 7-10'
 Project : Heritage Ridge Apts Stockpile

GENERAL SOIL ANALYSIS

Test Description	Result	Units	Optimum Range	Graphical Results Presentation			
				Satisfactory	Possible Problem	Moderate Problem	Increasing Problem
Others							
Limestone	< 0.10	%	0.0 - 0.50				

Good  Problem  Indicates physical conditions and/or phenological and amendment requirements.

Soil pH & Limestone levels are important to consider when making plant selections. Soil pH levels above 7.0 are not suitable for acid loving plants. Soils containing limestone are not suitable for plants sensitive to Limestone.

FRUIT GROWERS LABORATORY, INC.

Scott Bucy

Scott Bucy, Director of Ag. Services

SB1:SVH





July 14, 2014
Earth Systems Pacific
 4378 Santa Fe Road
 San Luis Obispo, CA 93401

Lab ID : CC 1482318-008
 Customer ID : 8-451
 Sampled On : July 1, 2014
 Sampled By : Tim Conroy
 Received On : July 2, 2014
 Depth : N/A

Description : SP-4 @ 15-16'
 Project : Heritage Ridge Apts Stockpile

GENERAL SOIL ANALYSIS

Test Description	Result	Units	Optimum Range	Graphical Results Presentation			
				Satisfactory	Possible Problem	Moderate Problem	Increasing Problem
Others							
Limestone	0.3	%	0.0 - 0.50				

Good  Problem  Indicates physical conditions and/or phenological and amendment requirements.

Soil pH & Limestone levels are important to consider when making plant selections. Soil pH levels above 7.0 are not suitable for acid loving plants. Soils containing limestone are not suitable for plants sensitive to Limestone.

FRUIT GROWERS LABORATORY, INC.

Scott Bucy

Scott Bucy, Director of Ag. Services

SB1:SVH





July 14, 2014
Earth Systems Pacific
 4378 Santa Fe Road
 San Luis Obispo, CA 93401

Lab ID : CC 1482318-009
 Customer ID : 8-451
 Sampled On : July 1, 2014
 Sampled By : Tim Conroy
 Received On : July 2, 2014
 Depth : N/A

Description : SP-5 @ 1-4'
 Project : Heritage Ridge Apts Stockpile

GENERAL SOIL ANALYSIS

Test Description	Result	Units	Optimum Range	Graphical Results Presentation			
				Satisfactory	Possible Problem	Moderate Problem	Increasing Problem
Others							
Limestone	0.5	%	0.0 - 0.50				

Good Problem Indicates physical conditions and/or phenological and amendment requirements.

Soil pH & Limestone levels are important to consider when making plant selections. Soil pH levels above 7.0 are not suitable for acid loving plants. Soils containing limestone are not suitable for plants sensitive to Limestone.

FRUIT GROWERS LABORATORY, INC.

Scott Bucy

Scott Bucy, Director of Ag. Services

SB1:SVH





July 14, 2014
Earth Systems Pacific
 4378 Santa Fe Road
 San Luis Obispo, CA 93401

Lab ID : CC 1482318-010
 Customer ID : 8-451
 Sampled On : July 1, 2014
 Sampled By : Tim Conroy
 Received On : July 2, 2014
 Depth : N/A

Description : SP-5 @ 16-18'
 Project : Heritage Ridge Apts Stockpile

GENERAL SOIL ANALYSIS

Test Description	Result	Units	Optimum Range	Graphical Results Presentation			
				Satisfactory	Possible Problem	Moderate Problem	Increasing Problem
Others							
Limestone	0.6	%	0.0 - 0.50				

Good  Problem  Indicates physical conditions and/or phenological and amendment requirements.

Soil pH & Limestone levels are important to consider when making plant selections. Soil pH levels above 7.0 are not suitable for acid loving plants. Soils containing limestone are not suitable for plants sensitive to Limestone.

FRUIT GROWERS LABORATORY, INC.

Scott Bucy

Scott Bucy, Director of Ag. Services

SB1:SVH





July 14, 2014
Earth Systems Pacific
 4378 Santa Fe Road
 San Luis Obispo, CA 93401

Lab ID : CC 1482318-011
 Customer ID : 8-451
 Sampled On : July 1, 2014
 Sampled By : Tim Conroy
 Received On : July 2, 2014
 Depth : N/A

Description : SP-6 @ 5-7'
 Project : Heritage Ridge Apts Stockpile

GENERAL SOIL ANALYSIS

Test Description	Result	Units	Optimum Range	Graphical Results Presentation			
				Satisfactory	Possible Problem	Moderate Problem	Increasing Problem
Others							
Limestone	0.3	%	0.0 - 0.50				

Good Problem Indicates physical conditions and/or phenological and amendment requirements.

Soil pH & Limestone levels are important to consider when making plant selections. Soil pH levels above 7.0 are not suitable for acid loving plants. Soils containing limestone are not suitable for plants sensitive to Limestone.

FRUIT GROWERS LABORATORY, INC.

Scott Bucy

Scott Bucy, Director of Ag. Services

SB1:SVH





July 14, 2014
Earth Systems Pacific
 4378 Santa Fe Road
 San Luis Obispo, CA 93401

Lab ID : CC 1482318-012
 Customer ID : 8-451
 Sampled On : July 1, 2014
 Sampled By : Tim Conroy
 Received On : July 2, 2014
 Depth : N/A

Description : SP-6 @ 15-16'
 Project : Heritage Ridge Apts Stockpile

GENERAL SOIL ANALYSIS

Test Description	Result	Units	Optimum Range	Graphical Results Presentation			
				Satisfactory	Possible Problem	Moderate Problem	Increasing Problem
Others							
Limestone	0.8	%	0.0 - 0.50				

Good Problem Indicates physical conditions and/or phenological and amendment requirements.

Soil pH & Limestone levels are important to consider when making plant selections. Soil pH levels above 7.0 are not suitable for acid loving plants. Soils containing limestone are not suitable for plants sensitive to Limestone.

FRUIT GROWERS LABORATORY, INC.

Scott Bucy

Scott Bucy, Director of Ag. Services

SB1:SVH



CLIENT DETAILS SECTION I

Client: Earth Systems Pacific
 New Customer Customer Number: 8-451
 Address: 4378 Old Santa Fe Rd
SLO CA 93401
 Phone: 805-544-8276 FAX: _____
 E-Mail: TCowdy@earthsys.com
 Project name: Heritage Ridge Apts Stockpile
 Contact person: Tim Cowdy
 Billing Information (if different from above)
 Name: _____ (8-451) _____
 Address: Earth Systems Pacific _____
 Phone: _____
 E-Mail: _____
 Contact: _____
 Purchase: _____
 Pre Log Required: yes _____ Frequency: Monthly Weekly Quarterly

SAMPLING SECTION II

Sampler(s): Tim Cowdy
 Comp Sampler Set up Date: _____ Time: _____
 Time: _____ Mileage: _____
 Shipping Charge: _____ Pickup Charge: _____

REPORT INFORMATION SECTION III

Rush Analysis (surcharge will apply):
 5 Day 4 Day 3 Day
 2 Day 24 hour
 Rush pre-approval by lab: _____
 Electronic Data Transfer: yes _____ no _____
 If yes, For: State _____ Client _____ Other _____
 Lab number: CC1482318

SAMPLE INFORMATION SECTION IV

Sample Number	Location/Description	Date Sampled	Time Sampled
1	SP-1 @ 9-5'	7-1-14	
2	SP-1 @ 10-11'		
3	SP-2 @ 5-8'		
4	SP-2 @ 20-21'		
5	SP-3 @ 8-10'		
6	SP-3 @ 13-15'		
7	SP-4 @ 7-10'		
8	SP-4 @ 15-16'		

Type of Sampling: Composite(C) Grab(G)	Number of Containers	Type of Containers: (G) Glass (P) Plastic (V) VOA (MT) Metal Tube	(P) Potable (NP) Non-Potable	(SW) Surface Water	(MW) Monitoring Well	(TB) Travel Blank (AgW) Ag Water	(GW) Ground Water	(DW) Drinking Water	(S) Soil (SLG) Sludge (SLD) Solid (O) Oil	Bact: (Sys) System (SRG) Source (W) Waste	Bact: Routine (ROUT) Repeat (RPT) Other (OTH) Replace (RPL)	(LT) Leaf Tissue (PET) Petiole Tissue (PRD) Produce	Preservative: (1) NaOH + ZnAc, (2) NaOH, (3) HCl, (4) H2SO4, (5) HNO3, (6) Na2S2O3, (7) Other	ANALYSES REQUESTED
														Limestone (CaCO ₃ equiv)

REMARKS SECTION V

PAGE 1/2

CUSTODY SECTION VI

Relinquished by: Tim Cowdy Date: 7-2-14 Time: 1317
 Received by: Paul Date: _____ Time: _____
 Relinquished by: Paul Date: _____ Time: _____
 Received by: Cowdy Date: _____ Time: _____

CORPORATE OFFICE & LABORATORY
 851 Congress Street
 Santa Paula, CA 91351
 Tel: (805) 752-2000
 Fax: (805) 525-3172

OFFICE & LABORATORY
 2300 Sycamore Road
 Stockton, CA 95215
 Tel: (209) 943-0182
 Fax: (209) 943-0423

OFFICE & LABORATORY
 563 E. Lindo Avenue
 Chico, CA 95926
 Tel: (530) 843-5840
 Fax: (530) 844-3887

FIELD OFFICE
 Visalia, CA 93291
 Tel: (559) 734-9471
 Mobile: (559) 737-2991
 Fax: (559) 734-0157



ENVIRONMENTAL

www.fglinc.com

CHAIN OF CUSTODY AND ANALYSIS REQUEST DOCUMENT

ORIGINAL

CLIENT DETAILS SECTION I

Client: Earth Systems Pacific
 New Customer Customer Number: 8-451
 Address: 4378 Old Santa Fe Rd
SLO CA 93401
 Phone: 544-3276 FAX: _____
 E-Mail: _____
 Project name: Heritage Ridge Apts Stockpile
 Contact person: Tim Conway
 Billing Information (if different from above)
 Name: _____
 Address: _____
 Phone: _____ FAX: _____
 E-Mail: _____
 Contact person: _____
 Purchase order/contract/FGL quote number: _____
 Pre Log Required: yes _____ Frequency: Monthly Weekly Quarterly
 Other: 1-time

SAMPLING SECTION II

Sampler(s): Tim Conway
 Contig Sampler Set up Date: _____ Time: _____
 Time: _____ Mileage: _____
 Shipping Charge: _____ Pickup Charge: _____

REPORT INFORMATION SECTION III

Rush Analysis (surcharge will apply):
 5 Day 4 Day 3 Day
 2 Day 24 hour
 Rush pre-approval by lab: _____
 Electronic Data Transfer: yes _____ no _____
 If yes, To: State _____ Client _____ Other _____
 Lab number: CC452015

Sample Number	Location/Description	Date Sampled	Time Sampled	Type of Sampling: Composite (C) Grab (G)	Number of Containers	Type of Containers: (G) Glass (P) Plastic (V) VOA (MT) Metal Tube	(P) Potable (NP) Non-Potable	(SW) Surface Water (MW) Monitoring Well	(GW) Ground Water (TB) Travel Blank (AgW) Ag Water	(WW) Wastewater (DW) Drinking Water	(S) Soil (SLG) Sludge (SLD) Solid (O) Oil	BaseT: (SYS) System (SRC) Source (W) Waste	BaseT: Routine (ROUT) Repeat (RPT) Other (OTH) Replace (RPL)	(LT) Leaf Tissue (PET) Petiole Tissue (PRD) Produce	Preservative: (1) NaOH + ZnAc. (2) NaOH. (3) HCl. (4) H2SO4. (5) HNO3. (6) Na2S2O3. (7) Other.	ANALYSES REQUESTED
9	SP-5 @ 1-4'	7-1-14	/	G 1 P												X
10	SP-5 @ 16-18'		/	G 1 P												X
11	SP-6 @ 5'-7'		/	G 1 P												X
12	SP-6 @ 15-16'		/	G 1 P												X

Limestone (CaCO3 equiv)

REMARKS SECTION V

PAGE 2/2

CUSTODY SECTION VI

Transported by and subject to the terms and conditions on the reverse of this document:

Received by: [Signature] Date: 7-2-14 Time: 1317
 Relinquished by: [Signature] Date: 7/31/14 Time: 1100
 Received by: [Signature] Date: _____ Time: _____
 Relinquished by: [Signature] Date: _____ Time: _____
 Received by: [Signature] Date: _____ Time: _____

CORPORATE OFFICE & LABORATORY
 851 Corporation Street
 Santa Paula, CA 91066
 Tel: (805) 992-3000
 Fax: (805) 825-4172

OFFICE & LABORATORY
 2500 Stagecoach Road
 Stockton, CA 95215
 Tel: (209) 942-0182
 Fax: (209) 943-0123

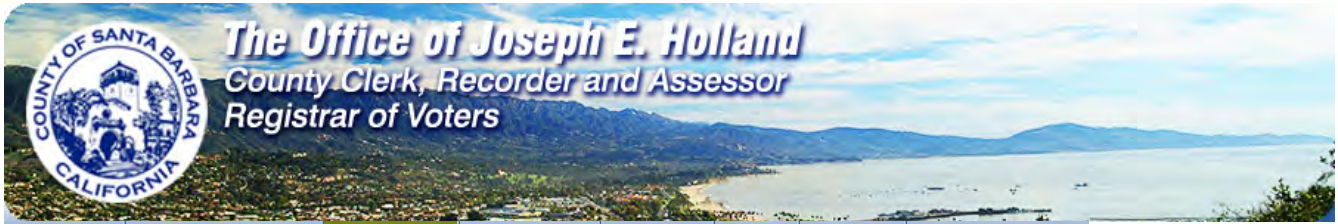
OFFICE & LABORATORY
 501 E. Linda Avenue
 Clovis, CA 99326
 Tel: (559) 343-5818
 Fax: (559) 343-3817

FIELD OFFICE
 Visalia, California
 Tel: (559) 734-9473
 Mobile: (559) 737-2399
 Fax: (559) 734-9435

**APPENDIX H
CHAIN OF TITLE /
ENVIRONMENTAL LIENS**

Not provided

APPENDIX I
CORRESPONDENCE



- Home
- Clerk-Recorder
- Assessor
- Elections
- Forms
- Data
- About
- Contact Us

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Text size: [A](#) [A](#) [A](#)

[Assessor](#) > [Parcel Map Secured Property Look Up](#) > [Parcel Map Search Result](#) > [Details](#)

[Latest News](#)

Assessor Parcel Information Details

Property Information

Parcel Number:	073-060-031	Value Notice
Address:	, CA	
Transfer Date:	04/27/1999	
TRA:	008013	
Document #:		
Transfer Tax Amount:	\$4,400.00	

Property Characteristics

Use Description:	No Description Available
Jurisdiction:	City of Goleta
Acreage:	1.16
Square Feet:	
Year Built:	
Bedrooms:	
Bathrooms:	
Fireplaces:	

[Assessor Parcel Map](#)

2014 Assessed Values

Land & Mineral Rights:	\$312,040
Improvements:	\$0
Personal Property:	\$0
Home Owner Exemption:	(\$0)
Other Exemption:	(\$0)
Net Assessed Value:	\$312,040

Districts that Serve Property

General	http://www.countyofsb.org
City of Goleta -Property Tax	http://www.cityofgoleta.org
Fire Protection Dist	http://www.sbcfire.com
Flood Ctrl/Wtr Cons Dst Mt	http://www.countyofsb.org/pwd
So Coast Flood Zone 2	
Water Agency	http://www.countyofsb.org/pwd/pwwater.aspx
Goleta Cemetery District	http://www.goletacemetery.com
Santa Barbara MTD	http://www.sbmtd.gov
Mosquito & Vector Mgt District	http://www.sbcvcd.org
Cachuma Resource Cons Dist	http://www.sbsd.org/local/crcd
Gol West Sanitary Dist-Running	http://www.goletawest.com

Goleta Water District	http://www.goletawater.com
Goleta Union Sch Dist-Gen	http://www.goleta.k12.ca.us
SBHS District-General	http://www.sbsdk12.org
SBCC Dist-Gen	http://www.sbcc.edu
County School Service	http://www.sbceo.k12.ca.us
Education Revenue Augmentation	http://www.sbceo.k12.ca.us

Other

Voter Precinct:

County Supervisor District:

State Assembly District:

Congressional District:



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Text size: [A](#) [A](#) [A](#)

[Assessor](#) > [Parcel Map Secured Property Look Up](#) > [Parcel Map Search Result](#) > [Details](#)

[Latest News](#)

Assessor Parcel Information Details

Property Information

Parcel Number:	073-060-032	Value Notice
Address:	, CA	
Transfer Date:	04/27/1999	
TRA:	008013	
Document #:		
Transfer Tax Amount:	\$4,400.00	

Property Characteristics

Use Description:	Industrial
Jurisdiction:	City of Goleta
Acreage:	1.03
Square Feet:	
Year Built:	
Bedrooms:	
Bathrooms:	
Fireplaces:	

[Assessor Parcel Map](#)

2014 Assessed Values

Land & Mineral Rights:	\$276,230
Improvements:	\$0
Personal Property:	\$0
Home Owner Exemption:	(\$0)
Other Exemption:	(\$0)
Net Assessed Value:	\$276,230

Districts that Serve Property

General	http://www.countyofsb.org
City of Goleta -Property Tax	http://www.cityofgoleta.org
Fire Protection Dist	http://www.sbcfire.com
Flood Ctrl/Wtr Cons Dst Mt	http://www.countyofsb.org/pwd
So Coast Flood Zone 2	
Water Agency	http://www.countyofsb.org/pwd/pwwater.aspx
Goleta Cemetery District	http://www.goletacemetery.com
Santa Barbara MTD	http://www.sbmtd.gov
Mosquito & Vector Mgt District	http://www.sbcvcd.org
Cachuma Resource Cons Dist	http://www.sbsd.org/local/crcd
Gol West Sanitary Dist-Running	http://www.goletawest.com

Goleta Water District	http://www.goletawater.com
Goleta Union Sch Dist-Gen	http://www.goleta.k12.ca.us
SBHS District-General	http://www.sbsdk12.org
SBCC Dist-Gen	http://www.sbcc.edu
County School Service	http://www.sbceo.k12.ca.us
Education Revenue Augmentation	http://www.sbceo.k12.ca.us

Other

Voter Precinct:

County Supervisor District:

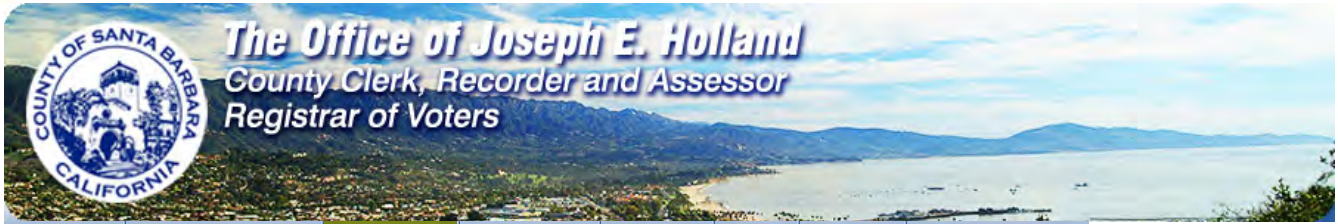
State Assembly District:

Congressional District:



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- Forms
- Data
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Text size: [A](#) [A](#) [A](#)

[Assessor](#) > [Parcel Map Secured Property Look Up](#) > [Parcel Map Search Result](#) > [Details](#)

[Latest News](#)

Assessor Parcel Information Details

Property Information

Parcel Number:	073-060-033	Value Notice
Address:	, CA	
Transfer Date:	04/27/1999	
TRA:	008013	
Document #:		
Transfer Tax Amount:	\$4,400.00	

Property Characteristics

Use Description:	Industrial
Jurisdiction:	City of Goleta
Acreage:	1.36
Square Feet:	
Year Built:	
Bedrooms:	
Bathrooms:	
Fireplaces:	

[Assessor Parcel Map](#)

2014 Assessed Values

Land & Mineral Rights:	\$363,195
Improvements:	\$0
Personal Property:	\$0
Home Owner Exemption:	(\$0)
Other Exemption:	(\$0)
Net Assessed Value:	\$363,195

Districts that Serve Property

General	http://www.countyofsb.org
City of Goleta -Property Tax	http://www.cityofgoleta.org
Fire Protection Dist	http://www.sbcfire.com
Flood Ctrl/Wtr Cons Dst Mt	http://www.countyofsb.org/pwd
So Coast Flood Zone 2	
Water Agency	http://www.countyofsb.org/pwd/pwwater.aspx
Goleta Cemetery District	http://www.goletacemetery.com
Santa Barbara MTD	http://www.sbmtd.gov
Mosquito & Vector Mgt District	http://www.sbcvcd.org
Cachuma Resource Cons Dist	http://www.sbsd.org/local/crcd
Gol West Sanitary Dist-Running	http://www.goletawest.com

Goleta Water District	http://www.goletawater.com
Goleta Union Sch Dist-Gen	http://www.goleta.k12.ca.us
SBHS District-General	http://www.sbsdk12.org
SBCC Dist-Gen	http://www.sbcc.edu
County School Service	http://www.sbceo.k12.ca.us
Education Revenue Augmentation	http://www.sbceo.k12.ca.us

Other

Voter Precinct:

County Supervisor District:

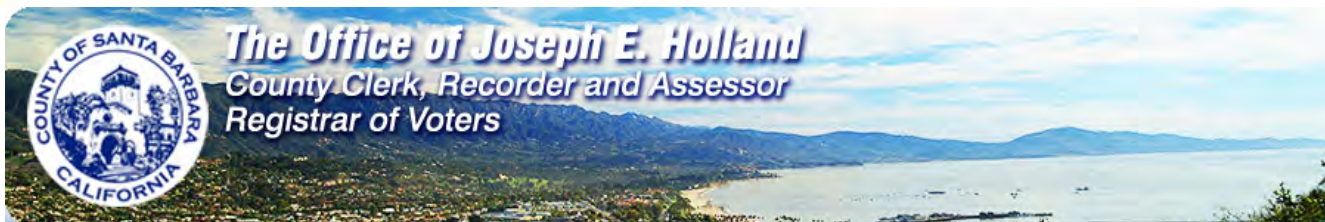
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[Assessor](#) > [Parcel Map Secured Property Look Up](#) > [Parcel Map Search Result](#) > [Details](#)

[Latest News](#)

Assessor Parcel Information Details

Property Information

Parcel Number:	073-060-034	Value Notice
Address:	, CA	
Transfer Date:	04/27/1999	
TRA:	008013	
Document #:		
Transfer Tax Amount:	\$4,400.00	

Property Characteristics

Use Description:	Industrial
Jurisdiction:	City of Goleta
Acreage:	1.12
Square Feet:	
Year Built:	
Bedrooms:	
Bathrooms:	
Fireplaces:	

[Assessor Parcel Map](#)

2014 Assessed Values

Land & Mineral Rights:	\$296,691
Improvements:	\$0
Personal Property:	\$0
Home Owner Exemption:	(\$0)
Other Exemption:	(\$0)
Net Assessed Value:	\$296,691

Districts that Serve Property

General	http://www.countyofsb.org
City of Goleta -Property Tax	http://www.cityofgoleta.org
Fire Protection Dist	http://www.sbcfire.com
Flood Ctrl/Wtr Cons Dst Mt	http://www.countyofsb.org/pwd
So Coast Flood Zone 2	
Water Agency	http://www.countyofsb.org/pwd/pwwater.aspx
Goleta Cemetery District	http://www.goletacemetery.com
Santa Barbara MTD	http://www.sbmtd.gov
Mosquito & Vector Mgt District	http://www.sbcvcd.org
Cachuma Resource Cons Dist	http://www.sbsd.org/local/crcd
Gol West Sanitary Dist-Running	http://www.goletawest.com

Goleta Water District	http://www.goletawater.com
Goleta Union Sch Dist-Gen	http://www.goleta.k12.ca.us
SBHS District-General	http://www.sbsdk12.org
SBCC Dist-Gen	http://www.sbcc.edu
County School Service	http://www.sbceo.k12.ca.us
Education Revenue Augmentation	http://www.sbceo.k12.ca.us

Other

Voter Precinct:

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State Assembly District:

Congressional District:



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[Assessor](#) > [Parcel Map Secured Property Look Up](#) > [Parcel Map Search Result](#) > [Details](#)

[Latest News](#)

Assessor Parcel Information Details

Property Information

Parcel Number:	073-060-035	Value Notice
Address:	, CA	
Transfer Date:	04/27/1999	
TRA:	008013	
Document #:		
Transfer Tax Amount:	\$4,400.00	

Property Characteristics

Use Description:	Industrial
Jurisdiction:	City of Goleta
Acreage:	1.12
Square Feet:	
Year Built:	
Bedrooms:	
Bathrooms:	
Fireplaces:	

[Assessor Parcel Map](#)

2014 Assessed Values

Land & Mineral Rights:	\$296,691
Improvements:	\$0
Personal Property:	\$0
Home Owner Exemption:	(\$0)
Other Exemption:	(\$0)
Net Assessed Value:	\$296,691

Districts that Serve Property

General	http://www.countyofsb.org
City of Goleta -Property Tax	http://www.cityofgoleta.org
Fire Protection Dist	http://www.sbcfire.com
Flood Ctrl/Wtr Cons Dst Mt	http://www.countyofsb.org/pwd
So Coast Flood Zone 2	
Water Agency	http://www.countyofsb.org/pwd/pwwater.aspx
Goleta Cemetery District	http://www.goletacemetery.com
Santa Barbara MTD	http://www.sbmtd.gov
Mosquito & Vector Mgt District	http://www.sbcvcd.org
Cachuma Resource Cons Dist	http://www.sbsd.org/local/crcd
Gol West Sanitary Dist-Running	http://www.goletawest.com

Goleta Water District	http://www.goletawater.com
Goleta Union Sch Dist-Gen	http://www.goleta.k12.ca.us
SBHS District-General	http://www.sbsdk12.org
SBCC Dist-Gen	http://www.sbcc.edu
County School Service	http://www.sbceo.k12.ca.us
Education Revenue Augmentation	http://www.sbceo.k12.ca.us

Other

Voter Precinct:

County Supervisor District:

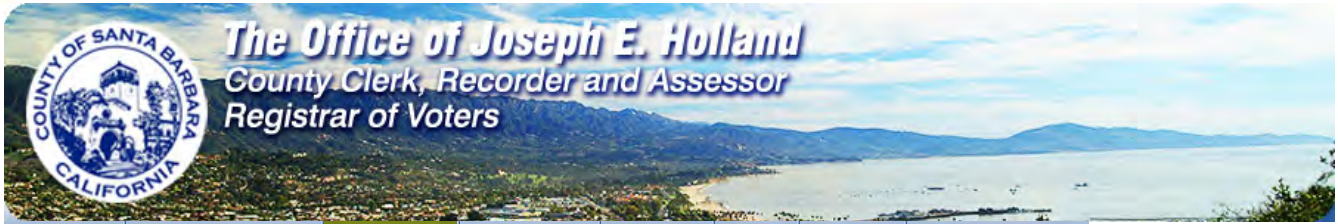
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- Home
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- Assessor
- Elections
- Forms
- Data
- About
- Contact Us

Business Properties | Calendar | Forms | Property Tax Programs | Real Estate Services | Property Value Notice | News | Contact Us | Email Us | About | Assessor Biography

Text size: [A](#) [A](#) [A](#)

[Assessor](#) > [Parcel Map Secured Property Look Up](#) > [Parcel Map Search Result](#) > [Details](#)

[Latest News](#)

Assessor Parcel Information Details

Property Information

Parcel Number:	073-060-036	Value Notice
Address:	, CA	
Transfer Date:	04/27/1999	
TRA:	008013	
Document #:		
Transfer Tax Amount:	\$4,400.00	

Property Characteristics

Use Description:	Industrial
Jurisdiction:	City of Goleta
Acreage:	1.04
Square Feet:	
Year Built:	
Bedrooms:	
Bathrooms:	
Fireplaces:	

[Assessor Parcel Map](#)

2014 Assessed Values

Land & Mineral Rights:	\$276,230
Improvements:	\$0
Personal Property:	\$0
Home Owner Exemption:	(\$0)
Other Exemption:	(\$0)
Net Assessed Value:	\$276,230

Districts that Serve Property

General	http://www.countyofsb.org
City of Goleta -Property Tax	http://www.cityofgoleta.org
Fire Protection Dist	http://www.sbcfire.com
Flood Ctrl/Wtr Cons Dst Mt	http://www.countyofsb.org/pwd
So Coast Flood Zone 2	
Water Agency	http://www.countyofsb.org/pwd/pwwater.aspx
Goleta Cemetery District	http://www.goletacemetery.com
Santa Barbara MTD	http://www.sbmtd.gov
Mosquito & Vector Mgt District	http://www.sbcvcd.org
Cachuma Resource Cons Dist	http://www.sbsd.org/local/crcd
Gol West Sanitary Dist-Running	http://www.goletawest.com

Goleta Water District	http://www.goletawater.com
Goleta Union Sch Dist-Gen	http://www.goleta.k12.ca.us
SBHS District-General	http://www.sbsdk12.org
SBCC Dist-Gen	http://www.sbcc.edu
County School Service	http://www.sbceo.k12.ca.us
Education Revenue Augmentation	http://www.sbceo.k12.ca.us

Other

Voter Precinct:

County Supervisor District:

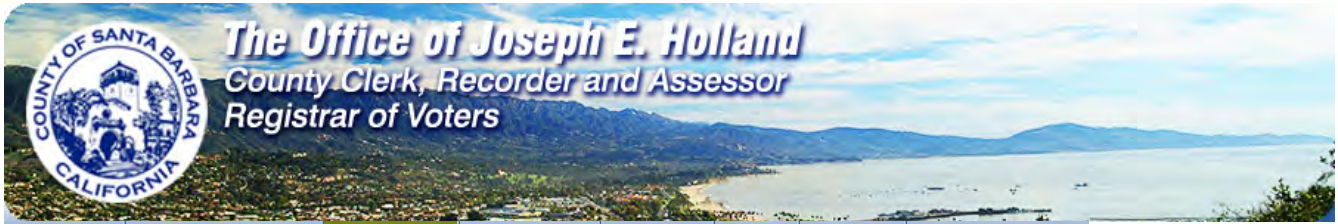
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- Assessor
- Elections
- Forms
- Data
- About
- Contact Us

Business Properties | Calendar | Forms | Property Tax Programs | Real Estate Services | Property Value Notice | News | Contact Us | Email Us | About | Assessor Biography

Text size: [A](#) [A](#) [A](#)

[Assessor](#) > [Parcel Map Secured Property Look Up](#) > [Parcel Map Search Result](#) > [Details](#)

[Latest News](#)

Assessor Parcel Information Details

Property Information

Parcel Number:	073-060-037	Value Notice
Address:	, CA	
Transfer Date:	04/27/1999	
TRA:	008013	
Document #:		
Transfer Tax Amount:	\$4,400.00	

Property Characteristics

Use Description:	Industrial
Jurisdiction:	City of Goleta
Acreage:	1.04
Square Feet:	
Year Built:	
Bedrooms:	
Bathrooms:	
Fireplaces:	

[Assessor Parcel Map](#)

2014 Assessed Values

Land & Mineral Rights:	\$276,230
Improvements:	\$0
Personal Property:	\$0
Home Owner Exemption:	(\$0)
Other Exemption:	(\$0)
Net Assessed Value:	\$276,230

Districts that Serve Property

General	http://www.countyofsb.org
City of Goleta -Property Tax	http://www.cityofgoleta.org
Fire Protection Dist	http://www.sbcfire.com
Flood Ctrl/Wtr Cons Dst Mt	http://www.countyofsb.org/pwd
So Coast Flood Zone 2	
Water Agency	http://www.countyofsb.org/pwd/pwwater.aspx
Goleta Cemetery District	http://www.goletacemetery.com
Santa Barbara MTD	http://www.sbmtd.gov
Mosquito & Vector Mgt District	http://www.sbcvcd.org
Cachuma Resource Cons Dist	http://www.sbsd.org/local/crcd
Gol West Sanitary Dist-Running	http://www.goletawest.com

Goleta Water District	http://www.goletawater.com
Goleta Union Sch Dist-Gen	http://www.goleta.k12.ca.us
SBHS District-General	http://www.sbsdk12.org
SBCC Dist-Gen	http://www.sbcc.edu
County School Service	http://www.sbceo.k12.ca.us
Education Revenue Augmentation	http://www.sbceo.k12.ca.us

Other

Voter Precinct:

County Supervisor District:

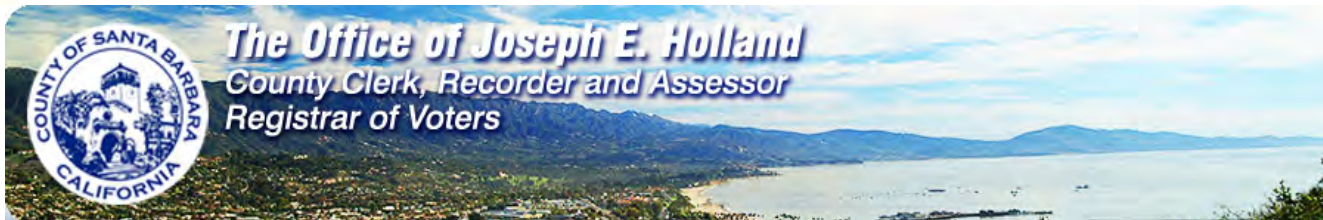
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- Elections
- Forms
- Data
- About
- Contact Us

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Text size: [A](#) [A](#) [A](#)

[Assessor](#) > [Parcel Map Secured Property Look Up](#) > [Parcel Map Search Result](#) > [Details](#)

[Latest News](#)

Assessor Parcel Information Details

Property Information

Parcel Number:	073-060-038	Value Notice
Address:	, CA	
Transfer Date:	04/27/1999	
TRA:	008013	
Document #:		
Transfer Tax Amount:	\$4,400.00	

Property Characteristics

Use Description:	Industrial
Jurisdiction:	City of Goleta
Acreage:	1.16
Square Feet:	
Year Built:	
Bedrooms:	
Bathrooms:	
Fireplaces:	

[Assessor Parcel Map](#)

2014 Assessed Values

Land & Mineral Rights:	\$306,923
Improvements:	\$0
Personal Property:	\$0
Home Owner Exemption:	(\$0)
Other Exemption:	(\$0)
Net Assessed Value:	\$306,923

Districts that Serve Property

General	http://www.countyofsb.org
City of Goleta -Property Tax	http://www.cityofgoleta.org
Fire Protection Dist	http://www.sbcfire.com
Flood Ctrl/Wtr Cons Dst Mt	http://www.countyofsb.org/pwd
So Coast Flood Zone 2	
Water Agency	http://www.countyofsb.org/pwd/pwwater.aspx
Goleta Cemetery District	http://www.goletacemetery.com
Santa Barbara MTD	http://www.sbmtd.gov
Mosquito & Vector Mgt District	http://www.sbcvcd.org
Cachuma Resource Cons Dist	http://www.sbsd.org/local/crcd
Gol West Sanitary Dist-Running	http://www.goletawest.com

Goleta Water District	http://www.goletawater.com
Goleta Union Sch Dist-Gen	http://www.goleta.k12.ca.us
SBHS District-General	http://www.sbsdk12.org
SBCC Dist-Gen	http://www.sbcc.edu
County School Service	http://www.sbceo.k12.ca.us
Education Revenue Augmentation	http://www.sbceo.k12.ca.us

Other

Voter Precinct:

County Supervisor District:

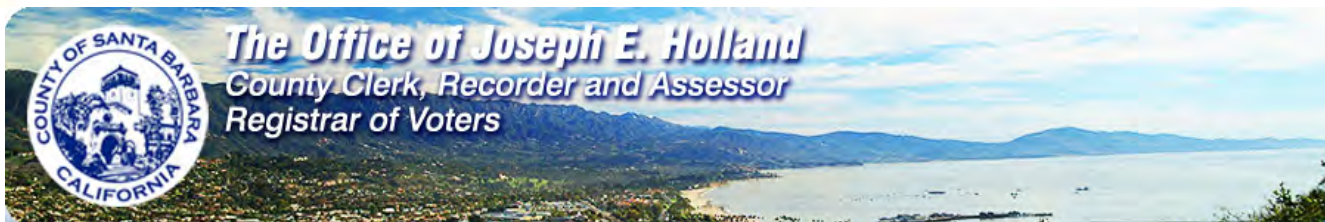
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[Assessor](#) > [Parcel Map Secured Property Look Up](#) > [Parcel Map Search Result](#) > [Details](#)

[Latest News](#)

Assessor Parcel Information Details

Property Information

Parcel Number:	073-060-039	Value Notice
Address:		
	, CA	
Transfer Date:	04/27/1999	
TRA:	008013	
Document #:		
Transfer Tax Amount:	\$4,400.00	

Property Characteristics

Use Description:	Industrial
Jurisdiction:	City of Goleta
Acreage:	1.19
Square Feet:	
Year Built:	
Bedrooms:	
Bathrooms:	
Fireplaces:	

[Assessor Parcel Map](#)

2014 Assessed Values

Land & Mineral Rights:	\$317,156
Improvements:	\$0
Personal Property:	\$0
Home Owner Exemption:	(\$0)
Other Exemption:	(\$0)
Net Assessed Value:	\$317,156

Districts that Serve Property

General	http://www.countyofsb.org
City of Goleta -Property Tax	http://www.cityofgoleta.org
Fire Protection Dist	http://www.sbcfire.com
Flood Ctrl/Wtr Cons Dst Mt	http://www.countyofsb.org/pwd
So Coast Flood Zone 2	
Water Agency	http://www.countyofsb.org/pwd/pwwater.aspx
Goleta Cemetery District	http://www.goletacemetery.com
Santa Barbara MTD	http://www.sbmtd.gov
Mosquito & Vector Mgt District	http://www.sbcvcd.org
Cachuma Resource Cons Dist	http://www.sbsd.org/local/crcd
Gol West Sanitary Dist-Running	http://www.goletawest.com

Goleta Water District	http://www.goletawater.com
Goleta Union Sch Dist-Gen	http://www.goleta.k12.ca.us
SBHS District-General	http://www.sbsdk12.org
SBCC Dist-Gen	http://www.sbcc.edu
County School Service	http://www.sbceo.k12.ca.us
Education Revenue Augmentation	http://www.sbceo.k12.ca.us

Other

Voter Precinct:

County Supervisor District:

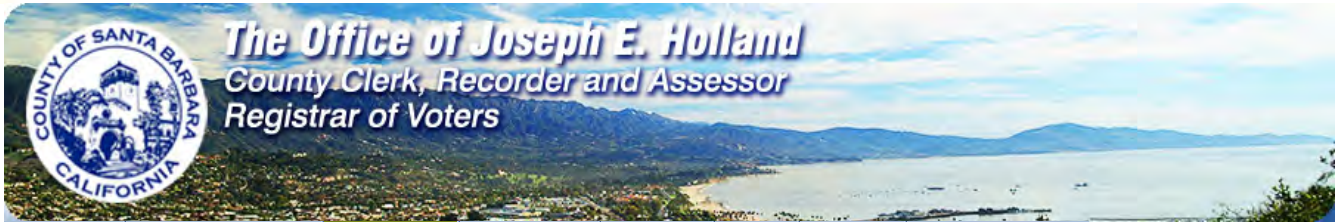
State Assembly District:

Congressional District:



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Assessor Parcel Information Details

Property Information

Parcel Number:	073-060-040	Value Notice
Address:	, CA	
Transfer Date:	04/27/1999	
TRA:	008013	
Document #:		
Transfer Tax Amount:	\$4,400.00	

Property Characteristics

Use Description:	Industrial
Jurisdiction:	City of Goleta
Acreage:	1.14
Square Feet:	
Year Built:	
Bedrooms:	
Bathrooms:	
Fireplaces:	

[Assessor Parcel Map](#)

2014 Assessed Values

Land & Mineral Rights:	\$301,809
Improvements:	\$0
Personal Property:	\$0
Home Owner Exemption:	(\$0)
Other Exemption:	(\$0)
Net Assessed Value:	\$301,809

Districts that Serve Property

General	http://www.countyofsb.org
City of Goleta -Property Tax	http://www.cityofgoleta.org
Fire Protection Dist	http://www.sbcfire.com
Flood Ctrl/Wtr Cons Dst Mt	http://www.countyofsb.org/pwd
So Coast Flood Zone 2	
Water Agency	http://www.countyofsb.org/pwd/pwwater.aspx
Goleta Cemetery District	http://www.goletacemetery.com
Santa Barbara MTD	http://www.sbmtd.gov
Mosquito & Vector Mgt District	http://www.sbcvcd.org
Cachuma Resource Cons Dist	http://www.sbsd.org/local/crcd
Gol West Sanitary Dist-Running	http://www.goletawest.com

Goleta Water District	http://www.goletawater.com
Goleta Union Sch Dist-Gen	http://www.goleta.k12.ca.us
SBHS District-General	http://www.sbsdk12.org
SBCC Dist-Gen	http://www.sbcc.edu
County School Service	http://www.sbceo.k12.ca.us
Education Revenue Augmentation	http://www.sbceo.k12.ca.us

Other

Voter Precinct:

County Supervisor District:

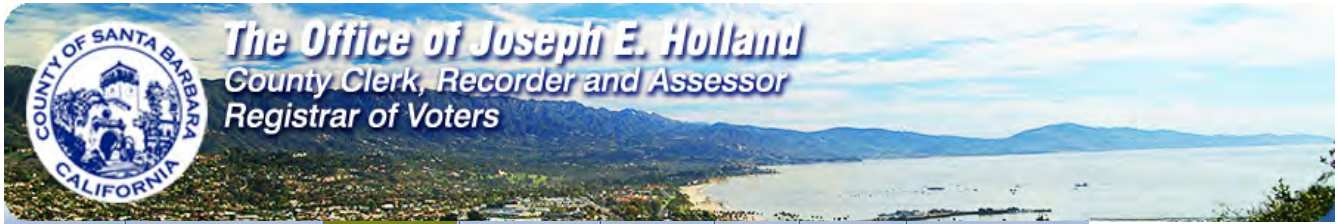
State Assembly District:

Congressional District:



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Assessor Parcel Information Details

Property Information

Parcel Number:	073-060-041	Value Notice
Address:	, CA	
Transfer Date:	04/27/1999	
TRA:	008013	
Document #:		
Transfer Tax Amount:	\$4,400.00	

Property Characteristics

Use Description:	Industrial
Jurisdiction:	City of Goleta
Acreage:	1.04
Square Feet:	
Year Built:	
Bedrooms:	
Bathrooms:	
Fireplaces:	

[Assessor Parcel Map](#)

2014 Assessed Values

Land & Mineral Rights:	\$276,230
Improvements:	\$0
Personal Property:	\$0
Home Owner Exemption:	(\$0)
Other Exemption:	(\$0)
Net Assessed Value:	\$276,230

Districts that Serve Property

General	http://www.countyofsb.org
City of Goleta -Property Tax	http://www.cityofgoleta.org
Fire Protection Dist	http://www.sbcfire.com
Flood Ctrl/Wtr Cons Dst Mt	http://www.countyofsb.org/pwd
So Coast Flood Zone 2	
Water Agency	http://www.countyofsb.org/pwd/pwwater.aspx
Goleta Cemetery District	http://www.goletacemetery.com
Santa Barbara MTD	http://www.sbmtd.gov
Mosquito & Vector Mgt District	http://www.sbcvcd.org
Cachuma Resource Cons Dist	http://www.sbsd.org/local/crcd
Gol West Sanitary Dist-Running	http://www.goletawest.com

Goleta Water District	http://www.goletawater.com
Goleta Union Sch Dist-Gen	http://www.goleta.k12.ca.us
SBHS District-General	http://www.sbsdk12.org
SBCC Dist-Gen	http://www.sbcc.edu
County School Service	http://www.sbceo.k12.ca.us
Education Revenue Augmentation	http://www.sbceo.k12.ca.us

Other

Voter Precinct:

County Supervisor District:

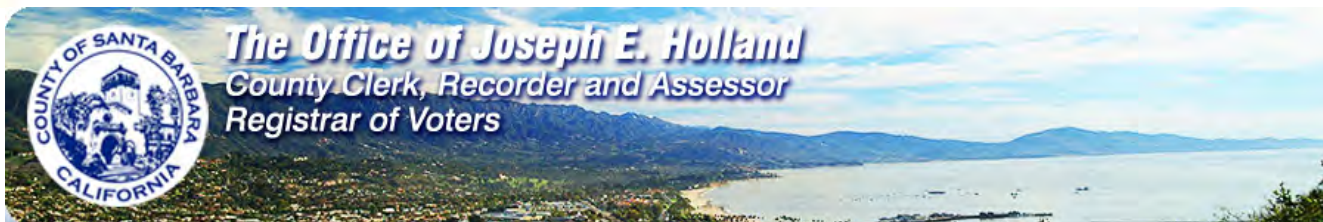
State Assembly District:

Congressional District:



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Assessor Parcel Information Details

Property Information

Parcel Number:	073-060-042	Value Notice
Address:	, CA	
Transfer Date:	04/27/1999	
TRA:	008013	
Document #:		
Transfer Tax Amount:	\$4,400.00	

Property Characteristics

Use Description:	Industrial
Jurisdiction:	City of Goleta
Acreage:	1.24
Square Feet:	
Year Built:	
Bedrooms:	
Bathrooms:	
Fireplaces:	

[Assessor Parcel Map](#)

2014 Assessed Values

Land & Mineral Rights:	\$332,502
Improvements:	\$0
Personal Property:	\$0
Home Owner Exemption:	(\$0)
Other Exemption:	(\$0)
Net Assessed Value:	\$332,502

Districts that Serve Property

General	http://www.countyofsb.org
City of Goleta -Property Tax	http://www.cityofgoleta.org
Fire Protection Dist	http://www.sbcfire.com
Flood Ctrl/Wtr Cons Dst Mt	http://www.countyofsb.org/pwd
So Coast Flood Zone 2	
Water Agency	http://www.countyofsb.org/pwd/pwwater.aspx
Goleta Cemetery District	http://www.goletacemetery.com
Santa Barbara MTD	http://www.sbmtd.gov
Mosquito & Vector Mgt District	http://www.sbcvcd.org
Cachuma Resource Cons Dist	http://www.sbsd.org/local/crcd
Gol West Sanitary Dist-Running	http://www.goletawest.com

Goleta Water District	http://www.goletawater.com
Goleta Union Sch Dist-Gen	http://www.goleta.k12.ca.us
SBHS District-General	http://www.sbsdk12.org
SBCC Dist-Gen	http://www.sbcc.edu
County School Service	http://www.sbceo.k12.ca.us
Education Revenue Augmentation	http://www.sbceo.k12.ca.us

Other

Voter Precinct:

County Supervisor District:

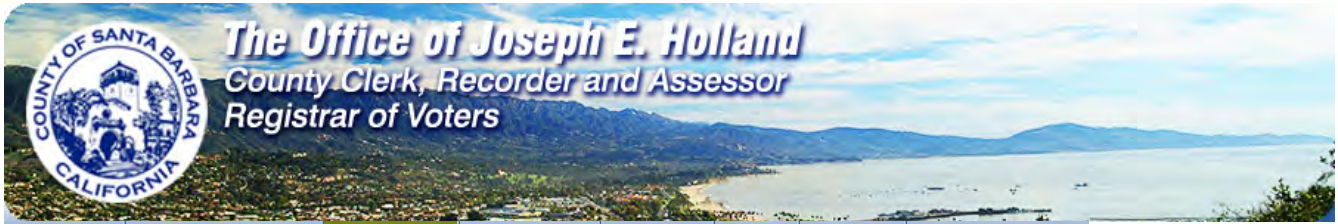
State Assembly District:

Congressional District:



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Assessor Parcel Information Details

Property Information

Parcel Number:	073-060-043	Value Notice
Address:	, CA	
Transfer Date:	04/27/1999	
TRA:	008013	
Document #:		
Transfer Tax Amount:	\$4,400.00	

Property Characteristics

Use Description:	Industrial
Jurisdiction:	City of Goleta
Acreage:	1.11
Square Feet:	
Year Built:	
Bedrooms:	
Bathrooms:	
Fireplaces:	

[Assessor Parcel Map](#)

2014 Assessed Values

Land & Mineral Rights:	\$296,691
Improvements:	\$0
Personal Property:	\$0
Home Owner Exemption:	(\$0)
Other Exemption:	(\$0)
Net Assessed Value:	\$296,691

Districts that Serve Property

General	http://www.countyofsb.org
City of Goleta -Property Tax	http://www.cityofgoleta.org
Fire Protection Dist	http://www.sbcfire.com
Flood Ctrl/Wtr Cons Dst Mt	http://www.countyofsb.org/pwd
So Coast Flood Zone 2	
Water Agency	http://www.countyofsb.org/pwd/pwwater.aspx
Goleta Cemetery District	http://www.goletacemetery.com
Santa Barbara MTD	http://www.sbmtd.gov
Mosquito & Vector Mgt District	http://www.sbcvcd.org
Cachuma Resource Cons Dist	http://www.sbsd.org/local/crcd
Gol West Sanitary Dist-Running	http://www.goletawest.com

Goleta Water District	http://www.goletawater.com
Goleta Union Sch Dist-Gen	http://www.goleta.k12.ca.us
SBHS District-General	http://www.sbsdk12.org
SBCC Dist-Gen	http://www.sbcc.edu
County School Service	http://www.sbceo.k12.ca.us
Education Revenue Augmentation	http://www.sbceo.k12.ca.us

Other

Voter Precinct:

County Supervisor District:

State Assembly District:

Congressional District:



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TRANSMISSION OK

JOB NO.	0300
DESTINATION ADDRESS	18056852635
SUBADDRESS	
DESTINATION ID	
ST. TIME	07/28 14:35
TX/RX TIME	01'30
PGS.	2
RESULT	OK



Property Solutions INC.

Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

July 28, 2014

Goleta Permits
 130 Cremona Drive, Suite B,
 Goleta, California 93117
 Phone: 805-961-7500
 Fax: 805-685-2635

**Re: Heritage Ridge - 16.2 Acres Undeveloped
 near 50 Willow Springs Lane
 N E of Los Carneros Road and Calle Koral
 Parcel #s 073-060-031 through 073-060-043
 Goleta, Santa Barbara CA 93117
 Property Solutions Inc Project #20143233**



Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of a property assessment, we wish to determine whether government agencies possess records on the subject property that may include potential environmental concerns. We request information on the following:

- Permits, reports, and information for Underground or Aboveground Storage Tanks (UST/AST), oil / water separator or clarifier installation or removal any current or previous building at the property
- Permits for flammable materials storage
- Permits of asbestos removal
- Permits for the installation or decommissioning of drinking water wells & septic systems
- Demolition/renovation permits for the current building of any other prior building on this property
- Any known spills, releases, hazardous materials

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertyolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
 Property Solutions Inc.

Handwritten signature: H. H. H. - 670

No Files for subject property or address
 Name: _____
 Title: _____



Property Solutions INC.

Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

July 28, 2014

Fire Station 11
6901 Frey Way
Goleta, California 93117
(805) 681-5511

**Re: Heritage Ridge - 16.2 Acres Undeveloped
near 50 Willow Springs Lane
N E of Los Carneros Road and Calle Koral
Parcel #s 073-060-031 through 073-060-043
Goleta, Santa Barbara CA 93117
Property Solutions Inc Project #20143233**



Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of a property assessment, we wish to determine whether government agencies possess records on the subject property that may include potential concerns. We request information on the following:

- Outstanding fire code violations associated with storage / handling / use of flammable or hazardous materials
- Fires or spills
- Permits for Underground or Aboveground Storage Tanks (UST/AST), installation or removal
- Any known storage of hazardous materials or petroleum products

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertysolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertysolutionsinc.com
856-813-3000 ext 245

<input type="checkbox"/>	No Files for subject property or address
Name:	_____
Title:	_____
Phone:	_____
X	_____
Signature	Date

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JOB NO.	0301
DESTINATION ADDRESS	18056814901
SUBADDRESS	
DESTINATION ID	
ST. TIME	07/28 14:41
TX/RX TIME	00' 50
PGS.	1
RESULT	OK



Property Solutions INC.

Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

July 28, 2014

Santa Barbara Environmental Health Services
225 Camino del Remedio
Telephone (805) 681-4900;
Fax (805) 681-4901

**Re: Heritage Ridge - 16.2 Acres Undeveloped
near 50 Willow Springs Lane
N E of Los Carneros Road and Calle Koral
Parcel #s 073-060-031 through 073-060-043
Goleta, Santa Barbara CA 93117
Property Solutions Inc Project #20143233**



Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of a property assessment, we wish to determine whether government agencies possess records on the subject property that may include potential environmental concerns. We request information on the following:

- Permits, reports, and information for Underground or Aboveground Storage Tanks (UST/AST), oil / water separator or clarifier installation or removal any current or previous building at the property
- Lead based paint information, issues, or lead poisonings reported at the property
- Asbestos information, removal, or abatement at the property
- Environmental health code violations
- Permits for the installation or decommissioning of drinking water wells & septic systems
- Water supply concerns

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertyolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

<input type="checkbox"/> No Files for subject property or address
Name: _____
Title: _____
Phone: _____

*** FAX TX REPORT ***

TRANSMISSION OK

JOB NO. 0302
DESTINATION ADDRESS 18059647002
SUBADDRESS
DESTINATION ID
ST. TIME 07/28 14:38
TX/RX TIME 01' 11
PGS. 1
RESULT OK



Property Solutions INC.

Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

July 28, 2014

Goleta Water District
4699 Hollister Avenue
Goleta, CA 93110
Fax (805) 964-7002



**Re: Heritage Ridge - 16.2 Acres Undeveloped
near 50 Willow Springs Lane
N E of Los Carneros Road and Calle Koral
Parcel #s 073-060-031 through 073-060-043
Goleta, Santa Barbara CA 93117
Property Solutions Inc Project #20143233**

To Whom It May Concern:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of the property assessment, we wish to determine the water and sewer provider of the subject property.

If the **Goleta Water District** is indeed the water and sewer provider, please provide me with the following information:

- Date of water connection
- Water violations
- Date of municipal sewer connection
- Special sewer discharge permits

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertyolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

<input type="checkbox"/>	No Files for subject property or address
Name:	_____
Title:	_____



Property Solutions INC.

Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

July 28, 2014

Santa Barbara County APCD
260 North San Antonio Road, Suite A
Santa Barbara, CA 93110-1315
Phone: (805) 961-8800
Fax: (805) 961-8801

**Re: Heritage Ridge - 16.2 Acres Undeveloped
near 50 Willow Springs Lane
N E of Los Carneros Road and Calle Koral
Parcel #s 073-060-031 through 073-060-043
Goleta, Santa Barbara CA 93117
Property Solutions Inc Project #20143233**



Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of the property assessment, we wish to determine whether government agencies possess any records on the subject property or area wide issues that the property be included in that include potential environmental concerns. Please provide any information regarding any permits to operate, health risk assessments, air monitoring data, notice of violation, notice to comply, asbestos notification records.

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertyolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertyolutionsinc.com
856-813-3000 ext 245

<input type="checkbox"/> No Files for subject property or address	
Name:	_____
Title:	_____
Phone:	_____
X _____	_____
Signature	Date

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 *** FAX TX REPORT ***

TRANSMISSION OK

JOB NO.	0305
DESTINATION ADDRESS	18055430397
SUBADDRESS	
DESTINATION ID	
ST. TIME	07/28 14:52
TX/RX TIME	00' 39
PGS.	1
RESULT	OK



Property Solutions INC.

Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

July 28, 2014

State of California
 Environmental Protection Agency – State Water Resource
 Control Board – Region 3, Central Coast Region
 895 Aerovista Place, Suite 101
 San Luis Obispo, CA 93401
 ATTN: Public Records Request
 Phone: (805) 549-3147
 Fax: (805) 543-0397
 Email: N/A
 Website: <http://www.swrcb.ca.gov/>



**Re: Heritage Ridge - 16.2 Acres
 Undeveloped**
near 50 Willow Springs Lane
 N E of Los Carneros Road and Calle Koral
 Parcel #s 073-060-031 through 073-060-043
 Goleta, Santa Barbara CA 93117
 Property Solutions Inc Project #20143233

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of the property assessment, we wish to determine whether government agencies possess any records on the subject property or area wide issues that the property be included in that include potential environmental concerns. Please provide any information regarding any AST / UST, PCBs, spills / releases, petroleum and hazardous materials use, storage, or disposal activities, vapor intrusion, and contaminated groundwater.

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertyolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
 Property Solutions Inc.

John M. Hall

No Files for subject property or address
 Name: _____
 Title: _____



Property Solutions INC.

Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

July 28, 2014

State of California
Environmental Protection Agency – State Water Resource
Control Board – Region 3, Central Coast Region
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401
ATTN: Public Records Request
Phone: (805) 549-3147
Fax: (805) 543-0397
Email: N/A
Website: <http://www.swrcb.ca.gov/>



**Re: Heritage Ridge - 16.2 Acres
Undeveloped**
near 50 Willow Springs Lane
N E of Los Carneros Road and Calle Koral
Parcel #s 073-060-031 through 073-060-043
Goleta, Santa Barbara CA 93117
Property Solutions Inc Project #20143233

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of the property assessment, we wish to determine whether government agencies possess any records on the subject property or area wide issues that the property be included in that include potential environmental concerns. Please provide any information regarding any AST / UST, PCBs, spills / releases, petroleum and hazardous materials use, storage, or disposal activities, vapor intrusion, and contaminated groundwater.

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertyolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertyolutionsinc.com
856-813-3000 ext 245

<input type="checkbox"/> No Files for subject property or address	
Name:	_____
Title:	_____
Phone:	_____
X _____	_____
Signature	Date

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From: Sturgess, Dona@CalRecycle <Dona.Sturgess@CalRecycle.ca.gov>
Sent: Tuesday, July 29, 2014 11:29 AM
To: environmental coordinator
Subject: 20143233 PRA Request
Attachments: California Department of Resources Recycling and Recovery.pdf

Good day, Ms. Gray-Etherson. CalRecycle is the home of California's recycling and waste reduction efforts. Officially known as the Department of Resources Recycling and Recovery, CalRecycle is a department within the California Environmental Protection Agency and administers programs formerly managed by the State's Integrated Waste Management Board and Division of Recycling.

CalRecycle has received your request for information regarding potential environmental concerns, including hazardous materials storage, hazardous releases, and health code violations for the following property:

Heritage Ridge – 16.2 Acres Undeveloped near 50 Willow Springs Lane, NE of Los Carneros Road and Calle Koral, Parcel #s 073-060-031 through 073-060-043, Goleta, CA 93117.

CalRecycle, in conjunction with local agencies, is responsible for promoting waste management practices aimed at reducing the amount of waste that is disposed in landfills. CalRecycle administers various programs which promote waste reduction and recycling, with particular programs for tires, used oil, beverage containers, and electronics. CalRecycle also regulates landfills through a permitting, inspection, and enforcement program that is mainly enforced by local enforcement agencies that are certified by CalRecycle. In addition, CalRecycle oversees the cleanup of abandoned solid waste sites.

CalRecycle regulates nonhazardous (solid) waste facilities. CalRecycle did not begin collecting data on landfills until mid-1974 and did not actually begin regulating landfills until 1977 or 1978 therefore we may not have all historical information on any given site. CalRecycle maintains records on solid waste facilities in discrete facility permit files.

We have checked the listings by address and do not have any facility files regarding the above.

The Department of Toxic Substances Control (DTSC) would handle issues related to hazardous materials storage and hazardous releases. The State Water Resources Control Board (SWRCB) and the Regional Water Boards under the SWRCB would handle groundwater issues arising from such contamination. Both of these agencies are under the California Environmental Protection Agency. If you want to contact the environmental agencies under the California Environmental Protection Agency, here is a link to that contact information and guidelines for submitting Public Records Act requests to them: <http://www.calepa.ca.gov/ContactUs/RecordsAct.htm>.

These non-CalRecycle databases should be of assistance to you with area-wide issues: <http://www.envirostor.dtsc.ca.gov/public/> and http://www.epa.gov/enviro/html/multisystem_query_java.html.

Health Code violations would come under the California Department of Public Health, unless you are referring to local code violations, in which case you would need to contact the local health department.

You may also want to contact the LEA, County of Santa Barbara:

Dona Sturgess, Senior Legal Analyst

California Department of Resources Recycling and Recovery (CalRecycle)

1001 I Street - - MS-24B

Post Office Box 4025

Sacramento, California 95812-4025

Phone: 916/341-6066

Fax 1: 916/319-7103

Fax 2: 916/341-6082

<http://www.calrecycle.ca.gov>

From: environmental coordinator [<mailto:ecoordinator@propertyolutionsinc.com>]

Sent: Monday, July 28, 2014 12:54 PM

To: Sturgess, Dona@CalRecycle

Subject: 20143233 PRA Request

Lyla Gray-Etherson

Environmental Coordinator

Property Solutions INC.

323 New Albany Road

Moorestown, New Jersey 08057

Phone: (856) 813-3000, Ext. 245

Fax: (856) 813-1073\68

Email: ecoordinator@propertyolutionsinc.com





Property Solutions INC.

Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

July 28, 2014

State of California
California Department of Resources Recycling and Recovery (CalRecycle)
1001 I Street, MS-23A - P.O. Box 4025
Sacramento, CA 95812-4025
ATTN: Dona Sturgess, Senior Legal Analyst
Phone: (916) 341-6066
Fax: (916) 319-7103
Email: Dona.Sturgess@CalRecycle.ca.gov (USE EMAIL)
Website: <http://www.calrecycle.ca.gov/>

**Re: Heritage Ridge - 16.2 Acres Undeveloped
near 50 Willow Springs Lane
N E of Los Carneros Road and Calle Koral
Parcel #s 073-060-031 through 073-060-043
Goleta, Santa Barbara CA 93117
Property Solutions Inc Project #20143233**

Dear Ms Sturgess:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of the property assessment, we wish to determine whether government agencies possess any records on the subject property or area wide issues that the property be included in that include potential environmental concerns. Please provide any information regarding any hazardous materials storage, hazardous releases, and health code violations.

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertyolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertyolutionsinc.com
856-813-3000 ext 245

No Files for subject property or address	
Name: _____	
Title: _____	
Phone: _____	
X _____	_____
Signature	Date

SERVING YOUR NEEDS NATIONWIDE FROM OUR OFFICES IN:

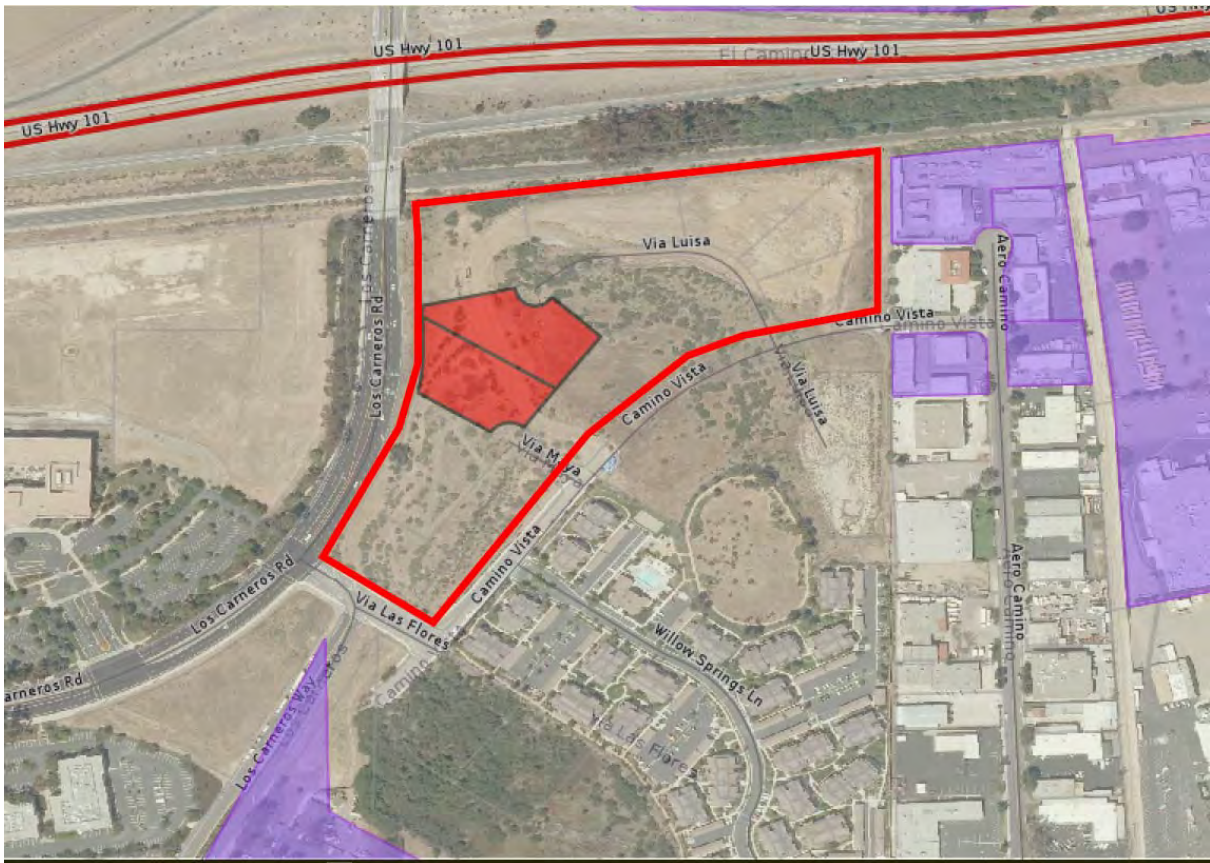
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Property Solutions INC.

Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068



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From: Jim Heaton <JHeaton@goletawater.com>
Sent: Thursday, July 31, 2014 8:03 PM
To: environmental coordinator
Subject: RE: Willow Springs Nort water service information request
Attachments: PWSD Willow Springs North 4-8-14.pdf

I received the signed authorization. Thank you.

The District is aware of the referenced project and has issued the attached Preliminary Water Services Determination letter (attached). They do not currently have water service for the project. They have not yet submitted an application for water service.

The Goleta Water District only provides water services.

Sincerely,

Jim Heaton
Senior Water Resources Analyst

Water Supply & Conservation Department
Goleta Water District
4699 Hollister Avenue
Goleta, CA 93110
p: 805-879-4652
f: 805-879-4657

From: environmental coordinator [<mailto:ecoordinator@propertyolutionsinc.com>]
Sent: Tuesday, July 29, 2014 5:42 AM
To: Jim Heaton
Subject: RE: Willow Springs Nort water service information request

We don't have authorization. I will update our records to show this, so that in the future, requests won't be sent to you.

From: Jim Heaton [<mailto:JHeaton@goletawater.com>]
Sent: Monday, July 28, 2014 6:30 PM
To: environmental coordinator
Cc: cminus@towbes.com
Subject: Willow Springs Nort water service information request

Dear Ms. Gray-Etherson,

I received your fax requesting information about the available water service for Willow Springs North at APNs 073-060-031 through 073-060-043. In order to provide you information regarding existing or proposed water service, I will need an agent authorization. Please return the attached form completed by the property owner.

Sincerely,

Jim Heaton
Senior Water Resources Analyst

Water Supply & Conservation Department
Goleta Water District
4699 Hollister Avenue

Goleta, CA 93110
p: 805-879-4652
f: 805-879-4657



4699 HOLLISTER AVENUE
GOLETA, CALIFORNIA 93110-1999
TELEPHONE 805/964-6761
FAX 805/964-7002

PRELIMINARY WATER SERVICE DETERMINATION

April 8, 2014

Ms. Heidi Jones
Suzanne Elledge Planning & Permitting Services
1029 Santa Barbara Street
Santa Barbara, CA 93101

Re: Water Service Classification Notice
Willow Springs – Phase III (North)
APNs: 073-060-031 thru -043

Dear Ms. Jones:

Thank you for contacting the Goleta Water District (District) regarding your proposed project. The District has reviewed the description for your proposed project located on APNs 073-060-031 thru -043.

The District has an obligation and responsibility to serve the proposed project subject to the provisions of the SAFE Water Supplies Ordinance approved by District voters, the District Code, and California Law.

This Preliminary Water Service Determination confirms the District currently has sufficient water supply available to serve the Proposed Project. However, the SAFE Ordinance limits the ability of the District to guarantee future water availability. This Determination may be required to initiate an application for development with the City of Goleta Planning and Environmental Service Department.

The Proposed Project has an existing entitlement to water pursuant to a Judgment Upon Arbitration Award filed in Santa Barbara Superior Court on 2/26/2002.

Our review is based on the following project description:

Proposed development includes two housing projects (Areas A and B) totaling 360 units as well as a public neighborhood park. Fire sprinklers and hydrants are requested or required as part of the proposed development. The project involves 13 parcels that will be merged into 3 parcels encompassing 16.2 gross acres located in the City of Goleta. The properties do not currently have an active service connection with the Goleta Water District.

Area A will be a seniors' housing project with 108 one-bedroom units and 24 two-bedroom units in two buildings, for a total of 132 units. Area A will have a

leasing office, clubhouse, and other recreation facilities such as a pool, spa, gym, outdoor recreation, and barbecue areas.

Area B will be workforce housing containing 149 one-bedroom units, 55 two-bedroom units, and 24 three bedroom units, for a total of 228 units in six buildings. Area B will also have a leasing office, clubhouse, and other recreation facilities such as a pool, spa, gym, children's play equipment, and barbecue area.

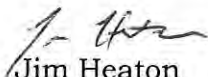
The public neighborhood park area will consist of 2 gross acres.

Please review this above description carefully. Any deviations from the above project description, exhibits, or conditions must be reviewed and approved by the District for conformity with this notice. Any changes to or deviations from the project description must be submitted to the District for further review and may result in a requirement for an Application for New Water Services. Changes to the project that are not submitted to and approved by the District may constitute a violation of District rules and regulations per District Code Section 6.20.110. An application for New Water Service with the District is required for any future New Development on the property.

After you initiate an application with the City, a Goleta Water District Application for Water Service including the application fee, project plans, and other supporting materials must be submitted to the District. Once the application has been deemed complete, District staff will review the application and issue a Preliminary Conditions Letter outlining the conditions for final approval of water service for the proposed project. Once the conditions of the Preliminary Conditions Letter, including the completion of design for any required Water System Improvements are met, the District may issue a Conditional Can and Will Serve Letter identifying any required conditions including deposits for construction and New Water Supply Charges due following issuance of the City of Goleta approved building permit. Prior to water service activation, the District will issue a Final Can and Will Serve Letter.

Please return the original copy of this form filled out by City of Goleta Planning and Environmental Service Department with the information requested on the next page. If you have any questions regarding this matter, contact me at (805) 879-4652.

Sincerely,



Jim Heaton
Water Resources Analyst
GOLETA WATER DISTRICT

TO BE FILLED OUT BY CITY OF GOLETA PLANNING AND ENVIRONMENTAL SERVICE DEPARTMENT:

Planner: _____

Case#: _____

Phone: _____

Date: _____

Description of Project (Please confirm description in this notice or note any changes or additions):

This project is subject to:

Ministerial _____ Discretionary _____

approval by the City of Goleta.

Planner Signature _____

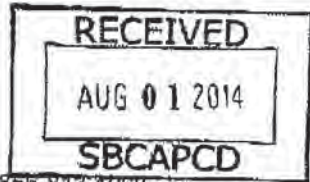
Note to Planner: Please return a copy of this complete form directly to the Goleta Water District.



Property Solutions INC.

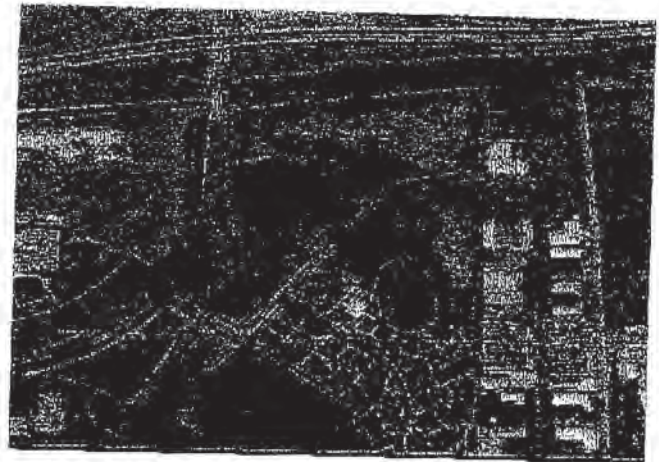
Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068



July 28, 2014

Santa Barbara County APCD
260 North San Antonio Road, Suite A
Santa Barbara, CA 93110-1315
Phone: (805) 961-8800
Fax: (805) 961-8801



**Re: Heritage Ridge - 16.2 Acres Undeveloped
near 50 Willow Springs Lane
NE of Los Carneros Road and Calle Koral
Parcel #s 073-060-031 through 073-060-043
Goleta, Santa Barbara CA 93117
Property Solutions Inc Project #20143233**

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of the property assessment, we wish to determine whether government agencies possess any records on the subject property or area wide issues that the property be included in that include potential environmental concerns. Please provide any information regarding any permits to operate, health risk assessments, air monitoring data, notice of violation, notice to comply, asbestos notification records.

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertyolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertyolutionsinc.com
856-813-3000 ext 245

<input checked="" type="checkbox"/>	No Files for subject property or address
Name:	Paula Iorio
Title:	AQ Permit Tech
Phone:	805-961-8867
X	
Signature	Date
	8-11-14

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Property Solutions INC.

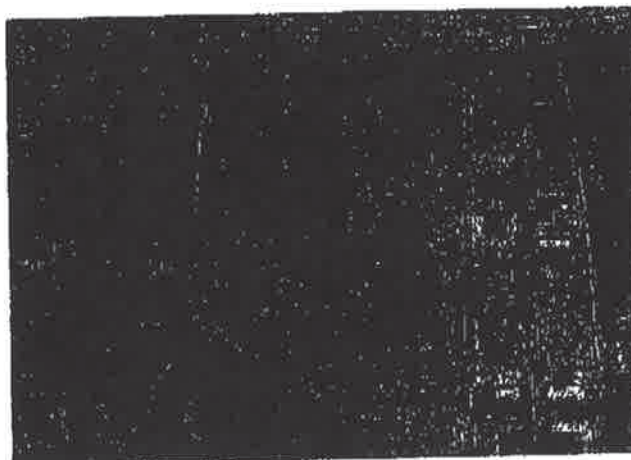
Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1088

July 28, 2014

Santa Barbara Environmental Health Services
225 Camino del Remedio
Telephone (805) 681-4900;
Fax (805) 681-4901

**Re: Heritage Ridge - 16.2 Acres Undeveloped
near 50 Willow Springs Lane
N E of Los Carneros Road and Calle Koral
Parcel #s 073-060-031 through 073-060-043
Goleta, Santa Barbara CA 93117
Property Solutions Inc Project #20143233**



Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of a property assessment, we wish to determine whether government agencies possess records on the subject property that may include potential environmental concerns. We request information on the following:

- ✓ • Permits, reports, and information for Underground or Aboveground Storage Tanks (UST/AST), oil / water separator or clarifier installation or removal any current or previous building at the property
- Lead based paint information, issues, or lead poisonings reported at the property
- Asbestos information, removal, or abatement at the property
- Environmental health code violations
- Permits for the installation or decommissioning of drinking water wells & septic systems
- Water supply concerns

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertyolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertyolutionsinc.com
856-813-3000 ext 245

<input checked="" type="checkbox"/>	No Files for subject property or address
Name:	<u>Racnel Moreno</u>
Title:	<u>A.P.P.I.</u>
Phone:	<u>805-681-4935</u>
	<u>7-30-14</u>
Signature	Date

RECEIVED

JUL 29 2014

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ENVIRONMENTAL HEALTH SERVICES



Property Solutions INC.

Environmental & Engineering Consulting

323 New Albany Road • Moorestown, New Jersey 08057 • 856-813-3000 • Fax 856-813-1068

July 28, 2014

State of California
Environmental Protection Agency – State Water Resource
Control Board – Region 3, Central Coast Region
895 Acrovista Place, Suite 101
San Luis Obispo, CA 93401
ATTN: Public Records Request
Phone: (805) 549-3147
Fax: (805) 543-0397
Email: N/A
Website: <http://www.swrcb.ca.gov/>



**Rc: Heritage Ridge - 16.2 Acres
Undeveloped**
near 50 Willow Springs Lane
N E of Los Carneros Road and Calle Koral
Parcel #s 073-060-031 through 073-060-043
Goleta, Santa Barbara CA 93117
Property Solutions Inc Project #20143233

RECEIVED
JUL 28 2014
State of California
Central Coast Water Board

Dear Freedom of Information Officer:

Property Solutions Inc. is conducting a Phase I Environmental Assessment of the aforementioned property. As part of the property assessment, we wish to determine whether government agencies possess any records on the subject property or area wide issues that the property be included in that include potential environmental concerns. Please provide any information regarding any AST / UST, PCBs, spills / releases, petroleum and hazardous materials use, storage, or disposal activities, vapor intrusion, and contaminated groundwater.

If you have any questions, please call me at 856-813-3000 ext 245, or email me at ecoordinator@propertyolutionsinc.com. If you have no information on the property, please fill in the box below and fax back to me at 856-813-1073. Thank you for your assistance.

Sincerely,
Property Solutions Inc.

Lyla Gray-Etherson, Environmental Coordinator
ecoordinator@propertyolutionsinc.com
856-813-3000 ext 245

*Can't search by APN
CONTACT Steve Dailor
805 346 8359*

<input checked="" type="checkbox"/>	No Files for subject property or address
Name:	<u>Adair</u>
Title:	<u>SW RCE</u>
Phone:	<u>805 549 3761</u>
X	<u>[Signature]</u> <u>7/28/14</u>
	Signature Date

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routed to Chris Adair 7-27-14

FEBRUARY 2013



INFORMATION
ABOUT YOUR WATER

Strict Federal and State Quality Regulations

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (Department) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. Department regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

How You Can Get Involved

Our District Board of Directors normally meets the second Tuesday of each month at 5:30 p.m. in the District Board Room at 4699 Hollister Avenue in Goleta. The public is always welcome to participate in these meetings.

For more information about your water, contact Tom Bunosky at (805) 879-4630.

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien.

CONSUMER CONFIDENCE REPORT Results of Extensive Water Quality Testing for 2012

We are pleased to provide you with this report on your water quality.

The report explains in detail how we maintain high quality standards, and offers other useful information, including a description of where your water comes from and answers to common questions about water quality and health issues.

Quality water starts with a quality supply. Your Water District is fortunate to receive most of its water supply from Lake Cachuma. Surrounded by Los Padres National forest, Lake Cachuma is well protected from urban and agricultural runoff.



In addition to Lake Cachuma, the District maintains a number of backup wells. The following wells were used in 2012: Airport, El Camino, University, San Antonio, San Marcos, and Sierra Madre.

Our State-Certified water treatment plant monitors your water quality around-the-clock.

We are committed to providing our customers with high-quality water at the lowest reasonable cost.

Results of 2012 Drinking Water Quality Tests

The tables to the right list drinking water contaminants and other substances detected during 2012. The District also tested for many additional substances that were not detected, and therefore are not listed in this report. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data is for testing done January 1–December 31, 2012.

PUBLIC NOTICE. In 2011 Goleta Water District did not monitor Sierra Madre Well #1 for Nitrate. The District is required to monitor the well even though it was not used during 2011. The District is required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards. Goleta Water District has since tested the well for nitrate and the results are less than the Maximum Contaminant Level (MCL).

Please share this information with all the other people who drink this water, especially those who may not have received this public notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail.

For additional information concerning the public notice contact Tom Bunosky, Operations Manager, Goleta Water District, 4699 Hollister Avenue, Goleta, CA 93110-1999, (805) 879-4630.

DEFINITIONS USED IN THE CHART:

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency.

Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Primary Drinking Water Standard (PDWS): MCLs and the MRDL for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Regulatory Action Level (AL): The concentration of a contaminant, which if exceeded, triggers treatment or other requirements which a water system must follow.

N/A: Not applicable.

ND: Not detected at testing limit.

ppb: Parts per billion or micrograms per liter.

ppm: Parts per million or milligrams per liter.

pCi/l: Picocuries per liter (a measure of radiation).

µmhos/cm: Micromhos per centimeter (an indicator of dissolved minerals in the water).

NTU: Nephelometric turbidity units.

Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.

FOOTNOTES TO THE CHART:

¹ Perchlorate is an inorganic chemical used in solid rocket propellant, fireworks, explosives, flares, matches, and a variety of industries. It usually gets into drinking water as a result of environmental contamination from historic aerospace or other industrial operations that used or use, store, or dispose of perchlorate and its salts.

² If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Goleta Water District is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

³ Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system.

⁴ Turbidity of the filtered water must: 1) Be less than or equal to 0.3 NTU in 95% of measurements in a month; 2) Not exceed 1.0 NTU.

⁵ Conventional surface water treatment plants must remove a certain percentage of the total organic carbon (TOC) in their raw intake water using a specialized enhanced coagulation treatment technique. The percentage removal required depends on raw water quality characteristics. For Goleta Water District's Corona del Mar Water Treatment Plant's raw water source, the required percentage was 15%. Due to the nature of Corona del Mar Water Treatment Plant's raw water, the water is non-amenable to removal of TOC via enhanced coagulation. Goleta Water District has a permitted waiver from this treatment requirement from the California Department of Public Health

⁶ Radon is a radioactive gas that you cannot see, taste, or smell. It is found throughout the U.S. Radon can move up through the ground and into a home through cracks and holes in the foundation. Radon can build up to high levels in all types of homes. Radon can also get into indoor air when released from tap water from showering, washing dishes, and other household activities. Compared to radon entering the home through soil, radon entering the home through tap water will in most cases be a small source of radon in indoor air. Radon is a known human carcinogen. Breathing air containing radon can lead to lung cancer. Drinking water containing radon may also cause increased risk of stomach cancer. If you are concerned about radon in your home, test the air in your home. Testing is inexpensive and easy. You should pursue radon removal for your home if the level of radon in your air is 4 picocuries per liter of air (pCi/L) or higher. There are simple ways to fix a radon problem that are not too costly. For additional information, call your State radon program (1-800-745-7236), the EPA Safe Drinking Water Act Hotline (1-800-426-4791), or the National Safety Council Radon Hotline (1-800-SOS-RADON).

NOTE: The State allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, are more than one year old. All of the surface water data presented in the tables are from samples taken in 2012, except for the following: The radiological data is from 2011. The radon data is from 2006. All of the groundwater data presented in the tables are from samples taken in 2012, except for the following from 2011 and 2012: aluminum, arsenic, fluoride, chloride, sulfate, alkalinity, bicarbonate, calcium, hardness, magnesium, potassium, and sodium. The radon data is from 2003 and 2006.

REGULATED CONTAMINANTS WITH PRIMARY MCLS							
INORGANIC	MCL	PHG (MCLG)	Surface Water Average	Surface Water Range	Groundwater Average	Groundwater Range	Typical Source of Contaminant
Aluminum (ppm)	1	0.6	0.049	0.035-0.066	0.050	ND-0.066	Erosion of natural deposits; residue from some surface water treatment processes
Arsenic (ppb)	10	0.004	2.4	N/A	ND	ND-2.4	Erosion of natural deposits; runoff from orchards; glass and electronics production
Fluoride (ppm)	2.0	1	0.33	N/A	0.33	0.26-0.40	Erosion of natural deposits
Nitrate as NO3 (ppm)	45	45	ND	N/A	5.9	ND-19	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Perchlorate (ppb)	6	6	ND	N/A	ND	ND-4.3	See footnote #1

RADIOLOGICAL							
Gross Alpha particle activity (pCi/l)	15	(0)	ND	N/A	ND	ND-5.08	Erosion of natural deposits
Radium 228 (pCi/l)	5	0.019	1.44	N/A	ND	ND-ND	Erosion of natural deposits
Uranium (pCi/l)	20	0.43	1.2	N/A	1.4	ND-5.3	Erosion of natural deposits

LEAD AND COPPER RULE	MCL	PHG (MCLG)	90th Percentile Value	# of Sample Sites	# of Sites Exceeding Action Level	Typical Source of Contaminant
Copper (ppm)	AL = 1.3	0.3	0.60	34	0	Internal corrosion of household plumbing
Lead ² (ppb)	AL = 15	0.2	ND	34	0	Internal corrosion of household plumbing

MICROBIOLOGICAL	MCL	PHG (MCLG)	Highest Single Measurement	Lowest Percentage of Samples Meeting TT	Typical Source of Contaminant
Turbidity ³ (NTU)	TT ⁴	N/A	0.094	100%	Soil runoff

DISINFECTION BYPRODUCTS (DBP), DISINFECTANT RESIDUALS, AND DISINFECTION BYPRODUCT PRECURSORS	MCL or [MRDLG]	PHG (MCLG) or [MRDLG]	System Average	System Range	Typical Source of Contaminant
TTHMs [Total Trihalomethanes] (ppb)	80	N/A	55.3	4.6-66.0	Byproduct of drinking water disinfection
Haloacetic Acids (ppb)	60	N/A	22.0	ND-26.0	Byproduct of drinking water disinfection
Chlorine (ppm)	[MRDL = 4.0 (as Cl ₂)]	[MRDLG = 4.0 (as Cl ₂)]	1.18	0.35-2.14	Drinking water disinfectant added for treatment
Control of DBP precursors (TOC in ppm)	TT ⁵	N/A	2.7	2.5-2.9	Various natural and manmade sources

REGULATED CONTAMINANTS WITH SECONDARY MCLS						
CONSTITUENT	Secondary MCL	Surface Water Average	Surface Water Range	Groundwater Average	Groundwater Range	Typical Source of Contaminant
Chloride (ppm)	500	17.5	17-18.0	106	16-450	Runoff/leaching from natural deposits; seawater influence
Color (units)	15	ND	ND-5	ND	ND-7.5	Naturally occurring organic materials
Copper (ppm)	1.0	ND	N/A	ND	ND-0.130	Internal corrosion of household plumbing
Iron (ppb)	300	ND	N/A	ND	ND-260	Leaching from natural deposits; industrial wastes
Manganese (ppb)	50	ND	N/A	ND	ND-36	Leaching from natural deposits
Odor—Threshold (units)	3	1	1-3	1	1-3	Naturally-occurring organic materials
Specific Conductance (µmhos/cm)	1600	879	815-1527	1188	864-1980	Substances that form ions when in water
Sulfate (ppm)	500	270	N/A	228	110-260	Runoff/leaching from natural deposits
Total Dissolved Solids (ppm)	1000	584	567-600	850	600-1500	Runoff/leaching from natural deposits
Turbidity (NTU)	5	0.133	0.050-0.789	0.170	0.012-1.37	Soil runoff

OTHER CONSTITUENTS					
CONSTITUENT	Surface Water Average	Surface Water Range	Groundwater Average	Groundwater Range	
Alkalinity (ppm as CaCO ₃)	161	141-172	240	160-320	Variance: Goleta Water District (GWD) serves unfiltered Lake Cachuma water to about 33 connections on the Goleta West Conduit. The water receives chlorination treatment but does not comply with the Surface Water Treatment Rule (SWTR). The State Department of Public Health allows GWD to provide bottled water to these customers for drinking and cooking. GWD notifies these consumers quarterly that the water delivered is not in compliance with the SWTR and should not be consumed.
Bicarbonate (ppm)	180	N/A	295	200-380	
Calcium (ppm)	72	N/A	133	90-190	
Hardness (ppm as CaCO ₃)	347	306-450	490	390-640	
Hexavalent Chromium (ppb)	ND	ND-0.027	0.26	ND-1.5	
Magnesium (ppm)	41	N/A	38	34-41	
pH (units)	7.29	6.81-7.60	7.12	6.88-7.43	
Potassium (ppm)	3.1	N/A	2.7	1.6-4.2	
Radon ⁶ (pCi/l)	ND	N/A	384	130-853	
Sodium (ppm)	44	N/A	70	42-110	

Source Water Assessment

A source water assessment is an important tool for protecting water quality. It identifies how potential contaminants can affect a water source, and potential contamination vulnerabilities. A source water assessment is required for surface water every five years. The most recent one was completed for Lake Cachuma in March 2011. An assessment of all active District groundwater wells was completed in January 2002, and an assessment of the Sierra Madre Well was completed in April 2003. Operating conditions surrounding the wells have not changed since that time, so an updated assessment has not been necessary. Copies of the completed assessments are available at the District's main office. You may request a summary of the assessments by contacting Tom Bunosky, District Operations Manager at (805) 879-4630.

Drinking Water Info.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline (1-800-426-4791).



How We Provide Top Quality Water

State Certified Operators and Round-the-Clock Monitoring. Our water treatment operators are all state-certified water treatment professionals and are on the job every day to ensure your water always meets quality standards.

Extensive Testing. The District conducts thousands of tests each year, using automated test equipment that continually analyzes water at different steps in the treatment process. Other tests are conducted in our own laboratory and also by independent state-certified laboratories.

Modern Updated Treatment Plant. The District carried out significant improvements to the treatment plant in 2000 and 2007. Currently, the District is preparing for another round of major upgrades. These upgrades and operational improvements will enable the District to continue providing cost-effective, quality service.

Backup Systems to Ensure Quality. The treatment plant includes backup equipment for key systems to increase reliability during emergencies, high-water-use days, and during maintenance or interruptions.

Water in the Environment

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application and septic systems.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

People With Sensitive Immune Systems

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

The District's testing is extremely accurate. Based on the substance, we can detect to the equivalent of one hundredth of a part in a billion parts of water. This is the equivalent to finding one drop of a substance in 1,300,000 gallons of water.

93117

FACILITY INFORMATION	AFS	ACRES	BR	CERCLIS	GHG	PCS/ICIS	RAD Info	RCRA Info	TRI	TSCA
<p>AERA MOLINO UNIT 14900 CALLE REAL GOLETA, CA 93117 Latitude: 34.47749 Longitude: -120.14188</p> <p>Summary Report Facility Report</p> <p>Compliance Report</p>								<p>View Report</p>		
<p>AGILITY COMMUNICATIONS 475 PINE AVENUE GOLETA, CA 93117-3709 Latitude: 34.43274 Longitude: -119.82665</p> <p>Summary Report Facility Report</p> <p>Compliance Report</p>			<p>View Report</p>					<p>View Report</p>	<p>View Report</p>	
<p>ALTERNATIVE GRAPHICS INC 5777 HOLLISTER AVE GOLETA, CA 93117 Latitude: 34.4358 Longitude: -119.82586</p> <p>Summary Report Facility Report</p> <p>Compliance Report</p>								<p>View Report</p>		
<p>APPLIED MAGNETICS CORP 6300 HOLLISTER AVE. GOLETA, CA 93117 Latitude: 34.43239 Longitude: -119.84302</p> <p>Summary Report Facility Report</p> <p>Compliance Report</p>								<p>View Report</p>	<p>View Report</p>	
<p>APPLIED MAGNETICS CORP 759 WARD DR GOLETA, CA 93117 Latitude: 34.427672 Longitude: -119.82186</p> <p>Summary Report Facility Report</p> <p>Compliance Report</p>								<p>View Report</p>		
<p>ARGUELLO INC PLATFORM HERMOSA OCS LEASE PLATFORM 316 HERMOSA GOLETA, CA 93117 Latitude: 34.95954 Longitude: -120.439922</p> <p>Summary Report Facility Report</p> <p>Compliance Report</p>			<p>View Report</p>					<p>View Report</p>		
<p>AUTO PARTS CO 303 MAGNOLIA AVE GOLETA, CA 93117 Latitude: 34.434814 Longitude: -119.827557</p> <p>Summary Report Facility Report</p> <p>Compliance Report</p>								<p>View Report</p>		
<p>AVIS RENT A CAR 5680 HOLLISTER AVE GOLETA, CA 93117 Latitude: 34.43561 Longitude: -119.82246</p> <p>Summary Report Facility Report</p> <p>Compliance Report</p>								<p>View Report</p>		
<p>BARDEX CORP 6338 LINDMAR DRIVE GOLETA, CA 93117-3112 Latitude: 34.43548 Longitude: -119.84464</p> <p>Summary Report Facility Report</p> <p>Compliance Report</p>								<p>View Report</p>		
<p>BEI INDUSTRIAL ENCODER DIVISION 7230 HOLLISTER AVE GOLETA, CA 93117 Latitude: 34.43001 Longitude: -119.87912</p> <p>Summary Report Facility Report</p>								<p>View Report</p>		

Compliance Report

BIX USED FURNITURE
399 S ORANGE ST GOLETA, CA 93117
Latitude: 34.43391 Longitude: -119.82891

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Summary Report Facility Report

Compliance Report

CENTRAL COAST ANAL SVC OF SB
6483 D CALLE REAL GOLETA, CA 93117-1541
Latitude: 34.440058 Longitude: -119.85217

[View](#)
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Summary Report Facility Report

Compliance Report

CENTRAL COAST ANALYTICAL SERV
751 S KELLOGG AVE STE A GOLETA, CA 93117-3832
Latitude: 34.42861 Longitude: -119.82394

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Summary Report Facility Report

Compliance Report

CHEVRON GAVIOTA OIL/GAS, DESAL OFFSHORE NEAR HWY 101 GAVIOTA, CA 93117
Latitude: 34.458111 Longitude: -120.211889

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Compliance Report

CHEVRON STATION 9 4268
7952 HOLLISTER AVE GOLETA, CA 93117
Latitude: 34.43104 Longitude: -119.9058

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Summary Report Facility Report

Compliance Report

CHEVRON STATION 92580
6895 HOLLISTER AVE GOLETA, CA 931173017
Latitude: 34.4301 Longitude: -119.86917

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[Report](#)

Summary Report Facility Report

Compliance Report

CHEVRON STATION NO 94419
6470 HOLLISTER AVE GOLETA, CA 931173113
Latitude: 34.43085 Longitude: -119.85435

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[Report](#)

Summary Report Facility Report

Compliance Report

CORONA DEL MAR WATER TREATMENT PLANT
1510 GLEN ANNIE ROAD GOLETA, CA 93117-1424
Latitude: 34.474121 Longitude: -119.881684

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Summary Report Facility Report

Compliance Report

COSTCO WHOLESALE NO 474
7095 MARKETPLACE DR GOLETA, CA 93117-5905
Latitude: 34.42791 Longitude: -119.87348

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Summary Report Facility Report

Compliance Report

COUNTY OF SANTA BARBARA-TAJIGUAS LANDFIL
4700 HIGHWAY 101 23 MILES WEST SANTA BARBARA GAVIOTA, CA 93117

[View](#)
[Report](#)

Latitude: 34.524526 Longitude:
-120.070094

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CVS PHARMACY NO 9156
5875 CALLE REAL GOLETA, CA 93117

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Latitude: 34.441445 Longitude:
-119.827196

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DELCO DEFENSE SYSTEMS OPERATION
7406 HOLLISTER AVE GOLETA, CA
931172583

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Latitude: 34.429842 Longitude:
-119.887405

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[Compliance Report](#)

DELCO SYSTEMS OPERATIONS
6767 HOLLISTER AVE GOLETA, CA
93117-2583

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Latitude: 34.43028 Longitude: -119.86375

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DMA SYSTEMS CORP
601 PINE ST GOLETA, CA 93117-3817

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Latitude: 34.43119 Longitude: -119.82646

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

DOLLAR ROOFING
6326 LINDMAR DR GOLETA, CA 93117

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Latitude: 34.43572 Longitude: -119.84362

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[Compliance Report](#)

DRIPCUT CORP
400 RUTHERFORD AVE GOLETA, CA
93117-3702

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Latitude: 34.43312 Longitude: -119.82548

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DUPONT DISPLAYS
6780 CORTONA DR GOLETA, CA
931173022

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Latitude: 34.43226 Longitude: -119.86523

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

DUPONT DISPLAYS, INC
6755 HOLLISTER AVENUE GOLETA, CA
93117-5551

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Latitude: 34.43026 Longitude:
-119.865072

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[Compliance Report](#)

E G & G ENERGY MEASUREMENTS INC
820 FRANCIS BOTELLO RD GOLETA, CA
93117-3257

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Latitude: 34.435899 Longitude:
-119.837974

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

ELECTROMATIC, INC.

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789 SOUTH KELLOGG AVE GOLETA, CA
93117-3884

[Report](#)

[Report](#)

Latitude: 34.42814 Longitude: -119.82433

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

ENERPRO INC
5780 THORNWOOD DR GOLETA, CA
93117-3822

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Report](#)

Latitude: 34.430351 Longitude:
-119.825742

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EXXONMOBIL PROD.- LAS FLORES
CANYON TREATING PLANT
12000 CALLE REAL GOLETA, CA
931170000

[View
Report](#)

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Report](#)

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Report](#)

[View
Report](#)

Latitude: 34.48314 Longitude: -120.04034

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EXXONMOBIL SANTA YNEZ FACILITY
12000 CALLE REAL GOLETA, CA 93117

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Report](#)

Latitude: 34.46462 Longitude: -120.03883

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FAIRVIEW CENTER
163 N FAIRVIEW AVE GOLETA, CA
931172304

[View
Report](#)

Latitude: 34.442464 Longitude:
-119.830473

[Summary Report](#) [Facility Report](#)

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FAIRVIEW UNOCAL
42 N FAIRVIEW GOLETA, CA 93117-2307
Latitude: 34.44115 Longitude: -119.83064

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Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

FERRO CORP ELECTRONIC MATERIALS
DIV
27 CASTILIAN DRIVE SANTA BARBARA,
CA 93117

[View
Report](#)

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Report](#)

Latitude: 34.433598 Longitude:
-119.864778

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

FLIR SYSTEMS CVS DIV DETECTOR
OPERATIONS
5756 THORNWOOD DR GOLETA, CA
93117

[View
Report](#)

Latitude: 34.429593 Longitude:
-119.825391

[Summary Report](#) [Facility Report](#)

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GAVIOTA DISTRICT
10 REFUGIO BEACH RD GOLETA, CA
93117

[View
Report](#)

Latitude: 34.46353 Longitude:
-120.065487

[Summary Report](#) [Facility Report](#)

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GAVIOTA OIL AND GAS PLANT
17100 CALLE MARIPOSA REINA GOLETA,
CA 93117

[View
Report](#)

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Report](#)

Latitude: 34.474546 Longitude:
-120.205802

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GENERAL TELEPHONE OF CA
75 ELLWOOD STATION RD GOLETA, CA
93117

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Report](#)

Latitude: 34.434491 Longitude:
-119.885114

[Summary Report](#) [Facility Report](#)

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GOLETA AUTO BODY
100 DAVID LOVE GOLETA, CA 93117

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Report](#)

Latitude: 34.437038 Longitude:
-119.838972

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

GOLETA SD WWTP
1 WILLIAM MOFFETT PLACE GOLETA, CA
93117-3901

[View
Report](#)

Latitude: 34.424611 Longitude:
-119.836083

[Summary Report](#) [Facility Report](#)

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HANSON AGGREGATES
50 S KELLOGG GOLETA, CA 93117-3417

[View
Report](#)

Latitude: 34.43886 Longitude:
-119.820173

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

HEI MAC MOTORS
5590 HOLLISTER AVE GOLETA, CA 93117

[View
Report](#)

Latitude: 34.4358 Longitude: -119.82039

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HOWDEN FLUID SYSTEMS
87 SANTA FELICIA DR GOLETA, CA
931172893

[View
Report](#)

Latitude: 34.43162 Longitude: -119.87592

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[Compliance Report](#)

HSG AUTH SANTA BARBARA CO
6565 6575 PICASSO GOLETA, CA 93117-
4630

[View
Report](#)

Latitude: 34.4151 Longitude: -119.85702

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[Compliance Report](#)

HSG AUTH SANTA BARBARA CO
332 ELLWOOD BEACH GOLETA, CA
93117-2768

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Report](#)

Latitude: 34.42636 Longitude: -119.88564

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

HSG AUTH SANTA BARBARA CO
301 ELLWOOD BEACH GOLETA, CA
93117-2743

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Report](#)

Latitude: 34.4273 Longitude: -119.88565

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HSG AUTHORITY SANTA BARBARA
COUNTY OF

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145 ORANGE GOLETA, CA 93117-3356
Latitude: 34.43692 Longitude: -119.82899

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

HSG AUTHORITY SANTA BARBARA
COUNTY OF
120 MAGNOLIA AVE GOLETA, CA 93117
Latitude: 34.43703 Longitude: -119.82793

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

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HYDRANAUTICS A ROHN & HAAS CO
95 LA PATERA LANE GOLETA, CA 93117-3246
Latitude: 34.435031 Longitude: -119.84185

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[Compliance Report](#)

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INDIGO SYSTEMS CORP
5756 THORWOOD DRIVE GOLETA, CA 93117-3802
Latitude: 34.429659 Longitude: -119.825177

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INFORMATION MAGNETICS CORP
5743 THORNWOOD DRIVE GOLETA, CA 93117-3801
Latitude: 34.42868 Longitude: -119.82537

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

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INFORMATION MAGNETICS CORPORATION
460 WARD DRIVE GOLETA, CA 93117
Latitude: 34.43261 Longitude: -119.81967

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[Compliance Report](#)

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INNOVATIVE MICRO TECHNOLOGY
75 ROBIN HILL ROAD GOLETA, CA 93117-3108
Latitude: 34.43614 Longitude: -119.84641

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INTERNATIONAL TRANSDUCER CORP
640 MC CLOSKEY PL GOLETA, CA 93117
Latitude: 34.434854 Longitude: -119.836491

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[Compliance Report](#)

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INTRI PLEX STAMPING INC
751 S KELLOGG AVE STE B GOLETA, CA 93117
Latitude: 34.42861 Longitude: -119.82394

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ISLA VISTA SCHOOL
6875 EL COLEGIO ROAD GOLETA, CA 93117-4399
Latitude: 34.41736 Longitude: -119.86892

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J S GRAPHIX INC

[View](#)

136 AERO CAMINO GOLETA, CA 93117
Latitude: 34.4334 Longitude: -119.84847

[Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

JENKINS ENTERPRISE INC
375 PINE #25 GOLETA, CA 93117-3701
Latitude: 34.43403 Longitude: -119.82663

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[Compliance Report](#)

JET CENTER AT SANTA BARBARA
495 SOUTH FAIRVIEW AVENUE UNIT B
GOLETA, CA 93117-3682

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[Report](#)

Latitude: 34.432649 Longitude:
-119.830502

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JIFFY LUBE P C J L INC
6017 HOLLISTER AVE GOLETA, CA 93117
Latitude: 34.435897 Longitude:

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[Report](#)

-119.831094

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

JOE REDFORD'S TOYOTA
5611 HOLLISTER AVENUE GOLETA, CA
93117-3423

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Latitude: 34.435645 Longitude:
-119.820765

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

JOSLYN ELECTRONIC SYSTEMS
CORPORATION
6868 CORTONA DRIVE GOLETA, CA
93117-3021

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[Report](#) [Report](#)

Latitude: 34.43176 Longitude: -119.86801

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KELLOGG SCHOOL
475 CAMBRIDGE DRIVE GOLETA, CA
93117-2199

[View](#)
[Report](#)

Latitude: 34.44709 Longitude: -119.82038

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

KIDDE DUAL SPECTRUM FORMER
SANTA BARBARA RESEARCH CENTER
163 AERO CAMINO GOLETA, CA 93117
Latitude: 34.43223 Longitude: -119.84842

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[Summary Report](#) [Facility Report](#)

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KINGS ROAD CLEANERS
5741 CALLE REAL GOLETA, CA 93117
Latitude: 34.441266 Longitude:

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[Report](#)

-119.823685

[Summary Report](#) [Facility Report](#)

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LIFECEL TECHNOLOGY
75 ROBIN HILL RD GOLETA, CA
931173108
Latitude: 34.43614 Longitude: -119.84641

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[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

LIGHTNING PROTECTION CORP
5750 THORNWOOD DR GOLETA, CA

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[Report](#)

93117

Latitude: 34.429366 Longitude:
-119.825396

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

LITTON GUIDANCE AND CONTROL SYSTEMS
6769 HOLLISTER AVENUE GOLETA, CA
93117-3001

Latitude: 34.43024 Longitude: -119.86581

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LOCKHEED MARTIN S B F
346 BOLLAY DR GOLETA, CA 93117
Latitude: 34.428045 Longitude:
-119.868364

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LOS PADRES NAT'L FOREST
6144 CALLE REAL GOLETA, CA 93117
Latitude: 34.4395 Longitude: -119.83551

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[Compliance Report](#)

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LUCAS AVIATION INC
495 S FAIRVIEW AVE GOLETA, CA 93117
Latitude: 34.43304 Longitude: -119.83062

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MARI PRO
1440 COOK PLACE GOLETA, CA 93117-3140
Latitude: 34.430554 Longitude:
-119.84374

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MCGHAN MEDICAL CORPORATION
71 S LOS CARNEROS GOLETA, CA
93117-5506
Latitude: 34.43297 Longitude: -119.85686

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MENTOR H/S INC
600 PINE AVE. GOLETA, CA 93117
Latitude: 34.43168 Longitude: -119.82656

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MERCURY AIR CENTER
424 WILLIAM MOFFET PL GOLETA, CA
93117
Latitude: 34.417805 Longitude:
-119.831608

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[Compliance Report](#)

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MERCURY REFUELING INC
424 WILLIAM MOFFETT PL GOLETA, CA
93117
Latitude: 34.417805 Longitude:
-119.831608

[Summary Report](#) [Facility Report](#)

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MIRAVANT MEDICAL TECHNOLOGIES
7408 HOLLISTER AVE GOLETA, CA 93117
Latitude: 34.42984 Longitude: -119.88783

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MIRAVANT MEDICAL TECHNOLOGIES
336 BOLLAY DR GOLETA, CA 93117
Latitude: 34.42707 Longitude: -119.8682

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MOSELEY ASSOCIATES INC
111 CASTILIAN DR GOLETA, CA 93117
Latitude: 34.43297 Longitude: -119.86123

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NATIONAL AUTOBODY
905 S KELLOGG GOLETA, CA 93117-3833
Latitude: 34.4279 Longitude: -119.824525

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NEAL FEAY COMPANY
133 LA PATERA GOLETA, CA 93117-3291
Latitude: 34.43437 Longitude: -119.8417

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[Compliance Report](#)

OESTE POWER GEN
30 N LAS ARMAS RD GOLETA, CA 93117
Latitude: 34.430507 Longitude:
-119.900473

[View](#)
[Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

OROSCO CUSTOM PLATING WORKS
602 PINE AVE GOLETA, CA 93117
Latitude: 34.431429 Longitude:
-119.826498

[View](#)
[Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

PACIFIC OFFSHORE PIPELINE COMPANY
GAS PLANT
12100 CALLE REAL GOLETA, CA
931179762
Latitude: 34.48213 Longitude: -120.0433

[View](#)
[Report](#)

[View](#)
[Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

PHILLIPS PETROLEUM TAJIGUAS GAS
DRY FC
14099 CALLE REAL GOLETA, CA 93117
Latitude: 34.467363 Longitude:
-120.107109

[View](#)
[Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

PK ENGINEERING & MFG CO INC
5728 THORNWOOD DR GOLETA, CA
93117
Latitude: 34.428559 Longitude:
-119.825299

[View](#)
[Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

PLATFORM HERMOSA
OCS LEASE PLATFORM 316 HERMOSA

[View](#)
[Report](#)

GOLETA, CA 93117

Latitude: 34.95954 Longitude:
-120.439922

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

PRECISION AUTO BODY

57 S FAIRVIEW GOLETA, CA 93117-3323
Latitude: 34.43809 Longitude: -119.83063

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

[View Report](#)

PRESTIGIOUS AUTO BODY

264 S ORANGE AVE GOLETA, CA 93117-3603
Latitude: 34.43459 Longitude: -119.82893

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

[View Report](#)

PS MEDICAL

125 B CREMONA DRIVE GOLETA, CA 93117-5500
Latitude: 34.432195 Longitude: -119.857318

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

[View Report](#)

RAYTHEON

7418 HOLLISTER AVENUE GOLETA, CA 93117-2583
Latitude: 34.42981 Longitude: -119.889541

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

[View Report](#)

RAYTHEON CO ELECTRONIC SYSTEMS DIVISION

7 S. LOS CARNEROS RD. GOLETA, CA 93117
Latitude: 34.436501 Longitude: -119.85339

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

[View Report](#) [View Report](#)

RAYTHEON COMPANY

93 CASTILLIAN DRIVE GOLETA, CA 93117-3026
Latitude: 34.43339 Longitude: -119.86167

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

[View Report](#)

RAYTHEON ELECTRONIC WARFARE

6380 HOLLISTER AVENUE GOLETA, CA 93117-3114
Latitude: 34.43173 Longitude: -119.84617

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

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RAYTHEON SYSTEMS CO

44 CASTILLIAN DR B8 GOLETA, CA 93117-3027
Latitude: 34.43372 Longitude: -119.86458

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

[View Report](#)

[View Report](#)

RAYTHEON VISION SYSTEMS

75 COROMAR DRIVE GOLETA, CA 93117-3088
Latitude: 34.43108 Longitude: -119.86367

[Summary Report](#) [Facility Report](#)

[View Report](#)

[View Report](#) [View Report](#)

Compliance Report

RENCO CORP
26 COROMAR DR GOLETA, CA 93117-3094
Latitude: 34.43171 Longitude: -119.86357

[View Report](#)

[Summary Report](#) [Facility Report](#)

Compliance Report

RIDAL CORP
57 AERO CAMINO GOLETA, CA 93117
Latitude: 34.43544 Longitude: -119.84854

[View Report](#)

[Summary Report](#) [Facility Report](#)

Compliance Report

RITE AID 5791
199 N FAIRVIEW AVE GOLETA, CA 93117
Latitude: 34.44307 Longitude: -119.83068

[View Report](#)

[Summary Report](#) [Facility Report](#)

Compliance Report

SANTA BARBARA CHRYSLER JEEP
6290 HOLLISTER AVE GOLETA, CA 93117
Latitude: 34.43303 Longitude: -119.84073

[View Report](#)

[Summary Report](#) [Facility Report](#)

Compliance Report

SANTA BARBARA CITY AIRPORT
450 MARXMILLER RD GOLETA, CA 93117
Latitude: 34.433543 Longitude: -119.834661

[View Report](#)

[Summary Report](#) [Facility Report](#)

Compliance Report

SANTA BARBARA FOCAL PLANE
69 SANTA FELICIA DR GOLETA, CA 93117
Latitude: 34.43184 Longitude: -119.87593

[View Report](#)

[Summary Report](#) [Facility Report](#)

Compliance Report

SANTA BARBARA HONDA
475 S KELLOGG AVE GOLETA, CA 93117-3807
Latitude: 34.432689 Longitude: -119.820764

[View Report](#)

[Summary Report](#) [Facility Report](#)

Compliance Report

SANTA BARBARA NEWS PRESS PLANT
725 SOUTH KELLOGG AVE SANTA BARBARA, CA 93117-3806
Latitude: 34.42977 Longitude: -119.82298

[View Report](#)

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[Summary Report](#) [Facility Report](#)

Compliance Report

SANTA BARBARA NISSAN
425 S KELLOGG AVE GOLETA, CA 93117
Latitude: 34.433537 Longitude: -119.82052

[View Report](#)

[Summary Report](#) [Facility Report](#)

Compliance Report

SANTA BARBARA RESEARCH CENTER
6800 CORTONA DR GOLETA, CA 93117
Latitude: 34.43226 Longitude: -119.86631

[View Report](#)

[Summary Report](#) [Facility Report](#)

Compliance Report

SANTA YNEZ APT MAINTENANCE
6750 EL COLEGIO RD GOLETA, CA

[View Report](#)

93117

Latitude: 34.417445 Longitude:
-119.86466

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

SBBP WATER CO

346S STORKE RD GOLETA, CA 93117

Latitude: 34.42661 Longitude: -119.8697

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

[View Report](#)

SCE SANTA BARBARA SVC CTR

103 DAVID LOVE PLACE GOLETA, CA

93117

Latitude: 34.43646 Longitude: -119.83887

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

[View Report](#)

[View Report](#)

SCHULZ ENGINEERING CORP

5785 THORNWOOD DRIVE GOLETA, CA

93117-3801

Latitude: 34.42968 Longitude: -119.82539

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

[View Report](#)

SHELL SERVICE STATION

55 NORTH FAIRVIEW GOLETA, CA 93117-

2306

Latitude: 34.44128 Longitude: -119.83064

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

[View Report](#)

SIGNATURE CLEANERS

6831 HOLLISTER AVE GOLETA, CA 93117

Latitude: 34.430223 Longitude:

-119.867003

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

[View Report](#)

SKATEONE CORP

30 S LAPATERA LN GOLETA, CA 93117

Latitude: 34.43669 Longitude: -119.84224

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

[View Report](#)

SO CAL GAS- LA GOLETA

1171 MORE ROAD GOLETA, CA 93117

Latitude: 34.438666 Longitude:

-119.626016

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

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[View Report](#)

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SORAA INC. DBA KAAI, INC.

485 PINE AVE GOLETA, CA 93117

Latitude: 34.432656 Longitude:

-119.82665

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

[View Report](#)

[View Report](#)

SORENSEN PRECISION

6409 CAMINO VISTA UNIT C GOLETA, CA

93117-3137

Latitude: 34.435053 Longitude:

-119.848853

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

[View Report](#)

SUPERCONDUCTOR TECHNOLOGIES

INC

150 AERO CAMINO GOLETA, CA 93117

Latitude: 34.43265 Longitude: -119.84844

[View Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

TAJIGUAS PLANT
14470 CALLE REAL GAVIOTA, CA 93117
Latitude: 34.4795 Longitude: -120.1278

[View Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

TED SING LTD FURN STRIPPING REFIN
5915 DALEY ST GOLETA, CA 93117
Latitude: 34.43091 Longitude: -119.82941

[View Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

THE HOME DEPOT NO 6623
6975 MARKET PLACE DR GOLETA, CA 93117
Latitude: 34.427165 Longitude: -119.873474

[View Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

TRACOR AVIATION
165 CASTILIAN DR GOLETA, CA 93117
Latitude: 34.431294 Longitude: -119.860102

[View Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

TRANSPHORM INC.
115 CASTILIAN DRIVE GOLETA, CA 93117
Latitude: 34.432878 Longitude: -119.861133

[View Report](#)

[View Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

TRANSPHORM INC
107 LA PATERA LN GOLETA, CA 93117
Latitude: 34.43956 Longitude: -119.842939

[View Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

TRISEP CORPORATION
6325 LINDMAR DR GOLETA, CA 93117
Latitude: 34.43576 Longitude: -119.84342

[View Report](#)

[View Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

UNIVERSITY OF CALIFORNIA, SANTA BARBARA
6740 CORTONA DRIVE GOLETA, CA 93117-5574
Latitude: 34.43234 Longitude: -119.86291

[View Report](#)

[View Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

VELO PRO CYCLERY
5880 C HOLLISTER AVE GOLETA, CA 93117-3612
Latitude: 34.436039 Longitude: -119.828386

[View Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

VENOCO S. ELLWOOD ONSHORE OIL AND GAS PLANT
7979 HOLISITER AVE. GOLETA, CA 93117
Latitude: 34.431111 Longitude: -119.911667

[View Report](#)

[View Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

VENOCO-ELLWOOD (BEACHFRONT LEASE)
LEASE 421 - BEACHFRONT GOLETA, CA 93117
Latitude: 34.4317 Longitude: -119.9074

[View Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

VENOCO-ELLWOOD-PLATFORM HOLLY COAL OIL POINT OFFSHORE PLATFORM
GOLETA, CA 93117
Latitude: 34.429167 Longitude: -119.911944

[View Report](#)

[View Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

VIMATEK AUTOMOTIVE
5662 CALLE REAL GOLETA, CA 93117
Latitude: 34.441151 Longitude: -119.822135

[View Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

VISCARRAS REFINISHING
6489 CALLE REAL SUITE F GOLETA, CA 93117-1538
Latitude: 34.43983 Longitude: -119.85148

[View Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

WEDDLE INDUSTRIES
700 BECKNELL RD UNIT A GOLETA, CA 93117-3254
Latitude: 34.435064 Longitude: -119.836904

[View Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

WESTERN DESIGN CORP
72 SANTA FELICIA DR GOLETA, CA 931172893
Latitude: 34.43193 Longitude: -119.87593

[View Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

WESTERN FARM SERV COASTAL DIV
10 KELLOGG AVE GOLETA, CA 93117-3462
Latitude: 34.44009 Longitude: -119.81995

[View Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

WESTERN FARM SERVICE INC
35 S KELLOGG AVE GOLETA, CA 93117-3416
Latitude: 34.43983 Longitude: -119.81994

[View Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

WORLD OIL CO
5648 HOLLISTER GOLETA, CA 93117-3424
Latitude: 34.43566 Longitude: -119.82213

[View Report](#)

[Summary Report](#) [Facility Report](#)

[Compliance Report](#)

WORLD OIL MARKETING CO NO 104
5960 CALLE REAL GOLETA, CA 93117
Latitude: 34.44164 Longitude: -119.83038

[View Report](#)

Summary Report Facility Report

Compliance Report

APPENDIX J
ENVIRONMENTAL DATABASE



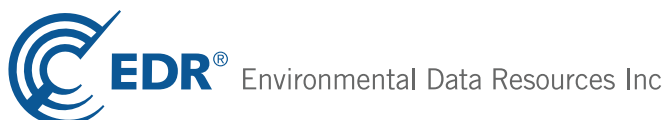
Heritage Ridge

Los Carneros Road and Calle Koral
Goleta, CA 93117

Inquiry Number: 4020046.2s

July 29, 2014

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	246
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-15
Physical Setting Source Map Findings	A-17
Physical Setting Source Records Searched	PSGR-1

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 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

LOS CARNEROS ROAD AND CALLE KORAL
GOLETA, CA 93117

COORDINATES

Latitude (North): 34.4357000 - 34° 26' 8.52"
Longitude (West): 119.8515000 - 119° 51' 5.40"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 237977.0
UTM Y (Meters): 3813960.2
Elevation: 36 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 34119-D7 GOLETA, CA
Most Recent Revision: 1988

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20120505
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

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:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls
LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

UST..... Active UST Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Program Properties
INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

ODI.....	Open Dump Inventory
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
SWRCY.....	Recycler Database
HAULERS.....	Registered Waste Tire Haulers Listing
INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands
WMUDS/SWAT.....	Waste Management Unit Database

Local Lists of Hazardous waste / Contaminated Sites

US CDL.....	Clandestine Drug Labs
SCH.....	School Property Evaluation Program
Toxic Pits.....	Toxic Pits Cleanup Act Sites
CDL.....	Clandestine Drug Labs
US HIST CDL.....	National Clandestine Laboratory Register

Local Land Records

LIENS 2.....	CERCLA Lien Information
LIENS.....	Environmental Liens Listing
DEED.....	Deed Restriction Listing

Records of Emergency Release Reports

HMIRS.....	Hazardous Materials Information Reporting System
CHMIRS.....	California Hazardous Material Incident Report System
LDS.....	Land Disposal Sites Listing
MCS.....	Military Cleanup Sites Listing
SPILLS 90.....	SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOT OPS.....	Incident and Accident Data
DOD.....	Department of Defense Sites
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
US MINES.....	Mines Master Index File
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
RMP.....	Risk Management Plans
CA BOND EXP. PLAN.....	Bond Expenditure Plan
UIC.....	UIC Listing

EXECUTIVE SUMMARY

NPDES.....	NPDES Permits Listing
DRYCLEANERS.....	Cleaner Facilities
WIP.....	Well Investigation Program Case List
ENF.....	Enforcement Action Listing
HAZNET.....	Facility and Manifest Data
EMI.....	Emissions Inventory Data
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
2020 COR ACTION.....	2020 Corrective Action Program List
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
WDS.....	Waste Discharge System
PRP.....	Potentially Responsible Parties
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
MWMP.....	Medical Waste Management Program Listing
COAL ASH DOE.....	Steam-Electric Plant Operation Data
HWT.....	Registered Hazardous Waste Transporter Database
US FIN ASSUR.....	Financial Assurance Information
Financial Assurance.....	Financial Assurance Information Listing
PROC.....	Certified Processors Database
EPA WATCH LIST.....	EPA WATCH LIST

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR US Hist Cleaners.....	EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site List

CERC-NFRAP: 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.

A review of the CERC-NFRAP list, as provided by EDR, and dated 10/25/2013 has revealed that there are 2 CERC-NFRAP sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RAYTHEON ELECTRONIC WARFARE SY	6380 HOLLISTER AVE	SE 1/4 - 1/2 (0.316 mi.)	N63	122
DELCO ELECTRONICS CORP	6767 HOLLISTER AVE	SW 1/4 - 1/2 (0.491 mi.)	P81	191

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/11/2014 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RAYTHEON ELECTRONIC WARFARE SY	6380 HOLLISTER AVE	SE 1/4 - 1/2 (0.316 mi.)	N63	122
DELCO ELECTRONICS CORP	6767 HOLLISTER AVE	SW 1/4 - 1/2 (0.491 mi.)	P81	191

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: 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. 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). 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-TSDF list, as provided by EDR, and dated 03/11/2014 has revealed that there are 2 RCRA-TSDF sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RAYTHEON ELECTRONIC WARFARE SY	6380 HOLLISTER AVE	SE 1/4 - 1/2 (0.316 mi.)	N63	122
DELCO ELECTRONICS CORP	6767 HOLLISTER AVE	SW 1/4 - 1/2 (0.491 mi.)	P81	191

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-SQG: 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. 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). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/11/2014 has revealed that there are 8 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VISCARRAS REFINISHING	6489 CALLE REAL SUITE F	N 1/8 - 1/4 (0.179 mi.)	F24	25
CENTRAL COAST ANAL SVC OF SB	6483 D CALLE REAL	N 1/8 - 1/4 (0.230 mi.)	F41	62
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SORENSEN PRECISION	6409 CAMINO VISTA UNIT	E 0 - 1/8 (0.010 mi.)	A2	8
RAYTHEON COMPANY ESD	7 LOS CARNEROS	SW 0 - 1/8 (0.048 mi.)	6	11
RIDAL CORP	57 AERO CAMINO	ESE 0 - 1/8 (0.068 mi.)	B10	15
CHEVRON 94419	6470 HOLLISTER AVE.	SSW 1/8 - 1/4 (0.192 mi.)	G31	45
MCGHAN MEDICAL CORPORATION	71 S LOS CARNEROS	WSW 1/8 - 1/4 (0.230 mi.)	I42	63
SUPERCONDUCTOR TECHNOLOGIES IN	150 AERO CAMINO	SE 1/8 - 1/4 (0.244 mi.)	J47	69

State- and tribal - equivalent CERCLIS

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 06/05/2014 has revealed that there are 11 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MISSION COUNTRY PHOTOFINISHING Status: Inactive - Needs Evaluation	178 AERO CAMINO	SE 1/4 - 1/2 (0.260 mi.)	J56	91
INNOVATIVE MICRO TECHNOLOGY Status: Inactive - Needs Evaluation	75 ROBIN HILL RD	ESE 1/4 - 1/2 (0.274 mi.)	L58	104
RAYTHEON E W Status: Refer: RWQCB Status: Refer: Other Agency	6380 HOLLISTER AVE	SE 1/4 - 1/2 (0.316 mi.)	N64	140
APPLIED MAGNETICS BUILDING Status: Inactive - Needs Evaluation	6300 HOLLISTER	ESE 1/4 - 1/2 (0.357 mi.)	M69	154
MOSELEY ASSOCIATES, INC Status: No Further Action	111 CASTILIAN DRIVE	WSW 1/4 - 1/2 (0.467 mi.)	77	177

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CABRILLO BUSINESS PARK STOCKPI Status: Active	6767 HOLLISTER AVE	SW 1/4 - 1/2 (0.491 mi.)	P79	183
RAYTHEON VISION SYSTEMS Status: Refer: RCRA Status: Inactive - Action Required	75 COROMAR DRIVE	WSW 1/2 - 1 (0.627 mi.)	Q84	211
DUPONT DISPLAYS Status: Inactive - Needs Evaluation	6780 CORTONA DR	WSW 1/2 - 1 (0.665 mi.)	85	234
UC SANTA BARBARA Status: Inactive - Needs Evaluation	SANTA BARBARA AIRPORT,	SE 1/2 - 1 (0.771 mi.)	86	239
MCAS GOLETA Status: Inactive - Needs Evaluation		E 1/2 - 1 (0.819 mi.)	87	241
LOS PADRES NATIONAL FOREST Status: Refer: Other Agency	6144 CALLE REAL	ENE 1/2 - 1 (0.860 mi.)	88	243

State and tribal leaking storage tank lists

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 06/16/2014 has revealed that there are 19 LUST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BERGAN BRUNSWICK Status: Completed - Case Closed	99 AERO CAMINO	ESE 0 - 1/8 (0.098 mi.)	B15	18
BERGAN BRUNSWICK CHEVRON #9-4419 94419 Status: Completed - Case Closed	99 AERO CAMINO 6470 HOLLISTER AVE 6470 HOLLISTER AVE	ESE 0 - 1/8 (0.098 mi.) SSW 1/8 - 1/4 (0.192 mi.) SSW 1/8 - 1/4 (0.192 mi.)	B16 G26 G27	19 27 28
CHEVRON STATION ARROWHEAD DRINKING WATER ARROWHEAD SANTA BARBARA BRANCH Status: Completed - Case Closed	6470 HOLLISTER AVE 122 AERO CAMINO 122 AERO CAMINO	SSW 1/8 - 1/4 (0.192 mi.) SE 1/8 - 1/4 (0.193 mi.) SE 1/8 - 1/4 (0.193 mi.)	G29 H33 H34	43 48 49
CONTINENTAL BAKING CO Status: Completed - Case Closed	153 AERO CAMINO	SE 1/8 - 1/4 (0.208 mi.)	H35	53
GOLD COAST DAIRY Status: Completed - Case Closed	6416 HOLLISTER AVE	SSE 1/8 - 1/4 (0.244 mi.)	K50	72
DISCOUNT MUFFLER & BRAKE Status: Completed - Case Closed	6410 HOLLISTER AVE	SSE 1/4 - 1/2 (0.257 mi.)	K55	80
S.B. CITY, AIRPORT MAINT Status: Completed - Case Closed	1699 FIRESTONE RD	SSE 1/4 - 1/2 (0.298 mi.)	60	116
DYNASEN INC Status: Completed - Case Closed	20 ARNOLD PL	SE 1/4 - 1/2 (0.356 mi.)	N66	147
CHUCHUPATE RANGER STATION Status: Completed - Case Closed	34580 LOCKWOOD VALLEY R	SW 1/4 - 1/2 (0.381 mi.)	70	157
USCOE/ARITOR-TANK #304 Status: Completed - Case Closed	1401 FIRESTONE RD	ESE 1/4 - 1/2 (0.409 mi.)	71	159

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SANTA BARBARA LEMON ASSOC Status: Completed - Case Closed	30 LA PATERA S	E 1/4 - 1/2 (0.437 mi.)	O74	165
CITY OF SANTA BARBARA AIRPOR Status: Completed - Case Closed	1301 FIRESTONE RD	ESE 1/4 - 1/2 (0.448 mi.)	75	171
MARIPRO INC Status: Completed - Case Closed	1522 COOK PL	SE 1/4 - 1/2 (0.467 mi.)	76	174
SO CA EDISON - SB SERVICE CENT Status: Completed - Case Closed	103 DAVID LOVE PL	E 1/4 - 1/2 (0.481 mi.)	78	178
DELCO INC Status: Completed - Case Closed	6767 HOLLISTER AVE	SW 1/4 - 1/2 (0.491 mi.)	P80	188

SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 06/16/2014 has revealed that there are 10 SLIC sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AXSYS TECHNOLOGIES - CLSD 6-20 Facility Status: Open - Verification Monitoring	137 AERO CAMINO	SE 1/8 - 1/4 (0.222 mi.)	H39	60
FAA SANTA BARBARA AIRPORT RTR/ Facility Status: Open - Assessment & Interim Remedial Action	6551 HOLLISTER AVE	SSW 1/4 - 1/2 (0.253 mi.)	54	77
BARDEX CORPORATION Facility Status: Open - Assessment & Interim Remedial Action	6338 LINDMAR DRIVE	E 1/4 - 1/2 (0.269 mi.)	57	92
RAYTHEON H9 Facility Status: Open - Site Assessment	112 ROBIN HILL ROAD	ESE 1/4 - 1/2 (0.297 mi.)	L59	113
EG&G ENERGY Facility Status: Completed - Case Closed	130 ROBIN HILL ROAD	ESE 1/4 - 1/2 (0.309 mi.)	M61	120
RAYTHEON SYSTEMS COMPANY	6380 HOLLISTER AVE	SE 1/4 - 1/2 (0.316 mi.)	N62	121
RAYTHEON E W Facility Status: Open - Verification Monitoring	6380 HOLLISTER AVE	SE 1/4 - 1/2 (0.316 mi.)	N64	140
APPLIED MAGNETICS CORP	6300 HOLLISTER AVENUE	ESE 1/4 - 1/2 (0.357 mi.)	M67	150
APPLIED MAGNETICS BUILDING Facility Status: Open - Verification Monitoring	6300 HOLLISTER	ESE 1/4 - 1/2 (0.357 mi.)	M69	154
NEAL FEAY COMPANY Facility Status: Open - Assessment & Interim Remedial Action	133 LA PATERA	E 1/4 - 1/2 (0.412 mi.)	72	161

State and tribal registered storage tank lists

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, and dated 08/01/2009 has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CA HWY PATROL - GOLETA	6465 CALLE REAL	N 1/8 - 1/4 (0.163 mi.)	E23	25

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UC SANTA BARBARA	SANTA BARBARA AIRPORT,	SE 1/2 - 1 (0.771 mi.)	86	239

Local Lists of Registered Storage Tanks

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 3 CA FID UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CALIFORNIA HIGHWAY PATROL	6465 CALLE REAL	N 1/8 - 1/4 (0.163 mi.)	E21	23
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON STATION #9-4419	6470 HOLLISTER AVE	SSW 1/8 - 1/4 (0.192 mi.)	G28	42
GOLDEN COAST DAIRY	6416 HOLLISTER AVE	SSE 1/8 - 1/4 (0.244 mi.)	K48	71

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 are 5 HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CALIFORNIA HIGHWAY PATROL	6465 CALLE REAL	N 1/8 - 1/4 (0.163 mi.)	E22	23
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BERGAN BRUNSWICK	99 AERO CAMINO	ESE 0 - 1/8 (0.098 mi.)	B15	18
94419	6470 HOLLISTER AVE	SSW 1/8 - 1/4 (0.192 mi.)	G27	28
ARROWHEAD SANTA BARBARA BRANCH	122 AERO CAMINO	SE 1/8 - 1/4 (0.193 mi.)	H34	49
GOLDEN COAST DAIRY	6416 HOLLISTER AVE	SSE 1/8 - 1/4 (0.244 mi.)	K49	71

EXECUTIVE SUMMARY

SWEEPS UST: 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 1990'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 3 SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CALIFORNIA HIGHWAY PATROL	6465 CALLE REAL	N 1/8 - 1/4 (0.163 mi.)	E21	23

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON STATION #9-4419	6470 HOLLISTER AVE	SSW 1/8 - 1/4 (0.192 mi.)	G28	42
GOLDEN COAST DAIRY	6416 HOLLISTER AVE	SSE 1/8 - 1/4 (0.244 mi.)	K48	71

Other Ascertainable Records

RCRA NonGen / NLR: 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. 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). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/11/2014 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
J S GRAPHIX INC	136 AERO CAMINO	SE 1/8 - 1/4 (0.221 mi.)	H36	56

FUDS: 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.

A review of the FUDS list, as provided by EDR, and dated 12/31/2012 has revealed that there are 2 FUDS sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UNIVERSITY OF CALIFORNIA SANTA SANTA BARBARA MUN AIRPORT	6740 CORTONA	WSW 1/2 - 1 (0.564 mi.) SE 1/2 - 1 (0.874 mi.)	82 89	204 244

Cortese: 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).

A review of the Cortese list, as provided by EDR, and dated 06/30/2014 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BARDEX CORPORATION	6338 LINDMAR DRIVE	E 1/4 - 1/2 (0.269 mi.)	57	92

EXECUTIVE SUMMARY

HIST CORTESE: 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 [CALSTITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 8 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ARROWHEAD DRINKING WATER	122 AERO CAMINO	SE 1/8 - 1/4 (0.193 mi.)	H33	48
CONTINENTAL BAKING CO	153 AERO CAMINO	SE 1/8 - 1/4 (0.208 mi.)	H35	53
GOLD COAST DAIRY	6416 HOLLISTER AVE	SSE 1/8 - 1/4 (0.244 mi.)	K50	72
DISCOUNT MUFFLER & BRAKE	6410 HOLLISTER AVE	SSE 1/4 - 1/2 (0.257 mi.)	K55	80
S.B. CITY, AIRPORT MAINT	1699 FIRESTONE RD	SSE 1/4 - 1/2 (0.298 mi.)	60	116
DYNASEN INC	20 ARNOLD PL	SE 1/4 - 1/2 (0.356 mi.)	N66	147
SANTA BARBARA LEMON ASSOC	30 LA PATERA	E 1/4 - 1/2 (0.437 mi.)	O73	165
CABRILLO BUSINESS PARK STOCKPI	6767 HOLLISTER AVE	SW 1/4 - 1/2 (0.491 mi.)	P79	183

CUPA Listings: A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

A review of the CUPA Listings list, as provided by EDR, has revealed that there are 27 CUPA Listings sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ACMI CORPORATION - CLOSED	6445 CALLE REAL	NNE 0 - 1/8 (0.111 mi.)	17	21
CALIFORNIA HIGHWAY PATROL	6465 CALLE REAL	N 1/8 - 1/4 (0.163 mi.)	E22	23
CINGULAR - GOLETA	6485 CALLE REAL	N 1/8 - 1/4 (0.222 mi.)	F37	57
VISCARRA'S REFINISHING	6485 CALLE REAL #G	N 1/8 - 1/4 (0.222 mi.)	F38	60
UCSB MATERIALS RESEARCH LAB	6487 CALLE REAL #B	N 1/8 - 1/4 (0.224 mi.)	F40	61

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EXCALIBUR ENTERPRISES	6409 CAMINO VISTA #A	E 0 - 1/8 (0.010 mi.)	A1	8
TRUE AMES	6409 CAMINO VISTA #A	E 0 - 1/8 (0.010 mi.)	A3	10
TRUE AMES - CLSD	53 AERO CAMINO	E 0 - 1/8 (0.027 mi.)	A4	10
RIDAL CORPORATION - CLSD	57 AERO CAMINO	E 0 - 1/8 (0.039 mi.)	A5	11
WESTERN WEB PRINTING INC	36 AERO CAMINO	ENE 0 - 1/8 (0.053 mi.)	7	13
TOYON RESEARCH CORP - OFFICE -	75 AERO CAMINO	ESE 0 - 1/8 (0.058 mi.)	B8	13
GOLETA TRANSMISSION	74 AERO CAMINO #A	E 0 - 1/8 (0.078 mi.)	B11	16
ADVANCED AUTOMOTIVE - GOLETA	74 AERO CAMINO #B	E 0 - 1/8 (0.078 mi.)	B13	17
CHANNEL ISLAND MARINE	74 AERO CAMINO	ESE 0 - 1/8 (0.098 mi.)	B14	18
CHEMMARK - COAST SUPPLY	82 AERO CAMINO	ESE 0 - 1/8 (0.113 mi.)	C18	21
GET REAL PERFORMANCE	92 AERO CAMINO	ESE 1/8 - 1/4 (0.133 mi.)	C19	22
94419	6470 HOLLISTER AVE	SSW 1/8 - 1/4 (0.192 mi.)	G27	28
FEDERAL EXPRESS	6466 HOLLISTER AVE	SSW 1/8 - 1/4 (0.192 mi.)	G32	47
ARROWHEAD SANTA BARBARA BRANCH	122 AERO CAMINO	SE 1/8 - 1/4 (0.193 mi.)	H34	49
AXSYS TECHNOLOGIES - CLSD 6-20	137 AERO CAMINO	SE 1/8 - 1/4 (0.222 mi.)	H39	60
MCGHAN MEDICAL CORPORATION	71 S LOS CARNEROS	WSW 1/8 - 1/4 (0.230 mi.)	I42	63
ACMI CIRCON	6500 HOLLISTER AVE	SSW 1/8 - 1/4 (0.235 mi.)	G43	66
KARL STORZ IMAGING	175 CREMONA DR #B	SW 1/8 - 1/4 (0.239 mi.)	I44	68
KORDA & GEIS ENGINEERING - CLS	148 AERO CAMINO	SE 1/8 - 1/4 (0.241 mi.)	H45	68
GOLD COAST DAIRY	6416 HOLLISTER AVE	SSE 1/8 - 1/4 (0.244 mi.)	K50	72
GDM INC - CLSD	152 AERO CAMINO	SE 1/8 - 1/4 (0.246 mi.)	J51	75
SANTA BARBARA TRANSPORTATION-G	6414 HOLLISTER AVE	SSE 1/8 - 1/4 (0.248 mi.)	K53	76

EXECUTIVE SUMMARY

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there are 5 Notify 65 sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	SHERRIL WAY & VEGA DRIV	ENE 1/2 - 1 (0.949 mi.)	90	245
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ROBIN HILL ROAD/HOLLISTER AVE.		SE 1/4 - 1/2 (0.354 mi.)	65	147
APPLIED MAGNETICS BUILDING	6300 HOLLISTER	ESE 1/4 - 1/2 (0.357 mi.)	M68	154
APPLIED MAGNETICS BUILDING	6300 HOLLISTER	ESE 1/4 - 1/2 (0.357 mi.)	M69	154
RAYTHEON VISION SYSTEMS	75 COROMAR DRIVE	WSW 1/2 - 1 (0.627 mi.)	Q84	211

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 05/27/2014 has revealed that there are 3 HWP sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RAYTHEON E W	6380 HOLLISTER AVE	SE 1/4 - 1/2 (0.316 mi.)	N64	140
DELCO ELECTRONICS CORP	6767 HOLLISTER AVE	SW 1/4 - 1/2 (0.491 mi.)	P81	191
RAYTHEON VISION SYSTEMS	75 COROMAR DR	WSW 1/2 - 1 (0.627 mi.)	Q83	207

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: 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. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 7 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	74 AERO CAMINO	ESE 0 - 1/8 (0.060 mi.)	B9	14
AIR PORT MOTOR	74 AERO CAM	E 0 - 1/8 (0.078 mi.)	B12	17
VISTA VOLKSWAGEN IN	6464 HOLLISTER AVE	S 1/8 - 1/4 (0.146 mi.)	D20	22
Not reported	6470 HOLLISTER AVE	SSW 1/8 - 1/4 (0.187 mi.)	D25	27
GOLETA VALLEY CHEVRO	6470 HOLLISTER AVE	SSW 1/8 - 1/4 (0.192 mi.)	G30	44
Not reported	148 AERO CAMINO	SE 1/8 - 1/4 (0.241 mi.)	H46	69

EXECUTIVE SUMMARY

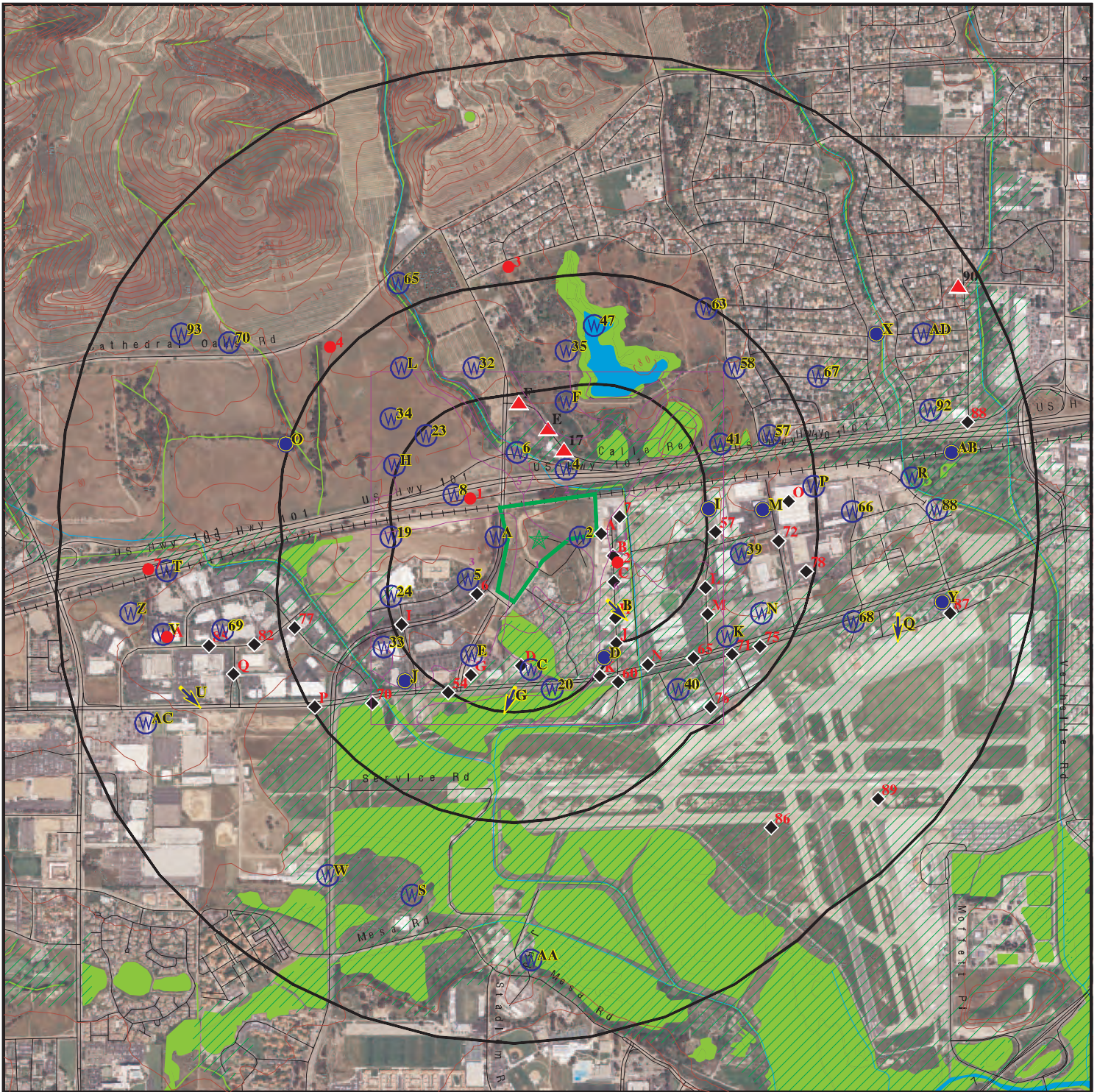
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	152 AERO CAMINO	SE 1/8 - 1/4 (0.248 mi.)	J52	76

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 26 records.

<u>Site Name</u>	<u>Database(s)</u>
NICKS PLACE	SWEEPS UST
ALL AMERICAN PIPELINE/GAVIOTA BOOS	SWEEPS UST
ALL AMERICAN PIPELINE	SWEEPS UST
ALL AMERICAN PIPELINE	SWEEPS UST
ARCO O&G-DOS PUEBLOS/BEACHFRONT TA	SWEEPS UST
ALL AMERICAN PIPELINE CO.	SWEEPS UST
NICKS PLACE	HIST UST, CUPA Listings
CINGULAR - GAVIOTA MICROCELL 14525	CUPA Listings
ARCO O&G-GAVIOTA LEASE #2793	CUPA Listings
BENTON OIL & GAS - SOLD	CUPA Listings
SWEPI LP-FORMER HERCULES GAS PLANT	CUPA Listings
VERIZON CA - GAVIOTA HUT MARINE	CUPA Listings
GAVIOTA STATE PARK	CUPA Listings
CA STATE PARK - REFUGIO STATE BEAC	CUPA Listings
ARCO O&G-DOS PUEBLOS	CUPA Listings
EL CAPITAN STATE BEACH	CUPA Listings
TOYON RESEARCH CORPORATION-MOVED	CUPA Listings
SPRINT - EL CAPITAN - REMOTE SITE	CUPA Listings
PLAINS PIPELINE LP-LAS FLORES PUMP	CUPA Listings
VERIZON WIRELESS - HWY 101 EDWARDS	CUPA Listings
EL CAPITAN STATE BEACH	HIST UST
EL CAPITAN STATE BEACH	AST
CHEVRON USA INC GAVIOTA TERM	RCRA-SQG
GAVIOTA OIL PLANT	RCRA-SQG
PANGLCO	RCRA-SQG
SORAA INC	RCRA-SQG

overview MAP - 4020046.2s



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

Dept. Defense Sites



Indian Reservations BIA

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

Areas of Concern

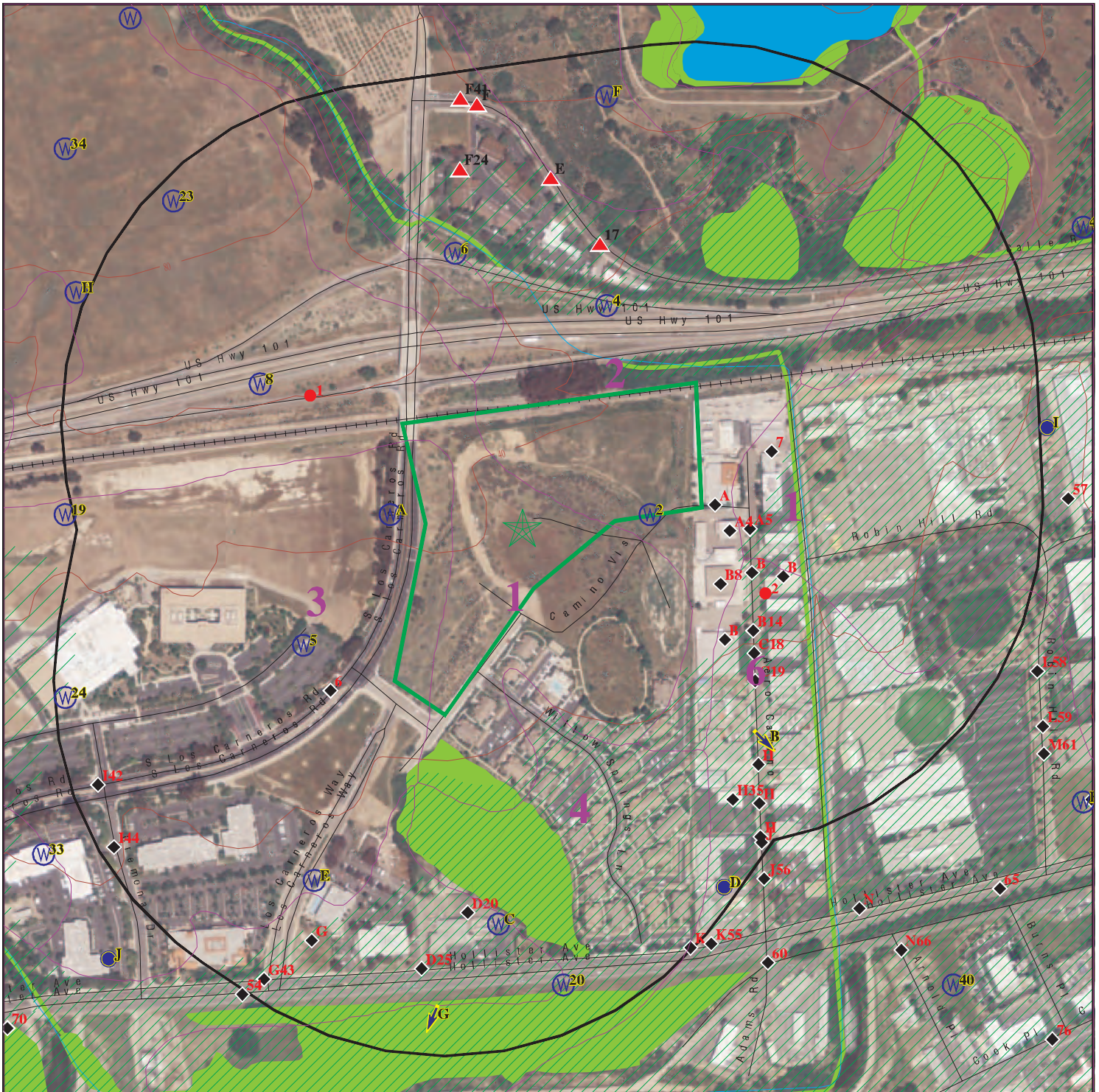


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Heritage Ridge
 ADDRESS: Los Carneros Road and Calle Koral
 Goleta CA 93117
 LAT/LONG: 34.4357 / 119.8515

CLIENT: Property Solutions, Inc.
 CONTACT: Rebecca Ludwig
 INQUIRY #: 4020046.2s
 DATE: July 29, 2014 8:35 am

detail MAP - 4020046.2s



Target Property

Sites at elevations higher than or equal to the target property

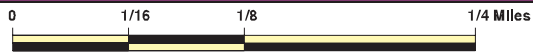
Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites



Indian Reservations BIA

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

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: Heritage Ridge
 ADDRESS: Los Carneros Road and Calle Koral
 Goleta CA 93117
 LAT/LONG: 34.4357 / 119.8515

CLIENT: Property Solutions, Inc.
 CONTACT: Rebecca Ludwig
 INQUIRY #: 4020046.2s
 DATE: July 29, 2014 8:36 am

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	0.500		0	0	2	NR	NR	2
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	2	0	NR	2
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	2	NR	NR	2
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		3	5	NR	NR	NR	8
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL RESPONSE</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i>								
ENVIROSTOR	1.000		0	0	6	5	NR	11
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		2	7	10	NR	NR	19

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC	0.500		0	1	9	NR	NR	10
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	1	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	1	NR	1
SCH	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	0.250		0	3	NR	NR	NR	3
HIST UST	0.250		1	4	NR	NR	NR	5
SWEEPS UST	0.250		0	3	NR	NR	NR	3
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	2	NR	2
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
US MINES	0.250		0	0	NR	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
HIST 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
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	1	NR	NR	1
HIST CORTESE	0.500		0	3	5	NR	NR	8
CUPA Listings	0.250		11	16	NR	NR	NR	27
Notify 65	1.000		0	0	3	2	NR	5
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWP	1.000		0	0	2	1	NR	3
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PROC	0.500		0	0	0	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		2	5	NR	NR	NR	7
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	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 FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

A1 East < 1/8 0.010 mi. 52 ft.	EXCALIBUR ENTERPRISES 6409 CAMINO VISTA #A GOLETA, CA 93117 Site 1 of 5 in cluster A	CUPA Listings	S110741870 N/A
--	---	----------------------	---------------------------------

Relative: Lower	CUPA SANTA BARBARA: Facility Id: FA0006172 Region: SANTA BARBARA Cross Street: Not reported Latitude: Not reported Longitude: Not reported Mailing Name: KIRKPATRICK, CLYDE Mailing Care Of: Not reported Mailing Address: 6409 CAMINO VISTA A Mailing City: GOLETA Mailing State: CA Mailing Zip Code: 93117 Record Id: PR0220538 Pe #: 2201 Current Status: 2		
----------------------------------	---	--	--

A2 East < 1/8 0.010 mi. 52 ft.	SORENSEN PRECISION 6409 CAMINO VISTA UNIT C GOLETA, CA 93117 Site 2 of 5 in cluster A	RCRA-SQG FINDS	1004676341 CAR000084046
--	--	---------------------------------	--

Relative: Lower	RCRA-SQG: Date form received by agency: 10/06/2000 Facility name: SORENSON PRECISION Facility address: 6409 CAMINO VISTA UNIT C GOLETA, CA 93117 EPA ID: CAR000084046 Contact: MARK SORENSON Contact address: 6409 CAMINO VISTA UNIT C GOLETA, CA 93117 Contact country: US Contact telephone: (805) 685-1882 Contact email: Not reported EPA Region: 09 Classification: Small Small Quantity Generator Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time		
----------------------------------	---	--	--

Owner/Operator Summary:	Owner/operator name: MARK SORENSON Owner/operator address: 6409 CAMINO VISTA UNIT C GOLETA, CA 93117 Owner/operator country: Not reported Owner/operator telephone: (805) 685-1882 Legal status: Private Owner/Operator Type: Owner Owner/Op start date: Not reported Owner/Op end date: Not reported
--------------------------------	---

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SORENSEN PRECISION (Continued)

1004676341

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D000
Waste name: Not Defined

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110012251062

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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.

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

A3
East
< 1/8
0.010 mi.
52 ft.

TRUE AMES
6409 CAMINO VISTA #A
GOLETA, CA 93117
Site 3 of 5 in cluster A

CUPA Listings S110742298
N/A

Relative:
Lower

CUPA SANTA BARBARA:

Facility Id:	FA0012847
Region:	SANTA BARBARA
Cross Street:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Mailing Name:	TRUE AMES INC
Mailing Care Of:	CHUCK AMES
Mailing Address:	6409 CAMINO VISTA #A
Mailing City:	GOLETA
Mailing State:	CA
Mailing Zip Code:	931173137
Record Id:	PR0506732
Pe #:	2200
Current Status:	2

Actual:
27 ft.

A4
East
< 1/8
0.027 mi.
140 ft.

TRUE AMES - CLSD
53 AERO CAMINO
GOLETA, CA 93117
Site 4 of 5 in cluster A

CUPA Listings S110741472
N/A

Relative:
Lower

CUPA SANTA BARBARA:

Facility Id:	FA0001320
Region:	SANTA BARBARA
Cross Street:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Mailing Name:	TRUE AMES INC
Mailing Care Of:	CHUCK AMES
Mailing Address:	6409 CAMINO VISTA #A
Mailing City:	GOLETA
Mailing State:	CA
Mailing Zip Code:	931173137
Record Id:	PR0210878
Pe #:	2161
Current Status:	2

Facility Id:	FA0012961
Region:	SANTA BARBARA
Cross Street:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Mailing Name:	WESTERN SPACE & MARINE, INC.
Mailing Care Of:	Not reported
Mailing Address:	53 AERO CAMINO
Mailing City:	GOLETA
Mailing State:	CA
Mailing Zip Code:	93110
Record Id:	PR0506994
Pe #:	2200
Current Status:	2

Actual:
26 ft.

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

A5
East
< 1/8
0.039 mi.
204 ft.

RIDAL CORPORATION - CLSD
57 AERO CAMINO
GOLETA, CA 93117

CUPA Listings **S109934050**
N/A

Site 5 of 5 in cluster A

Relative:
Lower

CUPA SANTA BARBARA:

Facility Id:	FA0001332
Region:	SANTA BARBARA
Cross Street:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Mailing Name:	RIDAL CORPORATION
Mailing Care Of:	DALE SORENSON
Mailing Address:	57 AERO CAMINO
Mailing City:	GOLETA
Mailing State:	CA
Mailing Zip Code:	93117
Record Id:	PR0210372
Pe #:	2162
Current Status:	2

Actual:
26 ft.

Facility Id:	FA0001332
Region:	SANTA BARBARA
Cross Street:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Mailing Name:	RIDAL CORPORATION
Mailing Care Of:	DALE SORENSON
Mailing Address:	57 AERO CAMINO
Mailing City:	GOLETA
Mailing State:	CA
Mailing Zip Code:	93117
Record Id:	PR0220372
Pe #:	2203
Current Status:	2

6
SW
< 1/8
0.048 mi.
252 ft.

RAYTHEON COMPANY ESD
7 LOS CARNEROS
GOLETA, CA 93117

RCRA-SQG **1000407771**
CAD982510083

Relative:
Lower

RCRA-SQG:

Date form received by agency:	10/12/2000
Facility name:	RAYTHEON COMPANY ESD
Site name:	RAYTHEON LOS CARNEROS
Facility address:	7 LOS CARNEROS
	GOLETA, CA 93117
EPA ID:	CAD982510083
Mailing address:	6380 HOLLISTER AVENUE
	GOLETA, CA 93117
Contact:	THOMAS A MEADE
Contact address:	Not reported
	Not reported
Contact country:	Not reported
Contact telephone:	(805) 879-2892
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator

Actual:
31 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON COMPANY ESD (Continued)

1000407771

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/04/1999
Facility name: RAYTHEON COMPANY ESD
Site name: RAYTHEON SYSTEMS COMPANY SENSORS & ELECT
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Facility name: RAYTHEON COMPANY ESD
Classification: Small Quantity Generator

Date form received by agency: 02/07/1996
Facility name: RAYTHEON COMPANY ESD
Site name: E-SYSTEMS/GOLETA DIVISION
Classification: Large Quantity Generator

Date form received by agency: 03/25/1994
Facility name: RAYTHEON COMPANY ESD
Classification: Large Quantity Generator

Date form received by agency: 12/07/1989
Facility name: RAYTHEON COMPANY ESD
Classification: Large Quantity Generator

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7
ENE
< 1/8
0.053 mi.
281 ft.

WESTERN WEB PRINTING INC
36 AERO CAMINO
GOLETA, CA 93117

CUPA Listings S110742842
N/A

Relative:
Lower

CUPA SANTA BARBARA:

Facility Id: FA0013821
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: 34.4366
Longitude: -119.848
Mailing Name: WESTERN WEB PRINTING INC
Mailing Care Of: JESSE ROTH
Mailing Address: 36 AERO CAMINO
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0508955
Pe #: 2201
Current Status: 1

Actual:
25 ft.

Facility Id: FA0013821
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: 34.4366
Longitude: -119.848
Mailing Name: WESTERN WEB PRINTING INC
Mailing Care Of: JESSE ROTH
Mailing Address: 36 AERO CAMINO
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0508957
Pe #: 2161
Current Status: 1

B8
ESE
< 1/8
0.058 mi.
304 ft.

TOYON RESEARCH CORP - OFFICE - CLSD
75 AERO CAMINO
GOLETA, CA 93117

CUPA Listings S110374675
N/A

Site 1 of 9 in cluster B

Relative:
Lower

CUPA SANTA BARBARA:

Facility Id: FA0013634
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: TOYON RESEARCH CORPORATION
Mailing Care Of: ACCOUNTS PAYABLE
Mailing Address: 6800 CORONA DRIVE
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 931173021
Record Id: PR0508517
Pe #: 2100
Current Status: 2

Actual:
23 ft.

Facility Id: FA0013634

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOYON RESEARCH CORP - OFFICE - CLSD (Continued)

S110374675

Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: TOYON RESEARCH CORPORATION
Mailing Care Of: ACCOUNTS PAYABLE
Mailing Address: 6800 CORONA DRIVE
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 931173021
Record Id: PR0508616
Pe #: 2100
Current Status: 2

B9
ESE
< 1/8
0.060 mi.
318 ft.

74 AERO CAMINO
GOLETA, CA 93117

EDR US Hist Auto Stat 1015621596
N/A

Site 2 of 9 in cluster B

Relative:
Lower

EDR Historical Auto Stations:

Name: BRUCES GOLETA TRANSMISSIONS
Year: 1999
Address: 74 AERO CAMINO

Name: ADVANCED AUTOMOTIVE
Year: 2000
Address: 74 AERO CAMINO

Name: ADVANCED AUTOMOTIVE
Year: 2001
Address: 74 AERO CAMINO

Name: ADVANCED AUTOMOTIVE
Year: 2002
Address: 74 AERO CAMINO

Name: ADVANCED AUTOMOTIVE
Year: 2003
Address: 74 AERO CAMINO

Name: BRUCES GOLETA TRANSMISSION
Year: 2004
Address: 74 AERO CAMINO

Name: BRIGGS JOHN MOTORSPORT
Year: 2005
Address: 74 AERO CAMINO

Name: ADVANCED AUTOMOTIVE
Year: 2006
Address: 74 AERO CAMINO

Name: ADVANCED AUTOMOTIVE
Year: 2007
Address: 74 AERO CAMINO

Name: ADVANCED AUTOMOTIVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1015621596

Year: 2008
Address: 74 AERO CAMINO

Name: ADVANCED AUTOMOTIVE
Year: 2009
Address: 74 AERO CAMINO

Name: GOLETA MUFFLERS & BRAKES
Year: 2010
Address: 74 AERO CAMINO

Name: ADVANCED AUTOMOTIVE
Year: 2011
Address: 74 AERO CAMINO

Name: ADVANCED AUTOMOTIVE
Year: 2012
Address: 74 AERO CAMINO

B10
ESE
< 1/8
0.068 mi.
357 ft.

RIDAL CORP
57 AERO CAMINO
GOLETA, CA

RCRA-SQG 1000147665
FINDS CAD982323057

Site 3 of 9 in cluster B

Relative:
Lower

RCRA-SQG:

Date form received by agency: 02/09/1988
Facility name: RIDAL CORP
Facility address: 57 AERO CAMINO
GOLETA, CA 93117
EPA ID: CAD982323057
Contact: ENVIRONMENTAL MANAGER
Contact address: 57 AERO CAMINO
COLETA, CA 93117
Contact country: US
Contact telephone: (805) 968-1575
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
23 ft.

Owner/Operator Summary:

Owner/operator name: DALE SORENSON
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

RIDAL CORP (Continued)

1000147665

Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110008276141

Environmental Interest/Information System

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.

B11
East
< 1/8
0.078 mi.
413 ft.

GOLETA TRANSMISSION
74 AERO CAMINO #A
GOLETA, CA 93117
Site 4 of 9 in cluster B

CUPA Listings S110742141
N/A

Relative:
Lower

CUPA SANTA BARBARA:

Facility Id: FA0012528
 Region: SANTA BARBARA
 Cross Street: Not reported
 Latitude: Not reported
 Longitude: Not reported
 Mailing Name: PRESTA, STEVE
 Mailing Care Of: GOLETA TRANSMISSION
 Mailing Address: 74 AERO CAMINO
 Mailing City: GOLETA
 Mailing State: CA

Actual:
23 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLETA TRANSMISSION (Continued)

S110742141

Mailing Zip Code: 93117
Record Id: PR0505749
Pe #: 2202
Current Status: 1

Facility Id: FA0012528
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: PRESTA, STEVE
Mailing Care Of: GOLETA TRANSMISSION
Mailing Address: 74 AERO CAMINO
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0508408
Pe #: 2161
Current Status: 1

B12
East
< 1/8
0.078 mi.
413 ft.

AIR PORT MOTOR
74 AERO CAM
SANTA BARBARA, CA

EDR US Hist Auto Stat **1009068204**
N/A

Site 5 of 9 in cluster B

Relative:
Lower

Actual:
23 ft.

EDR Historical Auto Stations:
Name: AIR PORT MOTOR
Year: 1985
Type: AUTOMOBILE REPAIRING

B13
East
< 1/8
0.078 mi.
413 ft.

ADVANCED AUTOMOTIVE - GOLETA
74 AERO CAMINO #B
GOLETA, CA 93117

CUPA Listings **S110741477**
N/A

Site 6 of 9 in cluster B

Relative:
Lower

Actual:
23 ft.

CUPA SANTA BARBARA:
Facility Id: FA0001350
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: ADVANCED AUTOMOTIVE
Mailing Care Of: MILLER BREESE
Mailing Address: 74 AERO CAMINO B
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0221618
Pe #: 2202
Current Status: 1

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

B14
ESE
< 1/8
0.098 mi.
516 ft.

CHANNEL ISLAND MARINE
74 AERO CAMINO
GOLETA, CA 93117

CUPA Listings **S103955537**
N/A

Site 7 of 9 in cluster B

Relative:
Lower

CUPA SANTA BARBARA:

Facility Id:	FA0013503
Region:	SANTA BARBARA
Cross Street:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Mailing Name:	CHANNEL ISLAND MARINE
Mailing Care Of:	GREG COOPER
Mailing Address:	74 AERO CAMINO
Mailing City:	GOLETA
Mailing State:	CA
Mailing Zip Code:	93117
Record Id:	PR0508256
Pe #:	2202
Current Status:	1

Actual:
21 ft.

B15
ESE
< 1/8
0.098 mi.
519 ft.

BERGAN BRUNSWICK
99 AERO CAMINO
GOLETA, CA 92667

LUST **U001580677**
HIST UST **N/A**

Site 8 of 9 in cluster B

Relative:
Lower

LUST:

Region:	STATE
Global Id:	T0608300303
Latitude:	34.434378
Longitude:	-119.848922
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/15/1989
Lead Agency:	CENTRAL COAST RWQCB (REGION 3)
Case Worker:	Not reported
Local Agency:	SANTA BARBARA COUNTY LOP
RB Case Number:	263
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Actual:
21 ft.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0608300303
Contact Type:	Local Agency Caseworker
Contact Name:	CLOSED Santa Barbara Co LOP SITES
Organization Name:	SANTA BARBARA COUNTY LOP
Address:	2125 S. Centerpointe Parkway, Suite #333
City:	Santa Maria
Email:	paul.mccaw@sbcphd.org
Phone Number:	8053468359

Status History:

Global Id:	T0608300303
------------	-------------

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BERGAN BRUNSWICK (Continued)

U001580677

Status: Completed - Case Closed
Status Date: 05/15/1989

Global Id: T0608300303
Status: Open - Case Begin Date
Status Date: 09/12/1988

Global Id: T0608300303
Status: Open - Site Assessment
Status Date: 04/10/1989

Regulatory Activities:

Global Id: T0608300303
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0608300303
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

HIST UST:

Region: STATE
Facility ID: 00000054675
Facility Type: Other
Other Type: PHARMACEUTICAL DIST.
Total Tanks: 0001
Contact Name: JOHN SASSER, MGR.
Telephone: 8059682571
Owner Name: BERGEN BRUNSWIG DRUG CO.
Owner Address: 22351 S. WILMINGTON AVE.
Owner City,St,Zip: CARSON, CA 92745

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: None

B16
ESE
< 1/8
0.098 mi.
519 ft.

BERGAN BRUNSWICK
99 AERO CAMINO
GOLETA, CA 92667

Site 9 of 9 in cluster B

LUST S102425185
N/A

Relative:
Lower

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Barbara
Global ID: T0608300303
Status: Case Closed
Case Number: 263

Actual:
21 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BERGAN BRUNSWICK (Continued)

S102425185

Local Case Num: Not reported
Case Type: O
Substance: Gasoline
Quantity: Not reported
Abatement Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)
Leak Source: Tank
Leak Cause: UNK
How Stopped: Not reported
How Discovered: Tank Closure
Release Date: 10/12/1988
Discovered Date: 9/12/88
Enter Date: 04/12/1989
Stop Date: Not reported
Review Date: 04/10/1989
Enforce Date: Not reported
Close Date: 5/15/89
Enforcement Type: Not reported
Responsible Party: SMIDT, GEORGE
RP Address: PO BOX 5915
Contact: Not reported
Cross Street: HOLLISTER
Local Agency: 42000L
Lead Agency: Regional Board
Staff Initials: RBA
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: 04/10/1989
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Pilot Program: UST
Interim Action: 0
Funding: Not reported
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NT
Lat/Long: 34.4326328 / -119.8484422
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 15.31
Beneficial: Not reported
Priority: 0
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: DORAL NEELEY
Well Name: WELL
Distance From Well: 0
Assigned Name: 04N/28W-17D06 S
Summary: SOIL CLEAN BUT GROUNDWATER CONTAINED .55PPM BENZENE. **** CASE

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BERGAN BRUNSWICK (Continued)

S102425185

CLOSED ****

17
NNE
< 1/8
0.111 mi.
584 ft.

ACMI CORPORATION - CLOSED
6445 CALLE REAL
GOLETA, CA 93117

CUPA Listings S110742453
N/A

Relative:
Higher

CUPA SANTA BARBARA:

Facility Id:	FA0013087
Region:	SANTA BARBARA
Cross Street:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Mailing Name:	ACMI CORPORATION
Mailing Care Of:	Not reported
Mailing Address:	6445 CALLE REAL
Mailing City:	GOLETA
Mailing State:	CA
Mailing Zip Code:	93117
Record Id:	PR0507242
Pe #:	2100
Current Status:	2

Actual:
43 ft.

Facility Id:	FA0013087
Region:	SANTA BARBARA
Cross Street:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Mailing Name:	ACMI CORPORATION
Mailing Care Of:	Not reported
Mailing Address:	6445 CALLE REAL
Mailing City:	GOLETA
Mailing State:	CA
Mailing Zip Code:	93117
Record Id:	PR0507240
Pe #:	2200
Current Status:	2

C18
ESE
< 1/8
0.113 mi.
598 ft.

CHEMMARK - COAST SUPPLY
82 AERO CAMINO
GOLETA, CA 93117

CUPA Listings S108198964
N/A

Site 1 of 2 in cluster C

Relative:
Lower

CUPA SANTA BARBARA:

Facility Id:	FA0001365
Region:	SANTA BARBARA
Cross Street:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Mailing Name:	CHEMMARK COAST SUPPLY
Mailing Care Of:	Not reported
Mailing Address:	PO BOX 6815
Mailing City:	SANTA BARBARA
Mailing State:	CA

Actual:
20 ft.

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMMARK - COAST SUPPLY (Continued)

S108198964

Mailing Zip Code: 93160
Record Id: PR0212328
Pe #: 2163
Current Status: 2

C19
ESE
1/8-1/4
0.133 mi.
701 ft.

GET REAL PERFORMANCE
92 AERO CAMINO
GOLETA, CA 93117

CUPA Listings S104576023
N/A

Site 2 of 2 in cluster C

Relative:
Lower

CUPA SANTA BARBARA:

Facility Id: FA0013598
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: SCHRADER ENGINEERING
Mailing Care Of: ROY SCHRADER
Mailing Address: 92 AERO CAMINO
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0508433
Pe #: 2201
Current Status: 2

Actual:
18 ft.

Facility Id: FA0013598
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: SCHRADER ENGINEERING
Mailing Care Of: ROY SCHRADER
Mailing Address: 92 AERO CAMINO
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0508435
Pe #: 2161
Current Status: 1

D20
South
1/8-1/4
0.146 mi.
770 ft.

VISTA VOLKSWAGEN IN
6464 HOLLISTER AVE
SANTA BARBARA, CA

EDR US Hist Auto Stat 1009067161
N/A

Site 1 of 2 in cluster D

Relative:
Lower

EDR Historical Auto Stations:

Name: VISTA VOLKSWAGEN IN
Year: 1970
Type: AUTOMOBILE REPAIRING

Actual:
10 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E21
North
1/8-1/4
0.163 mi.
862 ft.

CALIFORNIA HIGHWAY PATROL
6465 CALLE REAL
GOLETA, CA 93117

CA FID UST **S101630020**
SWEEPS UST **N/A**

Site 1 of 3 in cluster E

Relative:
Higher

CA FID UST:
Facility ID: 42000890
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8059671234
Mail To: Not reported
Mailing Address: 6465 CALLE REAL
Mailing Address 2: Not reported
Mailing City,St,Zip: GOLETA 93117
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Actual:
51 ft.

SWEEPS UST:

Status: Active
Comp Number: 189
Number: 6
Board Of Equalization: Not reported
Referral Date: 06-16-92
Action Date: 06-16-92
Created Date: 09-19-91
Owner Tank Id: 760-1
SWRCB Tank Id: 42-000-000189-000001
Tank Status: A
Capacity: 12000
Active Date: 02-24-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 1

E22
North
1/8-1/4
0.163 mi.
862 ft.

CALIFORNIA HIGHWAY PATROL
6465 CALLE REAL
GOLETA, CA 93117

HIST UST **U001580682**
CUPA Listings **N/A**

Site 2 of 3 in cluster E

Relative:
Higher

HIST UST:
Region: STATE
Facility ID: 00000017982
Facility Type: Other
Other Type: CHP
Total Tanks: 0001
Contact Name: Not reported
Telephone: 8059671234
Owner Name: CALIFORNIA HIGHWAY PATROL
Owner Address: P.O. BOX 898

Actual:
51 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALIFORNIA HIGHWAY PATROL (Continued)

U001580682

Owner City,St,Zip: SACRAMENTO, CA 95804

Tank Num: 001
Container Num: 760-1
Year Installed: 1982
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 001
Container Num: 760-2
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

CUPA SANTA BARBARA:

Facility Id: FA0006179
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: CALIFORNIA HIGHWAY PATROL
Mailing Care Of: Not reported
Mailing Address: 601 NORTH SEVENTH STREET
Mailing City: SACRAMENTO
Mailing State: CA
Mailing Zip Code: 95811
Record Id: PR0230189
Pe #: 2302
Current Status: 2

Facility Id: FA0006179
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: CALIFORNIA HIGHWAY PATROL
Mailing Care Of: Not reported
Mailing Address: 601 NORTH SEVENTH STREET
Mailing City: SACRAMENTO
Mailing State: CA
Mailing Zip Code: 95811
Record Id: PR0220189
Pe #: 2202
Current Status: 1

Facility Id: FA0006179
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: CALIFORNIA HIGHWAY PATROL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALIFORNIA HIGHWAY PATROL (Continued)

U001580682

Mailing Care Of: Not reported
Mailing Address: 601 NORTH SEVENTH STREET
Mailing City: SACRAMENTO
Mailing State: CA
Mailing Zip Code: 95811
Record Id: PR0210189
Pe #: 2161
Current Status: 1

Facility Id: FA0006179
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: CALIFORNIA HIGHWAY PATROL
Mailing Care Of: Not reported
Mailing Address: 601 NORTH SEVENTH STREET
Mailing City: SACRAMENTO
Mailing State: CA
Mailing Zip Code: 95811
Record Id: PR0511496
Pe #: 1704
Current Status: 4

E23
North
1/8-1/4
0.163 mi.
862 ft.

CA HWY PATROL - GOLETA
6465 CALLE REAL
GOLETA, CA 93117

AST A100339799
N/A

Site 3 of 3 in cluster E

Relative:
Higher

AST:
Owner: CALIFORNIA HIGHWAY PATROL
Total Gallons: 10,000
Certified Unified Program Agencies: Santa Barbara

Actual:
51 ft.

F24
North
1/8-1/4
0.179 mi.
945 ft.

VISCARRAS REFINISHING
6489 CALLE REAL SUITE F
GOLETA, CA

RCRA-SQG 1000168003
FINDS CAD981655756

Site 1 of 5 in cluster F

Relative:
Higher

RCRA-SQG:
Date form received by agency: 09/15/1986
Facility name: VISCARRAS REFINISHING
Facility address: 6489 CALLE REAL SUITE F
GOLETA, CA 93117
EPA ID: CAD981655756
Contact: ENVIRONMENTAL MANAGER
Contact address: 6489 CALLE REAL SUITE F
GOLETA, CA 93117
Contact country: US
Contact telephone: (805) 967-7615
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous

Actual:
49 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISCARRAS REFINISHING (Continued)

1000168003

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: RANDOLPH A VISCARRA
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002739449

Environmental Interest/Information System

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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D25
SSW
1/8-1/4
0.187 mi.
986 ft.

6470 HOLLISTER AVE
GOLETA, CA 93117

Site 2 of 2 in cluster D

EDR US Hist Auto Stat

1015589679
N/A

Relative:
Lower

EDR Historical Auto Stations:

Name: GOLETA CHEVRON SERVICE
Year: 2001
Address: 6470 HOLLISTER AVE

Actual:
9 ft.

Name: GOLETA CHEVRON
Year: 2003
Address: 6470 HOLLISTER AVE

Name: GOLETA CHEVRON SERVICE
Year: 2004
Address: 6470 HOLLISTER AVE

Name: RON NEGUS CHEVRON INC
Year: 2005
Address: 6470 HOLLISTER AVE

Name: GOLETA CHEVRON SERVICE
Year: 2006
Address: 6470 HOLLISTER AVE

G26
SSW
1/8-1/4
0.192 mi.
1014 ft.

CHEVRON #9-4419
6470 HOLLISTER AVE
GOLETA, CA 93117

Site 1 of 8 in cluster G

LUST U003786628
N/A

Relative:
Lower

LUST REG 3:

Region: 3
Regional Board: Central Coast Region
Facility County: Santa Barbara
Global ID: T0608300535
Status: Case Closed
Case Number: 3108
Local Case Num: 50243
Case Type: A
Substance: Waste Oil
Quantity: Not reported
Abatement Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Leak Source: Not reported
Leak Cause: Not reported
How Stopped: Not reported
How Discovered: Not reported
Release Date: 03/16/1989
Discovered Date: 3/16/89
Enter Date: / /
Stop Date: Not reported
Review Date: / /
Enforce Date: 1/1/65
Close Date: 4/26/90
Enforcement Type: None Taken
Responsible Party: Not reported
RP Address: Not reported

Actual:
11 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-4419 (Continued)

U003786628

Contact: Not reported
Cross Street: Not reported
Local Agency: 42000L
Lead Agency: Local Agency
Staff Initials: RBA
Confirm Leak: 3/28/89
Workplan: 4/18/90
Prelim Assess: 2/22/90
Pollution Char: 02/28/1990
Remedial Plan: 3/2/90
Remedial Action: 3/21/90
Monitoring: / /
Pilot Program: LOP
Interim Action: Not reported
Funding: S
MTBE Class: Not reported
Max MTBE Grnd Wtr: 959
Max MTBE Soil: Not reported
Max MTBE Data: 06/01/2001
MTBE Tested: YES
Lat/Long: 34.4310057 / -119.8529242
Soil Qualifier: Not reported
Grnd Wtr Qualifier: =
Mtbe Concentratn: 2
Mtbe Fuel: 0
Org Name: Not reported
Basin Plan: Not reported
Beneficial: Not reported
Priority: -0-
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: GOLETA WATER DISTRICT
Well Name: RAYTHEON 02 - ABANDONED
Distance From Well: 0
Assigned Name: 04N/28W-18C04 S
Summary: Not reported

G27 94419
SSW 6470 HOLLISTER AVE
1/8-1/4 GOLETA, CA 93117
0.192 mi.
1014 ft. Site 2 of 8 in cluster G

LUST U001580672
HIST UST N/A
CUPA Listings

Relative:
Lower

LUST:
Region: STATE
Global Id: T0608300535
Latitude: 34.431074572
Longitude: -119.854272226
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/26/1990
Lead Agency: SANTA BARBARA COUNTY LOP
Case Worker: CSB
Local Agency: SANTA BARBARA COUNTY LOP
RB Case Number: 3108
LOC Case Number: 50243
File Location: Stored electronically as an E-file

Actual:
11 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

94419 (Continued)

U001580672

Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: COMPLETE LOP FILE HAS BEEN UPLOADED TO GEOTRACKER WEBSITE - HARD COPIES NO LONGER EXIST IN LOP FILES

[Click here to access the California GeoTracker records for this facility:](#)

Status History:

Global Id: T0608300535
Status: Completed - Case Closed
Status Date: 04/26/1990

Global Id: T0608300535
Status: Open - Remediation
Status Date: 03/02/1990

Global Id: T0608300535
Status: Open - Remediation
Status Date: 03/21/1990

Global Id: T0608300535
Status: Open - Case Begin Date
Status Date: 03/16/1989

Global Id: T0608300535
Status: Open - Site Assessment
Status Date: 03/28/1989

Global Id: T0608300535
Status: Open - Site Assessment
Status Date: 02/22/1990

Global Id: T0608300535
Status: Open - Site Assessment
Status Date: 02/28/1990

Global Id: T0608300535
Status: Open - Site Assessment
Status Date: 04/18/1990

Regulatory Activities:

Global Id: T0608300535
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0608300535
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0608300535
Action Type: RESPONSE
Date: 02/22/1990
Action: Soil and Water Investigation Workplan

Global Id: T0608300535

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

94419 (Continued)

U001580672

Action Type: RESPONSE
Date: 05/17/1988
Action: Other Report / Document

Global Id: T0608300535
Action Type: RESPONSE
Date: 04/25/1989
Action: Other Report / Document

Global Id: T0608300535
Action Type: RESPONSE
Date: 03/03/1990
Action: Other Report / Document

Global Id: T0608300535
Action Type: RESPONSE
Date: 02/26/1991
Action: Other Report / Document

Global Id: T0608300535
Action Type: RESPONSE
Date: 04/18/1989
Action: Other Report / Document

Global Id: T0608300535
Action Type: RESPONSE
Date: 10/31/2013
Action: Other Report / Document

Global Id: T0608300535
Action Type: RESPONSE
Date: 10/31/2013
Action: Other Report / Document

Global Id: T0608300535
Action Type: RESPONSE
Date: 03/22/1991
Action: Other Report / Document

Global Id: T0608300535
Action Type: RESPONSE
Date: 04/06/1990
Action: Soil and Water Investigation Report

Global Id: T0608300535
Action Type: RESPONSE
Date: 05/12/2000
Action: Monitoring Report - Quarterly

Region: STATE
Global Id: T0608300557
Latitude: 34.431037959
Longitude: -119.854281007
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/01/2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

94419 (Continued)

U001580672

Lead Agency: SANTA BARBARA COUNTY LOP
Case Worker: CSB
Local Agency: SANTA BARBARA COUNTY LOP
RB Case Number: 313
LOC Case Number: 502431
File Location: Stored electronically as an E-file
Potential Media Affect: Aquifer used for drinking water supply, Soil, Surface water
Potential Contaminants of Concern: MTBE / TBA / Other Fuel Oxygenates, Gasoline
Site History: This case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by FPD. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. Please refer to the site specific documentation submitted to the SWRCBs GeoTracker database for additional information. COMPLETE LOP FILE HAS BEEN UPLOADED TO GEOTRACKER WEBSITE - HARD COPIES NO LONGER EXIST IN LOP FILES

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0608300557
Contact Type: Regional Board Caseworker
Contact Name: RB3 STAFF
Organization Name: CENTRAL COAST RWQCB (REGION 3)
Address: 895 AEROVISTA PL, SUITE 101
City: SAN LUIS OBISPO
Email: centralcoast@waterboards.ca.gov
Phone Number: 8055493147

Global Id: T0608300557
Contact Type: Local Agency Caseworker
Contact Name: CLOSED Santa Barbara Co LOP SITES
Organization Name: SANTA BARBARA COUNTY LOP
Address: 2125 S. Centerpointe Parkway, Suite #333
City: Santa Maria
Email: paul.mccaw@sbcphd.org
Phone Number: 8053468359

Status History:

Global Id: T0608300557
Status: Open - Site Assessment
Status Date: 02/08/1991

Global Id: T0608300557
Status: Open - Site Assessment
Status Date: 02/12/1991

Global Id: T0608300557
Status: Open - Verification Monitoring
Status Date: 12/23/2008

Global Id: T0608300557
Status: Open - Site Assessment
Status Date: 02/26/1993

Global Id: T0608300557

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

94419 (Continued)

U001580672

Status: Open - Site Assessment
Status Date: 11/16/1993

Global Id: T0608300557
Status: Open - Eligible for Closure
Status Date: 05/08/2013

Global Id: T0608300557
Status: Open - Case Begin Date
Status Date: 02/08/1991

Global Id: T0608300557
Status: Completed - Case Closed
Status Date: 11/01/2013

Global Id: T0608300557
Status: Completed - Case Closed
Status Date: 11/01/2013

Global Id: T0608300557
Status: Open - Site Assessment
Status Date: 11/16/1995

Global Id: T0608300557
Status: Open - Remediation
Status Date: 09/03/2008

Global Id: T0608300557
Status: Open - Site Assessment
Status Date: 12/23/2008

Regulatory Activities:

Global Id: T0608300557
Action Type: ENFORCEMENT
Date: 08/09/2007
Action: Technical Correspondence / Assistance / Other

Global Id: T0608300557
Action Type: ENFORCEMENT
Date: 09/16/2008
Action: Site Visit / Inspection / Sampling

Global Id: T0608300557
Action Type: ENFORCEMENT
Date: 09/17/2008
Action: Site Visit / Inspection / Sampling

Global Id: T0608300557
Action Type: ENFORCEMENT
Date: 10/09/2008
Action: Site Visit / Inspection / Sampling

Global Id: T0608300557
Action Type: ENFORCEMENT
Date: 09/08/2008
Action: Site Visit / Inspection / Sampling

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

94419 (Continued)

U001580672

Global Id:	T0608300557
Action Type:	ENFORCEMENT
Date:	10/10/2008
Action:	Site Visit / Inspection / Sampling
Global Id:	T0608300557
Action Type:	ENFORCEMENT
Date:	10/22/2008
Action:	Site Visit / Inspection / Sampling
Global Id:	T0608300557
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0608300557
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation
Global Id:	T0608300557
Action Type:	ENFORCEMENT
Date:	10/20/2010
Action:	Notice to Comply
Global Id:	T0608300557
Action Type:	ENFORCEMENT
Date:	07/31/2007
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0608300557
Action Type:	ENFORCEMENT
Date:	04/24/2008
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0608300557
Action Type:	ENFORCEMENT
Date:	03/26/2008
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0608300557
Action Type:	ENFORCEMENT
Date:	07/15/2010
Action:	Notice to Comply
Global Id:	T0608300557
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Pump & Treat (P&T) Groundwater
Global Id:	T0608300557
Action Type:	ENFORCEMENT
Date:	11/01/2013
Action:	Closure/No Further Action Letter
Global Id:	T0608300557
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

94419 (Continued)

U001580672

Date: 11/01/2013
Action: LOP Case Closure Summary to RB

Global Id: T0608300557
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

Global Id: T0608300557
Action Type: RESPONSE
Date: 08/27/2007
Action: Other Report / Document

Global Id: T0608300557
Action Type: ENFORCEMENT
Date: 05/25/2007
Action: Technical Correspondence / Assistance / Other

Global Id: T0608300557
Action Type: RESPONSE
Date: 01/20/2011
Action: Monitoring Report - Quarterly

Global Id: T0608300557
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0608300557
Action Type: RESPONSE
Date: 10/31/2013
Action: Request for Closure - Regulator Responded

Global Id: T0608300557
Action Type: RESPONSE
Date: 04/19/2004
Action: Monitoring Report - Quarterly

Global Id: T0608300557
Action Type: RESPONSE
Date: 09/18/1996
Action: Other Report / Document

Global Id: T0608300557
Action Type: ENFORCEMENT
Date: 07/01/2013
Action: Staff Letter

Global Id: T0608300557
Action Type: RESPONSE
Date: 04/28/1995
Action: Monitoring Report - Quarterly

Global Id: T0608300557
Action Type: ENFORCEMENT
Date: 09/11/2008
Action: Site Visit / Inspection / Sampling

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

94419 (Continued)

U001580672

Global Id: T0608300557
Action Type: Other
Date: 01/01/1950
Action: Leak Began

Global Id: T0608300557
Action Type: RESPONSE
Date: 03/31/1994
Action: Monitoring Report - Quarterly

Global Id: T0608300557
Action Type: RESPONSE
Date: 04/18/2002
Action: Monitoring Report - Quarterly

Global Id: T0608300557
Action Type: RESPONSE
Date: 04/16/1996
Action: Unknown

Global Id: T0608300557
Action Type: RESPONSE
Date: 09/06/2007
Action: Other Report / Document

Global Id: T0608300557
Action Type: RESPONSE
Date: 11/01/2013
Action: Other Report / Document

Global Id: T0608300557
Action Type: RESPONSE
Date: 04/19/1999
Action: Monitoring Report - Quarterly

Global Id: T0608300557
Action Type: RESPONSE
Date: 05/12/2000
Action: Monitoring Report - Quarterly

Global Id: T0608300557
Action Type: RESPONSE
Date: 06/12/1996
Action: Other Report / Document

Global Id: T0608300557
Action Type: RESPONSE
Date: 03/22/1991
Action: Other Report / Document

Global Id: T0608300557
Action Type: RESPONSE
Date: 03/11/1993
Action: Site Assessment Report

Global Id: T0608300557
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

94419 (Continued)

U001580672

Date: 03/04/1997
Action: Monitoring Report - Quarterly

Global Id: T0608300557
Action Type: RESPONSE
Date: 04/02/1998
Action: Monitoring Report - Quarterly

Global Id: T0608300557
Action Type: RESPONSE
Date: 01/08/2003
Action: Monitoring Report - Quarterly

Global Id: T0608300557
Action Type: RESPONSE
Date: 07/09/2004
Action: Other Report / Document

Global Id: T0608300557
Action Type: RESPONSE
Date: 06/30/1993
Action: Site Assessment Report

Global Id: T0608300557
Action Type: RESPONSE
Date: 08/20/1996
Action: Site Assessment Report

Global Id: T0608300557
Action Type: RESPONSE
Date: 05/04/2005
Action: Other Report / Document

Global Id: T0608300557
Action Type: RESPONSE
Date: 11/01/2013
Action: Other Report / Document

Global Id: T0608300557
Action Type: RESPONSE
Date: 02/16/1993
Action: Other Report / Document

Global Id: T0608300557
Action Type: RESPONSE
Date: 05/23/2008
Action: Other Report / Document

Global Id: T0608300557
Action Type: RESPONSE
Date: 05/23/2008
Action: Other Report / Document

Global Id: T0608300557
Action Type: RESPONSE
Date: 07/25/1993
Action: Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

94419 (Continued)

U001580672

Global Id: T0608300557
Action Type: RESPONSE
Date: 08/08/2007
Action: Other Report / Document

Global Id: T0608300557
Action Type: RESPONSE
Date: 06/13/1996
Action: Other Report / Document

Global Id: T0608300557
Action Type: RESPONSE
Date: 04/06/1990
Action: Site Assessment Report

Global Id: T0608300557
Action Type: RESPONSE
Date: 02/26/1991
Action: Other Report / Document

Global Id: T0608300557
Action Type: RESPONSE
Date: 02/05/1997
Action: Soil and Water Investigation Workplan

Global Id: T0608300557
Action Type: ENFORCEMENT
Date: 05/27/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0608300557
Action Type: RESPONSE
Date: 08/24/2011
Action: Soil and Water Investigation Workplan

Global Id: T0608300557
Action Type: RESPONSE
Date: 12/15/2011
Action: Correspondence

Global Id: T0608300557
Action Type: RESPONSE
Date: 04/09/2003
Action: Monitoring Report - Quarterly

Global Id: T0608300557
Action Type: RESPONSE
Date: 01/30/2004
Action: Site Assessment Report

Global Id: T0608300557
Action Type: RESPONSE
Date: 01/24/2002
Action: Other Report / Document

Global Id: T0608300557
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

94419 (Continued)

U001580672

Date: 07/11/1996
Action: Interim Remedial Action Report

Global Id: T0608300557
Action Type: RESPONSE
Date: 07/02/1996
Action: Other Report / Document

Global Id: T0608300557
Action Type: RESPONSE
Date: 12/17/1993
Action: Other Report / Document

Global Id: T0608300557
Action Type: RESPONSE
Date: 05/02/2005
Action: Other Report / Document

Global Id: T0608300557
Action Type: RESPONSE
Date: 01/02/2001
Action: Site Assessment Report

Global Id: T0608300557
Action Type: RESPONSE
Date: 04/16/1996
Action: Unknown

Global Id: T0608300557
Action Type: RESPONSE
Date: 04/16/1996
Action: Monitoring Report - Quarterly

Global Id: T0608300557
Action Type: RESPONSE
Date: 09/13/2004
Action: Site Assessment Report

Global Id: T0608300557
Action Type: RESPONSE
Date: 08/20/1996
Action: Other Report / Document

Global Id: T0608300557
Action Type: RESPONSE
Date: 04/17/2001
Action: Monitoring Report - Quarterly

Global Id: T0608300557
Action Type: RESPONSE
Date: 02/22/1994
Action: Site Assessment Report

Global Id: T0608300557
Action Type: RESPONSE
Date: 05/23/1997
Action: Site Assessment Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

94419 (Continued)

U001580672

Global Id: T0608300557
Action Type: RESPONSE
Date: 11/04/2002
Action: Site Assessment Report

Global Id: T0608300557
Action Type: RESPONSE
Date: 03/11/1993
Action: Site Assessment Report

Global Id: T0608300557
Action Type: RESPONSE
Date: 10/27/1993
Action: Soil and Water Investigation Workplan

Global Id: T0608300557
Action Type: RESPONSE
Date: 07/18/2001
Action: Soil and Water Investigation Workplan

Global Id: T0608300557
Action Type: RESPONSE
Date: 09/16/2003
Action: Soil and Water Investigation Workplan

Global Id: T0608300557
Action Type: RESPONSE
Date: 12/14/1998
Action: Soil and Water Investigation Workplan

Global Id: T0608300557
Action Type: RESPONSE
Date: 07/23/2004
Action: Soil and Water Investigation Workplan

Global Id: T0608300557
Action Type: RESPONSE
Date: 05/15/2007
Action: Correspondence

Global Id: T0608300557
Action Type: RESPONSE
Date: 10/01/2003
Action: Other Report / Document

Global Id: T0608300557
Action Type: RESPONSE
Date: 02/05/2004
Action: Other Report / Document

Global Id: T0608300557
Action Type: ENFORCEMENT
Date: 10/22/2009
Action: File Review - Closure

Global Id: T0608300557
Action Type: ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

94419 (Continued)

U001580672

Date: 08/10/2011
Action: Notice to Comply

Global Id: T0608300557
Action Type: ENFORCEMENT
Date: 09/15/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0608300557
Action Type: ENFORCEMENT
Date: 05/26/2011
Action: Notice to Comply

Global Id: T0608300557
Action Type: RESPONSE
Date: 07/29/2010
Action: Electronic Reporting Submittal Due

HIST UST:

Region: STATE
Facility ID: 00000062623
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0004
Contact Name: NEGUS, RONALD L
Telephone: 8059689696
Owner Name: CHEVRON U.S.A. INC.
Owner Address: 575 MARKET
Owner City, St, Zip: SAN FRANCISCO, CA 94105

Tank Num: 001
Container Num: 1
Year Installed: 1972
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000250 unknown
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1972
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000250 unknown
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1972
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000250 unknown
Leak Detection: Stock Inventor

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

94419 (Continued)

U001580672

Tank Num: 004
Container Num: 4
Year Installed: 1972
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 0000130 unknown
Leak Detection: Stock Inventor

CUPA SANTA BARBARA:

Facility Id: FA0006180
Region: SANTA BARBARA
Cross Street: LOS CARNEROS
Latitude: Not reported
Longitude: Not reported
Mailing Name: CHEVRON USA PRODUCTS CO
Mailing Care Of: PERMIT DESK
Mailing Address: PO BOX 6004
Mailing City: SAN RAMON
Mailing State: CA
Mailing Zip Code: 945836004
Record Id: PR0210243
Pe #: 2162
Current Status: 2

Facility Id: FA0006180
Region: SANTA BARBARA
Cross Street: LOS CARNEROS
Latitude: Not reported
Longitude: Not reported
Mailing Name: CHEVRON USA PRODUCTS CO
Mailing Care Of: PERMIT DESK
Mailing Address: PO BOX 6004
Mailing City: SAN RAMON
Mailing State: CA
Mailing Zip Code: 945836004
Record Id: PR0220243
Pe #: 2203
Current Status: 2

Facility Id: FA0006180
Region: SANTA BARBARA
Cross Street: LOS CARNEROS
Latitude: Not reported
Longitude: Not reported
Mailing Name: CHEVRON USA PRODUCTS CO
Mailing Care Of: PERMIT DESK
Mailing Address: PO BOX 6004
Mailing City: SAN RAMON
Mailing State: CA
Mailing Zip Code: 945836004
Record Id: PR0230243
Pe #: 2302
Current Status: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G28
SSW
1/8-1/4
0.192 mi.
1014 ft.

CHEVRON STATION #9-4419
6470 HOLLISTER AVE
GOLETA, CA 93117

CA FID UST **S101594144**
SWEEPS UST **N/A**

Site 3 of 8 in cluster G

Relative:
Lower

CA FID UST:
Facility ID: 42000282
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8059689696
Mail To: Not reported
Mailing Address: 6470 HOLLISTER AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: GOLETA 93117
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Actual:
11 ft.

SWEEPS UST:

Status: Active
Comp Number: 243
Number: 9
Board Of Equalization: 44-000999
Referral Date: 04-06-93
Action Date: 04-06-93
Created Date: 09-18-91
Owner Tank Id: 4
SWRCB Tank Id: 42-000-000243-000001
Tank Status: A
Capacity: 1000
Active Date: 03-02-92
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: 4

Status: Active
Comp Number: 243
Number: 9
Board Of Equalization: 44-000999
Referral Date: 04-06-93
Action Date: 04-06-93
Created Date: 09-18-91
Owner Tank Id: 1
SWRCB Tank Id: 42-000-000243-000002
Tank Status: A
Capacity: 10000
Active Date: 03-02-92
Tank Use: UNKNOWN
STG: P
Content: LEADED GASOL
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-4419 (Continued)

S101594144

Status: Active
Comp Number: 243
Number: 9
Board Of Equalization: 44-000999
Referral Date: 04-06-93
Action Date: 04-06-93
Created Date: 09-18-91
Owner Tank Id: 2
SWRCB Tank Id: 42-000-000243-000003
Tank Status: A
Capacity: 10000
Active Date: 03-02-92
Tank Use: UNKNOWN
STG: P
Content: REGULAR UNLE
Number Of Tanks: Not reported

Status: Active
Comp Number: 243
Number: 9
Board Of Equalization: 44-000999
Referral Date: 04-06-93
Action Date: 04-06-93
Created Date: 09-18-91
Owner Tank Id: 3
SWRCB Tank Id: 42-000-000243-000004
Tank Status: A
Capacity: 5000
Active Date: 03-02-92
Tank Use: UNKNOWN
STG: P
Content: REGULAR UNLE
Number Of Tanks: Not reported

G29
SSW
1/8-1/4
0.192 mi.
1014 ft.

CHEVRON STATION
6470 HOLLISTER AVE
GOLETA, CA 93117
Site 4 of 8 in cluster G

LUST S100390452
N/A

Relative:
Lower

LUST REG 3:
Region: 3
Regional Board: Central Coast Region
Facility County: Santa Barbara
Global ID: T0608300557
Status: Preliminary site assessment underway
Case Number: 313
Local Case Num: 502431
Case Type: A
Substance: Gasoline
Quantity: Not reported
Abatement Method: Other
Leak Source: Piping
Leak Cause: UNK
How Stopped: Other Means
How Discovered: OM
Release Date: 02/08/1991
Discovered Date: 2/8/91

Actual:
11 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION (Continued)

S100390452

Enter Date: / /
Stop Date: Not reported
Review Date: / /
Enforce Date: 1/1/65
Close Date: Not reported
Enforcement Type: None Taken
Responsible Party: H C R LTD
RP Address: PO BOX 1392
Contact: Not reported
Cross Street: Not reported
Local Agency: 42000L
Lead Agency: Local Agency
Staff Initials: SMS
Confirm Leak: 2/12/91
Workplan: 11/16/93
Prelim Assess: 11/16/95
Pollution Char: 02/26/1993
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Pilot Program: LOP
Interim Action: Not reported
Funding: F
MTBE Class: B
Max MTBE Grnd Wtr: 557
Max MTBE Soil: 0
Max MTBE Data: 09/05/2001
MTBE Tested: YES
Lat/Long: 34.9725563 / -120.571668
Soil Qualifier: ND
Grnd Wtr Qualifier: =
Mtbe Concentratn: 6
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: Not reported
Beneficial: Not reported
Priority: 2A3
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: GUADALUPE WATER DEPARTMENT
Well Name: WELL 01A 9TH ST.
Distance From Well: 0
Assigned Name: 10N/35W-04P03 S
Summary: Not reported

G30
SSW
1/8-1/4
0.192 mi.
1014 ft.

GOLETA VALLEY CHEVRO
6470 HOLLISTER AVE
SANTA BARBARA, CA
Site 5 of 8 in cluster G

EDR US Hist Auto Stat **1009066415**
N/A

Relative:
Lower

EDR Historical Auto Stations:
Name: GOLETA VALLEY CHEVRO
Year: 1981

Actual:
11 ft.

Type: GASOLINE STATIONS
Name: GOLETA CHEVRO

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GOLETA VALLEY CHEVRO (Continued)

1009066415

Year: 1985
 Type: GASOLINE STATIONS

G31
SSW
1/8-1/4
0.192 mi.
1014 ft.

CHEVRON 94419
6470 HOLLISTER AVE.
GOLETA, CA 93117

RCRA-SQG

1005904492
CAR000123232

Site 6 of 8 in cluster G

Relative:
Lower

RCRA-SQG:

Actual:
11 ft.

Date form received by agency: 02/16/2006
 Facility name: CHEVRON 94419
 Facility address: 6470 HOLLISTER AVE.
 GOLETA, CA 93117
 EPA ID: CAR000123232
 Mailing address: PO BOX 6004
 SAN RAMON, CA 94583
 Contact: KATHY L NORRIS
 Contact address: Not reported
 Not reported
 Contact country: Not reported
 Contact telephone: (925) 842-5931
 Contact email: KNORRIS@CHEVRON.COM
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CHEVRON USA INC.
 Owner/operator address: Not reported
 Not reported
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: 01/01/2000
 Owner/Op end date: Not reported

Owner/operator name: CHEVRON PRODUCTS CO
 Owner/operator address: P O BOX 6004
 SAN RAMON, CA 94583
 Owner/operator country: Not reported
 Owner/operator telephone: (925) 842-5931
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: CHEVRON USA INC.
 Owner/operator address: PO BOX 6004
 SAN RAMON, CA 94583
 Owner/operator country: US
 Owner/operator telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON 94419 (Continued)

1005904492

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2000
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/16/2006
Facility name: CHEVRON 94419
Classification: Large Quantity Generator

Date form received by agency: 05/16/2002
Facility name: CHEVRON 94419
Site name: CHEVRON STATION NO 94419
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Waste code: 223
Waste name: 223

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON 94419 (Continued)

1005904492

Waste code: D018
Waste name: BENZENE

Violation Status: No violations found

G32
SSW
1/8-1/4
0.192 mi.
1014 ft.

FEDERAL EXPRESS
6466 HOLLISTER AVE
GOLETA, CA 93117

Site 7 of 8 in cluster G

CUPA Listings **S103668072**
WDS **N/A**

Relative:
Lower

CUPA SANTA BARBARA:

Facility Id: FA0010252
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: FEDERAL EXPRESS CORPORATION
Mailing Care Of: Not reported
Mailing Address: 3620 HACKS CROSS RD.
Mailing City: MEMPHIS
Mailing State: TN
Mailing Zip Code: 38125
Record Id: PR0500304
Pe #: 2161
Current Status: 2

Actual:
11 ft.

Facility Id: FA0010252
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: FEDERAL EXPRESS CORPORATION
Mailing Care Of: Not reported
Mailing Address: 3620 HACKS CROSS RD.
Mailing City: MEMPHIS
Mailing State: TN
Mailing Zip Code: 38125
Record Id: PR0501013
Pe #: 2201
Current Status: 2

CA WDS:

Facility ID: Central Coastal 421005988
Facility Type: Not reported
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 3
Facility Telephone: Not reported
Facility Contact: Not reported
Agency Name: FEDERAL EXPRESS
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FEDERAL EXPRESS (Continued)

S103668072

SIC Code: 0
 SIC Code 2: Not reported
 Primary Waste Type: Not reported
 Primary Waste: Not reported
 Waste Type2: Not reported
 Waste2: Not reported
 Primary Waste Type: Not reported
 Secondary Waste: Not reported
 Secondary Waste Type: Not reported
 Design Flow: 0
 Baseline Flow: 0
 Reclamation: Not reported
 POTW: Not reported
 Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
 Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

**H33
 SE
 1/8-1/4
 0.193 mi.
 1018 ft.**

**ARROWHEAD DRINKING WATER
 122 AERO CAMINO
 GOLETA, CA 91754**

**HIST CORTESE S102424663
 LUST N/A**

Site 1 of 7 in cluster H

**Relative:
 Lower**

HIST CORTESE:
 Region: CORTESE
 Facility County Code: 42
 Reg By: LTNKA
 Reg Id: 198

**Actual:
 15 ft.**

LUST REG 3:

Region: 3
 Regional Board: Central Coast Region
 Facility County: Santa Barbara
 Global ID: T0608300062
 Status: Case Closed
 Case Number: 198
 Local Case Num: 50139
 Case Type: A
 Substance: Diesel
 Quantity: Not reported
 Abatement Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
 Leak Source: Not reported
 Leak Cause: Not reported
 How Stopped: Not reported
 How Discovered: Not reported
 Release Date: 02/15/1989
 Discovered Date: 2/15/89

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARROWHEAD DRINKING WATER (Continued)

S102424663

Enter Date: / /
Stop Date: Not reported
Review Date: / /
Enforce Date: 2/15/89
Close Date: 6/15/90
Enforcement Type: EF
Responsible Party: Not reported
RP Address: Not reported
Contact: Not reported
Cross Street: Not reported
Local Agency: 42000L
Lead Agency: Local Agency
Staff Initials: RBA
Confirm Leak: 2/15/89
Workplan: 6/14/88
Prelim Assess: 3/20/89
Pollution Char: 06/09/1989
Remedial Plan: 6/28/89
Remedial Action: 7/25/89
Monitoring: 07/25/1989
Pilot Program: LOP
Interim Action: Not reported
Funding: S
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NRQ
Lat/Long: 34.4315708 / -119.8481312
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 0
Org Name: Not reported
Basin Plan: Not reported
Beneficial: Not reported
Priority: -0-
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: DORAL NEELEY
Well Name: WELL
Distance From Well: 0
Assigned Name: 04N/28W-17D06 S
Summary: Not reported

H34
SE
1/8-1/4
0.193 mi.
1018 ft.

ARROWHEAD SANTA BARBARA BRANCH
122 AERO CAMINO
GOLETA, CA 93017
Site 2 of 7 in cluster H

LUST U001579554
HIST UST N/A
CUPA Listings

Relative:
Lower

LUST:
Region: STATE
Global Id: T0608300062
Latitude: 34.433717469
Longitude: -119.847909735
Case Type: LUST Cleanup Site

Actual:
15 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARROWHEAD SANTA BARBARA BRANCH (Continued)

U001579554

Status: Completed - Case Closed
Status Date: 06/15/1990
Lead Agency: SANTA BARBARA COUNTY LOP
Case Worker: CSB
Local Agency: SANTA BARBARA COUNTY LOP
RB Case Number: 198
LOC Case Number: 50139
File Location: Stored electronically as an E-file
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: COMPLETE LOP FILE HAS BEEN UPLOADED TO GEOTRACKER WEBSITE - HARD COPIES NO LONGER EXIST IN LOP FILES

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608300062
Contact Type: Local Agency Caseworker
Contact Name: CLOSED Santa Barbara Co LOP SITES
Organization Name: SANTA BARBARA COUNTY LOP
Address: 2125 S. Centerpointe Parkway, Suite #333
City: Santa Maria
Email: paul.mccaw@sbcphd.org
Phone Number: 8053468359

Status History:

Global Id: T0608300062
Status: Completed - Case Closed
Status Date: 06/15/1990

Global Id: T0608300062
Status: Open - Verification Monitoring
Status Date: 07/25/1989

Global Id: T0608300062
Status: Open - Remediation
Status Date: 06/28/1989

Global Id: T0608300062
Status: Open - Remediation
Status Date: 07/25/1989

Global Id: T0608300062
Status: Open - Case Begin Date
Status Date: 06/14/1988

Global Id: T0608300062
Status: Open - Site Assessment
Status Date: 06/14/1988

Global Id: T0608300062
Status: Open - Site Assessment
Status Date: 02/15/1989

Global Id: T0608300062
Status: Open - Site Assessment
Status Date: 03/20/1989

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARROWHEAD SANTA BARBARA BRANCH (Continued)

U001579554

Global Id: T0608300062
Status: Open - Site Assessment
Status Date: 06/09/1989

Regulatory Activities:

Global Id: T0608300062
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0608300062
Action Type: RESPONSE
Date: 02/29/2012
Action: Other Report / Document

Global Id: T0608300062
Action Type: ENFORCEMENT
Date: 02/15/1989
Action: * Historical Enforcement

Global Id: T0608300062
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0608300062
Action Type: RESPONSE
Date: 03/03/1989
Action: Other Report / Document

Global Id: T0608300062
Action Type: RESPONSE
Date: 06/15/1990
Action: Other Report / Document

Global Id: T0608300062
Action Type: RESPONSE
Date: 06/15/1990
Action: Other Report / Document

Global Id: T0608300062
Action Type: RESPONSE
Date: 03/20/1989
Action: Other Workplan

Global Id: T0608300062
Action Type: RESPONSE
Date: 04/04/1988
Action: Other Report / Document

Global Id: T0608300062
Action Type: RESPONSE
Date: 01/15/1990
Action: Site Assessment Report

Global Id: T0608300062
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARROWHEAD SANTA BARBARA BRANCH (Continued)

U001579554

Date: 06/14/1988
Action: Other Workplan

Global Id: T0608300062
Action Type: RESPONSE
Date: 06/14/1988
Action: Monitoring Report - Other

Global Id: T0608300062
Action Type: RESPONSE
Date: 06/27/1997
Action: Other Report / Document

Global Id: T0608300062
Action Type: RESPONSE
Date: 06/09/1989
Action: Monitoring Report - Other

Global Id: T0608300062
Action Type: RESPONSE
Date: 12/19/1988
Action: Conceptual Site Model

Global Id: T0608300062
Action Type: RESPONSE
Date: 07/15/1990
Action: Other Report / Document

HIST UST:

Region: STATE
Facility ID: 00000012490
Facility Type: Other
Other Type: BOTTLED WATER
Total Tanks: 0001
Contact Name: SOMMERS ART
Telephone: 8059682500
Owner Name: ARROWHEAD WATERS INC.
Owner Address: #2 CUPANIA CIRCLE
Owner City,St,Zip: MONTEREY PARK, CA 91754

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor

CUPA SANTA BARBARA:

Facility Id: FA0001233
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ARROWHEAD SANTA BARBARA BRANCH (Continued)

U001579554

Mailing Name: SUNSHINE WHOLESALE ROOFING INC
 Mailing Care Of: Not reported
 Mailing Address: 122 AERO CAMINO
 Mailing City: GOLETA
 Mailing State: CA
 Mailing Zip Code: 93117
 Record Id: PR0214992
 Pe #: 2161
 Current Status: 2

H35
SE
1/8-1/4
0.208 mi.
1100 ft.

CONTINENTAL BAKING CO
153 AERO CAMINO
GOLETA, CA
Site 3 of 7 in cluster H

HIST CORTESE **S102428299**
LUST **N/A**

Relative:
Lower

HIST CORTESE:
 Region: CORTESE
 Facility County Code: 42
 Reg By: LTNKA
 Reg Id: 2249

Actual:
14 ft.

LUST:

Region: STATE
 Global Id: T0608300178
 Latitude: 34.432516911
 Longitude: -119.848754504
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 04/03/1990
 Lead Agency: SANTA BARBARA COUNTY LOP
 Case Worker: Not reported
 Local Agency: Not reported
 RB Case Number: 2249
 LOC Case Number: 51691
 File Location: Stored electronically as an E-file
 Potential Media Affect: Aquifer used for drinking water supply
 Potential Contaminants of Concern: Gasoline
 Site History: COMPLETE SBC LOP FILE HAS BEEN UPLOADED TO GEOTRACKER WEBSITE - HARD COPIES NO LONGER EXIST IN SBC LOP FILES

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id: T0608300178
 Status: Completed - Case Closed
 Status Date: 04/03/1990

Global Id: T0608300178
 Status: Open - Verification Monitoring
 Status Date: 01/04/1990

Global Id: T0608300178
 Status: Open - Remediation
 Status Date: 08/20/1989

Global Id: T0608300178
 Status: Open - Remediation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONTINENTAL BAKING CO (Continued)

S102428299

Status Date: 01/03/1990

Global Id: T0608300178
Status: Open - Case Begin Date
Status Date: 01/10/1989

Global Id: T0608300178
Status: Open - Site Assessment
Status Date: 01/12/1989

Global Id: T0608300178
Status: Open - Site Assessment
Status Date: 02/01/1989

Global Id: T0608300178
Status: Open - Site Assessment
Status Date: 02/06/1989

Global Id: T0608300178
Status: Open - Site Assessment
Status Date: 02/07/1989

Regulatory Activities:

Global Id: T0608300178
Action Type: ENFORCEMENT
Date: 11/01/2013
Action: File review

Global Id: T0608300178
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0608300178
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

LUST REG 3:

Region: 3
Regional Board: Central Coast Region
Facility County: Santa Barbara
Global ID: T0608300178
Status: Case Closed
Case Number: 2249
Local Case Num: 51691
Case Type: A
Substance: Gasoline
Quantity: Not reported
Abatement Method: Excavate and Dispose - remove contaminated soil and dispose in approved site, Pump and Treat Ground Water - generally employed to remove dissolved contaminants

Leak Source: Not reported
Leak Cause: Not reported
How Stopped: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONTINENTAL BAKING CO (Continued)

S102428299

How Discovered: Not reported
Release Date: 01/10/1989
Discovered Date: 1/10/89
Enter Date: / /
Stop Date: Not reported
Review Date: / /
Enforce Date: 1/1/65
Close Date: 4/3/90
Enforcement Type: None Taken
Responsible Party: Not reported
RP Address: Not reported
Contact: Not reported
Cross Street: Not reported
Local Agency: 42000L
Lead Agency: Local Agency
Staff Initials: RBA
Confirm Leak: 2/1/89
Workplan: 1/12/89
Prelim Assess: 2/6/89
Pollution Char: 02/07/1989
Remedial Plan: 8/20/89
Remedial Action: 1/3/90
Monitoring: 01/04/1990
Pilot Program: LOP
Interim Action: Not reported
Funding: S
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NT
Lat/Long: 34.4312928 / -119.8483862
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: Not reported
Beneficial: Not reported
Priority: -0-
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: DORAL NEELEY
Well Name: WELL
Distance From Well: 0
Assigned Name: 04N/28W-17D06 S
Summary: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

H36
SE
1/8-1/4
0.221 mi.
1166 ft.

J S GRAPHIX INC
136 AERO CAMINO
GOLETA, CA 93117

RCRA NonGen / NLR
FINDS 1000146915
CAD076200682

Site 4 of 7 in cluster H

Relative:
Lower

RCRA NonGen / NLR:

Actual:
14 ft.

Date form received by agency: 01/22/1992
Facility name: J S GRAPHIX INC
Facility address: 136 AERO CAMINO
GOLETA, CA 93117
EPA ID: CAD076200682
Contact: JAMES DUTCHER
Contact address: 136 AERO CAMINO
GOLETA, CA 93017
Contact country: US
Contact telephone: (805) 968-1165
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: JAMES DUTCHER
Owner/operator address: 136 AERO CAMINO
GOLETA, CA 93117
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: County
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

J S GRAPHIX INC (Continued)

1000146915

Used oil transporter: No

Historical Generators:

Date form received by agency: 01/22/1992
 Facility name: J S GRAPHIX INC
 Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110006467741

Environmental Interest/Information System

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.

F37
North
1/8-1/4
0.222 mi.
1172 ft.

CINGULAR - GOLETA
6485 CALLE REAL
GOLETA, CA 93117
Site 2 of 5 in cluster F

CUPA Listings **S109280917**
EMI **N/A**

Relative:
Higher

CUPA SANTA BARBARA:

Facility Id: FA0006182
 Region: SANTA BARBARA
 Cross Street: Not reported
 Latitude: Not reported
 Longitude: Not reported
 Mailing Name: NEW CINGULAR WIRELESS dba AT&T
 Mailing Care Of: EH&S DEPT.; SHEILA CABALLERO
 Mailing Address: PO BOX 5095, RM 3E000
 Mailing City: SAN RAMON
 Mailing State: CA
 Mailing Zip Code: 94583
 Record Id: PR0211786
 Pe #: 2161
 Current Status: 1

Actual:
59 ft.

EMI:

Year: 2006
 County Code: 42
 Air Basin: SCC
 Facility ID: 10544
 Air District Name: SB
 SIC Code: 4812
 Air District Name: SANTA BARBARA COUNTY APCD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .03
 Reactive Organic Gases Tons/Yr: .025101
 Carbon Monoxide Emissions Tons/Yr: .06

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CINGULAR - GOLETA (Continued)

S109280917

NOX - Oxides of Nitrogen Tons/Yr: .29
SOX - Oxides of Sulphur Tons/Yr: .01
Particulate Matter Tons/Yr: .02
Part. Matter 10 Micrometers & Smlr Tons/Yr: .01952

Year: 2007
County Code: 42
Air Basin: SCC
Facility ID: 10544
Air District Name: SB
SIC Code: 4812
Air District Name: SANTA BARBARA COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .03
Reactive Organic Gases Tons/Yr: .025101
Carbon Monoxide Emissions Tons/Yr: .06
NOX - Oxides of Nitrogen Tons/Yr: .29
SOX - Oxides of Sulphur Tons/Yr: .01
Particulate Matter Tons/Yr: .02
Part. Matter 10 Micrometers & Smlr Tons/Yr: .01952

Year: 2008
County Code: 42
Air Basin: SCC
Facility ID: 10544
Air District Name: SB
SIC Code: 4812
Air District Name: SANTA BARBARA COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .03
Reactive Organic Gases Tons/Yr: .025101
Carbon Monoxide Emissions Tons/Yr: .06
NOX - Oxides of Nitrogen Tons/Yr: .29
SOX - Oxides of Sulphur Tons/Yr: .01
Particulate Matter Tons/Yr: .02
Part. Matter 10 Micrometers & Smlr Tons/Yr: .01952

Year: 2009
County Code: 42
Air Basin: SCC
Facility ID: 10544
Air District Name: SB
SIC Code: 4812
Air District Name: SANTA BARBARA COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.9999999999999999E-2
Reactive Organic Gases Tons/Yr: 2.5100999999999998E-2
Carbon Monoxide Emissions Tons/Yr: 5.9999999999999998E-2
NOX - Oxides of Nitrogen Tons/Yr: 0.28999999999999998
SOX - Oxides of Sulphur Tons/Yr: 0.01
Particulate Matter Tons/Yr: 0.02
Part. Matter 10 Micrometers & Smlr Tons/Yr: 1.9519999999999999E-2

Year: 2010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CINGULAR - GOLETA (Continued)

S109280917

County Code: 42
Air Basin: SCC
Facility ID: 10544
Air District Name: SB
SIC Code: 4812
Air District Name: SANTA BARBARA COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.9999999999999999E-2
Reactive Organic Gases Tons/Yr: 2.5100999999999998E-2
Carbon Monoxide Emissions Tons/Yr: 5.9999999999999998E-2
NOX - Oxides of Nitrogen Tons/Yr: 0.28999999999999998
SOX - Oxides of Sulphur Tons/Yr: 0.01
Particulate Matter Tons/Yr: 0.02
Part. Matter 10 Micrometers & Smlr Tons/Yr: 1.9519999999999999E-2

Year: 2011
County Code: 42
Air Basin: SCC
Facility ID: 10544
Air District Name: SB
SIC Code: 4812
Air District Name: SANTA BARBARA COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.006513
Reactive Organic Gases Tons/Yr: 0.0054494271
Carbon Monoxide Emissions Tons/Yr: 0.015327
NOX - Oxides of Nitrogen Tons/Yr: 0.07204
SOX - Oxides of Sulphur Tons/Yr: 5e-006
Particulate Matter Tons/Yr: 0.005109
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0.004986384

Year: 2012
County Code: 42
Air Basin: SCC
Facility ID: 10544
Air District Name: SB
SIC Code: 4812
Air District Name: SANTA BARBARA COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.008083
Reactive Organic Gases Tons/Yr: 0.0067630461
Carbon Monoxide Emissions Tons/Yr: 0.019021
NOX - Oxides of Nitrogen Tons/Yr: 0.089405
SOX - Oxides of Sulphur Tons/Yr: 6e-006
Particulate Matter Tons/Yr: 0.00634
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0.00618784

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F38
North
1/8-1/4
0.222 mi.
1172 ft.

VISCARRA'S REFINISHING
6485 CALLE REAL #G
GOLETA, CA 93117

CUPA Listings S110741871
N/A

Site 3 of 5 in cluster F

Relative:
Higher

CUPA SANTA BARBARA:

Facility Id: FA0006183
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: VISCARRA, RANDOLPH
Mailing Care Of: Not reported
Mailing Address: 6485 CALLE REAL G
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0222548
Pe #: 2201
Current Status: 1

Actual:
59 ft.

H39
SE
1/8-1/4
0.222 mi.
1172 ft.

AXSYS TECHNOLOGIES - CLSD 6-2002
137 AERO CAMINO
GOLETA, CA 93117

SLIC S103843315
CUPA Listings N/A

Site 5 of 7 in cluster H

Relative:
Lower

SLIC:

Region: STATE
Facility Status: Open - Verification Monitoring
Status Date: 12/06/2003
Global Id: SLT3S0791309
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Lead Agency Case Number: SMU162
Latitude: 34.43336506
Longitude: -119.8488
Case Type: Cleanup Program Site
Case Worker: AJ
Local Agency: Not reported
RB Case Number: S329
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern: * Chlorinated Solvents - PCE
Site History: Not reported

Actual:
14 ft.

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 3:

Region: 3
Leak Site Cross Street: nearest is Hollister Avenue
Regional Board Case#: S329
Entered Into Database: Not reported
Discovered: RPR
RB Case In: MACALUSO COMPANY
Responsible Party: MR. NICK MACALUSO
RP Contact: Not reported
RP Phone: Not reported
RP Number: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AXSYS TECHNOLOGIES - CLSD 6-2002 (Continued)

S103843315

RP Address: 958 BALLARD CANYON
 RP City,St,Zip: SOLVANG, CA 93463
 Date First Reported: Not reported
 Lead Agency: Regional Board
 Program Type: SLIC
 Facility Status: Pollution Characterization
 Case Type: Drinking Water Aquifer affected
 Case Type Undetermined: No
 Case Type Soil Impacted: No
 Case Type Surface Water: No
 Case Type Drinkin Water Well: No
 Case Type Drinking Water Aqfr: Yes
 Case Type Other Grnd Wtr: No
 PCA: 2030042

CUPA SANTA BARBARA:

Facility Id: FA0001676
 Region: SANTA BARBARA
 Cross Street: Not reported
 Latitude: Not reported
 Longitude: Not reported
 Mailing Name: AXSYS TECHNOLOGIES
 Mailing Care Of: Not reported
 Mailing Address: 2909 WATERVIEW DR
 Mailing City: ROCHESTER HILLS
 Mailing State: MI
 Mailing Zip Code: 48309
 Record Id: PR0223012
 Pe #: 2201
 Current Status: 2

F40
North
1/8-1/4
0.224 mi.
1184 ft.

UCSB MATERIALS RESEARCH LAB
6487 CALLE REAL #B
GOLETA, CA 93117
Site 4 of 5 in cluster F

CUPA Listings S110742043
N/A

Relative:
Higher

Actual:
59 ft.

CUPA SANTA BARBARA:

Facility Id: FA0012363
 Region: SANTA BARBARA
 Cross Street: Not reported
 Latitude: Not reported
 Longitude: Not reported
 Mailing Name: UCSB
 Mailing Care Of: HECTOR ACUNA
 Mailing Address: BLDG 565 - EHS
 Mailing City: SANTA BARBARA
 Mailing State: CA
 Mailing Zip Code: 931065132
 Record Id: PR0505299
 Pe #: 2163
 Current Status: 2

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

F41
North
1/8-1/4
0.230 mi.
1215 ft.

CENTRAL COAST ANAL SVC OF SB
6483 D CALLE REAL
GOLETA, CA

RCRA-SQG **1000419183**
FINDS **CAD982344418**

Site 5 of 5 in cluster F

Relative:
Higher

RCRA-SQG:

Date form received by agency: 09/01/1996
 Facility name: CENTRAL COAST ANAL SVC OF SB
 Facility address: 6483 D CALLE REAL
 GOLETA, CA 93117
 EPA ID: CAD982344418
 Mailing address: 6483 D CALLE RAL
 GOLETA, CA 93117
 Contact: Not reported
 Contact address: Not reported
 Contact country: Not reported
 Contact telephone: Not reported
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
58 ft.

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: CENTRAL COAST ANA
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999

Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL COAST ANAL SVC OF SB (Continued)

1000419183

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/15/1988
Facility name: CENTRAL COAST ANAL SVC OF SB
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002797019

Environmental Interest/Information System

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.

I42
WSW
1/8-1/4
0.230 mi.
1217 ft.

MCGHAN MEDICAL CORPORATION
71 S LOS CARNEROS
GOLETA, CA
Site 1 of 2 in cluster I

RCRA-SQG **1004677369**
FINDS **CAR000096354**
CUPA Listings

Relative:
Lower

RCRA-SQG:

Date form received by agency: 05/08/2001
Facility name: MCGHAN MEDICAL CORPORATION
Facility address: 71 S LOS CARNEROS
GOLETA, CA 93117
EPA ID: CAR000096354
Contact: CHRIS ROSSI
Contact address: 71 S LOS CARNEROS
GOLETA, CA 93117
Contact country: US
Contact telephone: (805) 683-6761
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
22 ft.

Owner/Operator Summary:

Owner/operator name: INAMED CORPORATION
Owner/operator address: 700 WARD DR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MCGHAN MEDICAL CORPORATION (Continued)

1004677369

SANTA BARBARA, CA 93111

Owner/operator country: Not reported
Owner/operator telephone: (805) 683-6761
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 05/08/2001
Facility name: MCGHAN MEDICAL CORPORATION
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MCGHAN MEDICAL CORPORATION (Continued)

1004677369

SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110012208681

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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.

CUPA SANTA BARBARA:

Facility Id: FA0013241
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: ALLERGAN MEDICAL
Mailing Care Of: PAUL TOPINKO/EHS MGR
Mailing Address: 5540 EKWILL ST
Mailing City: SANTA BARBARA
Mailing State: CA
Mailing Zip Code: 93111
Record Id: PR0507580
Pe #: 2202
Current Status: 1

Facility Id: FA0013241
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: ALLERGAN MEDICAL
Mailing Care Of: PAUL TOPINKO/EHS MGR
Mailing Address: 5540 EKWILL ST
Mailing City: SANTA BARBARA
Mailing State: CA
Mailing Zip Code: 93111
Record Id: PR0507843
Pe #: 2163
Current Status: 1

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

G43
SSW
1/8-1/4
0.235 mi.
1240 ft.

ACMI CIRCON
6500 HOLLISTER AVE
GOLETA, CA 93117

CUPA Listings S105662367
CHMIRS N/A

Site 8 of 8 in cluster G

Relative:
Lower

CUPA SANTA BARBARA:

Facility Id:	FA0011748
Region:	SANTA BARBARA
Cross Street:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Mailing Name:	ACMI CIRCON
Mailing Care Of:	Not reported
Mailing Address:	6500 HOLLISTER AVE
Mailing City:	GOLETA
Mailing State:	CA
Mailing Zip Code:	93117
Record Id:	PR0505308
Pe #:	2161
Current Status:	2

Actual:
10 ft.

Facility Id:	FA0011748
Region:	SANTA BARBARA
Cross Street:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Mailing Name:	ACMI CIRCON
Mailing Care Of:	Not reported
Mailing Address:	6500 HOLLISTER AVE
Mailing City:	GOLETA
Mailing State:	CA
Mailing Zip Code:	93117
Record Id:	PR0220450
Pe #:	2201
Current Status:	2

CHMIRS:

OES Incident Number:	99-1309
OES notification:	03/22/1999
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported
Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACMI CIRCON (Continued)

S105662367

Resp Agency Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA/DOT/PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Comments: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Reporting Party
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 1999
Agency: Goleta Sanitary District
Incident Date: 3/22/199912:00:00 AM
Admin Agency: Santa Barbara County Environmental Health
Amount: Not reported
Contained: Yes
Site Type: Airport
E Date: Not reported
Substance: raw sewage
Quantity Released: Not reported
BBLS: 0
Cups: 0
CUFT: 0
Gallons: 26
Grams: 0
Pounds: 0
Liters: 0
Ounces: 0
Pints: 0
Quarts: 0
Sheen: 0
Tons: 0
Unknown: 0
Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0
Description: Forced main under Hollister Ave burst. Spill contained to a dry open ditch and was pumped into a man hole. Ditch runs around the Santa Barbara Airport

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

I44
SW
1/8-1/4
0.239 mi.
1263 ft.

KARL STORZ IMAGING
175 CREMONA DR #B
GOLETA, CA 93117

CUPA Listings S110741525
N/A

Site 2 of 2 in cluster I

Relative:
Lower

CUPA SANTA BARBARA:

Facility Id:	FA0001755
Region:	SANTA BARBARA
Cross Street:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Mailing Name:	KARL STORZ IMAGING
Mailing Care Of:	Not reported
Mailing Address:	175 CREMONA DR B
Mailing City:	GOLETA
Mailing State:	CA
Mailing Zip Code:	93117
Record Id:	PR0222264
Pe #:	2201
Current Status:	1

Actual:
22 ft.

Facility Id:	FA0001755
Region:	SANTA BARBARA
Cross Street:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Mailing Name:	KARL STORZ IMAGING
Mailing Care Of:	Not reported
Mailing Address:	175 CREMONA DR B
Mailing City:	GOLETA
Mailing State:	CA
Mailing Zip Code:	93117
Record Id:	PR0212264
Pe #:	2161
Current Status:	2

H45
SE
1/8-1/4
0.241 mi.
1271 ft.

KORDA & GEIS ENGINEERING - CLSD
148 AERO CAMINO
GOLETA, CA 93117

CUPA Listings S105092780
N/A

Site 6 of 7 in cluster H

Relative:
Lower

CUPA SANTA BARBARA:

Facility Id:	FA0013063
Region:	SANTA BARBARA
Cross Street:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Mailing Name:	KORDA & GEIS ENGINEERING
Mailing Care Of:	KORDA & GEIS
Mailing Address:	PO BOX 1699
Mailing City:	BUELLTON
Mailing State:	CA
Mailing Zip Code:	93427
Record Id:	PR0507195
Pe #:	2202
Current Status:	2

Actual:
14 ft.

Facility Id:	FA0013063
--------------	-----------

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KORDA & GEIS ENGINEERING - CLSD (Continued)

S105092780

Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: KORDA & GEIS ENGINEERING
Mailing Care Of: KORDA & GEIS
Mailing Address: PO BOX 1699
Mailing City: BUELLTON
Mailing State: CA
Mailing Zip Code: 93427
Record Id: PR0507197
Pe #: 2161
Current Status: 2

H46
SE
1/8-1/4
0.241 mi.
1274 ft.

148 AERO CAMINO
GOLETA, CA 93117
Site 7 of 7 in cluster H

EDR US Hist Auto Stat 1015233515
N/A

Relative:
Lower
Actual:
14 ft.

EDR Historical Auto Stations:
Name: KORDA & GEIS ENGINEERING LLC
Year: 2007
Address: 148 AERO CAMINO

J47
SE
1/8-1/4
0.244 mi.
1286 ft.

SUPERCONDUCTOR TECHNOLOGIES INC
150 AERO CAMINO
GOLETA, CA 93117
Site 1 of 4 in cluster J

RCRA-SQG 1000214579
FINDS CAD982059859

Relative:
Lower
Actual:
14 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: SUPERCONDUCTOR TECHNOLOGIES INC
Facility address: 150 AERO CAMINO
GOLETA, CA 93117
EPA ID: CAD982059859
Mailing address: AERO CAMINO
GOLETA, CA 93117
Contact: Not reported
Contact address: Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: SUPERCONDUCTOR TECHNOLOGIES INC
Owner/operator address: NOT REQUIRED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUPERCONDUCTOR TECHNOLOGIES INC (Continued)

1000214579

Owner/operator country: NOT REQUIRED, ME 99999
Owner/operator telephone: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
Owner/operator address: NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002790622

Environmental Interest/Information System

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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

K48
SSE
1/8-1/4
0.244 mi.
1290 ft.

GOLDEN COAST DAIRY
6416 HOLLISTER AVE
GOLETA, CA 93706

CA FID UST **S101621634**
SWEEPS UST **N/A**

Site 1 of 5 in cluster K

Relative:
Lower

CA FID UST:
Facility ID: 42003162
Regulated By: UTKNI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8059683612
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: GOLETA 93706
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

Actual:
11 ft.

SWEEPS UST:

Status: Not reported
Comp Number: 474
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 42-000-000474-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: 1

K49
SSE
1/8-1/4
0.244 mi.
1290 ft.

GOLDEN COAST DAIRY
6416 HOLLISTER AVE
GOLETA, CA 93706

HIST UST **U001591649**
N/A

Site 2 of 5 in cluster K

Relative:
Lower

HIST UST:
Region: STATE
Facility ID: 00000042278
Facility Type: Other
Other Type: DAIRY
Total Tanks: 0001
Contact Name: DOUGLAS BADERTSCHER
Telephone: 8059683612
Owner Name: BADERTSCHER & SONS
Owner Address: 2218 W. LINCOLN

Actual:
11 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN COAST DAIRY (Continued)

U001591649

Owner City,St,Zip: FRESNO, CA 93706

Tank Num: 001
Container Num: 1
Year Installed: 1972
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: None

**K50
SSE
1/8-1/4
0.244 mi.
1290 ft.**

**GOLD COAST DAIRY
6416 HOLLISTER AVE
GOLETA, CA 93117
Site 3 of 5 in cluster K**

**HIST CORTESE S102430820
LUST N/A
CUPA Listings**

**Relative:
Lower**

HIST CORTESE:
Region: CORTESE
Facility County Code: 42
Reg By: LTNKA
Reg Id: 2255

**Actual:
11 ft.**

LUST:
Region: STATE
Global Id: T0608300185
Latitude: 34.431552524
Longitude: -119.849063733
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/08/1990
Lead Agency: SANTA BARBARA COUNTY LOP
Case Worker: CSB
Local Agency: SANTA BARBARA COUNTY LOP
RB Case Number: 2255
LOC Case Number: 50474
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608300185
Contact Type: Local Agency Caseworker
Contact Name: CLOSED Santa Barbara Co LOP SITES
Organization Name: SANTA BARBARA COUNTY LOP
Address: 2125 S. Centerpointe Parkway, Suite #333
City: Santa Maria
Email: paul.mccaw@sbcphd.org
Phone Number: 8053468359

Status History:

Global Id: T0608300185
Status: Completed - Case Closed
Status Date: 11/08/1990

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLD COAST DAIRY (Continued)

S102430820

Global Id: T0608300185
Status: Open - Remediation
Status Date: 07/17/1989

Global Id: T0608300185
Status: Open - Case Begin Date
Status Date: 05/05/1989

Global Id: T0608300185
Status: Open - Site Assessment
Status Date: 05/23/1990

Regulatory Activities:

Global Id: T0608300185
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0608300185
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0608300185
Action Type: RESPONSE
Date: 07/05/1990
Action: Other Report / Document

Global Id: T0608300185
Action Type: RESPONSE
Date: 11/08/1990
Action: Other Report / Document

Global Id: T0608300185
Action Type: RESPONSE
Date: 07/05/1990
Action: Other Report / Document

Global Id: T0608300185
Action Type: RESPONSE
Date: 04/24/2001
Action: Other Report / Document

Global Id: T0608300185
Action Type: RESPONSE
Date: 05/01/1989
Action: Other Report / Document

Global Id: T0608300185
Action Type: RESPONSE
Date: 04/24/2001
Action: Other Report / Document

Global Id: T0608300185
Action Type: RESPONSE
Date: 06/21/1989
Action: Other Report / Document

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLD COAST DAIRY (Continued)

S102430820

LUST REG 3:

Region: 3
Regional Board: Central Coast Region
Facility County: Santa Barbara
Global ID: T0608300185
Status: Case Closed
Case Number: 2255
Local Case Num: 50474
Case Type: S
Substance: Gasoline
Quantity: Not reported
Abatement Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Leak Source: Not reported
Leak Cause: Not reported
How Stopped: Not reported
How Discovered: Not reported
Release Date: 05/05/1989
Discovered Date: 5/5/89
Enter Date: / /
Stop Date: Not reported
Review Date: / /
Enforce Date: 1/1/65
Close Date: 11/8/90
Enforcement Type: None Taken
Responsible Party: Not reported
RP Address: Not reported
Contact: Not reported
Cross Street: Not reported
Local Agency: 42000L
Lead Agency: Local Agency
Staff Initials: RBA
Confirm Leak: 5/23/90
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: / /
Remedial Plan: Not reported
Remedial Action: 7/17/89
Monitoring: / /
Pilot Program: LOP
Interim Action: Not reported
Funding: F
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NT
Lat/Long: 34.4312618 / -119.8486392
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: Not reported
Beneficial: Not reported
Priority: -0-
UST Cleanup Fund ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLD COAST DAIRY (Continued)

S102430820

Suspended: Not reported
Operator: Not reported
Water System: DORAL NEELEY
Well Name: WELL
Distance From Well: 0
Assigned Name: 04N/28W-17D06 S
Summary: Not reported

CUPA SANTA BARBARA:

Facility Id: FA0006173
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: BADERTSCHER & SONS
Mailing Care Of: Not reported
Mailing Address: PO BOX 1365
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93116
Record Id: PR0230474
Pe #: 2302
Current Status: 2

**J51
SE
1/8-1/4
0.246 mi.
1299 ft.**

**GDM INC - CLSD
152 AERO CAMINO
GOLETA, CA 93117
Site 2 of 4 in cluster J**

**CUPA Listings S102810351
N/A**

**Relative:
Lower**

CUPA SANTA BARBARA:

Facility Id: FA0001714
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: GDM INC
Mailing Care Of: Not reported
Mailing Address: 152 AERO CAMINO
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0221750
Pe #: 2202
Current Status: 2

**Actual:
14 ft.**

Facility Id: FA0001714
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: GDM INC
Mailing Care Of: Not reported
Mailing Address: 152 AERO CAMINO
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GDM INC - CLSD (Continued)

S102810351

Record Id: PR0211750
Pe #: 2161
Current Status: 2

J52
SE
1/8-1/4
0.248 mi.
1309 ft.

152 AERO CAMINO
GOLETA, CA 93117
Site 3 of 4 in cluster J

EDR US Hist Auto Stat **S1015242059**
N/A

Relative: EDR Historical Auto Stations:
Lower Name: WEST COAST AUTOMOTIVE
Year: 2012
Actual: Address: 152 AERO CAMINO
14 ft.

K53 **SANTA BARBARA TRANSPORTATION-GOLETA**
SSE **6414 HOLLISTER AVE**
1/8-1/4 **GOLETA, CA 93117**
0.248 mi.
1310 ft. **Site 4 of 5 in cluster K**

CUPA Listings **S108219691**
N/A

Relative: CUPA SANTA BARBARA:
Lower Facility Id: FA0012306
Region: SANTA BARBARA
Cross Street: Not reported
Actual: Latitude: Not reported
11 ft. Longitude: Not reported
Mailing Name: SANTA BARBARA TRANSPORTATION
Mailing Care Of: Not reported
Mailing Address: 6414 HOLLISTER AVE
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0212023
Pe #: 2163
Current Status: 1

Facility Id: FA0012306
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: SANTA BARBARA TRANSPORTATION
Mailing Care Of: Not reported
Mailing Address: 6414 HOLLISTER AVE
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0222023
Pe #: 2202
Current Status: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

54
SSW
1/4-1/2
0.253 mi.
1335 ft.

FAA SANTA BARBARA AIRPORT RTR/COMMUNICATIONS SITES
6551 HOLLISTER AVE
GOLETA, CA 93117

SLIC S106926018
CUPA Listings N/A
SWEEPS UST
CHMIRS

Relative:
Lower

SLIC:

Actual:
11 ft.

Region: STATE
Facility Status: Open - Assessment & Interim Remedial Action
Status Date: 04/15/2014
Global Id: T10000005841
Lead Agency: SANTA BARBARA COUNTY LOP
Lead Agency Case Number: 669
Latitude: 34.4298938846891
Longitude: -119.856120160822
Case Type: Cleanup Program Site
Case Worker: TMR
Local Agency: SANTA BARBARA COUNTY LOP
RB Case Number: Not reported
File Location: Stored electronically as an E-file
Potential Media Affected: Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

CUPA SANTA BARBARA:

Facility Id: FA0006215
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: FEDERAL AVIATION ADMIN - FAA
Mailing Care Of: STEVE BESTWICK
Mailing Address: 10 BURNS PL
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0232460
Pe #: 2302
Current Status: 2

Facility Id: FA0006215
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: FEDERAL AVIATION ADMIN - FAA
Mailing Care Of: STEVE BESTWICK
Mailing Address: 10 BURNS PL
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0511816
Pe #: 2161
Current Status: 1

Facility Id: FA0006215
Region: SANTA BARBARA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FAA SANTA BARBARA AIRPORT RTR/COMMUNICATIONS SITES (Continued)

S106926018

Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: FEDERAL AVIATION ADMIN - FAA
Mailing Care Of: STEVE BESTWICK
Mailing Address: 10 BURNS PL
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0511819
Pe #: 1701
Current Status: 2

SWEEPS UST:

Status: Active
Comp Number: 2460
Number: 7
Board Of Equalization: Not reported
Referral Date: 09-08-93
Action Date: 09-08-93
Created Date: 12-06-91
Owner Tank Id: SBA/RTR
SWRCB Tank Id: 42-000-002460-000001
Tank Status: A
Capacity: 1000
Active Date: 03-02-92
Tank Use: PETROLEUM
STG: P
Content: DIESEL
Number Of Tanks: 1

CHMIRS:

OES Incident Number: 11-3579
OES notification: 06/15/2011
OES Date: Not reported
OES Time: Not reported
Incident Date: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
Special Studies 1: Not reported
Special Studies 2: Not reported
Special Studies 3: Not reported
Special Studies 4: Not reported
Special Studies 5: Not reported
Special Studies 6: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FAA SANTA BARBARA AIRPORT RTR/COMMUNICATIONS SITES (Continued)

S106926018

Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA/DOT/PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Airport
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1200
Year:	2011
Agency:	Federal Aviation Administration - Santa Barbara
Incident Date:	6/15/2011
Admin Agency:	Santa Barbara County Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel
Quantity Released:	2
BBLS:	Not reported
Cups:	Not reported
CUFT:	Not reported
Gallons:	Not reported
Grams:	Not reported
Pounds:	Not reported
Liters:	Not reported
Ounces:	Not reported
Pints:	Not reported
Quarts:	Not reported
Sheen:	Not reported
Tons:	Not reported
Unknown:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
Description:	A secondary containment on the fuel line overflowed, causing a release to the soil. Caller states that they are currently excavating the soil to determine the exact quantity and cause of the release.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

K55
SSE
1/4-1/2
0.257 mi.
1358 ft.

DISCOUNT MUFFLER & BRAKE
6410 HOLLISTER AVE
GOLETA, CA 93117

HIST CORTESE
LUST
CUPA Listings

S101303349
N/A

Site 5 of 5 in cluster K

Relative:
Lower

HIST CORTESE:
Region: CORTESE
Facility County Code: 42
Reg By: LTNKA
Reg Id: 1081

Actual:
12 ft.

LUST:

Region: STATE
Global Id: T0608300018
Latitude: 34.431525325
Longitude: -119.848525092
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/31/2012
Lead Agency: SANTA BARBARA COUNTY LOP
Case Worker: CSB
Local Agency: SANTA BARBARA COUNTY LOP
RB Case Number: 1081
LOC Case Number: 51225
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply, Soil, Soil Vapor
Potential Contaminants of Concern: Gasoline
Site History: - Historical LUSTIS Cleanup Action : Other 5/2/2010 - Review of site data suggests that site should be closed- well abandonment activities underway.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608300018
Contact Type: Regional Board Caseworker
Contact Name: RB3 STAFF
Organization Name: CENTRAL COAST RWQCB (REGION 3)
Address: 895 AEROVISTA PL, SUITE 101
City: SAN LUIS OBISPO
Email: centralcoast@waterboards.ca.gov
Phone Number: 8055493147

Global Id: T0608300018
Contact Type: Local Agency Caseworker
Contact Name: CLOSED Santa Barbara Co LOP SITES
Organization Name: SANTA BARBARA COUNTY LOP
Address: 2125 S. Centerpointe Parkway, Suite #333
City: Santa Maria
Email: paul.mccaw@sbcphd.org
Phone Number: 8053468359

Status History:

Global Id: T0608300018
Status: Open - Verification Monitoring
Status Date: 05/25/2010

Global Id: T0608300018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DISCOUNT MUFFLER & BRAKE (Continued)

S101303349

Status: Completed - Case Closed
Status Date: 05/31/2012

Global Id: T0608300018
Status: Open - Case Begin Date
Status Date: 12/08/1988

Global Id: T0608300018
Status: Open - Remediation
Status Date: 04/02/1998

Global Id: T0608300018
Status: Open - Remediation
Status Date: 04/10/1998

Global Id: T0608300018
Status: Open - Site Assessment
Status Date: 12/08/1988

Global Id: T0608300018
Status: Open - Site Assessment
Status Date: 02/09/1989

Global Id: T0608300018
Status: Open - Site Assessment
Status Date: 07/09/1990

Regulatory Activities:

Global Id: T0608300018
Action Type: ENFORCEMENT
Date: 02/27/1991
Action: * Historical Enforcement

Global Id: T0608300018
Action Type: ENFORCEMENT
Date: 05/31/2012
Action: LOP Case Closure Summary to RB

Global Id: T0608300018
Action Type: ENFORCEMENT
Date: 05/31/2012
Action: LOP Case Closure Summary to RB

Global Id: T0608300018
Action Type: ENFORCEMENT
Date: 03/26/2012
Action: Site Visit / Inspection / Sampling

Global Id: T0608300018
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0608300018
Action Type: RESPONSE
Date: 02/22/2012
Action: Other Report / Document

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DISCOUNT MUFFLER & BRAKE (Continued)

S101303349

Global Id:	T0608300018
Action Type:	RESPONSE
Date:	01/05/2012
Action:	Public Participation Plan
Global Id:	T0608300018
Action Type:	RESPONSE
Date:	08/23/2001
Action:	Other Report / Document
Global Id:	T0608300018
Action Type:	RESPONSE
Date:	02/22/2012
Action:	Other Report / Document
Global Id:	T0608300018
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped
Global Id:	T0608300018
Action Type:	RESPONSE
Date:	01/28/2008
Action:	Fact Sheets - Public Participation
Global Id:	T0608300018
Action Type:	ENFORCEMENT
Date:	09/03/2008
Action:	Site Visit / Inspection / Sampling
Global Id:	T0608300018
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0608300018
Action Type:	ENFORCEMENT
Date:	03/12/1991
Action:	* Referral to Regional Board or Another State Agency
Global Id:	T0608300018
Action Type:	Other
Date:	01/01/1950
Action:	Leak Began
Global Id:	T0608300018
Action Type:	RESPONSE
Date:	06/30/2011
Action:	Correspondence
Global Id:	T0608300018
Action Type:	ENFORCEMENT
Date:	05/31/2012
Action:	Closure/No Further Action Letter
Global Id:	T0608300018
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DISCOUNT MUFFLER & BRAKE (Continued)

S101303349

Date: 12/06/2007
Action: Technical Correspondence / Assistance / Other

Global Id: T0608300018
Action Type: RESPONSE
Date: 01/31/1998
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 07/31/1997
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 07/13/1999
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 01/31/1999
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 10/31/1997
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 04/03/1998
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 05/30/1998
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 07/31/1998
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 05/30/1997
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 04/30/2002
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 07/23/2002
Action: Other Report / Document

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DISCOUNT MUFFLER & BRAKE (Continued)

S101303349

Global Id: T0608300018
Action Type: RESPONSE
Date: 04/30/2003
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 11/06/1996
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 08/19/1993
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 04/15/2005
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 01/13/2005
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 08/31/1995
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 12/15/1995
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 05/31/1995
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 08/24/1992
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 05/30/1990
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 03/13/1989
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DISCOUNT MUFFLER & BRAKE (Continued)

S101303349

Date: 01/05/2001
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 04/15/1994
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 10/15/1999
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 01/15/2000
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 04/04/2001
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 10/15/2000
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 07/15/2000
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 04/20/2000
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 01/30/2001
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 04/19/2001
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 10/15/2001
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 08/20/2001
Action: Other Report / Document

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DISCOUNT MUFFLER & BRAKE (Continued)

S101303349

Global Id: T0608300018
Action Type: RESPONSE
Date: 08/14/2001
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 11/01/1991
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 09/12/1989
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 10/11/2000
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 06/28/1995
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 01/14/2002
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 03/16/2001
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 02/23/1999
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 08/11/2011
Action: Correspondence

Global Id: T0608300018
Action Type: RESPONSE
Date: 06/09/2005
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 07/20/2004
Action: Other Report / Document

Global Id: T0608300018
Action Type: ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DISCOUNT MUFFLER & BRAKE (Continued)

S101303349

Date: 05/25/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0608300018
Action Type: RESPONSE
Date: 04/29/2004
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 02/21/1995
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 03/20/1996
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 01/29/1997
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 12/17/1993
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 07/22/1996
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 08/18/1994
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 01/20/1996
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 04/14/2000
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 07/07/2000
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 04/19/2002
Action: Other Report / Document

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DISCOUNT MUFFLER & BRAKE (Continued)

S101303349

Global Id: T0608300018
Action Type: RESPONSE
Date: 06/24/2003
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 02/09/2012
Action: Correspondence

Global Id: T0608300018
Action Type: RESPONSE
Date: 12/07/2011
Action: Correspondence

Global Id: T0608300018
Action Type: RESPONSE
Date: 01/26/2004
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 01/14/2003
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 10/15/2003
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 10/31/1994
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 05/24/2004
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 09/16/2004
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 10/31/1998
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 09/19/2003
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DISCOUNT MUFFLER & BRAKE (Continued)

S101303349

Date: 09/17/2002
Action: Other Report / Document

Global Id: T0608300018
Action Type: RESPONSE
Date: 10/20/2011
Action: Correspondence

LUST REG 3:

Region: 3
Regional Board: Central Coast Region
Facility County: Santa Barbara
Global ID: T0608300018
Status: Remedial action (cleanup) Underway
Case Number: 1081
Local Case Num: 51225
Case Type: A
Substance: Gasoline
Quantity: Not reported
Abatement Method: Other
Leak Source: Tank
Leak Cause: D,
How Stopped: Close Tank
How Discovered: SAS
Release Date: 12/08/1988
Discovered Date: 12/8/88
Enter Date: / /
Stop Date: Not reported
Review Date: / /
Enforce Date: 2/27/91
Close Date: Not reported
Enforcement Type: EF
Responsible Party: THOMAS FLYNN
RP Address: PO BOX 7869
Contact: Not reported
Cross Street: Not reported
Local Agency: 42000L
Lead Agency: Local Agency
Staff Initials: SMS
Confirm Leak: 2/9/89
Workplan: 12/8/88
Prelim Assess: 12/8/88
Pollution Char: 07/09/1990
Remedial Plan: 4/2/98
Remedial Action: 4/10/98
Monitoring: / /
Pilot Program: LOP
Interim Action: Not reported
Funding: F
MTBE Class: C
Max MTBE Grnd Wtr: 160
Max MTBE Soil: Not reported
Max MTBE Data: 02/28/2002
MTBE Tested: YES
Lat/Long: 34.4312698 / -119.8485132
Soil Qualifier: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DISCOUNT MUFFLER & BRAKE (Continued)

S101303349

Grnd Wtr Qualifier: =
Mtbe Concentratn: 37
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: Not reported
Beneficial: Not reported
Priority: 2A4
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: DORAL NEELEY
Well Name: WELL
Distance From Well: 0
Assigned Name: 04N/28W-17D06 S
Summary: Not reported

CUPA SANTA BARBARA:

Facility Id: FA0012897
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: HALL, DAVID
Mailing Care Of: Not reported
Mailing Address: 6410 HOLLISTER AVE
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0506848
Pe #: 2200
Current Status: 2

Facility Id: FA0012897
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: HALL, DAVID
Mailing Care Of: Not reported
Mailing Address: 6410 HOLLISTER AVE
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0506849
Pe #: 2100
Current Status: 2

Facility Id: FA0012925
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: SCOTTS OF SANTA BARBARA LLC
Mailing Care Of: SCOTT SINIBALDI
Mailing Address: 6410 HOLLISTER AVENUE
Mailing City: GOLETA
Mailing State: CA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DISCOUNT MUFFLER & BRAKE (Continued)

S101303349

Mailing Zip Code: 93117
Record Id: PR0506920
Pe #: 2201
Current Status: 2

**J56
SE
1/4-1/2
0.260 mi.
1375 ft.**

**MISSION COUNTRY PHOTOFINISHING
178 AERO CAMINO
GOLETA, CA 93117**

**CUPA Listings S110494072
ENVIROSTOR N/A**

Site 4 of 4 in cluster J

**Relative:
Lower**

CUPA SANTA BARBARA:

Facility Id: FA0001765
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: MISSION COUNTRY PHOTOFINISHING
Mailing Care Of: PATRICK KUENY
Mailing Address: 178 AERO CAMINO
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0210880
Pe #: 2161
Current Status: 2

**Actual:
13 ft.**

ENVIROSTOR:

Facility ID: 71003278
Status: Inactive - Needs Evaluation
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 37
Senate: 19
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.43196
Longitude: -119.8484
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAL000070752
Alias Type: EPA Identification Number
Alias Name: 71003278

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MISSION COUNTRY PHOTOFINISHING (Continued)

S110494072

Alias Type:	Envirostor ID Number
Completed Info:	
Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

57
East
1/4-1/2
0.269 mi.
1418 ft.

BARDEX CORPORATION
6338 LINDMAR DRIVE
GOLETA, CA 93117

Cortese **S105811304**
SLIC **N/A**
CUPA Listings
ENF

Relative:
Lower

CORTESE:

Actual:
12 ft.

Region:	CORTESE
Envirostor Id:	Not reported
Site/Facility Type:	Not reported
Cleanup Status:	Not reported
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	CORTESE
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	3
WID Id:	3 420001N94
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
Region:	CORTESE
Envirostor Id:	Not reported
Site/Facility Type:	Not reported
Cleanup Status:	Not reported
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	CORTESE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BARDEX CORPORATION (Continued)

S105811304

Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: 3
WID Id: 3 420001N94
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported

SLIC:

Region: STATE
Facility Status: **Open - Assessment & Interim Remedial Action**
Status Date: 12/02/2008
Global Id: SL0608334912
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Lead Agency Case Number: Not reported
Latitude: 34.436504
Longitude: -119.84445
Case Type: Cleanup Program Site
Case Worker: DT
Local Agency: Not reported
RB Case Number: S304
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Trichloroethylene (TCE), Tetrachloroethylene (PCE)
Site History: A Phase I Environmental Site Assessment report dated December 21, 2000, conducted by URS Corporation (URS) on behalf of potential buyer on the property, identified environmental concerns associated with the current and historic machine shop operations. Specific concerns identified in the URS report include heavy oil staining around some of the machine shop equipment and the existence of a floor drain in the northeastern corner of the site. Approximately twelve to fifteen additional floor drains historically existed in the northern portion of the building that is currently leased to TRW Astro Aerospace (Astro Aerospace). The historical land use in the Astro area involved large volumes of water associated with a company called Hydranautics, a manufacturer of water systems. Hydranautics operations ended in the late 1980s and the floor drains were reportedly sealed and covered prior to Bardex Corporation (Bardex) using this area for manufacturing of heavy load moving hydraulic equipment. Reportedly, all floor drains discharge to a flood control channel located at the western property line. The Astro Aerospace floor drains were also identified by URS to be environmental concerns. An earlier Phase I was conducted in 1996 by Furgo West, Inc. (Furgo). This assessment was limited to the northern portion of the building which is currently occupied by Astro Aerospace prior to their occupancy of the building. The conclusion of this report was that shallow soil samples should be taken in areas where oil staining was noted (in the Astro Aerospace area) to establish a "baseline" of site conditions. Furgo also recommended a visual inspection of the floor drains to check for residual signs of releases and that the floor drains be abandoned. The floor drains were apparently examined just prior their abandonment when Astro Aerospace poured a new 4" concrete slab throughout their area. The new slab was required to level the concrete floor as the existing grade was sloped as a part of the design of the floor drain system. Apparently, the baseline soil sampling assessment was never conducted. Note: According to the Bardex representatives, the exact location of any of the floor drains

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BARDEX CORPORATION (Continued)

S105811304

in the Astro area is unknown as there were no as built plans showing there locations.

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 3:

Region: 3
Leak Site Cross Street: HOLLISTER AVE
Regional Board Case#: S304
Entered Into Database: Not reported
Discovered: Not reported
RB Case In: BARDEX CORPORATION
Responsible Party: JAMES L BARTLETT, JR
RP Contact: Not reported
RP Phone: Not reported
RP Number: Not reported
RP Address: 6338 LINDMAR DR
RP City,St,Zip: GOLETA, CA 93117
Date First Reported: 10-Jul-01
Lead Agency: Regional Board
Program Type: SLIC
Facility Status: Pollution Characterization
Case Type: Drinking Water Aquifer affected
Case Type Undetermined: No
Case Type Soil Impacted: No
Case Type Surface Water: No
Case Type Drinkin Water Well: No
Case Type Drinking Water Aqfr: Yes
Case Type Other Grnd Wtr: No
PCA: 2030033

CUPA SANTA BARBARA:

Facility Id: FA0012381
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: NORTHROP GRUMMAN SPACE
Mailing Care Of: ASTRO AEROSPACE - J KAVANAGH
Mailing Address: 6384 VIA REAL
Mailing City: CARPINTERIA
Mailing State: CA
Mailing Zip Code: 93013
Record Id: PR0505330
Pe #: 2201
Current Status: 1

Facility Id: FA0012381
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: NORTHROP GRUMMAN SPACE
Mailing Care Of: ASTRO AEROSPACE - J KAVANAGH
Mailing Address: 6384 VIA REAL
Mailing City: CARPINTERIA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BARDEX CORPORATION (Continued)

S105811304

Mailing State: CA
Mailing Zip Code: 93013
Record Id: PR0505332
Pe #: 2161
Current Status: 1

ENF:

Region: 3
Facility Id: 208700
Agency Name: Bardex Corporation
Place Type: Manufacturing
Place Subtype: Manufacturing NEC
Facility Type: Industrial
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 34.435844000000
Place Longitude: -119.843186
SIC Code 1: Not reported
SIC Desc 1: Not reported
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: Not reported
Threat To Water Quality: Not reported
Complexity: Not reported
Pretreatment: Not reported
Facility Waste Type: Not reported
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: OLDNUR
Program Category1: UNREGS
Program Category2: UNREGS
Of Programs: 1
WDID: 3 420001N94
Reg Measure Id: 173598
Reg Measure Type: Unregulated
Region: 3
Order #: Not reported
Npdes# CA#: Not reported
Major-Minor: Not reported
Npdes Type: Not reported
Reclamation: Not reported
Dredge Fill Fee: Not reported
301H: Not reported
Application Fee Amt Received: Not reported
Status: Never Active
Status Date: 02/20/2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BARDEX CORPORATION (Continued)

S105811304

Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	352666
Region:	3
Order / Resolution Number:	R3-2008-0037
Enforcement Action Type:	Admin Civil Liability
Effective Date:	07/27/2009
Adoption/Issuance Date:	07/27/2009
Achieve Date:	Not reported
Termination Date:	08/06/2009
ACL Issuance Date:	07/21/2008
EPL Issuance Date:	Not reported
Status:	Historical
Title:	ACL No. R3-2008-0037 for Bardex Corporation
Description:	ACL issued for failure to submit technical and monitoring reports by the CAO due dates.
Program:	OLDNUR
Latest Milestone Completion Date:	2009-08-06
# Of Programs1:	1
Total Assessment Amount:	25000
Initial Assessed Amount:	25000
Liability \$ Amount:	25000
Project \$ Amount:	0
Liability \$ Paid:	25000
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	25000
Region:	3
Facility Id:	208700
Agency Name:	Bardex Corporation
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.435844000000
Place Longitude:	-119.843186
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BARDEX CORPORATION (Continued)

S105811304

NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	OLDNUR
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	3 420001N94
Reg Measure Id:	173598
Reg Measure Type:	Unregulated
Region:	3
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	352665
Region:	3
Order / Resolution Number:	R3-2004-0063
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	04/21/2004
Adoption/Issuance Date:	04/21/2004
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	CAO R3-2004-0063 for Bardex Corporation
Description:	Order directs discharger to clean up trichloroethylene

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BARDEX CORPORATION (Continued)

S105811304

(TCE) and related hazardous compounds discharged to soil and groundwater.

Program:	OLDNUR
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	3
Facility Id:	208700
Agency Name:	Bardex Corporation
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.435844000000
Place Longitude:	-119.843186
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	OLDNUR
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	3 42001N94
Reg Measure Id:	173598
Reg Measure Type:	Unregulated
Region:	3
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BARDEX CORPORATION (Continued)

S105811304

Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	340105
Region:	3
Order / Resolution Number:	R3-2007-0087
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	01/10/2008
Adoption/Issuance Date:	01/10/2008
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	CAO R3-2007-0087 for Bardex Corporation
Description:	Outlines responsibilities for preventing and mitigating contaminated groundwater originating from 6338 Lindmar Drive, Goleta and other locations near the property from discharging to the street or other conveyances to surface waters.
Program:	OLDNUR
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	3
Facility Id:	208700
Agency Name:	Bardex Corporation
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.435844000000
Place Longitude:	-119.843186

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BARDEX CORPORATION (Continued)

S105811304

SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	OLDNUR
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	3 420001N94
Reg Measure Id:	173598
Reg Measure Type:	Unregulated
Region:	3
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	252596
Region:	3
Order / Resolution Number:	R3-2004-0061
Enforcement Action Type:	Admin Civil Liability

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BARDEX CORPORATION (Continued)

S105811304

Effective Date: 04/07/2004
Adoption/Issuance Date: Not reported
Achieve Date: Not reported
Termination Date: Not reported
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Withdrawn
Title: Enforcement - 3 420001N94
Description: Discharger failed to submit groundwater monitoring report.
Program: OLDNUR
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

Region: 3
Facility Id: 208700
Agency Name: Bardex Corporation
Place Type: Manufacturing
Place Subtype: Manufacturing NEC
Facility Type: Industrial
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 34.435844000000
Place Longitude: -119.843186
SIC Code 1: Not reported
SIC Desc 1: Not reported
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: Not reported
Threat To Water Quality: Not reported
Complexity: Not reported
Pretreatment: Not reported
Facility Waste Type: Not reported
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: OLDNUR
Program Category1: UNREGS
Program Category2: UNREGS
Of Programs: 1
WDID: 3 420001N94

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BARDEX CORPORATION (Continued)

S105811304

Reg Measure Id: 173598
Reg Measure Type: Unregulated
Region: 3
Order #: Not reported
Npdes# CA#: Not reported
Major-Minor: Not reported
Npdes Type: Not reported
Reclamation: Not reported
Dredge Fill Fee: Not reported
301H: Not reported
Application Fee Amt Received: Not reported
Status: Never Active
Status Date: 02/20/2013
Effective Date: Not reported
Expiration/Review Date: Not reported
Termination Date: Not reported
WDR Review - Amend: Not reported
WDR Review - Revise/Renew: Not reported
WDR Review - Rescind: Not reported
WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: N
Individual/General: I
Fee Code: Not reported
Direction/Voice: Passive
Enforcement Id(EID): 252367
Region: 3
Order / Resolution Number: R3-2004-0061
Enforcement Action Type: Admin Civil Liability
Effective Date: 05/14/2004
Adoption/Issuance Date: Not reported
Achieve Date: Not reported
Termination Date: Not reported
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: Enforcement - 3 420001N94
Description: ACL issued for failure to submit monitoring report.
Program: OLDNUR
Latest Milestone Completion Date: 2004-06-08
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

Region: 3
Facility Id: 208700
Agency Name: Not reported
Place Type: Manufacturing
Place Subtype: Manufacturing NEC
Facility Type: Industrial
Agency Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BARDEX CORPORATION (Continued)

S105811304

# Of Agencies:	Not reported
Place Latitude:	34.435844000000
Place Longitude:	-119.843186
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	UNREGS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	387771

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BARDEX CORPORATION (Continued)

S105811304

Region: 3
 Order / Resolution Number: Not reported
 Enforcement Action Type: Notice of Violation
 Effective Date: 10/17/2012
 Adoption/Issuance Date: 10/17/2012
 Achieve Date: Not reported
 Termination Date: 10/17/2012
 ACL Issuance Date: Not reported
 EPL Issuance Date: Not reported
 Status: Historical
 Title: NOV 10/17/2012 for Bardex Corporation
 Description: NOV for failure to startup groundwater extraction and treatment system (GWETS) by 9/16/2012 per CAO and approved implementation schedule.
 Program: OLDNUR
 Latest Milestone Completion Date: Not reported
 # Of Programs1: 1
 Total Assessment Amount: 0
 Initial Assessed Amount: 0
 Liability \$ Amount: 0
 Project \$ Amount: 0
 Liability \$ Paid: 0
 Project \$ Completed: 0
 Total \$ Paid/Completed Amount: 0

L58
ESE
 1/4-1/2
 0.274 mi.
 1445 ft.

INNOVATIVE MICRO TECHNOLOGY
75 ROBIN HILL RD
GOLETA, CA 93117

RCRA-LQG 1007198721
CUPA Listings CAD008342198
ENVIROSTOR

Site 1 of 2 in cluster L

Relative:
Lower

RCRA-LQG:
 Date form received by agency: 01/29/2014
 Facility name: INNOVATIVE MICRO TECHNOLOGY
 Facility address: 75 ROBIN HILL RD
 GOLETA, CA 93117
 EPA ID: CAD008342198
 Contact: PETER T SCHNEEKLOTH
 Contact address: 75 ROBIN HILL RD
 GOLETA, CA 93117
 Contact country: US
 Contact telephone: 805-450-6839
 Contact email: PSCHNEEKLOTH@IMTMEMS.COM
 EPA Region: 09
 Land type: Private
 Classification: Large Quantity Generator

Actual:
12 ft.

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INNOVATIVE MICRO TECHNOLOGY (Continued)

1007198721

Owner/Operator Summary:

Owner/operator name: INNOVATIVE MICRO TECHNOLOGY
Owner/operator address: 75 ROBIN HILL RD
GOLETA, CA 93117
Owner/operator country: US
Owner/operator telephone: 805-681-2800
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2000
Owner/Op end date: Not reported

Owner/operator name: INNOVATIVE MICRO TECHNOLOGY
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2000
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/27/2013
Facility name: INNOVATIVE MICRO TECHNOLOGY
Classification: Large Quantity Generator

Date form received by agency: 06/09/2010
Facility name: INNOVATIVE MICRO TECHNOLOGY
Classification: Large Quantity Generator

Date form received by agency: 01/11/2008
Facility name: INNOVATIVE MICRO TECHNOLOGY
Site name: INNOVATIVE MICRO TECHNOLOGY
Classification: Large Quantity Generator

Date form received by agency: 02/20/2006
Facility name: INNOVATIVE MICRO TECHNOLOGY
Classification: Large Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INNOVATIVE MICRO TECHNOLOGY (Continued)

1007198721

Date form received by agency: 03/01/2004
Facility name: INNOVATIVE MICRO TECHNOLOGY
Classification: Large Quantity Generator

Date form received by agency: 01/16/2003
Facility name: INNOVATIVE MICRO TECHNOLOGY
Site name: APPLIED MAGNETICS CORP
Classification: Large Quantity Generator

Date form received by agency: 03/01/2002
Facility name: INNOVATIVE MICRO TECHNOLOGY
Site name: AMC DBA INNOVATIVE MICRO TECH
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Facility name: INNOVATIVE MICRO TECHNOLOGY
Site name: APPLIED MAGNETICS ROBIN HILL FACILITY
Classification: Large Quantity Generator

Date form received by agency: 03/14/2000
Facility name: INNOVATIVE MICRO TECHNOLOGY
Site name: APPLIED MAGNETICS CORP
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Facility name: INNOVATIVE MICRO TECHNOLOGY
Site name: APPLIED MAGNETICS ROBIN HILL FACILITY
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Facility name: INNOVATIVE MICRO TECHNOLOGY
Site name: APPLIED MAGNETICS CORP
Classification: Large Quantity Generator

Date form received by agency: 03/27/1996
Facility name: INNOVATIVE MICRO TECHNOLOGY
Site name: ROBIN HILL FACILITY
Classification: Large Quantity Generator

Date form received by agency: 03/25/1994
Facility name: INNOVATIVE MICRO TECHNOLOGY
Site name: APPLIED MAGNETICS CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 03/26/1992
Facility name: INNOVATIVE MICRO TECHNOLOGY
Site name: APPLIED MAGNETICS CORP
Classification: Large Quantity Generator

Date form received by agency: 05/10/1990
Facility name: INNOVATIVE MICRO TECHNOLOGY
Site name: APPLIED MAGNETICS CORP
Classification: Large Quantity Generator

Date form received by agency: 11/19/1980
Facility name: INNOVATIVE MICRO TECHNOLOGY
Site name: APPLIED MAGNETICS CORP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INNOVATIVE MICRO TECHNOLOGY (Continued)

1007198721

Classification: Large Quantity Generator

Date form received by agency: 11/19/1980

Facility name: INNOVATIVE MICRO TECHNOLOGY

Site name: APPLIED MAGNETICS CORP

Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: 135

Waste name: 135

Waste code: 141

Waste name: 141

Waste code: 161

Waste name: 161

Waste code: 171

Waste name: 171

Waste code: 181

Waste name: 181

Waste code: 214

Waste name: 214

Waste code: 331

Waste name: 331

Waste code: 352

Waste name: 352

Waste code: 551

Waste name: 551

Waste code: 711

Waste name: 711

Waste code: 726

Waste name: 726

Waste code: 791

Waste name: 791

Waste code: 792

Waste name: 792

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INNOVATIVE MICRO TECHNOLOGY (Continued)

1007198721

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D004
Waste name: ARSENIC

Waste code: D006
Waste name: CADMIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D011
Waste name: SILVER

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F006
Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Waste code: F007
Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS

Waste code: P050
Waste name: ENDOSULFAN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INNOVATIVE MICRO TECHNOLOGY (Continued)

1007198721

Waste code: P096
Waste name: HYDROGEN PHOSPHIDE

Waste code: P099
Waste name: ARGENTATE(1-), BIS(CYANO-C)-, POTASSIUM

Waste code: P115
Waste name: SULFURIC ACID, DITHALLIUM(1+) SALT

Waste code: U134
Waste name: HYDROFLUORIC ACID (C,T)

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/28/2011
Date achieved compliance: 03/15/2011
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/28/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/12/1995
Date achieved compliance: 10/20/1995
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 05/12/1995
Date achieved compliance: 10/20/1995
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INNOVATIVE MICRO TECHNOLOGY (Continued)

1007198721

Evaluation date: 03/15/2011
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/28/2011
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - General
Date achieved compliance: 03/15/2011
Evaluation lead agency: State

Evaluation date: 05/14/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/20/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/21/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/15/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: Local

Evaluation date: 04/18/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 10/20/1995
Evaluation lead agency: EPA

Evaluation date: 04/18/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/20/1995
Evaluation lead agency: EPA

Evaluation date: 02/28/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

CUPA SANTA BARBARA:

Facility Id: FA0001357
Region: SANTA BARBARA
Cross Street: LA PATERA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INNOVATIVE MICRO TECHNOLOGY (Continued)

1007198721

Latitude: Not reported
Longitude: Not reported
Mailing Name: INNOVATIVE MICRO TECHNOLOGY
Mailing Care Of: JOHN FOSTER
Mailing Address: 75 ROBIN HILL RD
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0230369
Pe #: 2302
Current Status: 2

Facility Id: FA0001357
Region: SANTA BARBARA
Cross Street: LA PATERA
Latitude: Not reported
Longitude: Not reported
Mailing Name: INNOVATIVE MICRO TECHNOLOGY
Mailing Care Of: JOHN FOSTER
Mailing Address: 75 ROBIN HILL RD
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0210369
Pe #: 2164
Current Status: 1

Facility Id: FA0001357
Region: SANTA BARBARA
Cross Street: LA PATERA
Latitude: Not reported
Longitude: Not reported
Mailing Name: INNOVATIVE MICRO TECHNOLOGY
Mailing Care Of: JOHN FOSTER
Mailing Address: 75 ROBIN HILL RD
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0220369
Pe #: 2204
Current Status: 1

Facility Id: FA0001357
Region: SANTA BARBARA
Cross Street: LA PATERA
Latitude: Not reported
Longitude: Not reported
Mailing Name: INNOVATIVE MICRO TECHNOLOGY
Mailing Care Of: JOHN FOSTER
Mailing Address: 75 ROBIN HILL RD
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0507430
Pe #: 1800
Current Status: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INNOVATIVE MICRO TECHNOLOGY (Continued)

1007198721

Facility Id: FA0001357
Region: SANTA BARBARA
Cross Street: LA PATERA
Latitude: Not reported
Longitude: Not reported
Mailing Name: INNOVATIVE MICRO TECHNOLOGY
Mailing Care Of: JOHN FOSTER
Mailing Address: 75 ROBIN HILL RD
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0504703
Pe #: 1500
Current Status: 1

ENVIROSTOR:

Facility ID: 71002200
Status: Inactive - Needs Evaluation
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 37
Senate: 19
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.43511
Longitude: -119.8448
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008342198
Alias Type: EPA Identification Number
Alias Name: 110000746676
Alias Type: EPA (FRS #)
Alias Name: 71002200
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

INNOVATIVE MICRO TECHNOLOGY (Continued)

1007198721

Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

L59
ESE
 1/4-1/2
 0.297 mi.
 1568 ft.

RAYTHEON H9
112 ROBIN HILL ROAD
GOLETA, CA 93117
 Site 2 of 2 in cluster L

SLIC S100222335
CUPA Listings N/A
CHMIRS

Relative:
Lower

SLIC:
 Region: STATE
Facility Status: **Open - Site Assessment**
 Status Date: 03/23/2011
 Global Id: T10000003017
 Lead Agency: CENTRAL COAST RWQCB (REGION 3)
 Lead Agency Case Number: Not reported
 Latitude: 34.435245
 Longitude: -119.844011
 Case Type: Cleanup Program Site
 Case Worker: AJ
 Local Agency: Not reported
 RB Case Number: 2030004
 File Location: Not reported
 Potential Media Affected: Aquifer used for drinking water supply
 Potential Contaminants of Concern: Trichloroethylene (TCE)
 Site History: Not reported

Actual:
12 ft.

[Click here to access the California GeoTracker records for this facility:](#)

CUPA SANTA BARBARA:

Facility Id: FA0012390
 Region: SANTA BARBARA
 Cross Street: Not reported
 Latitude: Not reported
 Longitude: Not reported
 Mailing Name: VEECO METROLOGY INC.
 Mailing Care Of: STEPHENIE CHANDLER
 Mailing Address: 112 ROBIN HILL RD
 Mailing City: SANTA BARBARA
 Mailing State: CA
 Mailing Zip Code: 93117
 Record Id: PR0220924
 Pe #: 2201
 Current Status: 1

Facility Id: FA0012390
 Region: SANTA BARBARA
 Cross Street: Not reported
 Latitude: Not reported
 Longitude: Not reported
 Mailing Name: VEECO METROLOGY INC.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON H9 (Continued)

S100222335

Mailing Care Of:	STEPHENIE CHANDLER
Mailing Address:	112 ROBIN HILL RD
Mailing City:	SANTA BARBARA
Mailing State:	CA
Mailing Zip Code:	93117
Record Id:	PR0507255
Pe #:	2161
Current Status:	1

CHMIRS:

OES Incident Number:	9991134
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	05-NOV-88
Date Completed:	05-NOV-88
Property Use:	600
Agency Id Number:	42035
Agency Incident Number:	14808
Time Notified:	2001
Time Completed:	2251
Surrounding Area:	099
Estimated Temperature:	60
Property Management:	P
Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported
Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	2
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	1
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA/DOT/PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	CAPT. NEIL KITLEY
Report Date:	06-NOV-88
Comments:	Y
Facility Telephone:	805 686-5062
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON H9 (Continued)

S100222335

Year:	88-92
Agency:	Not reported
Incident Date:	Not reported
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	14-FEB-89
Substance:	Not reported
Quantity Released:	Not reported
BBLS:	Not reported
Cups:	Not reported
CUFT:	Not reported
Gallons:	Not reported
Grams:	Not reported
Pounds:	Not reported
Liters:	Not reported
Ounces:	Not reported
Pints:	Not reported
Quarts:	Not reported
Sheen:	Not reported
Tons:	Not reported
Unknown:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
Description:	Not reported
OES Incident Number:	98-4982
OES notification:	11/05/1998
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported
Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agency Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

RAYTHEON H9 (Continued)

S100222335

Vehicle State: Not reported
 Vehicle Id Number: Not reported
 CA/DOT/PUC/ICC Number: Not reported
 Company Name: Not reported
 Reporting Officer Name/ID: Not reported
 Report Date: Not reported
 Comments: Not reported
 Facility Telephone: Not reported
 Waterway Involved: Yes
 Waterway: Storm drain
 Spill Site: Not reported
 Cleanup By: Responsible Party
 Containment: Not reported
 What Happened: Not reported
 Type: Not reported
 Measure: Not reported
 Other: Not reported
 Date/Time: Not reported
 Year: 1998
 Agency: Goleta Sanitary District
 Incident Date: 11/5/1998 12:00:00 AM
 Admin Agency: Santa Barbara County Environmental Health
 Amount: Not reported
 Contained: Yes
 Site Type: Road
 E Date: Not reported
 Substance: Raw sewage
 Quantity Released: Not reported
 BBLS: 0
 Cups: 0
 CUFT: 0
 Gallons: 1000
 Grams: 0
 Pounds: 0
 Liters: 0
 Ounces: 0
 Pints: 0
 Quarts: 0
 Sheen: 0
 Tons: 0
 Unknown: 0
 Evacuations: 0
 Number of Injuries: 0
 Number of Fatalities: 0
 Description: Grease blocked downstream side of a manhole.

60
SSE
1/4-1/2
0.298 mi.
1575 ft.

S.B. CITY, AIRPORT MAINT
1699 FIRESTONE RD
GOLETA, CA 93117

HIST CORTESE
LUST
CUPA Listings

S100944352
N/A

Relative:
Lower

HIST CORTESE:
 Region: CORTESE
 Facility County Code: 42
 Reg By: LTNKA
 Reg Id: 2021

Actual:
12 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S.B. CITY, AIRPORT MAINT (Continued)

S100944352

LUST:

Region: STATE
Global Id: T0608300073
Latitude: 34.430298823
Longitude: -119.848452129
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/10/1995
Lead Agency: SANTA BARBARA COUNTY LOP
Case Worker: CSB
Local Agency: SANTA BARBARA COUNTY LOP
RB Case Number: 2021
LOC Case Number: 51648
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0608300073
Contact Type: Local Agency Caseworker
Contact Name: CLOSED Santa Barbara Co LOP SITES
Organization Name: SANTA BARBARA COUNTY LOP
Address: 2125 S. Centerpointe Parkway, Suite #333
City: Santa Maria
Email: paul.mccaw@sbcphd.org
Phone Number: 8053468359

Status History:

Global Id: T0608300073
Status: Open - Verification Monitoring
Status Date: 06/26/1992

Global Id: T0608300073
Status: Open - Site Assessment
Status Date: 10/16/1991

Global Id: T0608300073
Status: Completed - Case Closed
Status Date: 01/10/1995

Global Id: T0608300073
Status: Open - Remediation
Status Date: 04/15/1992

Global Id: T0608300073
Status: Open - Remediation
Status Date: 06/08/1993

Global Id: T0608300073
Status: Open - Case Begin Date
Status Date: 03/21/1990

Global Id: T0608300073
Status: Open - Site Assessment

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S.B. CITY, AIRPORT MAINT (Continued)

S100944352

Status Date: 03/21/1990
Global Id: T0608300073
Status: Open - Site Assessment
Status Date: 04/04/1990

Regulatory Activities:

Global Id: T0608300073
Action Type: Other
Date: 01/01/1950
Action: Leak Reported
Global Id: T0608300073
Action Type: ENFORCEMENT
Date: 03/21/1990
Action: * Historical Enforcement
Global Id: T0608300073
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

LUST REG 3:

Region: 3
Regional Board: Central Coast Region
Facility County: Santa Barbara
Global ID: T0608300073
Status: Case Closed
Case Number: 2021
Local Case Num: 51648
Case Type: S
Substance: Diesel
Quantity: Not reported
Abatement Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)
Leak Source: Not reported
Leak Cause: Not reported
How Stopped: Not reported
How Discovered: Not reported
Release Date: 03/21/1990
Discovered Date: 3/21/90
Enter Date: / /
Stop Date: Not reported
Review Date: / /
Enforce Date: 3/21/90
Close Date: 1/10/95
Enforcement Type: EF
Responsible Party: Not reported
RP Address: Not reported
Contact: Not reported
Cross Street: Not reported
Local Agency: 42000L
Lead Agency: Local Agency
Staff Initials: RBA
Confirm Leak: 4/4/90

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S.B. CITY, AIRPORT MAINT (Continued)

S100944352

Workplan: 3/21/90
Prelim Assess: 10/16/91
Pollution Char: 10/16/1991
Remedial Plan: 4/15/92
Remedial Action: 6/8/93
Monitoring: 06/26/1992
Pilot Program: LOP
Interim Action: Not reported
Funding: F
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NRQ
Lat/Long: 34.4318019 / -119.8457692
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 0
Org Name: Not reported
Basin Plan: Not reported
Beneficial: Not reported
Priority: 3B2
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: DORAL NEELEY
Well Name: WELL
Distance From Well: 0
Assigned Name: 04N/28W-17D06 S
Summary: Not reported

CUPA SANTA BARBARA:

Facility Id: FA0004537
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: 34.4311
Longitude: -119.848
Mailing Name: SANTA BARBARA, CITY OF
Mailing Care Of: RICHARD APARICIO
Mailing Address: PO BOX 1990
Mailing City: SANTA BARBARA
Mailing State: CA
Mailing Zip Code: 93102
Record Id: PR0211648
Pe #: 2162
Current Status: 1

Facility Id: FA0004537
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: 34.4311
Longitude: -119.848
Mailing Name: SANTA BARBARA, CITY OF
Mailing Care Of: RICHARD APARICIO
Mailing Address: PO BOX 1990
Mailing City: SANTA BARBARA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S.B. CITY, AIRPORT MAINT (Continued)

S100944352

Mailing State: CA
Mailing Zip Code: 93102
Record Id: PR0231648
Pe #: 2302
Current Status: 1

Facility Id: FA0004537
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: 34.4311
Longitude: -119.848
Mailing Name: SANTA BARBARA, CITY OF
Mailing Care Of: RICHARD APARICIO
Mailing Address: PO BOX 1990
Mailing City: SANTA BARBARA
Mailing State: CA
Mailing Zip Code: 93102
Record Id: PR0221648
Pe #: 2203
Current Status: 1

Facility Id: FA0004537
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: 34.4311
Longitude: -119.848
Mailing Name: SANTA BARBARA, CITY OF
Mailing Care Of: RICHARD APARICIO
Mailing Address: PO BOX 1990
Mailing City: SANTA BARBARA
Mailing State: CA
Mailing Zip Code: 93102
Record Id: PR0508427
Pe #: 2302
Current Status: 2

**M61
ESE
1/4-1/2
0.309 mi.
1631 ft.**

**EG&G ENERGY
130 ROBIN HILL ROAD
GOLETA, CA 93117**

Site 1 of 4 in cluster M

**SLIC S103627645
N/A**

**Relative:
Lower**

SLIC:

**Actual:
12 ft.**

Region: STATE
Facility Status: Completed - Case Closed
Status Date: 05/01/2014
Global Id: T10000000293
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Lead Agency Case Number: Not reported
Latitude: 34.434043
Longitude: -119.843916
Case Type: Cleanup Program Site
Case Worker: AJ
Local Agency: Not reported
RB Case Number: Not reported
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern: Trichloroethylene (TCE)

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

EG&G ENERGY (Continued)

S103627645

Site History:

On June 6, 2005, Central Coast Water Board staff issued a letter to EG&G Energy requesting an assessment of soil and groundwater to determine if a release of chlorinated solvents has occurred at the former EG&G Energy property located at 130 and 132 Robin Hill Road in Goleta, California. In response to the Central Coast Water Boards request for a soil and groundwater assessment, Waterstone Environmental, Inc. submitted a document on July 1, 2005 with additional site information on EG&G Energys operating history at the subject site and a detailed summary of various environmental investigations for neighboring properties. Based on the review of documents submitted for the former EG&G property and a review of all available soil and groundwater information for neighboring properties, Central Coast Water Board staff concluded that information was inconclusive to determine the source of trichloroethene (TCE) and other chlorinated solvents in groundwater beneath the former EG&G Energy (132 Robin Hill Road), Raytheon (112 Robin Hill Road), and Neal Feay (133 South La Patera Lane) properties. The Water Board required additional investigation under the subject property in a letter dated August 25, 2006. Waterstone submitted a workplan to conduct this work in October 2006. The workplan was approved by the Water Board on November 22, 2006. Work was conducted November 30, 2006 and a report documenting the results of this work was submitted to the Water Board in January 2007. In 2014, staff issued a closure letter based on the following: extent of pollutants had been adequately characterized, limited use of TCE at the site, lack of soil impacts and no evidence of spill or leaks, higher TCE concentrations at upgradient site.

[Click here to access the California GeoTracker records for this facility:](#)

N62
SE
 1/4-1/2
 0.316 mi.
 1667 ft.

RAYTHEON SYSTEMS COMPANY
6380 HOLLISTER AVE
GOLETA, CA 93117

SLIC S103439258
WDS N/A

Site 1 of 4 in cluster N

Relative:
Lower

SLIC REG 3:

Region: 3
 Leak Site Cross Street: Not reported
 Regional Board Case#: S108
 Entered Into Database: Not reported
 Discovered: RPR
 RB Case In: RAYTHEON SYSTEMS COMPANY
 Responsible Party: THOMAS MEADE
 RP Contact: Not reported
 RP Phone: Not reported
 RP Number: Not reported
 RP Address: 75 COROMAR DRIVE
 RP City,St,Zip: GOLETA, CA 93117
 Date First Reported: Not reported
 Lead Agency: Regional Board
 Program Type: SLIC
 Facility Status: Post Remediation Action Monitoring
 Case Type: Other ground water affected
 Case Type Undetermined: No
 Case Type Soil Impacted: No
 Case Type Surface Water: No
 Case Type Drinkin Water Well: No

Actual:
13 ft.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

RAYTHEON SYSTEMS COMPANY (Continued)

S103439258

Case Type Drinking Water Aqfr: No
 Case Type Other Grnd Wtr: Yes
 PCA: 2030004

CA WDS:

Facility ID: Central Coastal 421000075
 Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
 Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
 NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
 Subregion: 3
 Facility Telephone: 8059675511
 Facility Contact: Tom Meade
 Agency Name: RAYTHEON SYSTEMS COMPANY
 Agency Address: 6380 HOLLISTER AVE
 Agency City,St,Zip: GOLETA 93117
 Agency Contact: Tom Meade
 Agency Telephone: 8059675511
 Agency Type: Private
 SIC Code: 0
 SIC Code 2: Not reported
 Primary Waste Type: Not reported
 Primary Waste: Not reported
 Waste Type2: Not reported
 Waste2: Not reported
 Primary Waste Type: Not reported
 Secondary Waste: Not reported
 Secondary Waste Type: Not reported
 Design Flow: 0
 Baseline Flow: 0
 Reclamation: Not reported
 POTW: Not reported
 Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
 Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

N63
SE
1/4-1/2
0.316 mi.
1667 ft.

RAYTHEON ELECTRONIC WARFARE SYSTEMS
6380 HOLLISTER AVE
GOLETA, CA 93117
Site 2 of 4 in cluster N

RCRA-TSDF 1000407766
CERC-NFRAP CAD001425206
CORRACTS
RCRA-SQG
FINDS
2020 COR ACTION

Relative:
Lower

RCRA-TSDF:
 Date form received by agency: 05/21/2012

Actual:
13 ft.

Facility name: RAYTHEON ELECTRONIC WARFARE SYSTEMS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON ELECTRONIC WARFARE SYSTEMS (Continued)

1000407766

Facility address: 6380 HOLLISTER AVE
GOLETA, CA 93117
EPA ID: CAD001425206
Mailing address: 75 COROMAR DR
MS B5/96
GOLETA, CA 93117
Contact: SAL HERNANDEZ JR
Contact address: 75 COROMAR DR MS B5/96
GOLETA, CA 93117
Contact country: US
Contact telephone: 805-562-2920
Contact email: SAL.HERNANDEZ@RAYTHEON.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Owner/Operator Summary:

Owner/operator name: RAYTHEON COMPANY
Owner/operator address: 870 WINTER STREET
WALTHAM, MA 02451
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/16/1956
Owner/Op end date: Not reported

Owner/operator name: RAYTHEON PUBLIC COMPANY
Owner/operator address: 870 WINTER ST
WALTHAM, MA 02451
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: 12/17/1997
Owner/Op end date: Not reported

Owner/operator name: RAYTHEON COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/16/1956
Owner/Op end date: Not reported

Owner/operator name: RAYTHEON PUBLIC COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: 12/17/1997

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON ELECTRONIC WARFARE SYSTEMS (Continued)

1000407766

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/29/2012
Facility name: RAYTHEON ELECTRONIC WARFARE SYSTEMS
Classification: Small Quantity Generator

Date form received by agency: 02/27/2008
Facility name: RAYTHEON ELECTRONIC WARFARE SYSTEMS
Site name: RAYTHEON
Classification: Large Quantity Generator

Date form received by agency: 02/20/2004
Facility name: RAYTHEON ELECTRONIC WARFARE SYSTEMS
Site name: RAYTHEON EW OPERATIONS
Classification: Small Quantity Generator

Date form received by agency: 02/20/2004
Facility name: RAYTHEON ELECTRONIC WARFARE SYSTEMS
Site name: RAYTHEON EW OPERATIONS
Classification: Large Quantity Generator

Date form received by agency: 02/18/2002
Facility name: RAYTHEON ELECTRONIC WARFARE SYSTEMS
Site name: RAYTHEON ELECTRONIC SYSTEMS - EW
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Facility name: RAYTHEON ELECTRONIC WARFARE SYSTEMS
Site name: RAYTHEON EW
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Facility name: RAYTHEON ELECTRONIC WARFARE SYSTEMS
Site name: RAYTHEON SYSTEMS COMPANY SENSORS & ELECT
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Facility name: RAYTHEON ELECTRONIC WARFARE SYSTEMS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON ELECTRONIC WARFARE SYSTEMS (Continued)

1000407766

Site name: RAYTHEON ELECTROMAGNETIC SYST DIV
Classification: Large Quantity Generator

Date form received by agency: 02/07/1996
Facility name: RAYTHEON ELECTRONIC WARFARE SYSTEMS
Site name: E-SYSTEMS/GOLETA DIVISION
Classification: Large Quantity Generator

Date form received by agency: 03/25/1994
Facility name: RAYTHEON ELECTRONIC WARFARE SYSTEMS
Site name: RAYTHEON COMPANY ESD
Classification: Large Quantity Generator

Date form received by agency: 01/29/1992
Facility name: RAYTHEON ELECTRONIC WARFARE SYSTEMS
Site name: RAYTHEON ELECTROMAGNETIC SYSTE
Classification: Large Quantity Generator

Date form received by agency: 07/17/1990
Facility name: RAYTHEON ELECTRONIC WARFARE SYSTEMS
Site name: RAYTHEON CO. ESD
Classification: Large Quantity Generator

Date form received by agency: 10/01/1980
Facility name: RAYTHEON ELECTRONIC WARFARE SYSTEMS
Site name: RAYTHEON ELECTROMAGNETIC SYST DIV
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: 134
Waste name: 134

Waste code: 181
Waste name: 181

Waste code: 214
Waste name: 214

Waste code: 331
Waste name: 331

Waste code: 352
Waste name: 352

Waste code: 551
Waste name: 551

Waste code: 792
Waste name: 792

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON ELECTRONIC WARFARE SYSTEMS (Continued)

1000407766

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D011
Waste name: SILVER

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Corrective Action Summary:

Event date: 01/01/1990
Event: CA029ST

Event date: 08/30/1991
Event: RFA Completed, Assessment was a PA-Plus.

Event date: 08/30/1991
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 08/30/1991
Event: CA029EP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON ELECTRONIC WARFARE SYSTEMS (Continued)

1000407766

Event date:	08/30/1991
Event:	CA074LO
Event date:	08/30/1991
Event:	CA049PA
Event date:	01/01/1994
Event:	RFI Imposition
Event date:	10/25/1994
Event:	RFI Workplan Approved
Event date:	10/21/1997
Event:	Stabilization Measures Evaluation, This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations.
Event date:	10/21/1997
Event:	CA Responsibility Referred To A Non-RCRA Federal Authority
Event date:	10/21/1997
Event:	CA Prioritization, Facility or area was assigned a high corrective action priority.
Event date:	10/21/1997
Event:	Current Human Exposures under Control, Current human exposures are NOT under control.
Event date:	10/21/1997
Event:	Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.
Event date:	10/21/1997
Event:	Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.
Event date:	10/21/1997
Event:	Current Human Exposures under Control, Current human exposures are NOT under control.
Event date:	11/15/2000
Event:	Current Human Exposures under Control, More information is needed to make a determination.
Event date:	11/15/2000
Event:	Igration of Contaminated Groundwater under Control, More information is needed to make a determination.
Event date:	12/28/2000
Event:	Current Human Exposures under Control, More information is needed to make a determination.
Event date:	12/28/2000
Event:	Igration of Contaminated Groundwater under Control, More information is needed to make a determination.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON ELECTRONIC WARFARE SYSTEMS (Continued)

1000407766

Event date: 09/23/2003
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event date: 09/23/2003
Event: Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event date: 09/23/2003
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event date: 09/23/2003
Event: Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event date: 08/01/2012
Event: CA550RC

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 06/09/1994
Date achieved compliance: 09/18/2002
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 3000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON ELECTRONIC WARFARE SYSTEMS (Continued)

1000407766

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 06/09/1994
Date achieved compliance: 09/18/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 04/28/1994
Date achieved compliance: 09/18/2002
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 3000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 04/28/1994
Date achieved compliance: 09/18/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 05/08/1992
Date achieved compliance: 09/18/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/21/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON ELECTRONIC WARFARE SYSTEMS (Continued)

1000407766

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 05/08/1992
Date achieved compliance: 09/18/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/21/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 05/08/1992
Date achieved compliance: 09/18/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/21/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 01/30/1990
Date achieved compliance: 09/18/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/29/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 01/30/1990
Date achieved compliance: 05/02/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/29/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON ELECTRONIC WARFARE SYSTEMS (Continued)

1000407766

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 01/30/1990
Date achieved compliance: 05/02/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/29/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 01/30/1990
Date achieved compliance: 05/02/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/29/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 03/30/1988
Date achieved compliance: 05/02/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/02/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 03/30/1988
Date achieved compliance: 02/02/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON ELECTRONIC WARFARE SYSTEMS (Continued)

1000407766

Area of violation: LDR - General
Date violation determined: 03/30/1988
Date achieved compliance: 05/02/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 03/30/1995
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/28/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 09/18/2002
Evaluation lead agency: State

Evaluation date: 04/28/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 09/18/2002
Evaluation lead agency: State

Evaluation date: 06/29/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/08/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 09/18/2002
Evaluation lead agency: State

Evaluation date: 05/08/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 09/18/2002
Evaluation lead agency: State

Evaluation date: 05/08/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 09/18/2002
Evaluation lead agency: State

Evaluation date: 01/30/1990

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON ELECTRONIC WARFARE SYSTEMS (Continued)

1000407766

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 05/02/1992
Evaluation lead agency: State

Evaluation date: 01/30/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 05/02/1992
Evaluation lead agency: State

Evaluation date: 01/30/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 09/18/2002
Evaluation lead agency: State

Evaluation date: 01/30/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/02/1992
Evaluation lead agency: State

Evaluation date: 01/30/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/30/1988
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: LDR - General
Date achieved compliance: 02/02/1992
Evaluation lead agency: State

Evaluation date: 03/30/1988
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: LDR - General
Date achieved compliance: 05/02/1992
Evaluation lead agency: State

Evaluation date: 03/30/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/02/1992
Evaluation lead agency: State

Evaluation date: 03/01/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

CERC-NFRAP:

Site ID: 0903364
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON ELECTRONIC WARFARE SYSTEMS (Continued)

1000407766

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13285367.00000
Person ID: 13003854.00000

Contact Sequence ID: 13290962.00000
Person ID: 13003858.00000

Contact Sequence ID: 13296820.00000
Person ID: 13004003.00000

Program Priority:

Description: RCRA Deferral - Lead Confirmed

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: / /
Date Completed: 04/01/91
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 09/09/91
Priority Level: Deferred to RCRA (Subtitle C)

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 01/23/96
Priority Level: Not reported

CORRACTS:

EPA ID: CAD001425206
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20120801
Action: CA550RC
NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical
System and Instrument Manufacturing
Original schedule date: 20120831
Schedule end date: Not reported

EPA ID: CAD001425206
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19900101
Action: CA029ST
NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical
System and Instrument Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD001425206
EPA Region: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON ELECTRONIC WARFARE SYSTEMS (Continued)

1000407766

Area Name: ENTIRE FACILITY
Actual Date: 19940101
Action: CA100 - RFI Imposition
NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD001425206
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20001115
Action: CA725IN - Current Human Exposures Under Control, More information is needed to make a determination
NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing
Original schedule date: 20001115
Schedule end date: Not reported

EPA ID: CAD001425206
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20001115
Action: CA750IN - Migration of Contaminated Groundwater under Control, More information is needed to make a determination
NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing
Original schedule date: 20001115
Schedule end date: Not reported

EPA ID: CAD001425206
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19971021
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD001425206
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19971021
Action: CA225YE - Stabilization Measures Evaluation, This facility ,is amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations
NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing
Original schedule date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON ELECTRONIC WARFARE SYSTEMS (Continued)

1000407766

Schedule end date: Not reported

EPA ID: CAD001425206
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19971021
Action: CA750NO - Migration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected
NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD001425206
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19971021
Action: CA725NO - Current Human Exposures Under Control, Current human exposures are NOT under control
NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

Original schedule date: 19971021
Schedule end date: Not reported

EPA ID: CAD001425206
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19971021
Action: CA210 - CA Responsibility Referred To A Non-RCRA Federal Authority
NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD001425206
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19971021
Action: CA750NO - Migration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected
NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

Original schedule date: 19971021
Schedule end date: Not reported

EPA ID: CAD001425206
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20030923
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON ELECTRONIC WARFARE SYSTEMS (Continued)

1000407766

NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

Original schedule date: 20030923
Schedule end date: Not reported

EPA ID: CAD001425206
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20030923
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified

NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

Original schedule date: 20030923
Schedule end date: Not reported

EPA ID: CAD001425206
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20030923
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified

NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD001425206
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20030923
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified

NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD001425206
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19941025
Action: CA150 - RFI Workplan Approved

NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD001425206
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20001228

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON ELECTRONIC WARFARE SYSTEMS (Continued)

1000407766

Action: CA725IN - Current Human Exposures Under Control, More information is needed to make a determination

NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

Original schedule date: Not reported

Schedule end date: Not reported

EPA ID: CAD001425206

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 20001228

Action: CA750IN - Migration of Contaminated Groundwater under Control, More information is needed to make a determination

NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

Original schedule date: Not reported

Schedule end date: Not reported

EPA ID: CAD001425206

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 19910830

Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority

NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

Original schedule date: Not reported

Schedule end date: Not reported

EPA ID: CAD001425206

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 19910830

Action: CA074LO

NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

Original schedule date: Not reported

Schedule end date: Not reported

EPA ID: CAD001425206

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 19910830

Action: CA050PA - RFA Completed, Assessment was a PA-Plus

NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

Original schedule date: Not reported

Schedule end date: Not reported

EPA ID: CAD001425206

EPA Region: 09

Area Name: ENTIRE FACILITY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON ELECTRONIC WARFARE SYSTEMS (Continued)

1000407766

Actual Date: 19910830
Action: CA049PA
NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD001425206
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19910830
Action: CA029EP
NAICS Code(s): 334511
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

FINDS:

Registry ID: 110000609182

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-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.

HAZARDOUS WASTE BIENNIAL REPORTER

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

2020 COR ACTION:

EPA ID: CAD001425206
Region: 9
Action: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

N64
SE
1/4-1/2
0.316 mi.
1667 ft.
RAYTHEON E W
6380 HOLLISTER AVE
GOLETA, CA 93117
Site 3 of 4 in cluster N

NPDES
SLIC
HIST UST
CUPA Listings
ENVIROSTOR
HWP
U001580690
N/A

Relative:
Lower

NPDES:

Actual:
13 ft.

Npdes Number: CAS000001
Facility Status: Active
Agency Id: 0
Region: 3
Regulatory Measure Id: 186108
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 3 42I000075
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 02/18/1992
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Raytheon EW
Discharge Address: 6380 Hollister Ave
Discharge City: Goleta
Discharge State: California
Discharge Zip: 93117

SLIC:

Region: STATE
Facility Status: Open - Verification Monitoring
Status Date: 03/18/2003
Global Id: SLT3S0731307
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Lead Agency Case Number: Not reported
Latitude: 34.432509559
Longitude: -119.8457632
Case Type: Cleanup Program Site
Case Worker: DT
Local Agency: SANTA BARBARA COUNTY
RB Case Number: S108
File Location: Regional Board
Potential Media Affected: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Not reported
Site History: SITE IS A SPECIALIZED MANUFACTURING FACILITY.

[Click here to access the California GeoTracker records for this facility:](#)

HIST UST:

Region: STATE
Facility ID: 00000035367
Facility Type: Other
Other Type: ELECTRONICS MFG.
Total Tanks: 0001
Contact Name: Not reported
Telephone: 8059675511
Owner Name: RAYTHEON COMPANY
Owner Address: 141 SPRING STREET

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON E W (Continued)

U001580690

Owner City,St,Zip: LEXINGTON, MA 02173

Tank Num: 001
Container Num: 1
Year Installed: 1982
Tank Capacity: 00005000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 0.25 inches
Leak Detection: Not reported

CUPA SANTA BARBARA:

Facility Id: FA0006159
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: RAYTHEON
Mailing Care Of: BARRY PABST - FIRE PREVENTION
Mailing Address: 75 COROMAR DR -- B5
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0220585
Pe #: 2203
Current Status: 1

Facility Id: FA0006159
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: RAYTHEON
Mailing Care Of: BARRY PABST - FIRE PREVENTION
Mailing Address: 75 COROMAR DR -- B5
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0210585
Pe #: 2165
Current Status: 1

Facility Id: FA0006159
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: RAYTHEON
Mailing Care Of: BARRY PABST - FIRE PREVENTION
Mailing Address: 75 COROMAR DR -- B5
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0504781
Pe #: 1500
Current Status: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON E W (Continued)

U001580690

ENVIROSTOR:

Facility ID: 80001519
Status: Refer: RWQCB
Status Date: 01/01/2008
Site Code: Not reported
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: RWQCB
Lead Agency: WQC
Program Manager: Not reported
Supervisor: * Unknown
Division Branch: Cleanup Chatsworth
Assembly: 37
Senate: 19
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.43196
Longitude: -119.8466
APN: 073-050-027
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 073-050-027
Alias Type: APN
Alias Name: CAD001425206
Alias Type: EPA Identification Number
Alias Name: 110000609182
Alias Type: EPA (FRS #)
Alias Name: 80001519
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed
Completed Date: 08/01/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 10/25/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 08/30/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON E W (Continued)

U001580690

Completed Document Type: Human Exposure Controlled
Completed Date: 10/21/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 09/23/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 11/15/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 10/21/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 10/21/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 11/15/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 09/23/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 01/01/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 08/30/1991
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedy Constructed
Future Due Date: 2017
Schedule Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON E W (Continued)

U001580690

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Facility ID: 71002133
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 37
Senate: 19
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.43294
Longitude: -119.8462
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD001425206
Alias Type: EPA Identification Number
Alias Name: 110000609182
Alias Type: EPA (FRS #)
Alias Name: 71002133
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase I Verification
Completed Date: 11/21/1997
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HWP:

EPA Id: CAD001425206

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON E W (Continued)

U001580690

Cleanup Status: CLOSED
Latitude: 34.43161
Longitude: -119.8472
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: 37
Senate District: 19
Public Information Officer: Not reported

Activities:

EPA Id: CAD001425206
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKTRT1
Event Description: New Operating Permit - PERMIT TERMINATED - TERMINATION RECEIVED
Actual Date: 12/12/1991

EPA Id: CAD001425206
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKTRT1
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 06/30/1987

EPA Id: CAD001425206
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKTRT1
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 04/21/1986

EPA Id: CAD001425206
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKTRT1
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/19/1980

EPA Id: CAD001425206
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKTRT1
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 06/30/1987

EPA Id: CAD001425206
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKTRT1
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 06/26/1985

EPA Id: CAD001425206
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKTRT1
Event Description: New Operating Permit - PERMIT TERMINATED - TERMINATION APPROVED
Actual Date: 06/30/1987

EPA Id: CAD001425206
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKTRT1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON E W (Continued)

U001580690

Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 06/30/1992

Closure:
EPA Id: CAD001425206
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 07/27/1995

EPA Id: CAD001425206
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 06/26/1985

EPA Id: CAD001425206
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKSTR1, TANKTRT1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 02/19/1997

EPA Id: CAD001425206
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1
Event Description: Closure - CLOSURE NOTICE RECEIVED
Actual Date: 05/31/1995

EPA Id: CAD001425206
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 05/30/1996

EPA Id: CAD001425206
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1
Event Description: Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date: 03/01/1996

EPA Id: CAD001425206
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1
Event Description: Closure - CLOSURE PLAN REQUESTED
Actual Date: 07/27/1995

Alias:
EPA Id: CAD001425206
Facility Type: Historical - Non-Operating
Alias Type: FRS
Alias: 110000609182

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

65
SE
1/4-1/2
0.354 mi.
1871 ft.

ROBIN HILL ROAD/HOLLISTER AVE.
GOLETA, CA 91118

Notify 65 S100178698
N/A

Relative:
Lower

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: 91118

Actual:
13 ft.

N66
SE
1/4-1/2
0.356 mi.
1879 ft.

DYNASEN INC
20 ARNOLD PL
SANTA BARBARA, CA 93117

HIST CORTESE S104161152
LUST N/A
CUPA Listings

Site 4 of 4 in cluster N

Relative:
Lower

HIST CORTESE:
Region: CORTESE
Facility County Code: 42
Reg By: LTNKA
Reg Id: 2175

Actual:
12 ft.

LUST:

Region: STATE
Global Id: T0608300150
Latitude: 34.430888989
Longitude: -119.846929473
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/07/1999
Lead Agency: SANTA BARBARA COUNTY LOP
Case Worker: CSB
Local Agency: SANTA BARBARA COUNTY LOP
RB Case Number: 2175
LOC Case Number: 50689
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0608300150
Contact Type: Local Agency Caseworker
Contact Name: CLOSED Santa Barbara Co LOP SITES
Organization Name: SANTA BARBARA COUNTY LOP
Address: 2125 S. Centerpointe Parkway, Suite #333
City: Santa Maria
Email: paul.mccaw@sbcphd.org
Phone Number: 8053468359

Status History:

Global Id: T0608300150
Status: Open - Site Assessment

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNASEN INC (Continued)

S104161152

Status Date: 04/14/1992

Global Id: T0608300150
Status: Open - Case Begin Date
Status Date: 04/01/1992

Global Id: T0608300150
Status: Completed - Case Closed
Status Date: 05/07/1999

Regulatory Activities:

Global Id: T0608300150
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0608300150
Action Type: ENFORCEMENT
Date: 01/02/2014
Action: File review

Global Id: T0608300150
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0608300150
Action Type: RESPONSE
Date: 12/09/1992
Action: Preliminary Site Assessment Report

Global Id: T0608300150
Action Type: RESPONSE
Date: 04/29/1992
Action: Tank Removal Report / UST Sampling Report

Global Id: T0608300150
Action Type: RESPONSE
Date: 07/20/1996
Action: Monitoring Report - Quarterly

Global Id: T0608300150
Action Type: RESPONSE
Date: 01/27/1999
Action: Other Report / Document

LUST REG 3:

Region: 3
Regional Board: Central Coast Region
Facility County: Santa Barbara
Global ID: T0608300150
Status: Case Closed
Case Number: 2175
Local Case Num: 50689
Case Type: S

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNASEN INC (Continued)

S104161152

Substance: Diesel
Quantity: Not reported
Abatement Method: Other
Leak Source: Not reported
Leak Cause: Not reported
How Stopped: Not reported
How Discovered: Not reported
Release Date: 04/01/1992
Discovered Date: 4/1/92
Enter Date: / /
Stop Date: Not reported
Review Date: / /
Enforce Date: 1/1/65
Close Date: 5/7/99
Enforcement Type: None Taken
Responsible Party: Not reported
RP Address: Not reported
Contact: Not reported
Cross Street: Not reported
Local Agency: 42000L
Lead Agency: Local Agency
Staff Initials: RBA
Confirm Leak: 4/14/92
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: / /
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Pilot Program: LOP
Interim Action: Not reported
Funding: F
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NRQ
Lat/Long: 34.4357469 / -119.8391923
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 0
Org Name: Not reported
Basin Plan: Not reported
Beneficial: Not reported
Priority: 1C3
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: GOLETA WATER DISTRICT
Well Name: AIRPORT WELL - STANDBY
Distance From Well: 0
Assigned Name: 04N/28W-08P05 S
Summary: Not reported

CUPA SANTA BARBARA:

Facility Id:

FA0001200

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DYNASEN INC (Continued)

S104161152

Region: SANTA BARBARA
Cross Street: COOK PL.
Latitude: Not reported
Longitude: Not reported
Mailing Name: DYNASEN INC
Mailing Care Of: JACQUES A CHAREST
Mailing Address: 20 ARNOLD PL
Mailing City: SANTA BARBARA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0220321
Pe #: 2201
Current Status: 1

M67
ESE
1/4-1/2
0.357 mi.
1884 ft.

APPLIED MAGNETICS CORP
6300 HOLLISTER AVENUE
GOLETA, CA 93117

RCRA NonGen / NLR
CA FID UST
SLIC
CUPA Listings
EMI

1000284773
CAD982481863

Site 2 of 4 in cluster M

Relative:
Lower

RCRA NonGen / NLR:
Date form received by agency: 10/12/2000

Actual:
12 ft.

Facility name: APPLIED MAGNETICS CORP
Site name: APPLIED MAGNETICS HOLLISTER FACILITY
Facility address: 6300 HOLLISTER AVENUE
GOLETA, CA 93117
EPA ID: CAD982481863
Mailing address: 75 ROBIN HILL ROAD
GOLETA, CA 93117
Contact: ANDRES WALLIS
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (805) 681-2861
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

APPLIED MAGNETICS CORP (Continued)

1000284773

Historical Generators:

Date form received by agency: 02/17/2000

Facility name: APPLIED MAGNETICS CORP

Classification: Not a generator, verified

Date form received by agency: 03/04/1999

Facility name: APPLIED MAGNETICS CORP

Site name: APPLIED MAGNETICS HOLLISTER FACILITY

Classification: Large Quantity Generator

Date form received by agency: 09/01/1996

Facility name: APPLIED MAGNETICS CORP

Classification: Large Quantity Generator

Date form received by agency: 03/27/1996

Facility name: APPLIED MAGNETICS CORP

Site name: HOLLISTER FACILITY

Classification: Large Quantity Generator

Date form received by agency: 03/25/1994

Facility name: APPLIED MAGNETICS CORP

Classification: Large Quantity Generator

Date form received by agency: 03/26/1992

Facility name: APPLIED MAGNETICS CORP

Classification: Large Quantity Generator

Date form received by agency: 05/10/1990

Facility name: APPLIED MAGNETICS CORP

Site name: APPLIED MAGNETICS CORPORATION

Classification: Large Quantity Generator

Violation Status: No violations found

CA FID UST:

Facility ID: 42001813

Regulated By: UTKNI

Regulated ID: Not reported

Cortese Code: Not reported

SIC Code: Not reported

Facility Phone: Not reported

Mail To: Not reported

Mailing Address: 75 ROBIN HILL RD

Mailing Address 2: Not reported

Mailing City, St, Zip: GOLETA 93117

Contact: Not reported

Contact Phone: Not reported

DUNS Number: Not reported

NPDES Number: Not reported

EPA ID: Not reported

Comments: Not reported

Status: Inactive

SLIC REG 3:

Region: 3

Leak Site Cross Street: Not reported

Regional Board Case#: S305

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

APPLIED MAGNETICS CORP (Continued)

1000284773

Entered Into Database: Not reported
Discovered: Not reported
RB Case In: INNOVATIVE MICRO TECHNOLOGIES, INC
Responsible Party: PETER ALTAVILLA
RP Contact: Not reported
RP Phone: Not reported
RP Number: Not reported
RP Address: 75 ROBILN HILL RD
RP City,St,Zip: GOLETA, CA 93117
Date First Reported: 1-Jul-01
Lead Agency: Regional Board
Program Type: SLIC
Facility Status: Preliminary Site Assessment Underway
Case Type: Drinking Water Aquifer affected
Case Type Undetermined: No
Case Type Soil Impacted: No
Case Type Surface Water: No
Case Type Drinkin Water Well: No
Case Type Drinking Water Aqfr: Yes
Case Type Other Grnd Wtr: No
PCA: 2030017

CUPA SANTA BARBARA:

Facility Id: FA0013908
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: WYATT TECHNOLOGY
Mailing Care Of: Not reported
Mailing Address: 6300 HOLLISTER AVE
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0509214
Pe #: 2201
Current Status: 1

Facility Id: FA0013908
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: WYATT TECHNOLOGY
Mailing Care Of: Not reported
Mailing Address: 6300 HOLLISTER AVE
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0509216
Pe #: 2100
Current Status: 2

EMI:

Year: 1993
County Code: 42

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

APPLIED MAGNETICS CORP (Continued)

1000284773

Air Basin: SCC
Facility ID: 1033
Air District Name: SB
SIC Code: 3679
Air District Name: SANTA BARBARA COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 14
Reactive Organic Gases Tons/Yr: 14
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1995
County Code: 42
Air Basin: SCC
Facility ID: 1033
Air District Name: SB
SIC Code: 3679
Air District Name: SANTA BARBARA COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1996
County Code: 42
Air Basin: SCC
Facility ID: 1033
Air District Name: SB
SIC Code: 3679
Air District Name: SANTA BARBARA COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1997
County Code: 42
Air Basin: SCC
Facility ID: 1033
Air District Name: SB
SIC Code: 3679
Air District Name: SANTA BARBARA COUNTY APCD
Community Health Air Pollution Info System: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

APPLIED MAGNETICS CORP (Continued)

1000284773

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0

M68
ESE
 1/4-1/2
 0.357 mi.
 1884 ft.

APPLIED MAGNETICS BUILDING
6300 HOLLISTER
GOLETA, CA 91118
Site 3 of 4 in cluster M

Notify 65 **S100179075**
N/A

Relative:
Lower

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: 91118

Actual:
12 ft.

M69
ESE
 1/4-1/2
 0.357 mi.
 1884 ft.

APPLIED MAGNETICS BUILDING
6300 HOLLISTER
GOLETA, CA 91118
Site 4 of 4 in cluster M

SLIC **S100179074**
CUPA Listings **N/A**
Notify 65
ENVIROSTOR

Relative:
Lower

SLIC:
 Region: STATE
Facility Status: **Open - Verification Monitoring**
 Status Date: 12/29/2009
 Global Id: SL0608373605
 Lead Agency: CENTRAL COAST RWQCB (REGION 3)
 Lead Agency Case Number: Not reported
 Latitude: 34.432559
 Longitude: -119.842853
 Case Type: Cleanup Program Site
 Case Worker: DT
 Local Agency: Not reported
 RB Case Number: S305
 File Location: Regional Board
 Potential Media Affected: Aquifer used for drinking water supply
 Potential Contaminants of Concern: Not reported
 Site History: The site was initially developed in 1964 by the Defense Research Corporation, later known as Burroughs Corporation (a software development company). In 1983, AMC acquired the facility for manufacturing magnetic hard products for computer hard drives. In 1999, AMC ceased its operations and the facility has been closed since that time. During the AMC's operation of the facility, regulated substances were stored and used on a routine basis. At the end of 1999, M&E was retained by AMC to conduct a Phase I environmental site assessment (ESA) of the Hollister facility in preparation for sale of property. The Phase I ESA found that minor chemical incidents (namely, fluorine and Freon releases) has occurred

Actual:
12 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

APPLIED MAGNETICS BUILDING (Continued)

S100179074

at the facility, but those minor incidents did not cause adverse impacts to the environment as determined by PSD-Fire/SMU. Nearby facilities, including the Raytheon facility located west of AMC on Hollister Avenue, were found to have caused chlorinated VOC impacts to soil and groundwater. In 2000, related to AMC's attempt to sell the property and in consideration of the chemical use at the AMC Hollister Facility and the known environmental conditions at nearby facilities, AMC directed a consultant (Metcalf and Eddy) to conduct a Phase II ESA using geoprobe-sampling equipment. The objective of the Phase II ESA was to confirm the presence or absence of hazardous substances in the subsurface at 12 locations near areas where regulated substances were used, stored, or otherwise present. The results of the Phase II ESA indicated no soil impacts were present. However, the VOCs including chlorinated VOCs were detected in the groundwater samples collected from the northern portion of the site. The concentrations were generally low, except for one PCE detection (100 parts per billion) at the loading dock. Since there is no evidence that chlorinated VOCs were ever used at the AMC Hollister facility or that there has been a VOC release to the environment at the site, it was concluded that the VOCs detected in the groundwater had migrated under the site from off-site sources. In the spring of 2001, a potential buyer retained AES to conduct a Limited Phase II Groundwater and Soil Sampling Program at the AMC Hollister facility. The purpose of the subsequent investigation was to further evaluate areas of environmental concern identified in the M&E Phase II ESA. A total of 30 geoprobes and 9 hand auger sampling points were completed across the site, including 7 geoprobe locations inside the building. No VOCs were detected in any of the soil samples between the near surface and groundwater. Chlorinated VOCs were detected in the groundwater samples collected from the northern portion of the site, including one PCE detection (380 ppb) from the ground water beneath the building. Although AES acknowledged two possible off-site sources (west and north), AES concluded that a PCE "hot spot" in shallow groundwater beneath the northwest corner of the building was from an on-site source not yet found. To address the AES hypothesis of an on-site PCE source not yet found, AMC directed URS to conduct a focused soil gas survey to explore for residual VOC vapors in soil at the specific areas of concern identified by AES.

[Click here to access the California GeoTracker records for this facility:](#)

CUPA SANTA BARBARA:

Facility Id:	FA0006147
Region:	SANTA BARBARA
Cross Street:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Mailing Name:	INNOVATIVE MICRO TECHNOLOGY
Mailing Care Of:	JOHN FOSTER
Mailing Address:	75 ROBIN HILL RD
Mailing City:	GOLETA
Mailing State:	CA
Mailing Zip Code:	93117
Record Id:	PR0210725
Pe #:	2163
Current Status:	2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

APPLIED MAGNETICS BUILDING (Continued)

S100179074

Facility Id: FA0006147
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: INNOVATIVE MICRO TECHNOLOGY
Mailing Care Of: JOHN FOSTER
Mailing Address: 75 ROBIN HILL RD
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0220725
Pe #: 2204
Current Status: 2

Facility Id: FA0006147
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: INNOVATIVE MICRO TECHNOLOGY
Mailing Care Of: JOHN FOSTER
Mailing Address: 75 ROBIN HILL RD
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0504702
Pe #: 1400
Current Status: 2

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: 91118

ENVIROSTOR:

Facility ID: 71003070
Status: Inactive - Needs Evaluation
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 37
Senate: 19
Special Program: Not reported
Restricted Use: NO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

APPLIED MAGNETICS BUILDING (Continued)

S100179074

Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.43317
Longitude: -119.8431
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD982481863
Alias Type: EPA Identification Number
Alias Name: 71003070
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

70
SW
1/4-1/2
0.381 mi.
2012 ft.

CHUCHUPATE RANGER STATION
34580 LOCKWOOD VALLEY RD
LOS PADRES NTL FOREST, CA 93117

LUST S102427880
N/A

Relative:
Lower

LUST:
Region: STATE
Global Id: T0602900624
Latitude: 34.4303716
Longitude: -119.8580992
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/22/1997
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5F)
Case Worker: JDW
Local Agency: KERN COUNTY
RB Case Number: 5T15000653
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Actual:
14 ft.

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0602900624

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHUCHUPATE RANGER STATION (Continued)

S102427880

Contact Type: Local Agency Caseworker
Contact Name: X - UNK
Organization Name: KERN COUNTY
Address: Not reported
City: R5 UNKNOWN
Email: Not reported
Phone Number: Not reported

Global Id: T0602900624
Contact Type: Regional Board Caseworker
Contact Name: JOHN WHITING
Organization Name: CENTRAL VALLEY RWQCB (REGION 5F)
Address: 1685 E STREET
City: FRESNO
Email: jwhiting@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0602900624
Status: Open - Case Begin Date
Status Date: 05/05/1987

Global Id: T0602900624
Status: Completed - Case Closed
Status Date: 04/22/1997

Global Id: T0602900624
Status: Open - Remediation
Status Date: 06/01/1993

Regulatory Activities:

Global Id: T0602900624
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

Global Id: T0602900624
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0602900624
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

LUST REG 5:

Region: 5
Status: Case Closed
Case Number: 5T15000653
Case Type: Drinking Water Aquifer affected
Substance: GASOLINE
Staff Initials: JDW
Lead Agency: Regional
Program: LUST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHUCHUPATE RANGER STATION (Continued)

S102427880

MTBE Code: 1

71
ESE
1/4-1/2
0.409 mi.
2158 ft.

USCOE/ARITOR-TANK #304
1401 FIRESTONE RD
GOLETA, CA

LUST S104234008
N/A

Relative:
Lower

LUST:

Actual:
13 ft.

Region: STATE
Global Id: T0608300651
Latitude: 34.431732263
Longitude: -119.843825103
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 08/25/1995
Lead Agency: SANTA BARBARA COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 3219
LOC Case Number: 90050
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Status History:

Global Id: T0608300651
Status: Open - Site Assessment
Status Date: 08/20/1993

Global Id: T0608300651
Status: Open - Site Assessment
Status Date: 08/23/1993

Global Id: T0608300651
Status: Completed - Case Closed
Status Date: 08/25/1995

Global Id: T0608300651
Status: Open - Case Begin Date
Status Date: 08/20/1993

Regulatory Activities:

Global Id: T0608300651
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0608300651
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USCOE/ARITOR-TANK #304 (Continued)

S104234008

LUST REG 3:

Region: 3
Regional Board: Central Coast Region
Facility County: Santa Barbara
Global ID: T0608300651
Status: Case Closed
Case Number: 3219
Local Case Num: 90050
Case Type: S
Substance: Diesel
Quantity: Not reported
Abatement Method: Other
Leak Source: Not reported
Leak Cause: Not reported
How Stopped: Not reported
How Discovered: Not reported
Release Date: 08/23/1993
Discovered Date: 8/23/93
Enter Date: / /
Stop Date: Not reported
Review Date: / /
Enforce Date: 1/1/65
Close Date: 8/25/95
Enforcement Type: None Taken
Responsible Party: Not reported
RP Address: Not reported
Contact: Not reported
Cross Street: Not reported
Local Agency: 42000L
Lead Agency: Local Agency
Staff Initials: RBA
Confirm Leak: 8/23/93
Workplan: 8/20/93
Prelim Assess: Not reported
Pollution Char: / /
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Pilot Program: LOP
Interim Action: Not reported
Funding: f
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NRQ
Lat/Long: 34.4318819 / -119.8436592
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 0
Org Name: Not reported
Basin Plan: Not reported
Beneficial: Not reported
Priority: 2A4
UST Cleanup Fund ID: Not reported
Suspended: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USCOE/ARITOR-TANK #304 (Continued)

S104234008

Operator: Not reported
Water System: DORAL NEELEY
Well Name: WELL
Distance From Well: 0
Assigned Name: 04N/28W-17D06 S
Summary: Not reported

72
East
1/4-1/2
0.412 mi.
2173 ft.

NEAL FEAY COMPANY
133 LA PATERA
GOLETA, CA 93117

RCRA-SQG 1000274184
FINDS CAD981426745
SLIC
HAZNET

Relative:
Lower

RCRA-SQG:

Date form received by agency: 07/17/1986
Facility name: NEAL FEAY COMPANY
Facility address: 133 LA PATERA
GOLETA, CA 93117
EPA ID: CAD981426745
Contact: ENVIRONMENTAL MANAGER
Contact address: 133 LA PATERA
GOLETA, CA 93117
Contact country: US
Contact telephone: (805) 967-4521
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
30 ft.

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NEAL FEY COMPANY
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEAL FEAY COMPANY (Continued)

1000274184

Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002701737

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

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.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

PCS (Permit Compliance System) is a computerized management

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEAL FEAY COMPANY (Continued)

1000274184

information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

SLIC:

Region: STATE
Facility Status: **Open - Assessment & Interim Remedial Action**
Status Date: 08/27/2012
Global Id: SL0608396897
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Lead Agency Case Number: SMU 402
Latitude: 34.43504
Longitude: -119.8419
Case Type: Cleanup Program Site
Case Worker: DT
Local Agency: SANTA BARBARA COUNTY
RB Case Number: S303
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Trichloroethylene (TCE), Chromium
Site History: The Neal Feay Company property includes an approximately one-acre parcel located at 1333 S. La Patera Lane in Goleta, California. The main building encompasses approximately 15,000 square feet, with a separate wooden storage shed to the rear (west) of the main building. The site is situated in a generally south-sloping area of Goleta, approximately 1.5 miles north of the Pacific Ocean. The site is approximately 0.2 miles north of the Santa Barbara Municipal Airport and the Goleta Slough. Onsite operations include shipping, assembly, forming, sanding, finishing, and anodizing of aluminum. The storage shed was formerly used for flammable and corrosive storage. Neal Frey Company has occupied the site since its development in 1958. Historically, the parcel was part of the Williams Farm.

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 3:

Region: 3
Leak Site Cross Street: Hollister Ave
Regional Board Case#: S303
Entered Into Database: Not reported
Discovered: Not reported
RB Case In: NEAL FEAY COMPANY
Responsible Party: NEAL RASMUSSEN
RP Contact: Not reported
RP Phone: Not reported
RP Number: Not reported
RP Address: 133 S. LA PATERA LANE
RP City,St,Zip: GOLETA, CA 93117
Date First Reported: 12-Dec-03
Lead Agency: Regional Board
Program Type: SLIC
Facility Status: Pollution Characterization
Case Type: Drinking Water Aquifer affected
Case Type Undetermined: No
Case Type Soil Impacted: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEAL FEAY COMPANY (Continued)

1000274184

Case Type Surface Water: No
Case Type Drinkin Water Well: No
Case Type Drinking Water Aqfr: Yes
Case Type Other Grnd Wtr: No
PCA: 2030045

HAZNET:

Year: 2010
Gepaid: CAD981426745
Contact: NEAL RASMUSSEN/PRES
Telephone: 8059674521
Mailing Name: Not reported
Mailing Address: 133 LA PATERA
Mailing City,St,Zip: GOLETA, CA 931170000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.01
Facility County: Santa Barbara

Year: 2006
Gepaid: CAD981426745
Contact: NEAL RASMUSSEN/PRES
Telephone: 8059674521
Mailing Name: Not reported
Mailing Address: 133 LA PATERA
Mailing City,St,Zip: GOLETA, CA 931170000
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Recycler
Tons: 0.15
Facility County: Santa Barbara

Year: 2005
Gepaid: CAD981426745
Contact: NEAL RASMUSSEN/PRES
Telephone: 8059674521
Mailing Name: Not reported
Mailing Address: 133 LA PATERA
Mailing City,St,Zip: GOLETA, CA 931170000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: 0.22
Facility County: Santa Barbara

Year: 2002
Gepaid: CAD981426745
Contact: NEAL RASMUSSEN/PRES
Telephone: 8059674521

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEAL FEAY COMPANY (Continued)

1000274184

Mailing Name: Not reported
Mailing Address: 133 LA PATERA
Mailing City,St,Zip: GOLETA, CA 931170000
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Tons: 10.38
Facility County: Santa Barbara

Year: 2002
Gepaid: CAD981426745
Contact: NEAL RASMUSSEN/PRES
Telephone: 8059674521
Mailing Name: Not reported
Mailing Address: 133 LA PATERA
Mailing City,St,Zip: GOLETA, CA 931170000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Transfer Station
Tons: 0.62
Facility County: Santa Barbara

[Click this hyperlink](#) while viewing on your computer to access
8 additional CA_HAZNET: record(s) in the EDR Site Report.

O73
East
1/4-1/2
0.437 mi.
2309 ft.

SANTA BARBARA LEMON ASSOC
30 LA PATERA
GOLETA, CA 93117
Site 1 of 2 in cluster O

HIST CORTESE **S100622032**
N/A

Relative:
Lower

HIST CORTESE:
Region: CORTESE
Facility County Code: 42
Reg By: LTNKA
Reg Id: 2238

Actual:
35 ft.

O74
East
1/4-1/2
0.437 mi.
2309 ft.

SANTA BARBARA LEMON ASSOC
30 LA PATERA S
GOLETA, CA 93117
Site 2 of 2 in cluster O

LUST **S105620318**
N/A

Relative:
Lower

LUST:
Region: STATE
Global Id: T0608300176
Latitude: 34.437632517
Longitude: -119.84187905
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/07/1991
Lead Agency: SANTA BARBARA COUNTY LOP

Actual:
35 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA BARBARA LEMON ASSOC (Continued)

S105620318

Case Worker: CSB
Local Agency: SANTA BARBARA COUNTY LOP
RB Case Number: 2238
LOC Case Number: 52465
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0608300176
Contact Type: Local Agency Caseworker
Contact Name: CLOSED Santa Barbara Co LOP SITES
Organization Name: SANTA BARBARA COUNTY LOP
Address: 2125 S. Centerpointe Parkway, Suite #333
City: Santa Maria
Email: paul.mccaw@sbcphd.org
Phone Number: 8053468359

Status History:

Global Id: T0608300176
Status: Completed - Case Closed
Status Date: 01/07/1991

Global Id: T0608300176
Status: Open - Case Begin Date
Status Date: 03/11/1987

Global Id: T0608300176
Status: Open - Verification Monitoring
Status Date: 02/14/1990

Global Id: T0608300176
Status: Open - Remediation
Status Date: 01/05/1991

Global Id: T0608300176
Status: Open - Remediation
Status Date: 01/06/1991

Global Id: T0608300176
Status: Open - Site Assessment
Status Date: 04/13/1987

Global Id: T0608300176
Status: Open - Site Assessment
Status Date: 02/01/1988

Global Id: T0608300176
Status: Open - Site Assessment
Status Date: 03/15/1988

Global Id: T0608300176
Status: Open - Site Assessment
Status Date: 12/05/1988

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA BARBARA LEMON ASSOC (Continued)

S105620318

Regulatory Activities:

Global Id:	T0608300176
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0608300176
Action Type:	RESPONSE
Date:	03/30/1988
Action:	Other Report / Document
Global Id:	T0608300176
Action Type:	RESPONSE
Date:	09/26/1988
Action:	Other Report / Document
Global Id:	T0608300176
Action Type:	RESPONSE
Date:	12/19/1988
Action:	Correspondence
Global Id:	T0608300176
Action Type:	RESPONSE
Date:	04/20/1990
Action:	Correspondence
Global Id:	T0608300176
Action Type:	RESPONSE
Date:	03/19/1987
Action:	Unauthorized Release Form
Global Id:	T0608300176
Action Type:	RESPONSE
Date:	09/29/1987
Action:	Well Installation Report
Global Id:	T0608300176
Action Type:	RESPONSE
Date:	10/08/1987
Action:	Correspondence
Global Id:	T0608300176
Action Type:	RESPONSE
Date:	11/24/1987
Action:	Other Report / Document
Global Id:	T0608300176
Action Type:	RESPONSE
Date:	12/10/1987
Action:	Other Report / Document
Global Id:	T0608300176
Action Type:	RESPONSE
Date:	01/20/1988
Action:	Other Report / Document
Global Id:	T0608300176

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA BARBARA LEMON ASSOC (Continued)

S105620318

Action Type:	RESPONSE
Date:	03/11/1988
Action:	Correspondence
Global Id:	T0608300176
Action Type:	RESPONSE
Date:	08/01/2006
Action:	Other Report / Document
Global Id:	T0608300176
Action Type:	RESPONSE
Date:	08/01/2006
Action:	Other Report / Document
Global Id:	T0608300176
Action Type:	RESPONSE
Date:	08/01/2006
Action:	Other Report / Document
Global Id:	T0608300176
Action Type:	RESPONSE
Date:	08/01/2006
Action:	Other Report / Document
Global Id:	T0608300176
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0608300176
Action Type:	RESPONSE
Date:	05/29/1990
Action:	Correspondence
Global Id:	T0608300176
Action Type:	RESPONSE
Date:	04/05/1988
Action:	Correspondence
Global Id:	T0608300176
Action Type:	RESPONSE
Date:	05/13/1988
Action:	Pilot Study/ Treatability Report
Global Id:	T0608300176
Action Type:	RESPONSE
Date:	06/20/1988
Action:	Correspondence
Global Id:	T0608300176
Action Type:	RESPONSE
Date:	02/10/1988
Action:	Preliminary Site Assessment Report
Global Id:	T0608300176
Action Type:	RESPONSE
Date:	03/07/1988

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA BARBARA LEMON ASSOC (Continued)

S105620318

Action: Site Assessment Report

Global Id: T0608300176
Action Type: RESPONSE
Date: 03/25/1988
Action: Correspondence

Global Id: T0608300176
Action Type: RESPONSE
Date: 03/30/1988
Action: Pilot Study / Treatability Workplan

Global Id: T0608300176
Action Type: RESPONSE
Date: 10/21/1988
Action: Other Workplan

Global Id: T0608300176
Action Type: RESPONSE
Date: 10/28/1987
Action: Other Workplan

Global Id: T0608300176
Action Type: RESPONSE
Date: 10/28/1987
Action: Other Report / Document

Global Id: T0608300176
Action Type: RESPONSE
Date: 04/07/1988
Action: Correspondence

Global Id: T0608300176
Action Type: RESPONSE
Date: 02/05/1988
Action: Other Report / Document

Global Id: T0608300176
Action Type: RESPONSE
Date: 12/19/1988
Action: Correspondence

Global Id: T0608300176
Action Type: RESPONSE
Date: 08/30/1990
Action: Remedial Progress Report

Global Id: T0608300176
Action Type: RESPONSE
Date: 06/13/1990
Action: Other Report / Document

Global Id: T0608300176
Action Type: RESPONSE
Date: 08/30/1990
Action: Correspondence

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA BARBARA LEMON ASSOC (Continued)

S105620318

Global Id: T0608300176
Action Type: RESPONSE
Date: 12/08/1988
Action: Correspondence

LUST REG 3:

Region: 3
Regional Board: Central Coast Region
Facility County: Santa Barbara
Global ID: T0608300176
Status: Case Closed
Case Number: 2238
Local Case Num: 52465
Case Type: A
Substance: Gasoline
Quantity: Not reported
Abatement Method: PT, Excavate and Dispose - remove contaminated soil and dispose in approved site, Vent Soil - bore holes in soil to allow volatilization of contaminants

Leak Source: Not reported
Leak Cause: Not reported
How Stopped: Not reported
How Discovered: Not reported
Release Date: 03/11/1987
Discovered Date: 3/11/87
Enter Date: / /
Stop Date: Not reported
Review Date: / /
Enforce Date: 1/1/65
Close Date: 1/7/91
Enforcement Type: None Taken
Responsible Party: Not reported
RP Address: Not reported
Contact: Not reported
Cross Street: Not reported
Local Agency: 42000L
Lead Agency: Local Agency
Staff Initials: RBA
Confirm Leak: 4/13/87
Workplan: 2/1/88
Prelim Assess: 3/15/88
Pollution Char: 12/05/1988
Remedial Plan: 1/5/91
Remedial Action: 1/6/91
Monitoring: 02/14/1990
Pilot Program: LOP
Interim Action: Not reported
Funding: S
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NT
Lat/Long: 34.4371218 / -119.8420883
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA BARBARA LEMON ASSOC (Continued)

S105620318

Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: Not reported
Beneficial: Not reported
Priority: -0-
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: GOLETA WATER DISTRICT
Well Name: AIRPORT WELL - STANDBY
Distance From Well: 0
Assigned Name: 04N/28W-08P05 S
Summary: Not reported

75
ESE
1/4-1/2
0.448 mi.
2365 ft.

**CITY OF SANTA BARBARA AIRPOR
1301 FIRESTONE RD
SANTA BARBARA, CA 93117**

**LUST S103472394
CUPA Listings N/A**

**Relative:
Lower**

LUST:

**Actual:
14 ft.**

Region: STATE
Global Id: T0608300580
Latitude: 34.431817816
Longitude: -119.843219973
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 03/28/1991
Lead Agency: SANTA BARBARA COUNTY LOP
Case Worker: CSB
Local Agency: SANTA BARBARA COUNTY LOP
RB Case Number: 3151
LOC Case Number: 51244
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608300580
Contact Type: Local Agency Caseworker
Contact Name: CLOSED Santa Barbara Co LOP SITES
Organization Name: SANTA BARBARA COUNTY LOP
Address: 2125 S. Centerpointe Parkway, Suite #333
City: Santa Maria
Email: paul.mccaw@sbcphd.org
Phone Number: 8053468359

Status History:

Global Id: T0608300580
Status: Completed - Case Closed
Status Date: 03/28/1991

Global Id: T0608300580
Status: Open - Case Begin Date

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF SANTA BARBARA AIRPOR (Continued)

S103472394

Status Date: 05/05/1989

Global Id: T0608300580
Status: Open - Remediation
Status Date: 09/04/1990

Global Id: T0608300580
Status: Open - Remediation
Status Date: 02/26/1991

Global Id: T0608300580
Status: Open - Site Assessment
Status Date: 05/10/1989

Global Id: T0608300580
Status: Open - Site Assessment
Status Date: 05/15/1990

Global Id: T0608300580
Status: Open - Site Assessment
Status Date: 08/29/1990

Regulatory Activities:

Global Id: T0608300580
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0608300580
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

LUST REG 3:

Region: 3
Regional Board: Central Coast Region
Facility County: Santa Barbara
Global ID: T0608300580
Status: Case Closed
Case Number: 3151
Local Case Num: 51244
Case Type: S
Substance: Diesel
Quantity: Not reported
Abatement Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)

Leak Source: Not reported
Leak Cause: Not reported
How Stopped: Not reported
How Discovered: Not reported
Release Date: 05/05/1989
Discovered Date: 5/5/89
Enter Date: / /
Stop Date: Not reported
Review Date: / /

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF SANTA BARBARA AIRPOR (Continued)

S103472394

Enforce Date: 1/1/65
Close Date: 3/28/91
Enforcement Type: None Taken
Responsible Party: Not reported
RP Address: Not reported
Contact: Not reported
Cross Street: Not reported
Local Agency: 42000L
Lead Agency: Local Agency
Staff Initials: RBA
Confirm Leak: 5/10/89
Workplan: 5/15/90
Prelim Assess: 8/29/90
Pollution Char: 08/29/1990
Remedial Plan: 9/4/90
Remedial Action: 2/26/91
Monitoring: / /
Pilot Program: LOP
Interim Action: Not reported
Funding: F
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NRQ
Lat/Long: 34.4321279 / -119.8426382
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 0
Org Name: Not reported
Basin Plan: Not reported
Beneficial: Not reported
Priority: -0-
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: DORAL NEELEY
Well Name: WELL
Distance From Well: 0
Assigned Name: 04N/28W-17D06 S
Summary: Not reported

CUPA SANTA BARBARA:

Facility Id: FA0004077
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: US ARMY CORP OF ENGINEERS
Mailing Care Of: L.A. DISTR., ATTN: CESPL-ED-MI
Mailing Address: 300 N LOS ANGELES ST
Mailing City: LOS ANGELES
Mailing State: CA
Mailing Zip Code: 90012
Record Id: PR0231244
Pe #: 2302

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF SANTA BARBARA AIRPOR (Continued)

S103472394

Current Status: 2

76
SE
1/4-1/2
0.467 mi.
2465 ft.

MARIPRO INC
1522 COOK PL
GOLETA, CA 93117

LUST S104234007
CUPA Listings N/A

Relative:
Lower

LUST:

Actual:
11 ft.

Region: STATE
Global Id: T0608300650
Latitude: 34.430172073
Longitude: -119.845151137
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 08/25/1995
Lead Agency: SANTA BARBARA COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 3218
LOC Case Number: 90049
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Status History:

Global Id: T0608300650
Status: Open - Site Assessment
Status Date: 08/20/1993

Global Id: T0608300650
Status: Open - Site Assessment
Status Date: 08/23/1993

Global Id: T0608300650
Status: Completed - Case Closed
Status Date: 08/25/1995

Global Id: T0608300650
Status: Open - Case Begin Date
Status Date: 08/20/1993

Regulatory Activities:

Global Id: T0608300650
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0608300650
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARIPRO INC (Continued)

S104234007

LUST REG 3:

Region: 3
Regional Board: Central Coast Region
Facility County: Santa Barbara
Global ID: T0608300650
Status: Case Closed
Case Number: 3218
Local Case Num: 90049
Case Type: S
Substance: Diesel
Quantity: Not reported
Abatement Method: Other
Leak Source: Not reported
Leak Cause: Not reported
How Stopped: Not reported
How Discovered: Not reported
Release Date: 08/23/1993
Discovered Date: 8/23/93
Enter Date: / /
Stop Date: Not reported
Review Date: / /
Enforce Date: 1/1/65
Close Date: 8/25/95
Enforcement Type: None Taken
Responsible Party: Not reported
RP Address: Not reported
Contact: Not reported
Cross Street: Not reported
Local Agency: 42000L
Lead Agency: Local Agency
Staff Initials: RBA
Confirm Leak: 8/23/93
Workplan: 8/20/93
Prelim Assess: Not reported
Pollution Char: / /
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Pilot Program: LOP
Interim Action: Not reported
Funding: f
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NRQ
Lat/Long: 34.4302189 / -119.8446881
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 0
Org Name: Not reported
Basin Plan: Not reported
Beneficial: Not reported
Priority: 2A4
UST Cleanup Fund ID: Not reported
Suspended: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARIPRO INC (Continued)

S104234007

Operator: Not reported
Water System: DORAL NEELEY
Well Name: WELL
Distance From Well: 0
Assigned Name: 04N/28W-17D06 S
Summary: Not reported

CUPA SANTA BARBARA:

Facility Id: FA0004226
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: L-3 COMMUNICATIONS
Mailing Care Of: MARIPRO INC
Mailing Address: 1522 COOK PL
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0221857
Pe #: 2202
Current Status: 1

Facility Id: FA0004226
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: L-3 COMMUNICATIONS
Mailing Care Of: MARIPRO INC
Mailing Address: 1522 COOK PL
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0211857
Pe #: 2164
Current Status: 1

Facility Id: FA0004226
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: L-3 COMMUNICATIONS
Mailing Care Of: MARIPRO INC
Mailing Address: 1522 COOK PL
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0511451
Pe #: 2601
Current Status: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

77
WSW
1/4-1/2
0.467 mi.
2465 ft.

MOSELEY ASSOCIATES, INC
111 CASTILIAN DRIVE
GOLETA, CA 93117

ENVIROSTOR S101482255
N/A

Relative:
Lower

ENVIROSTOR:

Actual:
22 ft.

Facility ID: 42360032
Status: No Further Action
Status Date: 10/12/1994
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: 0
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Chatsworth
Assembly: 37
Senate: 19
Special Program: * Rural County Survey Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.43219
Longitude: -119.8614
APN: 073-150-025
Past Use: MANUFACTURING - ELECTRONIC
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: No Contaminants found
Potential Description: NMA
Alias Name: 073-150-025
Alias Type: APN
Alias Name: 42360032
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/09/1988
Comments: FACILITY IDENTIFIED SANTA BARBARA CO. HEALTH COMPLAINTS FILE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/16/1994
Comments: CALSITES VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 08/25/1989
Comments: PRELIM ASSESS DONE NO PROBLEM FOUND AT THIS TIME; MANUFAC- TURES EQUIPMENT AND PROVIDES SERVICES FOR BROADCAST INDUSTRY

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOSELEY ASSOCIATES, INC (Continued)

S101482255

Completed Document Type: Site Screening
Completed Date: 05/10/1988
Comments: SITE SCREENING DONE RATIONALE FOR PA: EMPLOYEES OF THE OPERATION HAVE HAD BLOOD TESTS SHOWING THE PRESENCE OF CHEMICALS. OPERATION IS A MANUFACTURER OF BROADCAST EQUIPMENT.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

78
East
1/4-1/2
0.481 mi.
2541 ft.

SO CA EDISON - SB SERVICE CENTER
103 DAVID LOVE PL
SANTA BARBARA, CA 93117

LUST **S106717644**
CUPA Listings **N/A**

Relative:
Lower

LUST:

Actual:
23 ft.

Region: STATE
Global Id: T0608388955
Latitude: 34.435025911
Longitude: -119.84102936
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/27/2011
Lead Agency: SANTA BARBARA COUNTY LOP
Case Worker: CSB
Local Agency: SANTA BARBARA COUNTY LOP
RB Case Number: 3494
LOC Case Number: 90108
File Location: Stored electronically as an E-file
Potential Media Affect: Aquifer used for drinking water supply, Soil, Soil Vapor
Potential Contaminants of Concern: Gasoline
Site History: - Historical LUSTIS Cleanup Action : Other COMPLETE LOP FILE HAS BEEN UPLOADED TO GEOTRACKER WEBSITE - HARD COPIES NO LONGER EXIST IN LOP FILES

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608388955
Contact Type: Regional Board Caseworker
Contact Name: RB3 STAFF
Organization Name: CENTRAL COAST RWQCB (REGION 3)
Address: 895 AEROVISTA PL, SUITE 101
City: SAN LUIS OBISPO
Email: centralcoast@waterboards.ca.gov
Phone Number: 8055493147

Global Id: T0608388955
Contact Type: Local Agency Caseworker
Contact Name: CLOSED Santa Barbara Co LOP SITES
Organization Name: SANTA BARBARA COUNTY LOP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CA EDISON - SB SERVICE CENTER (Continued)

S106717644

Address: 2125 S. Centerpointe Parkway, Suite #333
City: Santa Maria
Email: paul.mccaw@sbcphd.org
Phone Number: 8053468359

Status History:

Global Id: T0608388955
Status: Open - Case Begin Date
Status Date: 01/16/2003

Global Id: T0608388955
Status: Open - Verification Monitoring
Status Date: 01/28/2008

Global Id: T0608388955
Status: Open - Site Assessment
Status Date: 01/16/2003

Global Id: T0608388955
Status: Completed - Case Closed
Status Date: 01/27/2011

Regulatory Activities:

Global Id: T0608388955
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0608388955
Action Type: ENFORCEMENT
Date: 01/13/2004
Action: Staff Letter

Global Id: T0608388955
Action Type: REMEDIATION
Date: 01/01/1950
Action: Monitored Natural Attenuation

Global Id: T0608388955
Action Type: ENFORCEMENT
Date: 06/19/2008
Action: LOP Case Closure Summary to RB

Global Id: T0608388955
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

Global Id: T0608388955
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0608388955
Action Type: RESPONSE
Date: 02/03/2011

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CA EDISON - SB SERVICE CENTER (Continued)

S106717644

Action: Other Report / Document

Global Id: T0608388955
Action Type: RESPONSE
Date: 02/03/2011
Action: Other Report / Document

Global Id: T0608388955
Action Type: RESPONSE
Date: 05/24/2005
Action: Other Report / Document

Global Id: T0608388955
Action Type: RESPONSE
Date: 04/27/2006
Action: Other Report / Document

Global Id: T0608388955
Action Type: RESPONSE
Date: 06/18/2003
Action: Soil and Water Investigation Workplan

Global Id: T0608388955
Action Type: RESPONSE
Date: 12/18/2009
Action: Other Report / Document

Global Id: T0608388955
Action Type: RESPONSE
Date: 07/20/2007
Action: Other Report / Document

Global Id: T0608388955
Action Type: RESPONSE
Date: 06/22/2009
Action: Other Report / Document

Global Id: T0608388955
Action Type: RESPONSE
Date: 12/13/2007
Action: Other Report / Document

Global Id: T0608388955
Action Type: RESPONSE
Date: 12/18/2009
Action: Well Destruction Report

Global Id: T0608388955
Action Type: RESPONSE
Date: 12/30/2002
Action: Tank Removal Report / UST Sampling Report

Global Id: T0608388955
Action Type: RESPONSE
Date: 04/07/2009
Action: Well Destruction Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CA EDISON - SB SERVICE CENTER (Continued)

S106717644

Global Id:	T0608388955
Action Type:	RESPONSE
Date:	01/27/2011
Action:	Other Report / Document
Global Id:	T0608388955
Action Type:	RESPONSE
Date:	09/28/2007
Action:	Preliminary Site Assessment Workplan
Global Id:	T0608388955
Action Type:	RESPONSE
Date:	02/03/2011
Action:	Other Report / Document
Global Id:	T0608388955
Action Type:	RESPONSE
Date:	07/12/2004
Action:	Well Installation Workplan
Global Id:	T0608388955
Action Type:	RESPONSE
Date:	01/06/2004
Action:	Well Installation Report
Global Id:	T0608388955
Action Type:	RESPONSE
Date:	07/12/2004
Action:	Soil and Water Investigation Workplan - Addendum
Global Id:	T0608388955
Action Type:	Other
Date:	01/01/1950
Action:	Leak Began
Global Id:	T0608388955
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Not reported
Global Id:	T0608388955
Action Type:	ENFORCEMENT
Date:	04/21/2009
Action:	Technical Correspondence / Assistance / Other - #90108 Well Abandonment Permit
Global Id:	T0608388955
Action Type:	RESPONSE
Date:	02/03/2011
Action:	Other Report / Document
Global Id:	T0608388955
Action Type:	RESPONSE
Date:	02/03/2011
Action:	Other Report / Document

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CA EDISON - SB SERVICE CENTER (Continued)

S106717644

CUPA SANTA BARBARA:

Facility Id: FA0002270
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: SOUTHERN CA EDISON CO
Mailing Care Of: CEH&S COMPLIANCE
Mailing Address: 2131 WALNUT GROVE AVE, 3RD FL
Mailing City: ROSEMEAD
Mailing State: CA
Mailing Zip Code: 917700800
Record Id: PR0211899
Pe #: 2164
Current Status: 1

Facility Id: FA0002270
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: SOUTHERN CA EDISON CO
Mailing Care Of: CEH&S COMPLIANCE
Mailing Address: 2131 WALNUT GROVE AVE, 3RD FL
Mailing City: ROSEMEAD
Mailing State: CA
Mailing Zip Code: 917700800
Record Id: PR0231899
Pe #: 2302
Current Status: 2

Facility Id: FA0002270
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: SOUTHERN CA EDISON CO
Mailing Care Of: CEH&S COMPLIANCE
Mailing Address: 2131 WALNUT GROVE AVE, 3RD FL
Mailing City: ROSEMEAD
Mailing State: CA
Mailing Zip Code: 917700800
Record Id: PR0221899
Pe #: 2204
Current Status: 1

Facility Id: FA0002270
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: SOUTHERN CA EDISON CO
Mailing Care Of: CEH&S COMPLIANCE
Mailing Address: 2131 WALNUT GROVE AVE, 3RD FL
Mailing City: ROSEMEAD
Mailing State: CA
Mailing Zip Code: 917700800

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SO CA EDISON - SB SERVICE CENTER (Continued)

S106717644

Record Id:	PR0511783
Pe #:	1800
Current Status:	1
Facility Id:	FA0002270
Region:	SANTA BARBARA
Cross Street:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Mailing Name:	SOUTHERN CA EDISON CO
Mailing Care Of:	CEH&S COMPLIANCE
Mailing Address:	2131 WALNUT GROVE AVE, 3RD FL
Mailing City:	ROSEMEAD
Mailing State:	CA
Mailing Zip Code:	917700800
Record Id:	PR0509600
Pe #:	1704
Current Status:	4
Facility Id:	FA0013248
Region:	SANTA BARBARA
Cross Street:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Mailing Name:	NEW CINGULAR WIRELESS dba AT&T
Mailing Care Of:	EH&S DEPT.; SHEILA CABALLERO
Mailing Address:	PO BOX 5095, RM 3E000
Mailing City:	SAN RAMON
Mailing State:	CA
Mailing Zip Code:	94583
Record Id:	PR0507625
Pe #:	2100
Current Status:	2

P79
SW
 1/4-1/2
 0.491 mi.
 2590 ft.

CABRILLO BUSINESS PARK STOCKPILE PHASE PHASE A ROUGH GRADING
6767 HOLLISTER AVE
GOLETA, CA 93117
 Site 1 of 3 in cluster P

NPDES S110060646
HIST CORTESE N/A
ENVIROSTOR

Relative:
Lower

NPDES:
 Npdes Number: CAS000002
 Facility Status: Active
 Agency Id: 0
 Region: 3
 Regulatory Measure Id: 427648
 Order No: 2009-0009-DWQ
 Regulatory Measure Type: Enrollee
 Place Id: Not reported
 WDID: 3 42C363801
 Program Type: Construction
 Adoption Date Of Regulatory Measure: Not reported
 Effective Date Of Regulatory Measure: 06/05/2012
 Expiration Date Of Regulatory Measure: Not reported
 Termination Date Of Regulatory Measure: Not reported
 Discharge Name: Deckers Outdoor Corporation
 Discharge Address: 495a South Fairview Ave
 Discharge City: Goleta

Actual:
 16 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CABRILLO BUSINESS PARK STOCKPILE PHASE PHASE A ROUGH GRADING (Continued)

S110060646

Discharge State: California
Discharge Zip: 93117

Npdes Number: CAS000002
Facility Status: Active
Agency Id: 0
Region: 3
Regulatory Measure Id: 352471
Order No: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 3 42C353483
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 09/24/2008
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Sares Regis Group
Discharge Address: 300 Esplanade Drive
Discharge City: Oxnard
Discharge State: California
Discharge Zip: 93036

HIST CORTESE:

Region: CORTESE
Facility County Code: 42
Reg By: LTNKA
Reg Id: 2280

ENVIROSTOR:

Facility ID: 80001628
Status: Active
Status Date: 01/01/2008
Site Code: 300380
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 92.3
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Paul Ruffin
Supervisor: Ajit Vaidya
Division Branch: Engineering & Special Projects
Assembly: 37
Senate: 19
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.42765
Longitude: -119.8633
APN: 073-450-005, 073-610-003, 073-610-004, 073-610-013, 073-610-015,
073-610-017, 073-610-018, 073-610-019
Past Use: AEROSPACE MANUFACTURING/MAINTENANCE, MANUFACTURING - ELECTRONIC,
RESEARCH - AEROSPACE, RESEARCH - WEAPONS
Potential COC: Tetrachloroethylene (PCE Trichloroethylene (TCE Chromium VI

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CABRILLO BUSINESS PARK STOCKPILE PHASE PHASE A ROUGH GRADING (Continued)

S110060646

Confirmed COC: Tetrachloroethylene (PCE Chromium VI Trichloroethylene (TCE)
Potential Description: OTH, SOIL, SV
Alias Name: THE DIRECT TV GROUP
Alias Type: Alternate Name
Alias Name: 073-450-005
Alias Type: APN
Alias Name: 073-610-003
Alias Type: APN
Alias Name: 073-610-004
Alias Type: APN
Alias Name: 073-610-013
Alias Type: APN
Alias Name: 073-610-015
Alias Type: APN
Alias Name: 073-610-017
Alias Type: APN
Alias Name: 073-610-018
Alias Type: APN
Alias Name: 073-610-019
Alias Type: APN
Alias Name: CAD009305848
Alias Type: EPA Identification Number
Alias Name: 300380
Alias Type: Project Code (Site Code)
Alias Name: 80001628
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 06/30/1997
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SWMU #2 GW PUMP AND TREAT
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 09/14/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 04/17/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/11/1991
Comments: Not reported

Completed Area Name: SWMU #2 GW PUMP AND TREAT, SWMU #5
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 10/26/1999
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CABRILLO BUSINESS PARK STOCKPILE PHASE PHASE A ROUGH GRADING (Continued)

S110060646

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 10/21/2009
Comments: Review complete and accepted by DTSC. Recommendation to continue with one more round of perchlorate sampling sent to DIRECTV.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 11/05/2010
Comments: O&M Manual conditionally approved.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SWMU #2 GW PUMP AND TREAT
Completed Document Type: * CA Process is Terminated
Completed Date: 06/14/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 03/26/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 04/30/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 08/30/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 05/15/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 08/30/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Remedy Selected
Completed Date: 04/30/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CABRILLO BUSINESS PARK STOCKPILE PHASE PHASE A ROUGH GRADING (Continued)

S110060646

Completed Document Type: Long Term Monitoring Report
Completed Date: 11/15/2010
Comments: H+A to complete an additional GW monitoring event in Jan 2011 and report in Mar 2011 to assess plume stability.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/20/2011
Comments: Acceptable as submitted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 11/08/2012
Comments: Verbal comments provided during annual meeting

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 04/19/2011
Comments: Acceptable as submitted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/08/2013
Comments: Acceptable as submitted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/30/2013
Comments: Acceptable as submitted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/24/2014
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 09/20/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 04/30/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Other Instrument
Completed Date: 04/30/1999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CABRILLO BUSINESS PARK STOCKPILE PHASE PHASE A ROUGH GRADING (Continued)

S110060646

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 01/01/1997
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedy Constructed
Schedule Due Date: 05/30/2014
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Groundwater Migration Controlled
Schedule Due Date: 05/30/2014
Schedule Revised Date: Not reported

P80
SW
1/4-1/2
0.491 mi.
2590 ft.

DELCO INC
6767 HOLLISTER AVE
SANTA BARBARA, CA 93117

Site 2 of 3 in cluster P

LUST **S102428712**
N/A

Relative:
Lower

LUST:

Actual:
16 ft.

Region: STATE
Global Id: T0608300207
Latitude: 34.428276452
Longitude: -119.864517621
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 08/01/1991
Lead Agency: SANTA BARBARA COUNTY LOP
Case Worker: CSB
Local Agency: SANTA BARBARA COUNTY LOP
RB Case Number: 2280
LOC Case Number: 51718
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0608300207
Contact Type: Local Agency Caseworker
Contact Name: CLOSED Santa Barbara Co LOP SITES
Organization Name: SANTA BARBARA COUNTY LOP
Address: 2125 S. Centerpointe Parkway, Suite #333
City: Santa Maria
Email: paul.mccaw@sbcphd.org
Phone Number: 8053468359

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELCO INC (Continued)

S102428712

Status History:

Global Id: T0608300207
Status: Completed - Case Closed
Status Date: 08/01/1991

Global Id: T0608300207
Status: Open - Verification Monitoring
Status Date: 06/01/1989

Global Id: T0608300207
Status: Open - Remediation
Status Date: 03/01/1985

Global Id: T0608300207
Status: Open - Case Begin Date
Status Date: 02/01/1984

Global Id: T0608300207
Status: Open - Remediation
Status Date: 05/01/1989

Global Id: T0608300207
Status: Open - Site Assessment
Status Date: 02/01/1984

Global Id: T0608300207
Status: Open - Site Assessment
Status Date: 03/01/1984

Global Id: T0608300207
Status: Open - Site Assessment
Status Date: 08/01/1984

Regulatory Activities:

Global Id: T0608300207
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0608300207
Action Type: RESPONSE
Date: 02/24/2014
Action: Well Destruction Report

Global Id: T0608300207
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

LUST REG 3:

Region: 3
Regional Board: Central Coast Region
Facility County: Santa Barbara
Global ID: T0608300207
Status: Case Closed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELCO INC (Continued)

S102428712

Case Number: 2280
Local Case Num: 51718
Case Type: A
Substance: Gasoline
Quantity: Not reported
Abatement Method: Pump and Treat Ground Water - generally employed to remove dissolved contaminants, Remove Free Product - remove floating product from water table

Leak Source: Not reported
Leak Cause: Not reported
How Stopped: Not reported
How Discovered: Not reported
Release Date: 03/26/1984
Discovered Date: 3/26/84
Enter Date: / /
Stop Date: Not reported
Review Date: / /
Enforce Date: 1/1/65
Close Date: 8/1/91
Enforcement Type: None Taken
Responsible Party: Not reported
RP Address: Not reported
Contact: Not reported
Cross Street: Not reported
Local Agency: 42000L
Lead Agency: Local Agency
Staff Initials: RBA
Confirm Leak: 8/1/84
Workplan: 2/1/84
Prelim Assess: 3/1/84
Pollution Char: 03/01/1984
Remedial Plan: 3/1/85
Remedial Action: 5/1/89
Monitoring: 06/01/1989
Pilot Program: LOP
Interim Action: Not reported
Funding: S
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NT
Lat/Long: 34.4300995 / -119.8654753
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: Not reported
Beneficial: Not reported
Priority: -0-
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: WILLIAM R PULICE
Well Name: LPA REPORTED PRIMARY SOURCE
Distance From Well: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELCO INC (Continued)

S102428712

Assigned Name: 4200730-001GEN
Summary: Not reported

**P81
SW
1/4-1/2
0.491 mi.
2590 ft.**

**DELCO ELECTRONICS CORP
6767 HOLLISTER AVE
GOLETA, CA
Site 3 of 3 in cluster P**

**RCRA-TSDF 1000175837
CERC-NFRAP CAD009305848
CORRACTS
RCRA NonGen / NLR
FINDS
HWP
Financial Assurance
US FIN ASSUR**

**Relative:
Lower**

**Actual:
16 ft.**

RCRA-TSDF:
Date form received by agency: 02/02/1998
Facility name: DELCO ELECTRONICS CORP
Facility address: 6767 HOLLISTER AVE
GOLETA, CA 93117
EPA ID: CAD009305848
Mailing address: 700 E FIRMIN STREET MS 9152
KOKOMO, IN 46902
Contact: WILLIAM BAYER
Contact address: 7410 HOLLISTER AVE
GOLETA, CA 93117
Contact country: US
Contact telephone: (805) 961-7769
Contact email: Not reported
EPA Region: 09
Land type: Other land type
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: GM HUGHES ELECTRONICS CORP
Owner/operator address: 700 E FIRMIN STREET MS 9152
KOKOMO, IN 46901
Owner/operator country: Not reported
Owner/operator telephone: (317) 459-7912
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELCO ELECTRONICS CORP (Continued)

1000175837

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/01/1996
Facility name: DELCO ELECTRONICS CORP
Classification: Small Quantity Generator

Date form received by agency: 02/28/1996
Facility name: DELCO ELECTRONICS CORP
Site name: DELCO SYSTEMS OPERATIONS
Classification: Large Quantity Generator

Date form received by agency: 03/17/1994
Facility name: DELCO ELECTRONICS CORP
Site name: DELCO SYSTEMS OPERATION
Classification: Large Quantity Generator

Date form received by agency: 02/29/1992
Facility name: DELCO ELECTRONICS CORP
Site name: DELCO SYSTEMS OPERATIONS
Classification: Large Quantity Generator

Date form received by agency: 03/20/1990
Facility name: DELCO ELECTRONICS CORP
Site name: DELCO SYSTEMS OPERATIONS
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Facility name: DELCO ELECTRONICS CORP
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Facility name: DELCO ELECTRONICS CORP
Classification: Not a generator, verified

Corrective Action Summary:

Event date: 08/30/1991
Event: CA029ST

Event date: 08/30/1991
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 08/30/1991
Event: CA049PA

Event date: 08/30/1991
Event: RFA Completed

Event date: 01/08/1992
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELCO ELECTRONICS CORP (Continued)

1000175837

Event date:	01/01/1997
Event:	RFI Imposition
Event date:	03/26/1997
Event:	RFA Completed, Assessment was an RFA.
Event date:	06/30/1997
Event:	RFI Workplan Approved
Event date:	04/30/1999
Event:	Date For Remedy Selection (CM Imposed)
Event date:	04/30/1999
Event:	Date For Remedy Selection (CM Imposed)
Event date:	10/26/1999
Event:	CMI Workplan Approved
Event date:	09/20/2000
Event:	RFI Imposition, Focused data collection required for stabilization evaluation.
Event date:	04/17/2001
Event:	CMI Workplan Approved
Event date:	06/14/2001
Event:	Corrective Action Process Terminated, No Further Action
Event date:	09/14/2001
Event:	CMI Workplan Approved
Event date:	05/15/2013
Event:	Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.
Event date:	Not reported
Event:	CA048ST

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	Generators - General
Date violation determined:	03/17/1995
Date achieved compliance:	04/18/1995
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	03/17/1995
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELCO ELECTRONICS CORP (Continued)

1000175837

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 03/17/1995
Date achieved compliance: 04/18/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/17/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 03/17/1995
Date achieved compliance: 04/18/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/17/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 02/22/1994
Date achieved compliance: 03/15/1994
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 02/28/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1650
Final penalty amount: 1650
Paid penalty amount: 1650

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 02/22/1994
Date achieved compliance: 03/15/1994
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 02/28/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1650
Final penalty amount: 1650
Paid penalty amount: 1650

Regulation violated: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELCO ELECTRONICS CORP (Continued)

1000175837

Area of violation: TSD - Land Treatment Standards
Date violation determined: 02/22/1994
Date achieved compliance: 03/15/1994
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 02/28/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1650
Final penalty amount: 1650
Paid penalty amount: 1650

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 06/05/1991
Date achieved compliance: 07/12/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/12/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 04/30/1991
Date achieved compliance: 07/12/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/12/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Formal Enforcement Agreement or Order
Date violation determined: 03/15/1989
Date achieved compliance: 07/27/1989
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 07/27/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 21000
Final penalty amount: 21000
Paid penalty amount: 21000

Regulation violated: Not reported
Area of violation: TSD - General

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELCO ELECTRONICS CORP (Continued)

1000175837

Date violation determined: 03/15/1989
Date achieved compliance: 07/27/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/20/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Formal Enforcement Agreement or Order
Date violation determined: 03/15/1989
Date achieved compliance: 07/27/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/20/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 03/15/1989
Date achieved compliance: 07/27/1989
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 07/27/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 21000
Final penalty amount: 21000
Paid penalty amount: 21000

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 12/22/1988
Date achieved compliance: 03/20/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/10/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 12/06/1988

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELCO ELECTRONICS CORP (Continued)

1000175837

Date achieved compliance: 07/27/1989
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 07/27/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 21000
Final penalty amount: 21000
Paid penalty amount: 21000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 12/06/1988
Date achieved compliance: 07/27/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/20/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 01/27/1997
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/19/1995
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/17/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 04/18/1995
Evaluation lead agency: State

Evaluation date: 03/17/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 04/18/1995
Evaluation lead agency: State

Evaluation date: 03/17/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/18/1995
Evaluation lead agency: State

Evaluation date: 11/10/1994

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELCO ELECTRONICS CORP (Continued)

1000175837

Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/21/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Land Treatment Standards
Date achieved compliance: 03/15/1994
Evaluation lead agency: State

Evaluation date: 12/21/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 03/15/1994
Evaluation lead agency: State

Evaluation date: 12/21/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 03/15/1994
Evaluation lead agency: State

Evaluation date: 07/02/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/05/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 07/12/1991
Evaluation lead agency: State

Evaluation date: 04/30/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 07/12/1991
Evaluation lead agency: State

Evaluation date: 03/15/1989
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Formal Enforcement Agreement or Order
Date achieved compliance: 07/27/1989
Evaluation lead agency: State

Evaluation date: 03/15/1989
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: TSD - General
Date achieved compliance: 07/27/1989
Evaluation lead agency: State

Evaluation date: 12/22/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 03/20/1989

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELCO ELECTRONICS CORP (Continued)

1000175837

Evaluation lead agency: State

Evaluation date: 12/06/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 07/27/1989
Evaluation lead agency: State

CERC-NFRAP:
Site ID: 0900192
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13285181.00000
Person ID: 13003854.00000

Contact Sequence ID: 13290776.00000
Person ID: 13003858.00000

Contact Sequence ID: 13296634.00000
Person ID: 13004003.00000

Program Priority:
Description: RCRA Deferral - Lead Confirmed

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: / /
Date Completed: 04/01/91
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 09/12/91
Priority Level: Deferred to RCRA (Subtitle C)

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 01/23/96
Priority Level: Not reported

CORRACTS:

EPA ID: CAD009305848
EPA Region: 09
Area Name: SWMU #2 GW PUMP AND TREAT
Actual Date: 20010614
Action: CA999NF - Corrective Action Process Terminated, No Further Action
NAICS Code(s): Not reported
Original schedule date: 20010614
Schedule end date: Not reported

EPA ID: CAD009305848

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELCO ELECTRONICS CORP (Continued)

1000175837

EPA Region: 09
Area Name: SWMU #2 GW PUMP AND TREAT
Actual Date: 20010914
Action: CA500 - CMI Workplan Approved
NAICS Code(s): Not reported
Original schedule date: 20010627
Schedule end date: Not reported

EPA ID: CAD009305848
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20130515
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): Not reported
Original schedule date: 20130614
Schedule end date: Not reported

EPA ID: CAD009305848
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20010417
Action: CA500 - CMI Workplan Approved
NAICS Code(s): Not reported
Original schedule date: 20010221
Schedule end date: Not reported

EPA ID: CAD009305848
EPA Region: 09
Area Name: SWMU #2 GW PUMP AND TREAT
Actual Date: 20000920
Action: CA100DC - RFI Imposition, Focused data collection required for stabilization evaluation
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD009305848
EPA Region: 09
Area Name: SWMU #5
Actual Date: 19991026
Action: CA500 - CMI Workplan Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD009305848
EPA Region: 09
Area Name: SWMU #2 GW PUMP AND TREAT
Actual Date: 19991026
Action: CA500 - CMI Workplan Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD009305848
EPA Region: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELCO ELECTRONICS CORP (Continued)

1000175837

Area Name: ENTIRE FACILITY
Actual Date: 19990430
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): Not reported
Original schedule date: 19990430
Schedule end date: Not reported

FINDS:

Registry ID: 110000749272

Environmental Interest/Information System

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-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.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

HWP:

EPA Id: CAD009305848
Cleanup Status: CLOSED
Latitude: 34.43032
Longitude: -119.8607
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: 300380
Assembly District: 37
Senate District: 19
Public Information Officer: Not reported

Activities:

EPA Id: CAD009305848
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - TECHNICAL COMPLETE LETTER
Actual Date: 05/13/1983

EPA Id: CAD009305848
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Renewal - No Changes - APPLICATION PART B RECEIVED
Actual Date: 02/10/1988

EPA Id: CAD009305848
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELCO ELECTRONICS CORP (Continued)

1000175837

Event Description:	Renewal - No Changes - CALL-IN LETTER ISSUED
Actual Date:	01/27/1994
EPA Id:	CAD009305848
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date:	08/12/1983
EPA Id:	CAD009305848
Facility Type:	Historical - Non-Operating
Unit Names:	Not reported
Event Description:	Renewal - Historical - CALL-IN LETTER ISSUED
Actual Date:	01/27/1994
EPA Id:	CAD009305848
Facility Type:	Historical - Non-Operating
Unit Names:	Not reported
Event Description:	Renewal - Historical - APPLICATION PART B RECEIVED
Actual Date:	02/10/1988
EPA Id:	CAD009305848
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	Renewal - No Changes - FINAL PERMIT RENEWAL - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date:	05/15/1995
EPA Id:	CAD009305848
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	New Operating Permit - FINAL PERMIT
Actual Date:	08/12/1983
EPA Id:	CAD009305848
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	New Operating Permit - FINAL PART A & PART B RECEIVED
Actual Date:	05/03/1983
EPA Id:	CAD009305848
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	New Operating Permit - CALL-IN LETTER ISSUED
Actual Date:	05/07/1982
EPA Id:	CAD009305848
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date:	04/26/1983
EPA Id:	CAD009305848
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date:	08/12/1988

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELCO ELECTRONICS CORP (Continued)

1000175837

EPA Id: CAD009305848
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/19/1980

EPA Id: CAD009305848
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 11/08/1982

EPA Id: CAD009305848
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 04/26/1983

Closure:

EPA Id: CAD009305848
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure - PUBLIC COMMENT (BEGIN)
Actual Date: 05/15/1995

EPA Id: CAD009305848
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure Final - PUBLIC COMMENT (END)
Actual Date: 05/15/1995

EPA Id: CAD009305848
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure Final - PUBLIC COMMENT (BEGIN)
Actual Date: 05/15/1995

EPA Id: CAD009305848
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 02/05/1997

EPA Id: CAD009305848
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 06/21/1995

EPA Id: CAD009305848
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure - PUBLIC COMMENT (END)
Actual Date: 05/15/1995

EPA Id: CAD009305848
Facility Type: Historical - Non-Operating

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELCO ELECTRONICS CORP (Continued)

1000175837

Unit Names: CONTAIN1
Event Description: Closure Final - CLOSURE PLAN APPROVED
Actual Date: 06/21/1995

EPA Id: CAD009305848
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 06/05/1996

Alias:
EPA Id: CAD009305848
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 300380

CA Financial Assurance 1:
EPA ID Number: CAD00930584880001628
Sudden Amount1: Not reported
Non Sudden Amount1: Not reported
Closure Mechanism: Not reported
Closure Amount: Not reported
Post Closure Mechanism: Not reported
Post Closure Amount: Not reported
Corrective Action Mechanism: LOC
Corrective Action Amount: Not reported
Sudden Mechanism Type: Not reported
Sudden Mechanism Amount: Not reported
Non Sudden Mechanism Type: Not reported
Non Sudden Mechanism Amount: Not reported
O&M Mechanism Type: Not reported
O&M Amount: Not reported

US FIN ASSUR:
EPA ID: CAD009305848
Provider: BANK OF AMERICA
EPA region: 9
County: SANTA BARBARA
Mechanism type: LETTER OF CREDIT
Mechanism ID: 3048738
Cost estimate: 637334
Face value: 637334
Effective date: 5/8/2002

82
WSW
1/2-1
0.564 mi.
2978 ft.

**UNIVERSITY OF CALIFORNIA SANTA BARBARA
6740 CORTONA
GOLETA, CA 93117**

**RCRA NonGen / NLR 1000256482
FUDS CAD981648256
CUPA Listings**

**Relative:
Lower**

RCRA NonGen / NLR:
Date form received by agency: 01/08/2013
Facility name: UNIVERSITY OF CALIFORNIA SANTA BARBARA
Facility address: 6740 CORTONA
GOLETA, CA 93117

**Actual:
23 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIVERSITY OF CALIFORNIA SANTA BARBARA (Continued)

1000256482

EPA ID: CAD981648256
Mailing address: 565 MESA RD MC NO 5132
DEPT EH AND S
SANTA BARBARA, CA 93106 5132
Contact: BRUCE A CARTER
Contact address: 565 MESA RD MC NO 5132 DEPT EH AND S
SANTA BARBARA, CA 93106 5132
Contact country: US
Contact telephone: 805-893-3293
Contact email: BRUCE.CARTER@EHS.UCSB.EDU
EPA Region: 09
Land type: State
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: UNIVERSITY OF CALIFORNIA SANTA BARBARA
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: State
Owner/Operator Type: Operator
Owner/Op start date: 07/03/1987
Owner/Op end date: Not reported

Owner/operator name: UNIVERSITY OF CALIFORNIA SANTA BARBARA
Owner/operator address: 565 MESA RD MC NO 5132 DEPT EH AND S
SANTA BARBARA, CA 93106
Owner/operator country: US
Owner/operator telephone: 805-893-3293
Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: 07/03/1987
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/16/1987
Facility name: UNIVERSITY OF CALIFORNIA SANTA BARBARA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIVERSITY OF CALIFORNIA SANTA BARBARA (Continued)

1000256482

Site name: ENGINEERING RESEARCH CTR
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: F - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 07/30/2002
Date achieved compliance: 10/30/2002
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 07/30/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 07/30/2002
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 10/30/2002
Evaluation lead agency: EPA

FUDS:

Federal Facility ID: CA9799F8109
FUDS #: J09CA7025
INST ID: 53687
Facility Name: UNIVERSITY OF CALIFORNIA SANTA BARBARA
City: GOLETA
State: CA
EPA Region: 09
County: SANTA BARBARA
Congressional District: 23
US Army District: Los Angeles District (SPL)
Fiscal Year: 2012
Telephone: 213-452-3920
NPL Status: Not Listed
RAB: Not reported
CTC: 280.3999
Current Owner: Not reported
Current Prog: Not reported
Future Prog: Not reported
Acreage: Not reported
Description: DISPOSAL OF 1000 CY OF CONTAMINATED SOIL (COPPER CONTAMINATION).
History: THE CONTAMINATED SOIL WAS EXCAVATED AND STOCKPILED BY UCSB DURING
CONSTRUCTION OF THE MARINE LAB BUILDING (NO. 555) IN 1987, WHICH WAS
THE SITE OF THE MCAS SEWAGE TREATMENT PLANT DURING WWII. THE
CONTAMINATED SOIL WAS EXCAVATED FROM AROUND A CLARIFIER/DIGESTER TANK.
Latitude: 34.416111
Longitude: -119.845833

CUPA SANTA BARBARA:

Facility Id: FA0013290
Region: SANTA BARBARA
Cross Street: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

UNIVERSITY OF CALIFORNIA SANTA BARBARA (Continued)

1000256482

Latitude:	Not reported
Longitude:	Not reported
Mailing Name:	EARTHSHELL CORPORATION
Mailing Care Of:	RANDY SMITH
Mailing Address:	6740 CORTONA DR
Mailing City:	SANTA BARBARA
Mailing State:	CA
Mailing Zip Code:	93117
Record Id:	PR0507695
Pe #:	2200
Current Status:	2
Facility Id:	FA0012698
Region:	SANTA BARBARA
Cross Street:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Mailing Name:	HENDRY TELEPHONE PRODUCTS
Mailing Care Of:	JAMES J. KEENAN
Mailing Address:	PO BOX 998
Mailing City:	GOLETA
Mailing State:	CA
Mailing Zip Code:	93116
Record Id:	PR0506413
Pe #:	2163
Current Status:	2

Q83
WSW
1/2-1
0.627 mi.
3310 ft.

RAYTHEON VISION SYSTEMS
75 COROMAR DR
GOLETA, CA 93117

CHMIRS **S109040627**
Financial Assurance **N/A**
HWP

Site 1 of 2 in cluster Q

Relative:
Lower

CHMIRS:
 OES Incident Number: 06-0280
 OES notification: 01/11/2006
 OES Date: Not reported
 OES Time: Not reported
 Incident Date: Not reported
Date Completed: Not reported
 Property Use: Not reported
 Agency Id Number: Not reported
 Agency Incident Number: Not reported
 Time Notified: Not reported
 Time Completed: Not reported
 Surrounding Area: Not reported
 Estimated Temperature: Not reported
 Property Management: Not reported
 Special Studies 1: Not reported
 Special Studies 2: Not reported
 Special Studies 3: Not reported
 Special Studies 4: Not reported
 Special Studies 5: Not reported
 Special Studies 6: Not reported
 More Than Two Substances Involved?: Not reported
 Resp Agency Personel # Of Decontaminated: Not reported
 Responding Agency Personel # Of Injuries: Not reported
 Responding Agency Personel # Of Fatalities: Not reported

Actual:
25 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

S109040627

Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA/DOT/PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Comments: Not reported
Facility Telephone: Not reported
Waterway Involved: Not reported
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Reporting Party
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 2006
Agency: Raytheon
Incident Date: 1/3/2006 12:00:00 AM
Admin Agency: Santa Barbara County Environmental Health
Amount: Not reported
Contained: Yes
Site Type: Industrial Plant
E Date: Not reported
Substance: R12 Refrigerant
Quantity Released: Not reported
BBLs: 0
Cups: 0
CUFT: 0
Gallons: 0.000000
Grams: 0
Pounds: 1500
Liters: 0
Ounces: 0
Pints: 0
Quarts: 0
Sheen: 0
Tons: 0
Unknown: 0
Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0
Description: Caller advised that the release was discovered on 01/03/06 in a chiller for an air handler.

CA Financial Assurance 1:

EPA ID Number: CAD028260297
Sudden Amount1: 2,000,000.00
Non Sudden Amount1: Not reported
Closure Mechanism: LOC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

S109040627

Closure Amount: \$198,993.00
Post Closure Mechanism: Not reported
Post Closure Amount: Not reported
Corrective Action Mechanism: Not reported
Corrective Action Amount: Not reported
Sudden Mechanism Type: LOC
Sudden Mechanism Amount: 1,000,000.00
Non Sudden Mechanism Type: Not reported
Non Sudden Mechanism Amount: Not reported
O&M Mechanism Type: Not reported
O&M Amount: Not reported

HWP:

EPA Id: CAD028260297
Cleanup Status: CLOSED
Latitude: 34.43181
Longitude: -119.8635
Facility Type: Historical - Non-Operating
Facility Size: Small Storage
Team: *Treatment & Storage
Supervisor: FARSHAD VAKILI
Site Code: 300236
Assembly District: 37
Senate District: 19
Public Information Officer: Not reported

Activities:

EPA Id: CAD028260297
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKTRT1
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 10/31/1990

EPA Id: CAD028260297
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKTRT1
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 06/28/1985

EPA Id: CAD028260297
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKTRT1
Event Description: Renewal - No Changes - APPLICATION PART B RECEIVED
Actual Date: 10/24/1990

EPA Id: CAD028260297
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKTRT1
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 06/28/1985

EPA Id: CAD028260297
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKTRT1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 11/28/1995

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

S109040627

EPA Id:	CAD028260297
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, TANKTRT1
Event Description:	New Operating Permit - CALL-IN LETTER ISSUED
Actual Date:	11/06/1995
EPA Id:	CAD028260297
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, TANKTRT1
Event Description:	New Operating Permit - DRAFT PERMIT
Actual Date:	04/08/1985
EPA Id:	CAD028260297
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, TANKTRT1
Event Description:	New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date:	04/08/1985
EPA Id:	CAD028260297
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, TANKTRT1
Event Description:	New Operating Permit - CALL-IN LETTER ISSUED
Actual Date:	03/21/1983
EPA Id:	CAD028260297
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, TANKTRT1
Event Description:	New Operating Permit - APPLICATION PART B RECEIVED
Actual Date:	07/05/1983
EPA Id:	CAD028260297
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, TANKTRT1
Event Description:	New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date:	06/28/1990
Closure:	
EPA Id:	CAD028260297
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, TANKTRT1
Event Description:	Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date:	06/26/2013
Alias:	
EPA Id:	CAD028260297
Facility Type:	Historical - Non-Operating
Alias Type:	Project Code (Site Code)
Alias:	300236
EPA Id:	CAD028260297
Facility Type:	Historical - Non-Operating
Alias Type:	FRS
Alias:	110000748237

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

Q84 **RAYTHEON VISION SYSTEMS**
WSW **75 COROMAR DRIVE**
1/2-1 **GOLETA, CA 93117**
0.627 mi.
3310 ft. **Site 2 of 2 in cluster Q**

Relative:
Lower

Actual:
25 ft.

RCRA-TSDF **1000394893**
CERC-NFRAP **CAD028260297**
RCRA-LQG
FINDS
CA FID UST
SLIC
CUPA Listings
SWEEPS UST
Notify 65
ENVIROSTOR
WDS
US FIN ASSUR

RCRA-TSDF:

Date form received by agency: 03/23/2012
Facility name: RAYTHEON VISION SYSTEMS
Facility address: 75 COROMAR DRIVE
GOLETA, CA 93117
EPA ID: CAD028260297
Mailing address: COROMAR DRIVE B5/MS96
GOLETA, CA 93117
Contact: SAL HERNANDEZ, JR.
Contact address: COROMAR DRIVE B5/MS96
GOLETA, CA 93117
Contact country: Not reported
Contact telephone: (805) 562-2920
Contact email: SAL.HERNANDEZ@RAYTHEON.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: RAYTHEON-PUBLIC COMPANY
Owner/operator address: WINTER STREET
WALTHAM, MA 02451
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: 12/17/1997
Owner/Op end date: Not reported

Owner/operator name: RAYTHEON-PUBLIC COMPANY
Owner/operator address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: 12/17/1997
Owner/Op end date: Not reported

Owner/operator name: RAYTHEON SYSTEMS CO
Owner/operator address: P O BOX 80028 MS A162
LOS ANGELES, CA 90080

Owner/operator country: Not reported
Owner/operator telephone: (213) 569-7200
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/23/2010
Facility name: RAYTHEON VISION SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 02/22/2008
Facility name: RAYTHEON VISION SYSTEMS
Site name: RAYTHEON
Classification: Large Quantity Generator

Date form received by agency: 02/21/2006
Facility name: RAYTHEON VISION SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 02/20/2004
Facility name: RAYTHEON VISION SYSTEMS
Site name: RAYTHEON VISION SYSTEMS (RVS)
Classification: Large Quantity Generator

Date form received by agency: 02/13/2002
Facility name: RAYTHEON VISION SYSTEMS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

Site name: RAYTHEON ELECTRONIC SYSTEM - RIO
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Facility name: RAYTHEON VISION SYSTEMS
Site name: RAYTHEON (B1/B2/B3)
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Facility name: RAYTHEON VISION SYSTEMS
Site name: SANTA BARBARA RESEARCH CENTER
Classification: Large Quantity Generator

Date form received by agency: 07/01/1998
Facility name: RAYTHEON VISION SYSTEMS
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Facility name: RAYTHEON VISION SYSTEMS
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 02/28/1996
Facility name: RAYTHEON VISION SYSTEMS
Site name: SANTA BARBARA RESEARCH CTN
Classification: Large Quantity Generator

Date form received by agency: 03/30/1994
Facility name: RAYTHEON VISION SYSTEMS
Site name: SANTA BARBARA RESEARCH CENTER
Classification: Large Quantity Generator

Date form received by agency: 02/27/1992
Facility name: RAYTHEON VISION SYSTEMS
Site name: SANTA BARBARA RESEARCH CENTER
Classification: Large Quantity Generator

Date form received by agency: 04/01/1990
Facility name: RAYTHEON VISION SYSTEMS
Site name: SANTA BARBARA RESEARCH CENTER
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Facility name: RAYTHEON VISION SYSTEMS
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: 122
Waste name: 122

Waste code: 132
Waste name: 132

Waste code: 133
Waste name: 133

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

Waste code:	134
Waste name:	134
Waste code:	135
Waste name:	135
Waste code:	141
Waste name:	141
Waste code:	151
Waste name:	151
Waste code:	181
Waste name:	181
Waste code:	214
Waste name:	214
Waste code:	221
Waste name:	221
Waste code:	223
Waste name:	223
Waste code:	261
Waste name:	261
Waste code:	331
Waste name:	331
Waste code:	343
Waste name:	343
Waste code:	352
Waste name:	352
Waste code:	491
Waste name:	491
Waste code:	551
Waste name:	551
Waste code:	711
Waste name:	711
Waste code:	722
Waste name:	722
Waste code:	725
Waste name:	725
Waste code:	791
Waste name:	791
Waste code:	792
Waste name:	792

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Waste code:	D002
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Waste code:	D003
Waste name:	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Waste code:	D004
Waste name:	ARSENIC
Waste code:	D005
Waste name:	BARIIUM
Waste code:	D006
Waste name:	CADMIUM
Waste code:	D007
Waste name:	CHROMIUM
Waste code:	D008
Waste name:	LEAD
Waste code:	D009
Waste name:	MERCURY
Waste code:	D011
Waste name:	SILVER
Waste code:	D035
Waste name:	METHYL ETHYL KETONE
Waste code:	F003
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: P098
Waste name: POTASSIUM CYANIDE

Waste code: U134
Waste name: HYDROFLUORIC ACID (C,T)

Waste code: U144
Waste name: ACETIC ACID, LEAD(2+) SALT

Waste code: D000
Waste name: Not Defined

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D004
Waste name: ARSENIC

Waste code: D006
Waste name: CADMIUM

Waste code: D007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

Waste code: D011
Waste name: SILVER

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
Waste code: P029
Waste name: COPPER CYANIDE
Waste code: P106
Waste name: SODIUM CYANIDE

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 21794

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 5385

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 191

Waste code: D004
Waste name: ARSENIC
Amount (Lbs): 1512

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 33

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 32699

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 853

Waste code: D008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

Waste name: LEAD
Amount (Lbs): 325

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 21598

Waste code: D011
Waste name: SILVER
Amount (Lbs): 33

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 13711

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 33070

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 32242

Waste code: P098
Waste name: POTASSIUM CYANIDE
Amount (Lbs): 191

Waste code: U134
Waste name: HYDROFLUORIC ACID (C,T)
Amount (Lbs): 437

Waste code: U144
Waste name: ACETIC ACID, LEAD(2+) SALT
Amount (Lbs): 33

Corrective Action Summary:

Event date: 01/01/1990
Event: CA029ST

Event date: 07/15/1991
Event: CA Prioritization, Facility or area was assigned a low corrective

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

action priority.

Event date: 07/15/1991
Event: CA074LO

Event date: 07/15/1991
Event: CA049PA

Event date: 07/15/1991
Event: RFA Completed

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 04/22/2008
Date achieved compliance: 04/28/2008
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/09/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/09/2006
Date achieved compliance: 11/27/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/09/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 06/03/1994
Date achieved compliance: 06/22/1994
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 06/03/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 500
Final penalty amount: 200
Paid penalty amount: 200

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 12/26/1991

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

Date achieved compliance: 01/09/1992
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/26/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 3150
Final penalty amount: 3150
Paid penalty amount: 3150

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 12/26/1991
Date achieved compliance: 01/09/1992
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/26/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 3150
Final penalty amount: 3150
Paid penalty amount: 3150

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 12/05/1989
Date achieved compliance: 04/10/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/27/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 12/05/1989
Date achieved compliance: 04/10/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/27/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 12/16/1987
Date achieved compliance: 02/28/1988

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 12/16/1987
Date achieved compliance: 02/28/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 12/18/2013
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/21/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/10/2012
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/18/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/22/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 04/28/2008
Evaluation lead agency: EPA

Evaluation date: 01/30/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/21/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/09/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/27/2006
Evaluation lead agency: State

Evaluation date: 10/12/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/12/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/02/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/25/2004
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/02/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/30/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/21/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

Evaluation date: 02/06/1996
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/10/1994
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/01/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 06/22/1994
Evaluation lead agency: State

Evaluation date: 10/24/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 01/09/1992
Evaluation lead agency: State

Evaluation date: 10/24/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 01/09/1992
Evaluation lead agency: State

Evaluation date: 12/28/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/05/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 04/10/1990
Evaluation lead agency: State

Evaluation date: 12/05/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 04/10/1990
Evaluation lead agency: State

Evaluation date: 06/03/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/16/1987
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: LDR - General

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

Date achieved compliance: 02/28/1988
Evaluation lead agency: State

Evaluation date: 12/16/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/28/1988
Evaluation lead agency: State

CERC-NFRAP:

Site ID: 0900282
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13289276.00000
Person ID: 13003854.00000

Contact Sequence ID: 13294871.00000
Person ID: 13003858.00000

Contact Sequence ID: 13300729.00000
Person ID: 13004003.00000

Program Priority:

Description: RCRA Deferral - Lead Confirmed

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: / /
Date Completed: 03/01/91
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 08/02/91
Priority Level: Deferred to RCRA (Subtitle C)

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 01/23/96
Priority Level: Not reported

FINDS:

Registry ID: 110000748237

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

facilities.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-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.

HAZARDOUS WASTE BIENNIAL REPORTER

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

CA FID UST:

Facility ID: 42001790
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 75 COROMAR DR
Mailing Address 2: Not reported
Mailing City,St,Zip: GOLETA 93117
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SLIC:

Region: STATE
Facility Status: **Open - Assessment & Interim Remedial Action**
Status Date: 11/18/2009
Global Id: SL0608366853

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Lead Agency Case Number: Not reported
Latitude: 34.431297
Longitude: -119.864806
Case Type: Cleanup Program Site
Case Worker: DT
Local Agency: SANTA BARBARA COUNTY LOP
RB Case Number: S322
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern: Lead, 1,1,1-Trichloroethane (TCA)
Site History: Raytheon leases the approximately 10-acre site and began operations in the early 1960s. Raytheon's operations at the site in and around Bldgs B-2 and B-3 have included research and development, and manufacture of various electronic components used in satellite systems. Chemical compounds used as part of operations include specialty gases, acidic solutions, reagents, various metals, and solvents. The nature of on-going operations currently precludes subsurface investigation or remediation within the footprint of the buildings. Land use in the immediately surrounding area is characterized by commercial office space and light manufacturing to the east, west, north, and southwest. A low-lying open space currently exists south/southeast of Bldg B-2 that is proposed to become a commercial park in the near future.

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 3:

Region: 3
Leak Site Cross Street: Hollister Ave
Regional Board Case#: S322
Entered Into Database: Not reported
Discovered: Not reported
RB Case In: Hargis + Associates, Inc.
Responsible Party: MR. R. ANDREW HALLIBURTON
RP Contact: Not reported
RP Phone: Not reported
RP Number: Not reported
RP Address: 2365 NORTHSIDE DR., SUITE C-100
RP City,St,Zip: SAN DIEGO, CA 92108
Date First Reported: 14-Jan-04
Lead Agency: Regional Board
Program Type: SLIC
Facility Status: Leak Being Confirmed
Case Type: Drinking Water Aquifer affected
Case Type Undetermined: No
Case Type Soil Impacted: No
Case Type Surface Water: No
Case Type Drinkin Water Well: No
Case Type Drinking Water Aqfr: Yes
Case Type Other Grnd Wtr: No
PCA: 2030023

CUPA SANTA BARBARA:

Facility Id: FA0001353
Region: SANTA BARBARA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: RAYTHEON
Mailing Care Of: BARRY PABST - FIRE PREVENTION
Mailing Address: 75 COROMAR DR -- B5
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0221787
Pe #: 2204
Current Status: 1

Facility Id: FA0001353
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: RAYTHEON
Mailing Care Of: BARRY PABST - FIRE PREVENTION
Mailing Address: 75 COROMAR DR -- B5
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0231787
Pe #: 2302
Current Status: 2

Facility Id: FA0001353
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: RAYTHEON
Mailing Care Of: BARRY PABST - FIRE PREVENTION
Mailing Address: 75 COROMAR DR -- B5
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0211787
Pe #: 2165
Current Status: 1

Facility Id: FA0001353
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: RAYTHEON
Mailing Care Of: BARRY PABST - FIRE PREVENTION
Mailing Address: 75 COROMAR DR -- B5
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0504906
Pe #: 2745
Current Status: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

Facility Id: FA0001353
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: RAYTHEON
Mailing Care Of: BARRY PABST - FIRE PREVENTION
Mailing Address: 75 COROMAR DR -- B5
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0511779
Pe #: 1800
Current Status: 1

Facility Id: FA0001353
Region: SANTA BARBARA
Cross Street: Not reported
Latitude: Not reported
Longitude: Not reported
Mailing Name: RAYTHEON
Mailing Care Of: BARRY PABST - FIRE PREVENTION
Mailing Address: 75 COROMAR DR -- B5
Mailing City: GOLETA
Mailing State: CA
Mailing Zip Code: 93117
Record Id: PR0511621
Pe #: 1703
Current Status: 4

SWEEPS UST:

Status: Not reported
Comp Number: 1787
Number: Not reported
Board Of Equalization: 44-025470
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 42-000-001787-000002
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 1

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: 91118

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

ENVIROSTOR:

Facility ID: 42370001
Status: Refer: RCRA
Status Date: 08/16/1988
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: 0
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Min Wu
Supervisor: Noel Shrum
Division Branch: Cleanup Chatsworth
Assembly: 37
Senate: 19
Special Program: * Rural County Survey Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.43131
Longitude: -119.8648
APN: 073-150-014
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 073-150-014
Alias Type: APN
Alias Name: CAD981385073
Alias Type: EPA Identification Number
Alias Name: 42370001
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/10/1988
Comments: SITE SCREENING DONE RATIONALE FOR PA: ALLEGATION OF DISCH OF RINSEWATER FROM HOOD SCRUBBERS TO AN AJD PARKING LOT; FOLLOWUP ON THE PAST WASTE DISPOSAL PRACTICES REQUIRED. IN 1970, OPERATION WAS A SUBSIDIARY OF HUGHES AIRCRAFT COMPANY.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/09/1988
Comments: FACILITY IDENTIFIED SANTA BARBARA CO. HEALTH COMPLAINTS FILE

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Facility ID: 80001354
Status: Inactive - Action Required
Status Date: 08/20/2013
Site Code: 300236
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Jess Villamayor
Supervisor: Philip Chandler
Division Branch: Cleanup Chatsworth
Assembly: 37
Senate: 19
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.43093
Longitude: -119.8651
APN: 073-150-014
Past Use: NONE SPECIFIED
Potential COC: Arsenic Benzene Total Chromium (1:6 ratio Cr VI:Cr III Polynuclear aromatic hydrocarbons (PAHs Silver Tetrachloroethylene (PCE TPH-diesel TPH-MOTOR OIL 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Acetone Chromium III Chromium VI Cobalt

Confirmed COC: Arsenic Benzene Total Chromium (1:6 ratio Cr VI:Cr III Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE TPH-diesel 1,1,1-Trichloroethane (TCA Acetone Chromium III Chromium VI TPH-MOTOR OIL Trichloroethylene (TCE Cobalt Silver

Potential Description: UE

Alias Name: 073-150-014
Alias Type: APN
Alias Name: CAD028260297
Alias Type: EPA Identification Number
Alias Name: 110000748237
Alias Type: EPA (FRS #)
Alias Name: 300236
Alias Type: Project Code (Site Code)
Alias Name: 80001354
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 07/15/1991
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: Hazardous Waste Storage Area
Completed Document Type: Removal Action Completion Report
Completed Date: 06/23/2011
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: Process Waste Collection System
Completed Document Type: Removal Action Completion Report
Completed Date: 06/23/2011
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: Silver Reclamation System
Completed Document Type: Removal Action Completion Report
Completed Date: 06/23/2011
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: Bromine Waste Treatment Sysytem
Completed Document Type: Removal Action Completion Report
Completed Date: 06/23/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 07/15/1991
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: Hazardous Waste Storage Area
Completed Document Type: Certification
Completed Date: 06/26/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 07/15/1991
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CA WDS:

Facility ID: Central Coastal 42I014484
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

are assigned by the Regional Board
Subregion: 3
Facility Telephone: 8055627894
Facility Contact: MEADE THOMAS
Agency Name: RAYTHEON SYSTEMS CO
Agency Address: 75 Coromar Dr
Agency City,St,Zip: Goleta 931173088
Agency Contact: THOMPSON SCOTT
Agency Telephone: 6615624386
Agency Type: ?
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

US FIN ASSUR:

EPA ID: CAD028260297
Provider: INTESA SANPAOLO
EPA region: 9
County: SANTA BARBARA
Mechanism type: LETTER OF CREDIT
Mechanism ID: 093074-793
Cost estimate: 187059
Face value: 187059
Effective date: 5/20/2009

EPA ID: CAD028260297
Provider: INTESA SANPAOLO
EPA region: 9
County: SANTA BARBARA
Mechanism type: LETTER OF CREDIT
Mechanism ID: 093074-793
Cost estimate: 2000000
Face value: 4500000
Effective date: 5/30/2010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYTHEON VISION SYSTEMS (Continued)

1000394893

EPA ID: CAD028260297
Provider: INTESA SANPAOLO
EPA region: 9
County: SANTA BARBARA
Mechanism type: LETTER OF CREDIT
Mechanism ID: 093074-793
Cost estimate: 2500000
Face value: 4500000
Effective date: 5/30/2010

85
WSW
1/2-1
0.665 mi.
3512 ft.

DUPONT DISPLAYS
6780 CORTONA DR
GOLETA, CA

RCRA-SQG **1000985093**
FINDS **CAR000002048**
ENVIROSTOR

Relative:
Lower

RCRA-SQG:

Date form received by agency: 02/27/2004
Facility name: DUPONT DISPLAYS
Facility address: 6780 CORTONA DRIVE
GOLETA, CA 93117
EPA ID: CAR000002048
Mailing address: 600 WARD DRIVE
GOLETA, CA 93111
Contact: CHRISTOPHER J ROSSI
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (805) 879-1270
Contact email: CROSSI@DUPONTDISPLAYS.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
31 ft.

Owner/Operator Summary:

Owner/operator name: DUPONT DISPLAYS
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/15/2001
Owner/Op end date: Not reported

Owner/operator name: DUPONT DISPLAYS
Owner/operator address: 600 WARD DRIVE
GOLETA, CA 93111

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/15/2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DUPONT DISPLAYS (Continued)

1000985093

Owner/Op end date: Not reported
Owner/operator name: DUPONT DISPLAYS
Owner/operator address: 6780 CORTONA DR
GOLETA, CA 93117
Owner/operator country: Not reported
Owner/operator telephone: (805) 562-5417
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/27/2004
Facility name: DUPONT DISPLAYS
Classification: Large Quantity Generator

Date form received by agency: 04/26/2002
Facility name: DUPONT DISPLAYS
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D000
Waste name: Not Defined

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DUPONT DISPLAYS (Continued)

1000985093

USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D009
Waste name: MERCURY

Waste code: D022
Waste name: CHLOROFORM

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F012
Waste name: QUENCHING WASTE WATER TREATMENT SLUDGES FROM METAL HEAT TREATING

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DUPONT DISPLAYS (Continued)

1000985093

OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D005
Waste name: BARIUM

Waste code: D022
Waste name: CHLOROFORM

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110002905492

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DUPONT DISPLAYS (Continued)

1000985093

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.

HAZARDOUS WASTE BIENNIAL REPORTER

ENVIROSTOR:

Facility ID: 71003425
Status: Inactive - Needs Evaluation
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 37
Senate: 19
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.43260
Longitude: -119.8649
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAR000002048
Alias Type: EPA Identification Number
Alias Name: 110002905492
Alias Type: EPA (FRS #)
Alias Name: 71003425
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

86
 SE
 1/2-1
 0.771 mi.
 4072 ft.

UC SANTA BARBARA
SANTA BARBARA AIRPORT, DAVID LOVE PLACE
SANTA BARBARA, CA 93111

HIST Cal-Sites S102564481
Cortese N/A
ENVIROSTOR

Relative:
Lower

Calsite:
 Region: GLENDALE
 Facility ID: 42970004
 Facility Type: CLOSE
 Type: CLOSED MILITARY BASE
 Branch: SO
 Branch Name: OMF-SOUTHERN CALIF
 File Name: SANTA BARBARA MUNICIPAL AIRPORT
 State Senate District: 11082000
 Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE
 Status Name: ANNUAL WORKPLAN - ACTIVE SITE
 Lead Agency: N/A
 NPL: Not Listed
 SIC Code: 97
 SIC Name: NATIONAL SECURITY/INTERNATIONAL AFFAIRS
 Access: Not reported
 Cortese: Not reported
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Not reported
 Staff Member Responsible for Site: Not reported
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: Not reported
 Region Water Control Board Name: Not reported
 Lat/Long Direction: Not reported
 Lat/Long (dms): 0 0 0 / 0 0 0
 Lat/long Method: Not reported
 Lat/Long Description: Not reported
 State Assembly District Code: 35
 State Senate District Code: 19
 Facility ID: Not reported
 Activity: Not reported
 Activity Name: Not reported
 AWP Code: Not reported
 Proposed Budget: Not reported
 AWP Completion Date: Not reported
 Revised Due Date: Not reported
 Comments Date: Not reported
 Est Person-Yrs to complete: Not reported
 Estimated Size: Not reported
 Request to Delete Activity: Not reported
 Activity Status: Not reported
 Definition of Status: Not reported
 Liquids Removed (Gals): Not reported
 Liquids Treated (Gals): Not reported
 Action Included Capping: Not reported
 Well Decommissioned: Not reported
 Action Included Fencing: Not reported
 Removal Action Certification: Not reported
 Activity Comments: Not reported
 For Commercial Reuse: Not reported
 For Industrial Reuse: Not reported
 For Residential Reuse: Not reported

Actual:
9 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UC SANTA BARBARA (Continued)

S102564481

Unknown Type: Not reported
Alternate Address: SANTA BARBARA AIRPORT, DAVID LOVE PLACE
Alternate City,St,Zip: SANTA BARBARA, CA 93111
Background Info: Site is a Formerly Used Defense Site with Potential OE/UXO contamination. Located at West of Santa Barbara, along Highway 101 in Santa Barbara County. Approximately 950 acres. Past operations include various military training activities ; numerous non-military tenants have since used the airport property. Operations include aircraft maintenance and refueling. Heating oil, solvents, battery acids, and fuel released from underground storage tanks. Heating oil and waste oil were stored in underground tanks. 20 of which were removed in 1993. Waste oil is recycled off-site; waste water is discharged to the Goleta Sanitary District Wastewater Treatment Plant. All other wastes are discharged to appropriate off-site landfills. Potential impacts include soil and groundwater contamination from leaking underground storage tanks and releases from aircraft maintenance operations.
Comments Date: Not reported
Comments: Not reported
ID Name: Not reported
ID Value: Not reported
Alternate Name: SANTA BARBARA MUNICIPAL AIRPORTSANTA BARBARA MUNICIPAL AIRPORTUC SANTA BARBARA
Special Programs Code: Not reported
Special Programs Name: Not reported

CORTESE:

Region: CORTESE
Envirostor Id: 42970004
Site/Facility Type: MILITARY EVALUATION
Cleanup Status: BACKLOG
Status Date: 11/16/2005
Site Code: 300781
Latitude: 34.416666
Longitude: -119.84583
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: export
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported

ENVIROSTOR:

Facility ID: 80000739
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

UC SANTA BARBARA (Continued)

S102564481

Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Douglas Bautista
 Division Branch: Cleanup Cypress
 Assembly: 37
 Senate: 19
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: DERA
 Latitude: 34.41611
 Longitude: -119.8458
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: NONE SPECIFIED
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: J09CA7025
 Alias Type: Alternate Name
 Alias Name: Marine Corp Air Station, Goleta (MCAS Goleta) -- INPR J09CA1097 -- related project
 Alias Type: Alternate Name
 Alias Name: Santa Barbara Municipal Airport -- INPR J09CA7001 -- related project
 Alias Type: Alternate Name
 Alias Name: UC Santa Barbara -- INPR J09CA7002 -- related project - same site
 Alias Type: Alternate Name
 Alias Name: CA99799F810900
 Alias Type: Federal Facility ID
 Alias Name: 80000739
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Inventory Project Report (INPR)
 Completed Date: 12/12/1998
 Comments: Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

87
East
1/2-1
0.819 mi.
4326 ft.

MCAS GOLETA
GOLETA, CA

ENVIROSTOR **S107736701**
N/A

Relative:
Lower
Actual:
14 ft.

ENVIROSTOR:
 Facility ID: 80000539
 Status: Inactive - Needs Evaluation
 Status Date: 07/01/2005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MCAS GOLETA (Continued)

S107736701

Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: 1468
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 37
Senate: 19
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 34.43333
Longitude: -119.8352
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: Explosives (UXO, MEC)
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: Marine Corp Air Base, Goleta (MCAB Goleta) -- INPR J09CA7093 --
different project, same site
Alias Type: Alternate Name
Alias Name: Marine Corps Air Station, Goleta
Alias Type: Alternate Name
Alias Name: CA99799F598600
Alias Type: Federal Facility ID
Alias Name: J09CA1097
Alias Type: INPR
Alias Name: 80000539
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 06/03/1993
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

88
ENE
1/2-1
0.860 mi.
4540 ft.

LOS PADRES NATIONAL FOREST
6144 CALLE REAL
GOLETA, CA 93117

ENVIROSTOR S103666944
N/A

Relative:
Lower

ENVIROSTOR:

Facility ID: 42960001
Status: Refer: Other Agency
Status Date: 08/29/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Chatsworth
Assembly: 37
Senate: 19
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.43982
Longitude: -119.8355
APN: 077-244-021
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 077-244-021
Alias Type: APN
Alias Name: CA1122390437
Alias Type: EPA Identification Number
Alias Name: 110002686406
Alias Type: EPA (FRS #)
Alias Name: 42960001
Alias Type: Envirostor ID Number

Actual:
26 ft.

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 12/01/1987
Comments: FACILITY IDENTIFIED CERCLIS - FEDERAL FACILITY

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

89
SE
1/2-1
0.874 mi.
4614 ft.

SANTA BARBARA MUN AIRPORT
GOLETA, CA

FUDS 1009484236
N/A

Relative:
Lower

FUDS:

Federal Facility ID: CA9799F6912
 FUDS #: J09CA7001
 INST ID: 56937
 Facility Name: SANTA BARBARA MUN AIRPORT
 City: GOLETA
 State: CA
 EPA Region: 09
 County: SANTA BARBARA
 Congressional District: 23
 US Army District: Los Angeles District (SPL)
 Fiscal Year: 2012
 Telephone: 213-452-3920
 NPL Status: Not Listed
 RAB: Not reported
 CTC: 3613.699
 Current Owner: Other
 Current Prog: Not reported
 Future Prog: Not reported
 Acreage: Not reported

Actual:
9 ft.

Description: The former Santa Barbara Municipal Airport is in the city of Santa Barbara, in Santa Barbara County, California (Figure 1.1). Figure 2.1 shows the FUDS and MRS boundaries, including the four subranges: the Rifle Range (1,047 acres), Skeet Range No. 1 (30 acres), Skeet Range No. 2 (30 acres), and the Free Gunnery Range (30 acres). The city of Santa Barbara owns the former Santa Barbara Municipal Airport, which is located in the northern portion of the FUDS boundary and is occupied by the current Santa Barbara Municipal Airport. The southern portion of the FUDs (including the Range Complex No. 1 MRS) includes the UCSB campus including Goleta Point and Campus Lagoon which remains undeveloped and serves as an environmental study area with recreational use.

History: MCAS Santa Barbara was used by 43 different Marine Air Groups, Carrier Air Service Units, and squadrons to organize and train as a combat units for the World War II effort. Aircraft that operated out of MCAS Santa Barbara included the F4U Corsair, TBM/TBF Avengers, J2F Duck, SNJ-3 Texan, F4F Wildcat, and F6F Hellcat. The flight training included field carrier landing practice, gunnery, navigation, night flying, tactics, rocket firing, and bombing. MEC activities at MCAS Santa Barbara included storage of various types of high explosive and practice aviation ammunition at the seven magazines on the air station for use at ranges near the airfield and use of small arms ranges for rifles, pistols, and shotguns (skeet). One free gunnery tower was also present on the air station. The only ranges known to have existed on site are those associated with small arms ranges only. No evidence was found to indicate that any high explosive ordnance was used on the installation (USACE, 2004b, 2009). The Range Complex Number 1 MRS includes four subranges: the Rifle Range, Skeet Range No. 1, Skeet Range No. 2, and the Free Gunnery Range. The direction of fire for the subranges was generally southsoutheast into the Pacific Ocean.

Latitude: 34.427222
 Longitude: -119.838056

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

90
ENE
1/2-1
0.949 mi.
5011 ft.

SHERRIL WAY & VEGA DRIVE
GOLETA, CA 91118

Notify 65 S100179502
N/A

Relative:
Higher

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: 91118

Actual:
41 ft.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
GAVIOTA	U001580717	NICKS PLACE	HWY 101	93117	HIST UST, CUPA Listings
GAVIOTA	S110742712	CINGULAR - GAVIOTA MICROCELL 14525	18000 HWY 101	93117	CUPA Listings
GAVIOTA	S110741404	ARCO O&G-GAVIOTA LEASE #2793	HWY 101	93117	CUPA Listings
GAVIOTA	S106929909	NICKS PLACE	HWY 101	93117	SWEEPS UST
GAVIOTA	S106922548	ALL AMERICAN PIPELINE/GAVIOTA BOOS	HWY 101	93117	SWEEPS UST
GAVIOTA	1000434465	CHEVRON USA INC GAVIOTA TERM	HWY 101	93117	RCRA-SQG
GAVIOTA	1000260716	GAVIOTA OIL PLANT	HWY 101 MARIPOSA	93117	RCRA-SQG
GAVIOTA	1000235732	PANGLCO	HIGHWAY 101	93117	RCRA-SQG
GAVIOTA	S110742053	BENTON OIL & GAS - SOLD	16660 CALLE REAL	93117	CUPA Listings
GAVIOTA	S110736068	SWEPI LP-FORMER HERCULES GAS PLANT	14730 CALLE REAL	93117	CUPA Listings
GAVIOTA	S106922545	ALL AMERICAN PIPELINE	GAVIOTA PUMP STATION, HWY 101	93117	SWEEPS UST
GAVIOTA	S106922544	ALL AMERICAN PIPELINE	GAVIOTA BOOSTER STATION, HWY 1	93117	SWEEPS UST
GOLETA	S111220229	VERIZON CA - GAVIOTA HUT MARINE	16880 HWY 101	93117	CUPA Listings
GOLETA	S110742092	GAVIOTA STATE PARK	17000 HWY 101	93117	CUPA Listings
GOLETA	S110741459	CA STATE PARK - REFUGIO STATE BEAC	HWY 101 @ REFUGIO BEACH RD	93117	CUPA Listings
GOLETA	S110741407	ARCO O&G-DOS PUEBLOS	HWY 101 / WINCHESTER CYN RD	93117	CUPA Listings
GOLETA	S110741405	EL CAPITAN STATE BEACH	HWY 101 @ EL CAPITAN RD	93117	CUPA Listings
GOLETA	A100339210	EL CAPITAN STATE BEACH	HWY 101 @ EL CAPITAN RD	93117	AST
GOLETA	U001580688	EL CAPITAN STATE BEACH	HWY 101, 10 MILES NORTH OF GOL	93117	HIST UST
GOLETA	S106922805	ARCO O&G-DOS PUEBLOS/BEACHFRONT TA	HWY 101/WINCHESTER C RD	93117	SWEEPS UST
GOLETA	S110742653	TOYON RESEARCH CORPORATION-MOVED	137/139 AERO CAMINO B	93117	CUPA Listings
GOLETA	S110742012	SPRINT - EL CAPITAN - REMOTE SITE	EL CAPITAN & HWY 101	93117	CUPA Listings
GOLETA	S106922547	ALL AMERICAN PIPELINE CO.	LAS FLORES PUMP STATION, 12000	93117	SWEEPS UST
GOLETA	1016447659	SORAA INC	75 B ROBIN HILL RD	93117	RCRA-SQG
SANTA BARBARA	S110743032	PLAINS PIPELINE LP-LAS FLORES PUMP	12050 CALLE REAL	93117	CUPA Listings
SANTA BARBARA	S110742620	VERIZON WIRELESS - HWY 101 EDWARDS	10010 CALLE REAL	93117	CUPA Listings

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.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 07/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/20/2014
	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

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 07/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/20/2014
	Data Release Frequency: Quarterly

NPL LIENS: 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: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 07/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/20/2014
	Data Release Frequency: Quarterly

Federal CERCLIS list

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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/29/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/08/2014
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/31/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/08/2013	Telephone: 703-603-8704
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 07/08/2014
Number of Days to Update: 151	Next Scheduled EDR Contact: 10/20/2014
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/29/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/08/2014
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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. 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). 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.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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. 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). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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. 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). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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. 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.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

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: 03/19/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 703-603-0695
Date Made Active in Reports: 07/15/2014	Last EDR Contact: 06/05/2014
Number of Days to Update: 116	Next Scheduled EDR Contact: 09/22/2014
	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: 03/19/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 703-603-0695
Date Made Active in Reports: 07/15/2014	Last EDR Contact: 06/05/2014
Number of Days to Update: 116	Next Scheduled EDR Contact: 09/22/2014
	Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2014	Source: Department of the Navy
Date Data Arrived at EDR: 05/30/2014	Telephone: 843-820-7326
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 05/19/2014
Number of Days to Update: 18	Next Scheduled EDR Contact: 09/01/2014
	Data Release Frequency: Varies

Federal ERNS list

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: 09/30/2013	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 10/01/2013	Telephone: 202-267-2180
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 07/03/2014
Number of Days to Update: 66	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Annually

State- and tribal - equivalent NPL

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: 06/05/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/06/2014	Telephone: 916-323-3400
Date Made Active in Reports: 07/09/2014	Last EDR Contact: 06/06/2014
Number of Days to Update: 33	Next Scheduled EDR Contact: 08/18/2014
	Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

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: 06/05/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/06/2014	Telephone: 916-323-3400
Date Made Active in Reports: 07/09/2014	Last EDR Contact: 06/06/2014
Number of Days to Update: 33	Next Scheduled EDR Contact: 08/18/2014
	Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

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: 05/19/2014	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 05/20/2014	Telephone: 916-341-6320
Date Made Active in Reports: 05/22/2014	Last EDR Contact: 05/20/2014
Number of Days to Update: 2	Next Scheduled EDR Contact: 09/01/2014
	Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calaveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/17/2011
	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: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

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: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

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: 510-622-2433
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

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: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

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. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 06/16/2014	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/17/2014	Telephone: see region list
Date Made Active in Reports: 07/10/2014	Last EDR Contact: 06/17/2014
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/29/2014
	Data Release Frequency: Quarterly

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

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: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	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	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 06/16/2014	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/17/2014	Telephone: 866-480-1028
Date Made Active in Reports: 07/11/2014	Last EDR Contact: 06/17/2014
Number of Days to Update: 24	Next Scheduled EDR Contact: 09/29/2014
	Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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: 08/01/2011
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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: 07/18/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/06/2013
Date Data Arrived at EDR: 11/07/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 29

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 05/12/2014
Date Data Arrived at EDR: 05/12/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 36

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

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: 03/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

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: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 184

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/28/2014
Date Data Arrived at EDR: 05/01/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 47

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/14/2014
Date Data Arrived at EDR: 05/15/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 61

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/20/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/24/2014	Source: EPA Region 4
Date Data Arrived at EDR: 04/25/2014	Telephone: 404-562-8677
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 04/22/2014
Number of Days to Update: 53	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Semi-Annually

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: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6271
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/22/2014
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/16/2014	Source: SWRCB
Date Data Arrived at EDR: 06/17/2014	Telephone: 916-341-5851
Date Made Active in Reports: 07/10/2014	Last EDR Contact: 06/17/2014
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/29/2014
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 07/18/2014
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/20/2014
	Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013	Source: EPA, Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 01/27/2014	Last EDR Contact: 05/02/2014
Number of Days to Update: 271	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/24/2014	Source: EPA Region 4
Date Data Arrived at EDR: 04/25/2014	Telephone: 404-562-9424
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 04/22/2014
Number of Days to Update: 53	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 05/12/2014	Source: EPA Region 5
Date Data Arrived at EDR: 05/12/2014	Telephone: 312-886-6136
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 36	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/14/2014	Source: EPA Region 6
Date Data Arrived at EDR: 05/15/2014	Telephone: 214-665-7591
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 33	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/28/2014	Source: EPA Region 7
Date Data Arrived at EDR: 05/01/2014	Telephone: 913-551-7003
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 47	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/07/2014	Source: EPA Region 8
Date Data Arrived at EDR: 05/09/2014	Telephone: 303-312-6137
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 39	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/04/2014	Source: EPA Region 10
Date Data Arrived at EDR: 04/08/2014	Telephone: 206-553-2857
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 70	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/12/2014	Source: EPA Region 9
Date Data Arrived at EDR: 05/14/2014	Telephone: 415-972-3368
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/08/2014
Number of Days to Update: 55	Next Scheduled EDR Contact: 10/27/2014
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 03/20/2014	Source: EPA, Region 1
Date Data Arrived at EDR: 04/01/2014	Telephone: 617-918-1102
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 07/01/2014
Number of Days to Update: 77	Next Scheduled EDR Contact: 10/13/2014
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

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: 06/05/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/06/2014	Telephone: 916-323-3400
Date Made Active in Reports: 07/09/2014	Last EDR Contact: 06/06/2014
Number of Days to Update: 33	Next Scheduled EDR Contact: 08/18/2014
	Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/03/2014	Telephone: 202-566-2777
Date Made Active in Reports: 07/28/2014	Last EDR Contact: 07/03/2014
Number of Days to Update: 25	Next Scheduled EDR Contact: 10/06/2014
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/25/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 06/16/2014
Date Data Arrived at EDR: 06/17/2014
Date Made Active in Reports: 07/11/2014
Number of Days to Update: 24

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/17/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 02/20/2014
Date Made Active in Reports: 03/27/2014
Number of Days to Update: 35

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/19/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 05/07/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/28/2014	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 06/20/2014	Telephone: 202-307-1000
Date Made Active in Reports: 07/15/2014	Last EDR Contact: 06/04/2014
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/15/2014
	Data Release Frequency: Quarterly

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: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 06/05/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/06/2014	Telephone: 916-323-3400
Date Made Active in Reports: 07/09/2014	Last EDR Contact: 06/06/2014
Number of Days to Update: 33	Next Scheduled EDR Contact: 08/18/2014
	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: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

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: 12/31/2013	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/28/2014	Telephone: 916-255-6504
Date Made Active in Reports: 03/20/2014	Last EDR Contact: 07/14/2014
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/27/2014
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/28/2014	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 06/20/2014	Telephone: 202-307-1000
Date Made Active in Reports: 07/15/2014	Last EDR Contact: 06/04/2014
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/15/2014
	Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

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

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009	Source: Department of Public Health
Date Data Arrived at EDR: 09/23/2009	Telephone: 707-463-4466
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 06/02/2014
Number of Days to Update: 8	Next Scheduled EDR Contact: 09/15/2014
	Data Release Frequency: 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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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 1990'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

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 05/05/2014
Date Data Arrived at EDR: 05/06/2014
Date Made Active in Reports: 05/19/2014
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/09/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

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: 06/09/2014
Date Data Arrived at EDR: 06/11/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 28

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 06/11/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/31/2014
Date Data Arrived at EDR: 04/01/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 105

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Annually

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: 02/04/2014
Date Data Arrived at EDR: 04/29/2014
Date Made Active in Reports: 05/09/2014
Number of Days to Update: 10

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 06/16/2014
Date Data Arrived at EDR: 06/17/2014
Date Made Active in Reports: 07/10/2014
Number of Days to Update: 23

Source: State Water Quality Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/17/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 06/16/2014	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/17/2014	Telephone: 866-480-1028
Date Made Active in Reports: 07/10/2014	Last EDR Contact: 06/17/2014
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/29/2014
	Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

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. 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). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/11/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/13/2014	Telephone: (415) 495-8895
Date Made Active in Reports: 04/09/2014	Last EDR Contact: 07/02/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 10/13/2014
	Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 05/06/2014
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/18/2014
	Data Release Frequency: Varies

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: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/18/2014
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/27/2014
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 55

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/04/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

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: 12/31/2013
Date Data Arrived at EDR: 01/24/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 31

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/30/2014
Next Scheduled EDR Contact: 10/13/2014
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: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/10/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/25/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

US 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: 01/30/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 132

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/06/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Semi-Annually

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: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/30/2014
Next Scheduled EDR Contact: 09/08/2014
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/06/2014
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: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
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: 05/06/2014
Date Data Arrived at EDR: 05/16/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/09/2014
Next Scheduled EDR Contact: 10/27/2014
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: 06/01/2013
Date Data Arrived at EDR: 07/17/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 107

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
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: 07/22/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 06/05/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/07/2014
Date Data Arrived at EDR: 07/10/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 18

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/10/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

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: 11/18/2013
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 13

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/13/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/23/2014	Telephone: 202-564-8600
Date Made Active in Reports: 07/28/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 66	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Varies

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: 12/31/2011	Source: EPA/NTIS
Date Data Arrived at EDR: 02/26/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 05/30/2014
Number of Days to Update: 52	Next Scheduled EDR Contact: 09/08/2014
	Data Release Frequency: Biennially

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

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 01/15/2014	Source: Department of Conservation
Date Data Arrived at EDR: 03/18/2014	Telephone: 916-445-2408
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 06/20/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 09/29/2014
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/19/2014	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/20/2014	Telephone: 916-445-9379
Date Made Active in Reports: 05/28/2014	Last EDR Contact: 05/20/2014
Number of Days to Update: 8	Next Scheduled EDR Contact: 09/01/2014
	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).

Date of Government Version: 06/30/2014	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 07/01/2014	Telephone: 916-323-3400
Date Made Active in Reports: 07/28/2014	Last EDR Contact: 07/01/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 10/13/2014
	Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CAL SITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

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: 06/17/2014
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/06/2014
	Data Release Frequency: No Update Planned

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: 09/10/2013	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 09/11/2013	Telephone: 916-327-4498
Date Made Active in Reports: 10/16/2013	Last EDR Contact: 06/09/2014
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/22/2014
	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: 07/03/2009	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 06/25/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 10/13/2014
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 05/30/2014	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/30/2014	Telephone: 916-445-9379
Date Made Active in Reports: 07/07/2014	Last EDR Contact: 07/25/2014
Number of Days to Update: 38	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Varies

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: 12/31/2012	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/16/2013	Telephone: 916-255-1136
Date Made Active in Reports: 08/26/2013	Last EDR Contact: 07/18/2014
Number of Days to Update: 41	Next Scheduled EDR Contact: 10/27/2014
	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: 12/31/2012	Source: California Air Resources Board
Date Data Arrived at EDR: 03/25/2014	Telephone: 916-322-2990
Date Made Active in Reports: 04/28/2014	Last EDR Contact: 06/26/2014
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/06/2014
	Data Release Frequency: Varies

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: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/18/2014
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/27/2014
	Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 07/25/2014
Number of Days to Update: 54	Next Scheduled EDR Contact: 11/03/2014
	Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administered lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: N/A

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Annually

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/16/2014
Date Data Arrived at EDR: 06/17/2014
Date Made Active in Reports: 07/10/2014
Number of Days to Update: 23

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/17/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 05/05/2014
Date Data Arrived at EDR: 05/14/2014
Date Made Active in Reports: 05/22/2014
Number of Days to Update: 8

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/25/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/19/2014
Date Data Arrived at EDR: 05/20/2014
Date Made Active in Reports: 05/22/2014
Number of Days to Update: 2

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/19/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/19/2014
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 38

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 05/16/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Quarterly

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013	Source: EPA
Date Data Arrived at EDR: 07/03/2013	Telephone: 202-564-6023
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 07/01/2014
Number of Days to Update: 72	Next Scheduled EDR Contact: 10/13/2014
	Data Release Frequency: Quarterly

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/23/2013	Source: EPA
Date Data Arrived at EDR: 11/06/2013	Telephone: 202-564-2496
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 06/25/2014
Number of Days to Update: 30	Next Scheduled EDR Contact: 10/13/2014
	Data Release Frequency: Annually

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/04/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/12/2014	Telephone: 703-603-8787
Date Made Active in Reports: 07/28/2014	Last EDR Contact: 07/01/2014
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/20/2014
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 03/14/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/11/2014	Telephone: N/A
Date Made Active in Reports: 07/28/2014	Last EDR Contact: 06/11/2014
Number of Days to Update: 47	Next Scheduled EDR Contact: 09/22/2014
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 05/02/2014
Number of Days to Update: 83	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 05/16/2014
Number of Days to Update: 88	Next Scheduled EDR Contact: 08/25/2014
	Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/23/2014	Source: Department of Public Health
Date Data Arrived at EDR: 06/13/2014	Telephone: 916-558-1784
Date Made Active in Reports: 07/09/2014	Last EDR Contact: 06/09/2014
Number of Days to Update: 26	Next Scheduled EDR Contact: 09/22/2014
	Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 07/18/2014
Number of Days to Update: 76	Next Scheduled EDR Contact: 10/27/2014
	Data Release Frequency: Varies

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/14/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 07/15/2014	Telephone: 916-440-7145
Date Made Active in Reports: 07/28/2014	Last EDR Contact: 07/15/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 10/27/2014
	Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/27/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/28/2014	Telephone: 916-323-3400
Date Made Active in Reports: 07/07/2014	Last EDR Contact: 05/28/2014
Number of Days to Update: 40	Next Scheduled EDR Contact: 09/08/2014
	Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/16/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive 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. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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 US Hist Cleaners: EDR Exclusive 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. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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 RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/13/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 196	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	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: 04/22/2014	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 04/24/2014	Telephone: 510-567-6700
Date Made Active in Reports: 05/09/2014	Last EDR Contact: 06/30/2014
Number of Days to Update: 15	Next Scheduled EDR Contact: 10/13/2014
	Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/22/2014	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 04/24/2014	Telephone: 510-567-6700
Date Made Active in Reports: 05/12/2014	Last EDR Contact: 06/30/2014
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/13/2014
	Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 07/23/2014	Source: Amador County Environmental Health
Date Data Arrived at EDR: 06/26/2014	Telephone: 209-223-6439
Date Made Active in Reports: 07/25/2014	Last EDR Contact: 06/19/2014
Number of Days to Update: 29	Next Scheduled EDR Contact: 09/22/2014
	Data Release Frequency: Varies

BUTTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 20

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing

Cupa Facility Listing

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 04/03/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 26

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/26/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 06/11/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 24

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 05/30/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/24/2014
Date Data Arrived at EDR: 02/25/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 21

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/05/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List

Cupa Facility list

Date of Government Version: 05/05/2014
Date Data Arrived at EDR: 05/06/2014
Date Made Active in Reports: 05/13/2014
Number of Days to Update: 7

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/05/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

EL DORADO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

CUPA facility list.

Date of Government Version: 05/29/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 38

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/05/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

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: 03/31/2014
Date Data Arrived at EDR: 04/15/2014
Date Made Active in Reports: 05/01/2014
Number of Days to Update: 16

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/11/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/11/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 26

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 04/28/2014
Date Data Arrived at EDR: 04/30/2014
Date Made Active in Reports: 05/13/2014
Number of Days to Update: 13

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/25/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

KERN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/12/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/28/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 06/20/2014
Number of Days to Update: 21

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/27/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 04/22/2014
Date Data Arrived at EDR: 04/24/2014
Date Made Active in Reports: 05/13/2014
Number of Days to Update: 19

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Varies

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: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 06/19/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/31/2014
Date Data Arrived at EDR: 06/06/2014
Date Made Active in Reports: 07/17/2014
Number of Days to Update: 41

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/21/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/21/2014
Date Data Arrived at EDR: 04/22/2014
Date Made Active in Reports: 05/19/2014
Number of Days to Update: 27

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/21/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/07/2014
Date Data Arrived at EDR: 02/25/2014
Date Made Active in Reports: 03/25/2014
Number of Days to Update: 28

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/16/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 04/23/2014
Date Data Arrived at EDR: 04/25/2014
Date Made Active in Reports: 05/22/2014
Number of Days to Update: 27

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 02/25/2014
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 04/14/2014
Number of Days to Update: 46

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/25/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/13/2014
Date Data Arrived at EDR: 03/27/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 32

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/25/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/11/2014
Date Made Active in Reports: 06/27/2014
Number of Days to Update: 16

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 01/03/2014
Date Data Arrived at EDR: 01/09/2014
Date Made Active in Reports: 02/12/2014
Number of Days to Update: 34

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 05/27/2014
Date Data Arrived at EDR: 05/29/2014
Date Made Active in Reports: 06/24/2014
Number of Days to Update: 26

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/27/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 06/27/2014
Number of Days to Update: 14

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 06/02/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/11/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 28

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/30/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/30/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 11/06/2013
Date Data Arrived at EDR: 11/07/2013
Date Made Active in Reports: 12/04/2013
Number of Days to Update: 27

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/13/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2014
Date Data Arrived at EDR: 05/15/2014
Date Made Active in Reports: 05/22/2014
Number of Days to Update: 7

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2014
Next Scheduled EDR Contact: 08/28/2014
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2014
Date Data Arrived at EDR: 05/15/2014
Date Made Active in Reports: 05/28/2014
Number of Days to Update: 13

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2014
Date Data Arrived at EDR: 05/14/2014
Date Made Active in Reports: 05/21/2014
Number of Days to Update: 7

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

PLACER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/10/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 29

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 06/09/2014
Next Scheduled EDR Contact: 09/22/2014
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: 07/08/2014
Date Data Arrived at EDR: 07/11/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 17

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/23/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 04/15/2014
Date Data Arrived at EDR: 04/17/2014
Date Made Active in Reports: 05/09/2014
Number of Days to Update: 22

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/23/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/06/2014
Date Data Arrived at EDR: 04/08/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 21

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/11/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/05/2014
Date Data Arrived at EDR: 07/17/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 11

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/30/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 38

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/12/2014
Next Scheduled EDR Contact: 08/25/2014
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: 09/23/2013
Date Data Arrived at EDR: 09/24/2013
Date Made Active in Reports: 10/17/2013
Number of Days to Update: 23

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/09/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2013
Date Data Arrived at EDR: 11/19/2013
Date Made Active in Reports: 12/31/2013
Number of Days to Update: 42

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 06/04/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 05/09/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 05/09/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/20/2014
Date Data Arrived at EDR: 06/23/2014
Date Made Active in Reports: 07/11/2014
Number of Days to Update: 18

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/19/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/11/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 26

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 06/09/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/03/2014
Date Data Arrived at EDR: 04/04/2014
Date Made Active in Reports: 05/01/2014
Number of Days to Update: 27

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/16/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/16/2014
Date Data Arrived at EDR: 06/19/2014
Date Made Active in Reports: 07/10/2014
Number of Days to Update: 21

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/13/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/02/2014
Date Data Arrived at EDR: 06/03/2014
Date Made Active in Reports: 06/23/2014
Number of Days to Update: 20

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 06/02/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Varies

HIST LUST - 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: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 06/02/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/12/2014
Date Data Arrived at EDR: 05/19/2014
Date Made Active in Reports: 05/28/2014
Number of Days to Update: 9

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/12/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 05/27/2014
Date Data Arrived at EDR: 05/28/2014
Date Made Active in Reports: 06/20/2014
Number of Days to Update: 23

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/27/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 06/12/2014
Date Made Active in Reports: 06/20/2014
Number of Days to Update: 8

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

SOLANO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/19/2014
Date Data Arrived at EDR: 06/26/2014
Date Made Active in Reports: 07/25/2014
Number of Days to Update: 29

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/13/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 06/19/2014
Date Data Arrived at EDR: 06/26/2014
Date Made Active in Reports: 07/25/2014
Number of Days to Update: 29

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/13/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List

Cupa Facility list

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/02/2014
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 40

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/26/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 07/03/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 25

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/26/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/11/2014
Date Made Active in Reports: 07/17/2014
Number of Days to Update: 36

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 06/09/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 05/16/2014
Date Data Arrived at EDR: 05/16/2014
Date Made Active in Reports: 06/13/2014
Number of Days to Update: 28

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/25/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

VENTURA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/28/2014	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 05/20/2014	Telephone: 805-654-2813
Date Made Active in Reports: 05/27/2014	Last EDR Contact: 05/16/2014
Number of Days to Update: 7	Next Scheduled EDR Contact: 09/01/2014
	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: 12/01/2011	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 07/01/2014
Number of Days to Update: 49	Next Scheduled EDR Contact: 10/13/2014
	Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 05/16/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 09/01/2014
	Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 04/28/2014	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 04/30/2014	Telephone: 805-654-2813
Date Made Active in Reports: 05/19/2014	Last EDR Contact: 07/28/2014
Number of Days to Update: 19	Next Scheduled EDR Contact: 11/10/2014
	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: 05/27/2014	Source: Environmental Health Division
Date Data Arrived at EDR: 06/17/2014	Telephone: 805-654-2813
Date Made Active in Reports: 07/11/2014	Last EDR Contact: 06/16/2014
Number of Days to Update: 24	Next Scheduled EDR Contact: 09/29/2014
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 04/01/2014	Source: Yolo County Department of Health
Date Data Arrived at EDR: 04/08/2014	Telephone: 530-666-8646
Date Made Active in Reports: 05/05/2014	Last EDR Contact: 06/19/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 10/06/2014
	Data Release Frequency: Annually

YUBA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 05/19/2014
Date Data Arrived at EDR: 05/22/2014
Date Made Active in Reports: 06/19/2014
Number of Days to Update: 28

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 05/19/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

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: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/23/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/17/2014
Next Scheduled EDR Contact: 10/27/2014
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: 05/01/2014
Date Data Arrived at EDR: 05/07/2014
Date Made Active in Reports: 06/10/2014
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/07/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/24/2013
Date Made Active in Reports: 08/19/2013
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/05/2013
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/27/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012

Date Data Arrived at EDR: 08/09/2013

Date Made Active in Reports: 09/27/2013

Number of Days to Update: 49

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 06/16/2014

Next Scheduled EDR Contact: 09/29/2014

Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

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 2003 & 2011 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, 2005 and 2010 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

HERITAGE RIDGE
LOS CARNEROS ROAD AND CALLE KORAL
GOLETA, CA 93117

TARGET PROPERTY COORDINATES

Latitude (North):	34.4357 - 34° 26' 8.52"
Longitude (West):	119.8515 - 119° 51' 5.40"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	237977.0
UTM Y (Meters):	3813960.2
Elevation:	36 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	34119-D7 GOLETA, CA
Most Recent Revision:	1988

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 principal 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).

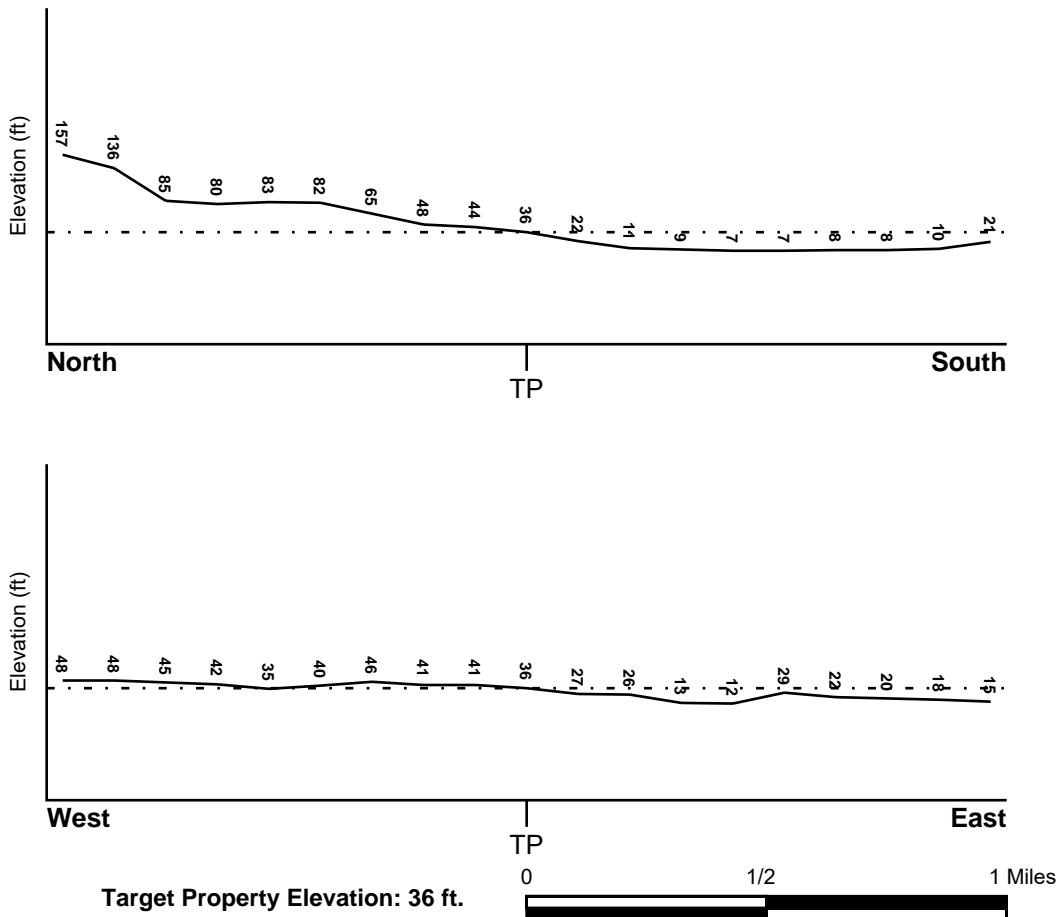
TOPOGRAPHIC INFORMATION

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 SSE

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> SANTA BARBARA, CA	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
--	--

Flood Plain Panel at Target Property: 06083C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> GOLETA	NWI Electronic <u>Data Coverage</u> 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>
B10	1/4 - 1/2 Mile SE	SE
D15	1/4 - 1/2 Mile SE	S
D18	1/4 - 1/2 Mile SSE	W
G22	1/4 - 1/2 Mile SSW	SSW
M56	1/2 - 1 Mile East	Not Reported
Q71	1/2 - 1 Mile ESE	S
U79	1/2 - 1 Mile WSW	SE

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

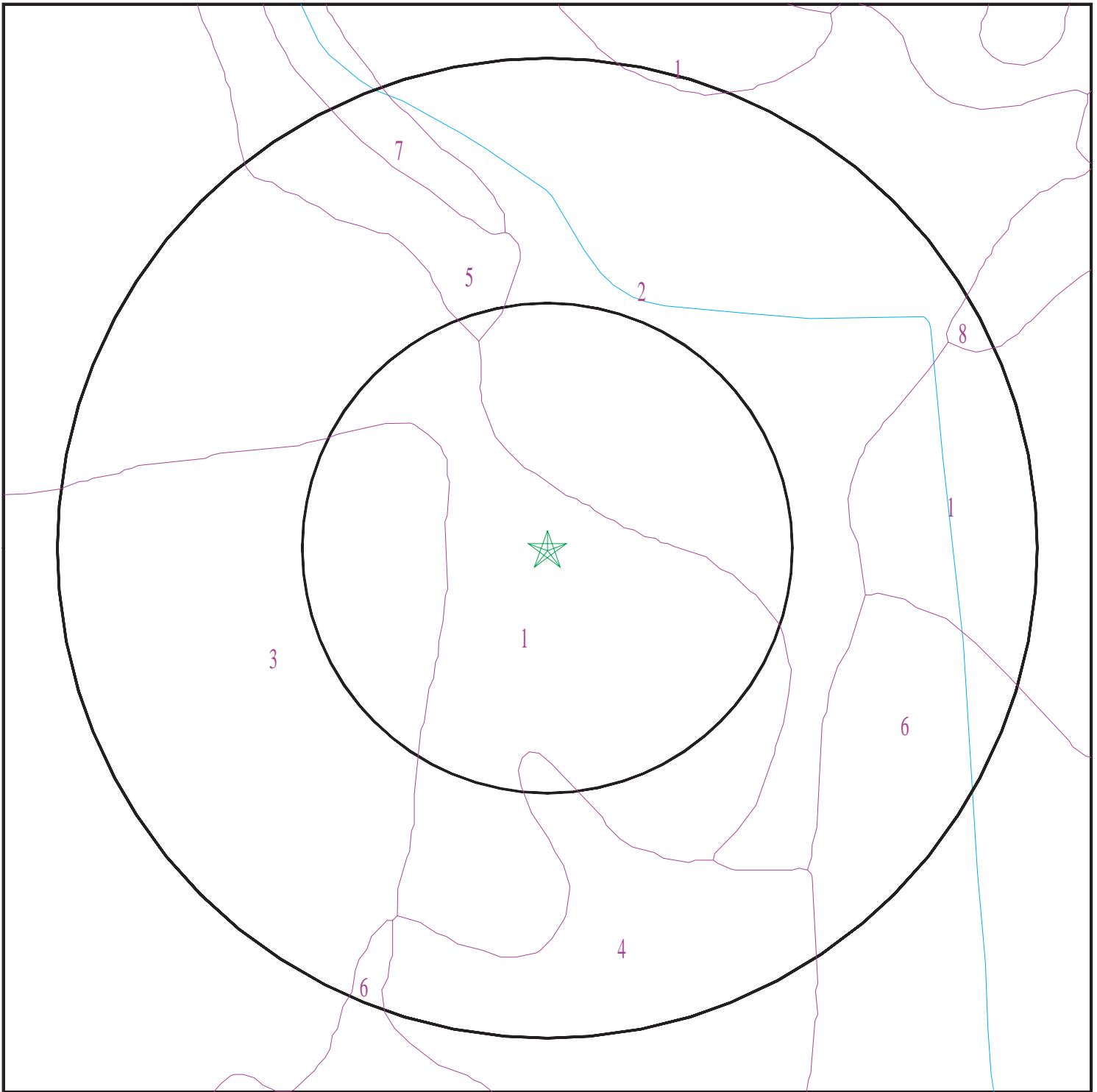
Era:	Cenozoic
System:	Tertiary
Series:	Miocene
Code:	Tm (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

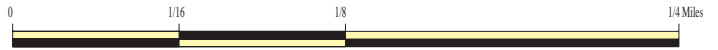
Category: Stratified Sequence

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).

SSURGO SOIL MAP - 4020046.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Heritage Ridge
ADDRESS: Los Carneros Road and Calle Koral
Goleta CA 93117
LAT/LONG: 34.4357 / 119.8515

CLIENT: Property Solutions, Inc.
CONTACT: Rebecca Ludwig
INQUIRY #: 4020046.2s
DATE: July 29, 2014 8:36 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Milpitas

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	25 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.8 Min: 5.6
2	25 inches	53 inches	gravelly clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 0.42 Min: 0.01	Max: 7.8 Min: 5.6
3	53 inches	68 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141 Min: 42	Max: 7.8 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Goleta

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	29 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.8 Min: 6.6
2	29 inches	40 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 6.6
3	40 inches	55 inches	stratified loamy sand to clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 6.6
4	55 inches	72 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.8 Min: 6.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 3

Soil Component Name: Xerorthents

Soil Surface Texture: variable

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 4

Soil Component Name: Camarillo

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 91 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	18 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	18 inches	57 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.9

Soil Map ID: 5

Soil Component Name: Diablo

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	50 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	50 inches	53 inches	weathered bedrock	Not reported	Not reported	Max: 1.4 Min: 0	Max: Min:

Soil Map ID: 6

Soil Component Name: Aquents

Soil Surface Texture: variable

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 122 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	59 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 7

Soil Component Name: Gullied land

Soil Surface Texture: variable

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 8

Soil Component Name: Milpitas

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.8 Min: 5.6
2	14 inches	53 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.42 Min: 0.01	Max: 7.8 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	53 inches	68 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141 Min: 42	Max: 7.8 Min: 5.6

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>
A1	USGS40000144377	0 - 1/8 Mile West
2	USGS40000144398	0 - 1/8 Mile East
A3	USGS40000144410	1/8 - 1/4 Mile WNW
4	USGS40000144525	1/8 - 1/4 Mile NNE
5	USGS40000144317	1/8 - 1/4 Mile WSW
6	USGS40000144565	1/8 - 1/4 Mile NNW
B7	USGS40000144287	1/8 - 1/4 Mile SE
8	USGS40000144476	1/8 - 1/4 Mile WNW
C9	USGS40000144237	1/4 - 1/2 Mile South
D11	USGS40000144241	1/4 - 1/2 Mile SSE
E12	USGS40000144242	1/4 - 1/2 Mile SW
C13	USGS40000144226	1/4 - 1/2 Mile South
F14	USGS40000144623	1/4 - 1/2 Mile NNE
E16	USGS40000144230	1/4 - 1/2 Mile SSW
C17	USGS40000144206	1/4 - 1/2 Mile South

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
19	USGS40000144399	1/4 - 1/2 Mile West
20	USGS40000144186	1/4 - 1/2 Mile South
F21	USGS40000144660	1/4 - 1/2 Mile North
23	USGS40000144590	1/4 - 1/2 Mile NW
24	USGS40000144288	1/4 - 1/2 Mile WSW
H25	USGS40000144548	1/4 - 1/2 Mile WNW
H26	USGS40000144526	1/4 - 1/2 Mile WNW
G27	USGS40000144132	1/4 - 1/2 Mile South
I29	USGS40000144425	1/4 - 1/2 Mile East
I31	USGS40000144494	1/4 - 1/2 Mile ENE
33	USGS40000144243	1/4 - 1/2 Mile SW
34	USGS40000144611	1/4 - 1/2 Mile NW
35	USGS40000144746	1/4 - 1/2 Mile North
J36	USGS40000144207	1/4 - 1/2 Mile SW
K38	USGS40000144258	1/4 - 1/2 Mile ESE
39	USGS40000144363	1/4 - 1/2 Mile East
40	USGS40000144185	1/4 - 1/2 Mile SE
41	USGS40000144575	1/4 - 1/2 Mile ENE
L42	USGS40000144685	1/4 - 1/2 Mile NW
K43	USGS40000144251	1/4 - 1/2 Mile ESE
K44	USGS40000144252	1/4 - 1/2 Mile ESE
K45	USGS40000144250	1/4 - 1/2 Mile ESE
M46	USGS40000144468	1/4 - 1/2 Mile East
47	USGS40000144792	1/2 - 1 Mile NNE
M51	USGS40000144438	1/2 - 1 Mile East
M52	USGS40000144439	1/2 - 1 Mile East
L55	USGS40000144721	1/2 - 1 Mile NW
57	USGS40000144589	1/2 - 1 Mile ENE
58	USGS40000144698	1/2 - 1 Mile NE
O60	USGS40000144576	1/2 - 1 Mile WNW
P61	USGS40000144475	1/2 - 1 Mile East
P62	USGS40000144493	1/2 - 1 Mile ENE
63	USGS40000144823	1/2 - 1 Mile NE
P64	USGS40000144505	1/2 - 1 Mile ENE
67	USGS40000144684	1/2 - 1 Mile ENE
68	USGS40000144266	1/2 - 1 Mile ESE
69	USGS40000144259	1/2 - 1 Mile WSW
R72	USGS40000144504	1/2 - 1 Mile East
Q73	USGS40000144275	1/2 - 1 Mile East
S74	USGS40000143955	1/2 - 1 Mile SSW
R75	USGS40000144547	1/2 - 1 Mile ENE
T76	USGS40000144331	1/2 - 1 Mile West
T77	USGS40000144332	1/2 - 1 Mile West
S78	USGS40000143956	1/2 - 1 Mile SSW
V80	USGS40000144253	1/2 - 1 Mile WSW
W81	USGS40000143981	1/2 - 1 Mile SSW
S82	USGS40000143950	1/2 - 1 Mile SSW
U84	USGS40000144187	1/2 - 1 Mile WSW
R85	USGS40000144474	1/2 - 1 Mile East
V86	USGS40000144260	1/2 - 1 Mile WSW
Y87	USGS40000144274	1/2 - 1 Mile East
88	USGS40000144303	1/2 - 1 Mile East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
X90	USGS40000144779	1/2 - 1 Mile ENE
W91	USGS40000143957	1/2 - 1 Mile SSW
92	USGS40000144622	1/2 - 1 Mile ENE
AA96	USGS40000143887	1/2 - 1 Mile South
AA97	USGS40000143888	1/2 - 1 Mile South
AB100	USGS40000144564	1/2 - 1 Mile ENE
AB101	USGS40000144563	1/2 - 1 Mile ENE
Y102	USGS40000144282	1/2 - 1 Mile East
AC103	USGS40000144101	1/2 - 1 Mile WSW
AC104	USGS40000144120	1/2 - 1 Mile WSW
AD105	USGS40000144777	1/2 - 1 Mile ENE
AD106	USGS40000144778	1/2 - 1 Mile ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
G28	CADW50000005988	1/4 - 1/2 Mile South
I30	CADW50000006068	1/4 - 1/2 Mile East
32	4725	1/4 - 1/2 Mile NNW
J37	CADW50000006003	1/4 - 1/2 Mile SW
M48	CADW50000006067	1/2 - 1 Mile East
M49	CADW50000006076	1/2 - 1 Mile East
M50	CADW50000006071	1/2 - 1 Mile East
N53	4686	1/2 - 1 Mile ESE
N54	4722	1/2 - 1 Mile ESE
O59	CADW50000006119	1/2 - 1 Mile WNW
65	4726	1/2 - 1 Mile NNW
66	4690	1/2 - 1 Mile East
70	4728	1/2 - 1 Mile WNW
X83	CADW50000006171	1/2 - 1 Mile ENE
Y89	CADW50000006024	1/2 - 1 Mile East
93	4729	1/2 - 1 Mile WNW
Z94	4730	1/2 - 1 Mile West
Z95	4731	1/2 - 1 Mile West
AB98	CADW50000006117	1/2 - 1 Mile ENE
AB99	CADW50000006118	1/2 - 1 Mile ENE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

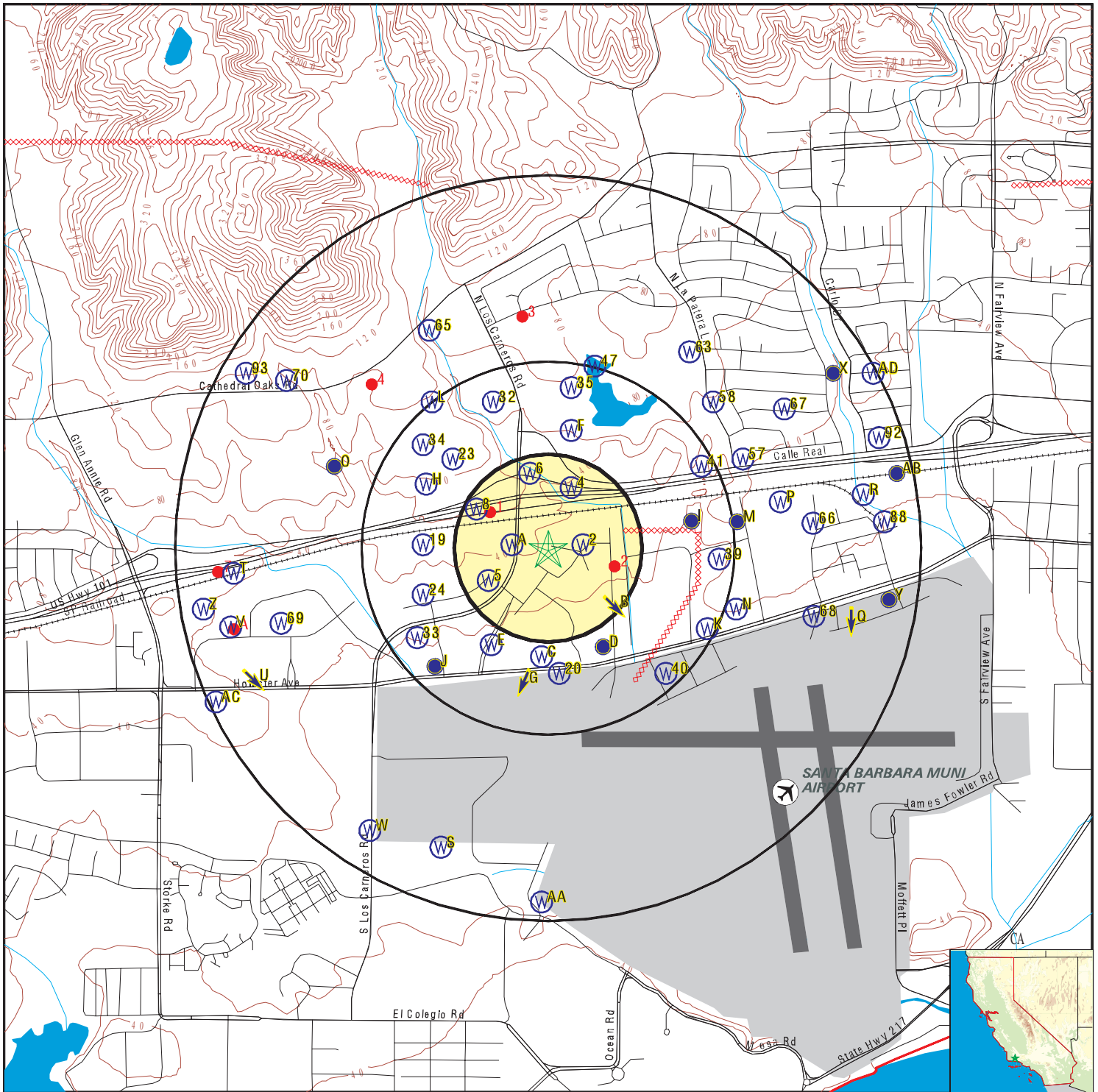
MAP ID	WELL ID	LOCATION FROM TP
1	CAOG9A000045194	1/8 - 1/4 Mile WNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
2	CAOG9A000045002	1/8 - 1/4 Mile ESE
3	CAOG9A000045491	1/2 - 1 Mile North
4	CAOG9A000045408	1/2 - 1 Mile NW
A5	CAOG9A000044667	1/2 - 1 Mile WSW
A6	CAOG9A000044780	1/2 - 1 Mile WSW
7	CAOG9A000044978	1/2 - 1 Mile West

PHYSICAL SETTING SOURCE MAP - 4020046.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- 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: Heritage Ridge
 ADDRESS: Los Carneros Road and Calle Koral
 Goleta CA 93117
 LAT/LONG: 34.4357 / 119.8515

CLIENT: Property Solutions, Inc.
 CONTACT: Rebecca Ludwig
 INQUIRY #: 4020046.2s
 DATE: July 29, 2014 8:36 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A1
West
0 - 1/8 Mile
Higher

FED USGS USGS40000144377

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342608119510601		
Monloc name:	004N028W07Q001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4355512
Longitude:	-119.852639	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	39.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1938-05-06	24.0				

Note: Other conditions existed that would affect the measured water level.

1938-05-01 24.00

2
East
0 - 1/8 Mile
Lower

FED USGS USGS40000144398

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342609119505601		
Monloc name:	004N028W07Q003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.435829
Longitude:	-119.8498612	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	17.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	405
Welldepth units:	ft	Wellholedepth:	405
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

A3
WNW
1/8 - 1/4 Mile
Higher

FED USGS USGS40000144410

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342610119511001		
Monloc name:	004N028W07P001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4361067
Longitude:	-119.8537501	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	27.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	515
Welldepth units:	ft	Wellholedepth:	515
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

4
NNE
1/8 - 1/4 Mile
Higher

FED USGS USGS40000144525

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342617119505801		
Monloc name:	004N028W07Q002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4380512
Longitude:	-119.8504168	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	27.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	190
Welldepth units:	ft	Wellholedepth:	190
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

5
WSW
1/8 - 1/4 Mile
Lower

FED USGS USGS40000144317

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342604119511201		
Monloc name:	004N028W18C002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4344401
Longitude:	-119.8543057	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	26.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	225
Welldepth units:	ft	Wellholedepth:	225
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

6
NNW
1/8 - 1/4 Mile
Higher

FED USGS USGS40000144565

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342619119510501		
Monloc name:	004N028W07Q004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4386067
Longitude:	-119.8523613	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	46.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	124
Welldepth units:	ft	Wellholedepth:	124
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

B7
SE
1/8 - 1/4 Mile
Lower

FED USGS USGS40000144287

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342602119505101		
Monloc name:	004N028W18B001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4338847
Longitude:	-119.8484723	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	19
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19771206	Welldepth:	302
Welldepth units:	ft	Wellholedepth:	320
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 38

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1994-06-12	14.90		1993-12-14	15.42	
1993-06-17	15.54		1992-09-22	20.88	
1992-03-31	23.80		1992-01-23	23.45	
1991-10-28	23.10		1991-04-19	21.54	
1990-05-11	22.78		1990-03-14	22.82	
1990-01-03	24.72		1989-11-10	24.45	
1989-06-21	-1.0		1989-03-16	22.04	
1988-09-07	19.80		1988-06-07	19.66	
1988-04-04	19.80		1988-02-05	19.10	
1988-02-01	18.82		1987-12-03	19.51	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1987-10-06	22.08		1987-06-02	19.22	
1987-04-01	17.90		1987-02-03	19.17	
1986-12-01	23.55		1986-10-01	24.15	
1986-07-31	20.77		1986-06-02	19.93	
1986-04-02	17.53		1986-02-03	23.67	
1985-12-09	23.43		1985-10-03	34.60	
1985-08-05	22.83		1985-05-31	25.37	
1985-04-03	27.55		1985-02-05	24.30	
1984-10-30	34.78		1977-12-06	10.00	

8

**WNW
1/8 - 1/4 Mile
Higher**

FED USGS

USGS40000144476

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342614119511401		
Monloc name:	004N028W07P002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4372178
Longitude:	-119.8548613	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	57.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	175
Welldepth units:	ft	Wellholedepth:	175
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

C9

**South
1/4 - 1/2 Mile
Lower**

FED USGS

USGS40000144237

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342555119510401		
Monloc name:	004N028W18F002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4319402
Longitude:	-119.8520834	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure: 1	Horiz Acc measure units: seconds
Horiz Collection method: Interpolated from map	
Horiz coord refsys: NAD83	Vert measure val: 9.00
Vert measure units: feet	Vertacc measure val: 5.
Vert accmeasure units: feet	
Vertcollection method: Altimeter	
Vert coord refsys: NGVD29	Countrycode: US
Aquifername: California Coastal Basin aquifers	
Formation type: Not Reported	
Aquifer type: Not Reported	
Construction date: 19390908	Welldepth: 406
Welldepth units: ft	Wellholedepth: 412
Wellholedepth units: ft	

Ground-water levels, Number of Measurements: 63

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1977-11-02	0.00				
1976-03-04					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1976-02-03					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1976-01-08					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1975-12-04					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1975-11-11					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1975-10-09					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1975-09-09					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1975-08-08					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1975-07-11					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1975-06-05					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1975-05-06					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1975-04-14					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1975-02-06	0.82		1975-01-10	1.04	
1974-11-07					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1974-10-03					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1974-01-09					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1973-11-02	10.60		1973-10-05	-10.99	
1973-09-05	-10.97		1973-08-03	-10.65	
1973-07-05	-10.40		1973-06-05	-10.95	
1973-05-03	-10.20		1973-04-06	-10.25	
1973-03-06	-10.60		1973-02-06	-9.95	
1973-01-04	-8.20		1972-12-05	-8.50	
1972-11-03	-8.40		1972-10-04	-8.60	
1972-09-01	-9.00		1972-08-02	-8.90	
1972-07-05	-9.00		1972-06-02	-8.90	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1972-05-02	-9.17		1972-04-07	-10.55	
1972-03-02	-8.90		1972-02-02	-10.50	
1972-01-04	-10.40		1971-12-03	-9.05	
1971-11-02	-9.30		1971-10-04	-10.40	
1971-09-03					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1971-08-07					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1971-07-06					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1971-06-02					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1971-05-03					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1971-04-06					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1971-03-17					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1971-03-09					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1971-02-09					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1971-01-07					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1970-12-09					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1970-10-08					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1969-10-27	-5.00		1969-03-24	-6.00	
1968-10-08	-5.00		1968-03-20	-5.00	
1967-10-19	-5.00		1967-03-21	-3.00	
1946-05-24	35.00				

B10 SE 1/4 - 1/2 Mile Lower	Site ID:	50139		
	Groundwater Flow:	SE	AQUIFLOW	5458
	Shallow Water Depth:	10		
	Deep Water Depth:	40		
	Average Water Depth:	25		
	Date:	06/09/1989		

D11 SSE 1/4 - 1/2 Mile Lower			FED USGS	USGS40000144241
	Org. Identifier:	USGS-CA		
	Formal name:	USGS California Water Science Center		
	Monloc Identifier:	USGS-342556119505301		
	Monloc name:	004N028W18B002S		
	Monloc type:	Well		
Monloc desc:	Not Reported			
Huc code:	18060013	Drainagearea value:	Not Reported	
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported	
Contrib drainagearea units:	Not Reported	Latitude:	34.432218	
Longitude:	-119.8490278	Sourcemap scale:	24000	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19820325	Welldepth:	400
Welldepth units:	ft	Wellholedepth:	504
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 41

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1997-12-09	3.55		1997-06-24	3.15	
1996-12-19	4.56				
Note: The site was being pumped.					
1996-06-26	3.65				
1995-12-14	6.19				
Note: The site was being pumped.					
1995-07-26	3.95		1994-12-13	8.18	
1994-06-12	7.62		1993-12-14	8.02	
1993-06-17	8.83		1993-01-23	11.16	
1992-09-22	12.03		1992-05-27	12.25	
1992-03-31	12.43		1992-01-23	13.03	
1991-10-28	13.55		1991-04-19	14.78	
1990-10-03	14.16		1990-05-11	14.85	
1990-03-14	14.90		1990-01-03	19.79	
1989-11-10	16.44		1989-08-09	19.96	
1989-05-09	18.75		1989-03-16	13.66	
1988-12-05	11.18		1988-09-07	12.39	
1988-06-07	12.33		1988-04-04	12.39	
1988-02-01	11.41		1987-12-03	12.79	
1987-10-08	18.76		1987-06-02	11.39	
1987-04-01	10.07		1986-12-02	17.27	
1986-10-01	18.62		1986-09-04	14.24	
1986-07-31	14.15		1986-06-02	8.45	
1986-04-02	8.87		1986-03-20	8.97	

E12
SW
1/4 - 1/2 Mile
Lower

FED USGS USGS40000144242

Org. Identifier:	USGS-CA	Drainagearea value:	Not Reported
Formal name:	USGS California Water Science Center	Contrib drainagearea:	Not Reported
Monloc Identifier:	USGS-342556119511301	Latitude:	34.4322179
Monloc name:	004N028W18C001S	Sourcemap scale:	24000
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013		
Drainagearea Units:	Not Reported		
Contrib drainagearea units:	Not Reported		
Longitude:	-119.8545834		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	16.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	480
Welldepth units:	ft	Wellholedepth:	480
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

C13
South
1/4 - 1/2 Mile
Lower

FED USGS USGS40000144226

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342553119510301		
Monloc name:	004N028W18G003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4313846
Longitude:	-119.8518056	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	6.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Altimeter		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19280101	Welldepth:	357
Welldepth units:	ft	Wellholedepth:	357
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
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 1938-05-06 19.5

Note: Other conditions existed that would affect the measured water level.

1932-04-08 24.0

Note: Other conditions existed that would affect the measured water level.

F14
NNE
1/4 - 1/2 Mile
Higher

FED USGS USGS40000144623

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342624119505801		
Monloc name:	004N028W07K001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4399956
Longitude:	-119.8504169	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	47.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	250
Welldepth units:	ft	Wellholedepth:	250
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

D15 SE 1/4 - 1/2 Mile Lower	Site ID:	51691		
	Groundwater Flow:	S	AQUIFLOW	5444
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	11		
	Date:	01/23/1990		

E16 SSW 1/4 - 1/2 Mile Lower			FED USGS	USGS40000144230
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Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342554119511001		
Monloc name:	004N028W18C003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4316624
Longitude:	-119.85375	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10.00
Vert measure units:	feet	Vertacc measure val:	010
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type: Not Reported
 Construction date: 19761208 Welldepth: 270
 Welldepth units: ft Wellholedepth: 305
 Wellholedepth units: ft

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1977-06-28	9.99				
1976-12-08	10				

Note: Other conditions existed that would affect the measured water level.

C17
South
1/4 - 1/2 Mile
Lower

FED USGS USGS40000144206

Org. Identifier:	USGS-CA			
Formal name:	USGS California Water Science Center			
Monloc Identifier:	USGS-342552119510201			
Monloc name:	004N028W18G002S			
Monloc type:	Well			
Monloc desc:	Not Reported			
Huc code:	18060013		Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported		Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported		Latitude:	34.4311069
Longitude:	-119.8515278		Sourcemap scale:	24000
Horiz Acc measure:	1		Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map			
Horiz coord refsys:	NAD83		Vert measure val:	7.00
Vert measure units:	feet		Vertacc measure val:	10
Vert accmeasure units:	feet			
Vertcollection method:	Interpolated from topographic map			
Vert coord refsys:	NGVD29		Countrycode:	US
Aquifername:	California Coastal Basin aquifers			
Formation type:	Not Reported			
Aquifer type:	Not Reported			
Construction date:	Not Reported		Welldepth:	395
Welldepth units:	ft		Wellholedepth:	395
Wellholedepth units:	ft			

Ground-water levels, Number of Measurements: 228

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1963-12-23	1.80		1963-11-22	1.80	
1963-10-22	1.80		1963-09-24	1.80	
1963-08-30	1.80		1963-07-29	1.80	
1963-06-27	1.80		1963-05-30	1.80	
1963-04-30	1.80		1963-03-22	1.80	
1963-02-28	1.80		1963-01-24	1.80	
1962-12-27	1.80		1962-11-21	1.80	
1962-10-30	1.80		1962-09-21	1.80	
1962-08-30	1.80		1962-07-23	1.80	
1962-06-22	1.80		1962-05-30	1.80	
1962-04-26	1.80		1962-04-02	1.80	
1962-03-01	1.80		1962-01-19	0.88	
1961-12-26	0.50		1961-11-22	4.15	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1961-10-22	6.93				
1961-09-25	8.34				
Note: Other conditions existed that would affect the measured water level.					
1961-08-22	4.51		1961-07-27	6.93	
1961-06-29	2.77		1961-05-29	2.85	
1961-04-27	14.64				
Note: Other conditions existed that would affect the measured water level.					
1961-03-31	12.59				
Note: Other conditions existed that would affect the measured water level.					
1961-02-27	1.83		1961-01-27	1.83	
1960-11-25	1.80		1960-10-31	1.80	
1960-09-30	1.45		1960-08-30	0.65	
1960-07-29	8.23				
Note: Other conditions existed that would affect the measured water level.					
1960-06-23	0.27		1960-05-27	0.13	
1960-05-03	1.80		1960-03-29	5.50	
1960-02-24	1.03		1960-01-29	0.49	
1959-12-30	0.08				
1959-11-25	5.90				
Note: A nearby site that taps the same aquifer was being pumped.					
1959-10-29	1.94				
1959-09-25	14.46				
Note: Other conditions existed that would affect the measured water level.					
1959-08-24	15.34				
Note: Other conditions existed that would affect the measured water level.					
1959-07-31	15.88				
Note: Other conditions existed that would affect the measured water level.					
1959-06-25	1.83		1959-05-29	1.83	
1959-04-30	1.83		1959-04-03	1.83	
1959-02-25	1.68		1959-01-29	1.41	
1958-12-29	0.13		1958-11-28	0.46	
1958-10-30	1.45		1958-09-25	0.54	
1958-08-29	0.16		1958-07-30	0.02	
1958-06-24	0.70		1958-05-26	0.90	
1958-04-30	1.65		1958-03-28	3.01	
1958-02-28	3.92		1957-12-31	4.83	
1957-11-25	5.08		1957-10-28	5.18	
1957-10-02	5.32		1957-08-30	5.53	
1957-07-24	5.72		1957-06-28	5.24	
1957-05-31	5.92		1957-04-26	6.38	
1957-03-25	6.74				
1957-02-25	7.15				
Note: Other conditions existed that would affect the measured water level.					
1957-01-28	7.39				
Note: Other conditions existed that would affect the measured water level.					
1956-12-31	7.84				
Note: Other conditions existed that would affect the measured water level.					
1956-11-30	8.13				
Note: Other conditions existed that would affect the measured water level.					
1956-10-29	8.53				
Note: Other conditions existed that would affect the measured water level.					
1956-09-25	9.04				
Note: Other conditions existed that would affect the measured water level.					
1956-08-30	12.30				
Note: Other conditions existed that would affect the measured water level.					

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1956-07-24	9.20				
	Note: Other conditions existed that would affect the measured water level.				
1956-06-25	9.55				
	Note: Other conditions existed that would affect the measured water level.				
1956-05-28	9.81				
	Note: Other conditions existed that would affect the measured water level.				
1956-04-26	10.60				
	Note: Other conditions existed that would affect the measured water level.				
1956-03-29	11.19				
	Note: Other conditions existed that would affect the measured water level.				
1956-02-27	12.00				
	Note: Other conditions existed that would affect the measured water level.				
1955-12-29	12.94				
	Note: Other conditions existed that would affect the measured water level.				
1955-11-28	14.50				
	Note: Other conditions existed that would affect the measured water level.				
1955-10-27	14.80				
	Note: Other conditions existed that would affect the measured water level.				
1955-09-30	15.00				
	Note: Other conditions existed that would affect the measured water level.				
1955-08-29	16.05				
	Note: Other conditions existed that would affect the measured water level.				
1955-07-26	15.57				
	Note: Other conditions existed that would affect the measured water level.				
1955-06-28	15.25				
	Note: Other conditions existed that would affect the measured water level.				
1955-05-25	16.05				
	Note: Other conditions existed that would affect the measured water level.				
1955-04-29	16.43				
	Note: Other conditions existed that would affect the measured water level.				
1955-03-31	16.23				
	Note: Other conditions existed that would affect the measured water level.				
1955-02-25	17.19				
	Note: Other conditions existed that would affect the measured water level.				
1955-01-27	17.88				
	Note: Other conditions existed that would affect the measured water level.				
1954-12-30	18.44				
	Note: Other conditions existed that would affect the measured water level.				
1954-11-29	19.60				
	Note: Other conditions existed that would affect the measured water level.				
1954-10-26	20.85				
	Note: Other conditions existed that would affect the measured water level.				
1954-09-30	22.49				
	Note: Other conditions existed that would affect the measured water level.				
1954-08-26	22.88				
	Note: Other conditions existed that would affect the measured water level.				
1954-07-29	23.26				
	Note: Other conditions existed that would affect the measured water level.				
1954-06-28	21.58				
	Note: Other conditions existed that would affect the measured water level.				
1954-05-25	20.31				
	Note: Other conditions existed that would affect the measured water level.				
1954-04-30	20.49				
	Note: Other conditions existed that would affect the measured water level.				
1954-03-31	21.43				
	Note: Other conditions existed that would affect the measured water level.				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1954-02-25	21.82				
	Note: Other conditions existed that would affect the measured water level.				
1953-12-28	24.60				
	Note: Other conditions existed that would affect the measured water level.				
1953-11-23	23.75				
	Note: Other conditions existed that would affect the measured water level.				
1953-10-30	24.84				
	Note: Other conditions existed that would affect the measured water level.				
1953-09-28	25.07				
	Note: Other conditions existed that would affect the measured water level.				
1953-08-31	25.06				
	Note: Other conditions existed that would affect the measured water level.				
1953-07-29	34.21				
	Note: Other conditions existed that would affect the measured water level.				
1953-06-25	25.33				
	Note: Other conditions existed that would affect the measured water level.				
1953-05-28	25.22				
	Note: Other conditions existed that would affect the measured water level.				
1953-04-28	25.19				
	Note: Other conditions existed that would affect the measured water level.				
1953-03-31	25.19				
	Note: Other conditions existed that would affect the measured water level.				
1953-02-25	25.68				
	Note: Other conditions existed that would affect the measured water level.				
1952-12-31	26.76				
	Note: Other conditions existed that would affect the measured water level.				
1952-11-28	28.17				
	Note: Other conditions existed that would affect the measured water level.				
1952-10-29	28.85				
	Note: Other conditions existed that would affect the measured water level.				
1952-09-30	29.90				
	Note: Other conditions existed that would affect the measured water level.				
1952-08-28	30.56				
	Note: Other conditions existed that would affect the measured water level.				
1952-07-31	30.75				
	Note: Other conditions existed that would affect the measured water level.				
1952-06-26	29.55				
	Note: Other conditions existed that would affect the measured water level.				
1952-05-29	29.33				
	Note: Other conditions existed that would affect the measured water level.				
1952-03-31	28.58				
	Note: Other conditions existed that would affect the measured water level.				
1952-02-26	30.66				
	Note: Other conditions existed that would affect the measured water level.				
1951-12-24	32.30				
	Note: Other conditions existed that would affect the measured water level.				
1951-11-26	33.03				
	Note: Other conditions existed that would affect the measured water level.				
1951-10-31	34.01				
	Note: Other conditions existed that would affect the measured water level.				
1951-09-25	34.40				
	Note: Other conditions existed that would affect the measured water level.				
1951-08-30	34.11				
	Note: Other conditions existed that would affect the measured water level.				
1951-07-30	34.10				
	Note: Other conditions existed that would affect the measured water level.				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1951-06-26	33.74				
	Note: Other conditions existed that would affect the measured water level.				
1951-05-25	32.36				
	Note: Other conditions existed that would affect the measured water level.				
1951-04-23	33.47				
	Note: Other conditions existed that would affect the measured water level.				
1951-03-29	33.49				
	Note: Other conditions existed that would affect the measured water level.				
1951-02-28	34.44				
	Note: Other conditions existed that would affect the measured water level.				
1951-01-31	35.74				
	Note: Other conditions existed that would affect the measured water level.				
1950-12-27	33.64				
	Note: Other conditions existed that would affect the measured water level.				
1950-12-04	33.66				
	Note: Other conditions existed that would affect the measured water level.				
1950-10-30	35.09				
	Note: Other conditions existed that would affect the measured water level.				
1950-09-28	35.83				
	Note: Other conditions existed that would affect the measured water level.				
1950-08-30	36.00				
	Note: Other conditions existed that would affect the measured water level.				
1950-07-31	36.10				
	Note: Other conditions existed that would affect the measured water level.				
1950-07-06	45.44				
	Note: Other conditions existed that would affect the measured water level.				
1950-06-06	32.48				
	Note: Other conditions existed that would affect the measured water level.				
1950-05-07	33.49				
	Note: Other conditions existed that would affect the measured water level.				
1950-04-10	32.70				
	Note: Other conditions existed that would affect the measured water level.				
1949-12-23	32.94				
	Note: Other conditions existed that would affect the measured water level.				
1949-12-06	34.35				
	Note: Other conditions existed that would affect the measured water level.				
1949-10-29	35.92				
	Note: Other conditions existed that would affect the measured water level.				
1949-09-30	43.42				
	Note: Other conditions existed that would affect the measured water level.				
1949-09-07	35.98				
	Note: Other conditions existed that would affect the measured water level.				
1949-08-02	45.99				
	Note: Other conditions existed that would affect the measured water level.				
1949-07-01	31.49				
	Note: Other conditions existed that would affect the measured water level.				
1949-05-24	37.46				
	Note: Other conditions existed that would affect the measured water level.				
1949-04-26	29.96				
	Note: Other conditions existed that would affect the measured water level.				
1949-03-28	30.38				
	Note: Other conditions existed that would affect the measured water level.				
1949-02-25	33.24				
	Note: Other conditions existed that would affect the measured water level.				
1949-01-21	32.17				
	Note: Other conditions existed that would affect the measured water level.				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1948-12-22	31.38				
	Note: Other conditions existed that would affect the measured water level.				
1948-10-22	33.26				
	Note: Other conditions existed that would affect the measured water level.				
1948-09-28	38.05				
	Note: Other conditions existed that would affect the measured water level.				
1948-08-30	33.90				
	Note: Other conditions existed that would affect the measured water level.				
1948-07-26	44.51				
	Note: A nearby site that taps the same aquifer had been pumped recently.				
1948-06-24	29.65				
	Note: Other conditions existed that would affect the measured water level.				
1948-05-04	29.95				
	Note: Other conditions existed that would affect the measured water level.				
1948-03-29	29.18				
	Note: Other conditions existed that would affect the measured water level.				
1948-02-24	40.84				
	Note: Other conditions existed that would affect the measured water level.				
1948-01-27	37.62				
	Note: Other conditions existed that would affect the measured water level.				
1947-12-26	24.60				
	Note: Other conditions existed that would affect the measured water level.				
1947-12-01	24.81				
	Note: Other conditions existed that would affect the measured water level.				
1947-10-27	25.14				
	Note: Other conditions existed that would affect the measured water level.				
1947-09-26	25.46				
	Note: Other conditions existed that would affect the measured water level.				
1947-05-01	37.99				
	Note: A nearby site that taps the same aquifer was being pumped.				
1947-04-04	23.47				
	Note: Other conditions existed that would affect the measured water level.				
1947-03-07	23.02				
	Note: Other conditions existed that would affect the measured water level.				
1947-02-04	23.52				
	Note: Other conditions existed that would affect the measured water level.				
1946-12-30	24.92				
	Note: Other conditions existed that would affect the measured water level.				
1946-03-01	22.03				
	Note: Other conditions existed that would affect the measured water level.				
1946-02-05	23.68				
	Note: Other conditions existed that would affect the measured water level.				
1945-10-02	28.81				
	Note: Other conditions existed that would affect the measured water level.				
1945-07-10	26.32				
	Note: Other conditions existed that would affect the measured water level.				
1945-04-30	26.12				
	Note: A nearby site that taps the same aquifer was being pumped.				
1945-03-08	20.50				
	Note: Other conditions existed that would affect the measured water level.				
1945-02-05	21.50				
	Note: Other conditions existed that would affect the measured water level.				
1944-12-31	22.81				
	Note: Other conditions existed that would affect the measured water level.				
1944-11-27	24.28				
	Note: Other conditions existed that would affect the measured water level.				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1944-10-30	26.75				
	Note: Other conditions existed that would affect the measured water level.				
1944-09-25	27.62				
	Note: Other conditions existed that would affect the measured water level.				
1944-08-01	34.52				
	Note: Other conditions existed that would affect the measured water level.				
1944-07-03	34.84				
	Note: Other conditions existed that would affect the measured water level.				
1944-06-03	32.85				
	Note: Other conditions existed that would affect the measured water level.				
1944-05-02	22.32				
	Note: Other conditions existed that would affect the measured water level.				
1944-04-07	20.66				
	Note: Other conditions existed that would affect the measured water level.				
1944-01-26	23.25				
	Note: Other conditions existed that would affect the measured water level.				
1943-12-29	24.43				
	Note: Other conditions existed that would affect the measured water level.				
1943-12-02	26.12				
	Note: Other conditions existed that would affect the measured water level.				
1943-11-01	32.03				
	Note: Other conditions existed that would affect the measured water level.				
1943-09-27	30.74				
	Note: Other conditions existed that would affect the measured water level.				
1943-08-21	40.60				
	Note: Other conditions existed that would affect the measured water level.				
1943-08-11	25.82				
	Note: Other conditions existed that would affect the measured water level.				
1943-07-28	27.42				
	Note: Other conditions existed that would affect the measured water level.				
1943-06-23	27.79				
	Note: Other conditions existed that would affect the measured water level.				
1943-05-26	22.44				
	Note: Other conditions existed that would affect the measured water level.				
1943-04-28	23.59				
	Note: Other conditions existed that would affect the measured water level.				
1942-12-30	26.50				
	Note: Other conditions existed that would affect the measured water level.				
1942-12-05	31.46				
	Note: Other conditions existed that would affect the measured water level.				
1942-11-06	26.94				
	Note: Other conditions existed that would affect the measured water level.				
1942-05-22	22.00				
	Note: Other conditions existed that would affect the measured water level.				
1942-04-24	21.02				
	Note: Other conditions existed that would affect the measured water level.				
1942-03-23	21.40				
	Note: Other conditions existed that would affect the measured water level.				
1942-02-23	22.02				
	Note: Other conditions existed that would affect the measured water level.				
1942-01-17	23.48				
	Note: Other conditions existed that would affect the measured water level.				
1942-01-05	24.06				
	Note: Other conditions existed that would affect the measured water level.				
1941-09-27	37.91				
	Note: Other conditions existed that would affect the measured water level.				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1941-09-01	38.00				

D18 SSE
1/4 - 1/2 Mile Lower

Site ID:	Not Reported	AQUIFLOW	17761
Groundwater Flow:	W		
Shallow Water Depth:	Not Reported		
Deep Water Depth:	Not Reported		
Average Water Depth:	8		
Date:	3/13/1989		

19 West
1/4 - 1/2 Mile Higher

FED USGS USGS40000144399

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342609119512301		
Monloc name:	004N028W07N001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4358289
Longitude:	-119.8573613	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	45.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	258
Welldepth units:	ft	Wellholedepth:	258
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

20 South
1/4 - 1/2 Mile Lower

FED USGS USGS40000144186

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342551119510001		
Monloc name:	004N028W18G001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4308291
Longitude:	-119.8509722	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	6.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19250101	Welldepth:	438
Welldepth units:	ft	Wellholedepth:	445
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
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1938-08-13 28.5

Note: Other conditions existed that would affect the measured water level.

1925-06 0.00

Note: Other conditions existed that would affect the measured water level.

F21
North
1/4 - 1/2 Mile
Higher

FED USGS USGS40000144660

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342626119505801		
Monloc name:	004N028W07K002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4405512
Longitude:	-119.8504169	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	60.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	134
Welldepth units:	ft	Wellholedepth:	134
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

G22
SSW
1/4 - 1/2 Mile
Lower

AQUIFLOW 17759

Site ID:	Not Reported
Groundwater Flow:	SSW
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	10
Date:	2/22/1994

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

23
NW
1/4 - 1/2 Mile
Higher

FED USGS USGS40000144590

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342621119511801		
Monloc name:	004N028W07L001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4391622
Longitude:	-119.8559725	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	87.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	114
Welldepth units:	ft	Wellholedepth:	114
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

24
WSW
1/4 - 1/2 Mile
Lower

FED USGS USGS40000144288

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342602119512301		
Monloc name:	004N028W18D001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4338845
Longitude:	-119.8573612	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	22.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	67
Construction date:	Not Reported	Wellholeddepth:	67
Welldepth units:	ft		
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

**H25
WNW
1/4 - 1/2 Mile
Higher**

FED USGS USGS40000144548

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342618119512201		
Monloc name:	004N028W07N002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4383288
Longitude:	-119.8570836	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	74.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	31
Welldepth units:	ft	Wellholeddepth:	31
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

**H26
WNW
1/4 - 1/2 Mile
Higher**

FED USGS USGS40000144526

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342617119512301		
Monloc name:	004N028W07N003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4380511
Longitude:	-119.8573613	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	77.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type: Not Reported
 Construction date: Not Reported
 Welldepth units: ft
 Wellholeddepth units: ft
 Welldepth: 60
 Wellholeddepth: 60

Ground-water levels, Number of Measurements: 0

G27
South
1/4 - 1/2 Mile
Lower

FED USGS USGS40000144132

Org. Identifier: USGS-CA
 Formal name: USGS California Water Science Center
 Monloc Identifier: USGS-342549119510501
 Monloc name: 004N028W18F001S
 Monloc type: Well
 Monloc desc: Not Reported
 Huc code: 18060013
 Drainagearea Units: Not Reported
 Contrib drainagearea units: Not Reported
 Longitude: -119.852361
 Horiz Acc measure: 1
 Horiz Collection method: Interpolated from map
 Horiz coord refsys: NAD83
 Vert measure units: feet
 Vert accmeasure units: feet
 Vertcollection method: Global Positioning System
 Vert coord refsys: NAVD88
 Aquifername: California Coastal Basin aquifers
 Formation type: Not Reported
 Aquifer type: Not Reported
 Construction date: 19240101
 Welldepth units: ft
 Wellholeddepth units: ft
 Drainagearea value: Not Reported
 Contrib drainagearea: Not Reported
 Latitude: 34.4302735
 Sourcemap scale: 24000
 Horiz Acc measure units: minutes
 Vert measure val: 8.58
 Vertacc measure val: .1
 Countrycode: US
 Welldepth: 430
 Wellholeddepth: 440

Ground-water levels, Number of Measurements: 61

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-12-13	-0.60		2004-06-23	-0.60	
2003-12-16	-0.30				
2002-12-26					
Note: An obstruction was encountered in the well above the water surface (no water level recorded).					
2002-06-18	-0.08		2001-12-13	-0.73	
2001-06-19	0.83		2000-12-11	1.67	
2000-06-28	2.77		1999-12-21	1.06	
1999-06-16	-0.10		1998-12-15	0.49	
1998-06-29	0.52		1997-12-09	-0.56	
1997-06-24	1.19		1996-12-19	-0.45	
1996-06-25	0.77		1996-04-11	-0.12	
1995-12-14	3.19		1995-06-14	1.22	
1994-12-13	5.09		1994-06-12	1.88	
1993-12-14	6.18		1993-06-17	2.63	
1992-09-09	6.63		1992-05-20	2.78	
1991-10-28	11.75		1991-04-19	3.33	
1991-02-03	17.4		1990-10-03	17.78	
1990-05-11	0.0		1990-03-14	18.40	
1990-01-03	18.30		1989-11-10	17.86	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1989-08-08	16.33		1989-05-09	14.80	
1989-03-16	13.60		1988-12-05	15.90	
1988-09-07	14.18		1988-06-07	13.38	
1988-04-04	14.18		1988-02-01	12.58	
1987-12-03	12.27		1987-10-08	10.93	
1987-06-02	6.12		1986-12-01	12.21	
1986-06-02	6.16		1985-12-09	8.95	
1985-05-31	4.63		1985-04-03	2.84	
1984-11-30	5.60		1982-06-02	0.0	
1982-04-08	-0.04		1941-09-27	36.70	
1941-09-01	37.00		1936-05-24	71.54	
1935-05-24	60.63		1934-04-23	37.04	
1933-04-26	21.27		1932-09-02	13.98	
1924-06	5				

G28
South
1/4 - 1/2 Mile
Lower

CA WELLS CADW50000005988

Latitude :	34.430273		
Longitude :	119.852361		
Site code:	344303N1198534W001	Casgem sta:	04N28W18F001S
Local well:	4N/28W-18F1	Casgem s 1:	Observation
County id:	42		
Basin cd:	3-16	Basin desc:	Goleta
Org unit n:	Southern Region Office	Site id:	CADW50000005988

I29
East
1/4 - 1/2 Mile
Lower

FED USGS USGS40000144425

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342611119503801		
Monloc name:	004N028W07R001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4363847
Longitude:	-119.8448612	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	17.00
Vert measure units:	feet	Vertacc measure val:	.01
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type: Not Reported
 Construction date: 19790216 Welldepth: 335
 Welldepth units: ft Wellholedepth: 465
 Wellholedepth units: ft

Ground-water levels, Number of Measurements: 63

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-12-13	-1.02		2004-06-23	-1.55	
2003-12-16	-1.40		2003-06-11	-1.50	
2002-12-19	0.17		2002-06-18	-0.45	
2001-12-11	-0.78				
2001-06-19					
Note: The site was flowing, but the head could not be measured without additional equipment.					
2000-12-11	1.16		2000-06-28	1.62	
1999-12-21	3.3		1999-06-16	2.88	
1998-12-15	2.61		1998-06-30	1.17	
1997-12-09	6.86		1997-06-23	5.21	
1996-12-02	6.83		1996-11-04	7.19	
1996-10-01	7.01		1996-09-10	6.86	
1996-08-20	6.32		1996-07-10	6.39	
1996-06-13	6.30		1996-05-09	6.04	
1995-12-14	7.6		1995-06-14	6.22	
1994-12-13	11.77		1994-06-30	10.95	
1993-12-21	11.22		1993-06-17	10.71	
1993-01-21	13.91				
1992-09-09					
Note: The site was being pumped.					
1992-05-27	16.00		1992-03-31	16.21	
1992-01-23	17.00		1991-10-28	17.50	
1991-04-19	17.78				
Note: The site had been pumped recently.					
1990-10-03	18.45		1990-05-11	19.11	
1990-03-14	19.19		1990-01-03	20.51	
1989-11-10	20.86		1989-08-09	20.36	
1989-05-09	19.05		1989-03-16	17.79	
1988-12-05	15.40		1988-09-07	17.17	
1988-06-07	17.11		1988-04-04	17.12	
1988-02-01	16.31		1987-12-03	17.80	
1987-10-08	19.46		1987-06-21	15.68	
1987-04-01	14.32		1987-02-06	15.66	
1986-12-02	16.15		1986-10-01	19.05	
1986-07-31	15.02		1986-06-02	12.69	
1986-04-02	13.21		1986-03-18	13.49	
1982-05-04					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1979-02-16					
Note: The site was flowing, but the head could not be measured without additional equipment.					

I30
East
1/4 - 1/2 Mile
Lower

CA WELLS CADW5000006068

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Latitude :	34.436384	Casgem sta:	04N28W07R001S
Longitude :	119.844861	Casgem s 1:	Industrial
Site code:	344364N1198459W001	Basin desc:	Goleta
Local well:	4N/28W-7R1	Site id:	CADW50000006068
County id:	42		
Basin cd:	3-16		
Org unit n:	Southern Region Office		

I31
ENE
1/4 - 1/2 Mile
Lower

FED USGS USGS40000144494

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342615119503701		
Monloc name:	004N028W08N004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4374958
Longitude:	-119.8445835	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refs:	NAD83	Vert measure val:	20.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refs:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	350
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

32
NNW
1/4 - 1/2 Mile
Higher

CA WELLS 4725

Water System Information:

Prime Station Code:	04N/28W-18C04 S	User ID:	TAP
FRDS Number:	4210004021	County:	Santa Barbara
District Number:	06	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	342629.6 1195111.4	Precision:	1,000 Feet (10 Seconds)
Source Name:	RAYTHEON 02 - INACTIVE		
System Number:	4210004		
System Name:	GOLETA WATER DISRICT		
Organization That Operates System:	4699 HOLLISTER AVE. GOLETA, CA 93116		
Pop Served:	74000	Connections:	13983
Area Served:	GOLETA		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

33
SW
1/4 - 1/2 Mile
Lower

FED USGS USGS40000144243

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342556119512401		
Monloc name:	004N028W18D002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4322178
Longitude:	-119.857639	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	20.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported		
Welldepth units:	ft	Welldepth:	260
Wellholedepth units:	ft	Wellholedepth:	260

Ground-water levels, Number of Measurements: 0

34
NW
1/4 - 1/2 Mile
Higher

FED USGS USGS40000144611

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342623119512301		
Monloc name:	004N028W07M002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4397177
Longitude:	-119.8573614	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	100.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	44
Construction date:	Not Reported	Wellholeddepth:	44
Welldepth units:	ft		
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

35
North
1/4 - 1/2 Mile
Higher

FED USGS USGS40000144746

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342631119505801		
Monloc name:	004N028W07K003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.44194
Longitude:	-119.850417	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	63.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	119
Welldepth units:	ft	Wellholeddepth:	119
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

J36
SW
1/4 - 1/2 Mile
Lower

FED USGS USGS40000144207

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342552119512101		
Monloc name:	004N028W18E001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4311068
Longitude:	-119.8568056	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	21.00
Vert measure units:	feet	Vertacc measure val:	.1
Vert accmeasure units:	feet		
Vertcollection method:	Global Positioning System		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	350
Construction date:	19810608	Wellholedepth:	500
Welldepth units:	ft		
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 42

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-12-13	4.93		2004-06-23	4.83	
2003-12-16	5.28		2002-12-26	5.48	
2002-06-18	5.33		2001-12-11	5.52	
2001-06-19	5.85		2000-12-11	8.25	
2000-06-28	8.48		1999-12-21	9.99	
1999-06-16	9.96		1998-12-15	10.23	
1998-06-30	10.24		1997-12-09	13.38	
1997-06-24	12.75		1996-12-19	13.52	
1996-06-25	13.84		1995-12-14	14.98	
1995-06-14	15.19		1994-12-13	17.26	
1994-06-12	16.70		1993-12-13	17.19	
1993-06-17	17.90		1993-01-21	19.88	
1992-09-22	20.58		1992-05-27	20.06	
1992-03-31	20.02		1992-01-23	20.65	
1991-10-28	21.10		1991-04-19	23.30	
1991-02-03	22.80		1990-05-11	23.38	
1990-03-14	13.40		1990-01-03	24.52	
1989-11-10	24.86		1989-08-08	26.15	
1989-05-09	24.86		1989-03-16	21.69	
1988-12-05	19.46		1988-09-07	22.00	
1988-06-06	22.05		1988-04-01	22.10	

**J37
SW
1/4 - 1/2 Mile
Lower**

CA WELLS CADW50000006003

Latitude :	34.431107	Casgem sta:	04N28W18E001S
Longitude :	119.856806	Casgem s 1:	Observation
Site code:	344311N1198578W001	Basin desc:	Goleta
Local well:	4N/28W-18E1	Site id:	CADW50000006003
County id:	42		
Basin cd:	3-16		
Org unit n:	Southern Region Office		

**K38
ESE
1/4 - 1/2 Mile
Lower**

FED USGS USGS40000144258

Org. Identifier:	USGS-CA	Drainagearea value:	Not Reported
Formal name:	USGS California Water Science Center	Contrib drainagearea:	Not Reported
Monloc Identifier:	USGS-342558119503601	Latitude:	34.4327736
Monloc name:	004N028W18A003S	Sourcemap scale:	24000
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013		
Drainagearea Units:	Not Reported		
Contrib drainagearea units:	Not Reported		
Longitude:	-119.8443055		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

39
East
1/4 - 1/2 Mile
Lower

FED USGS USGS40000144363

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342607119503301		
Monloc name:	004N028W17D001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4352736
Longitude:	-119.8434723	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	15.00
Vert measure units:	feet	Vertacc measure val:	05
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19780511	Welldepth:	482
Welldepth units:	ft	Wellholedepth:	508
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

 1978-07-06

Note: The site was flowing, but the head could not be measured without additional equipment.

40
SE
1/4 - 1/2 Mile
Lower

FED USGS USGS40000144185

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342551119504201		
Monloc name:	004N028W18H001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4308292
Longitude:	-119.8459722	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	7.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Altimeter		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1941-09-26	1.53		1941-09-01	2.00	

41
ENE
1/4 - 1/2 Mile
Lower

FED USGS USGS40000144575

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342620119503601		
Monloc name:	004N028W07J001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4388847
Longitude:	-119.8443057	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	16.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	330
Construction date:	Not Reported	Wellholeddepth:	330
Welldepth units:	ft		
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

**L42
NW
1/4 - 1/2 Mile
Higher**

FED USGS USGS40000144685

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342628119512001		
Monloc name:	004N028W07L002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4411066
Longitude:	-119.856528	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	95.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	71
Welldepth units:	ft	Wellholeddepth:	71
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

**K43
ESE
1/4 - 1/2 Mile
Lower**

FED USGS USGS40000144251

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342557119503501		
Monloc name:	004N028W18A001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4324959
Longitude:	-119.8440278	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	Not Reported
Construction date:	19220101	Wellholeddepth:	60
Welldepth units:	Not Reported		
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

K44
ESE
1/4 - 1/2 Mile
Lower

FED USGS USGS40000144252

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342557119503502		
Monloc name:	004N028W18A002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4324959
Longitude:	-119.8440278	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19220101	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholeddepth:	63
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

K45
ESE
1/4 - 1/2 Mile
Lower

FED USGS USGS40000144250

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342557119503401		
Monloc name:	004N028W18A004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4324959
Longitude:	-119.84375	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	9.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	Not Reported
Construction date:	Not Reported	Wellholeddepth:	60
Welldepth units:	Not Reported		
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 5

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1959-06-02	9.70		1956-04-10	7.73	
1955-04-07	10.50				
Note: A nearby site that taps the same aquifer was being pumped.					
1954-11-08	12.92		1948-08-10	12.28	

M46
East
1/4 - 1/2 Mile
Higher

FED USGS USGS40000144468

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342613119503101		
Monloc name:	004N028W08N005S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4369403
Longitude:	-119.8429168	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	40.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19740101	Welldepth:	225
Welldepth units:	ft	Wellholeddepth:	230
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

47
NNE
1/2 - 1 Mile
Higher

FED USGS USGS40000144792

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342634119505401		
Monloc name:	004N028W07G001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4427734
Longitude:	-119.8493059	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	60.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	32
Welldepth units:	ft	Wellholedepth:	32
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**M48
East
1/2 - 1 Mile
Lower**

CA WELLS CADW50000006067

Latitude :	34.436361		
Longitude :	119.84264		
Site code:	344367N1198436W002	Casgem sta:	04N28W08N008S
Local well:	4N/28W-8N8	Casgem s 1:	Industrial
County id:	42		
Basin cd:	3-16	Basin desc:	Goleta
Org unit n:	Southern Region Office	Site id:	CADW50000006067

**M49
East
1/2 - 1 Mile
Higher**

CA WELLS CADW50000006076

Latitude :	34.43675		
Longitude :	119.84269		
Site code:	344431N1198107W001	Casgem sta:	04N28W09H003S
Local well:	4N/28W-9H3	Casgem s 1:	Observation
County id:	42		
Basin cd:	3-16	Basin desc:	Goleta
Org unit n:	Southern Region Office	Site id:	CADW50000006076

**M50
East
1/2 - 1 Mile
Higher**

CA WELLS CADW50000006071

Latitude :	34.436663		
Longitude :	119.84264		
Site code:	344367N1198436W001	Casgem sta:	04N28W08N007S
Local well:	4N/28W-8N7	Casgem s 1:	Residential
County id:	42		
Basin cd:	3-16	Basin desc:	Goleta
Org unit n:	Southern Region Office	Site id:	CADW50000006071

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

M51
East
1/2 - 1 Mile
Higher

FED USGS USGS40000144438

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342612119503001		
Monloc name:	004N028W08N008S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4366625
Longitude:	-119.842639	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	34.50
Vert measure units:	feet	Vertacc measure val:	.01
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19780328	Welldepth:	380
Welldepth units:	ft	Wellholedepth:	539
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 75

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-12-13	16.36		2004-06-23	15.90	
2003-12-16	16.12		2003-06-11	15.91	
2002-12-19	17.62		2002-06-18	16.70	
2001-12-11	13.64		2000-12-11	18.65	
2000-06-28	18.29		1999-12-21	20.56	
1999-08-19	20.60		1999-07-27	21.59	
1999-06-15	20.33		1999-05-19	20.23	
1999-04-23	20.04		1999-03-26	20.34	
1999-02-22	20.22		1999-01-19	20.67	
1998-12-15	19.83		1998-11-13	20.13	
1998-10-15	19.65		1998-09-29	19.80	
1998-08-14	19.12		1998-06-30	18.96	
1998-02-18	21.58		1997-06-23	22.82	
1996-12-02	24.37		1996-11-04	24.77	
1996-10-01	24.37		1996-09-10	24.17	
1996-08-20	23.69		1996-07-10	24.20	
1996-06-25	24.00		1995-12-14	25.23	
1995-06-14	24.08		1994-12-14	29.08	
1994-06-12	29.71		1993-12-21	30.43	
1993-06-17	28.44		1993-01-21	33.95	
1992-09-22	33.45		1992-05-27	33.57	
1991-04-19	36.50		1991-02-03	36.08	
1990-10-03	34.86		1990-05-11	35.39	
1990-03-14	35.50		1990-01-03	36.78	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1989-11-10	37.38		1989-08-09	36.63	
1989-05-09	35.45		1989-03-16	35.00	
1988-12-05	31.75		1988-09-07	32.26	
1988-06-07	32.13		1988-04-04	31.76	
1988-02-01	31.43		1987-12-03	32.81	
1987-10-08	34.61		1987-06-02	31.70	
1987-04-01	30.46		1986-12-02	34.20	
1986-06-02	29.00		1985-12-09	31.35	
1985-05-31	35.36		1985-04-03	46.28	
1984-11-30	57.20		1984-06-01	22.50	
1984-04-02	17.70		1983-12-01	13.80	
1983-05-16	10.72		1982-06-02	12.42	
1982-04-12	2.97		1978-07-13	10.55	
1978-04-05	11.3				

**M52
East
1/2 - 1 Mile
Higher**

FED USGS

USGS40000144439

Org. Identifier:	USGS-CA			
Formal name:	USGS California Water Science Center			
Monloc Identifier:	USGS-342612119503002			
Monloc name:	004N028W08N007S			
Monloc type:	Well			
Monloc desc:	Not Reported			
Huc code:	18060013	Drainagearea value:	Not Reported	
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported	
Contrib drainagearea units:	Not Reported	Latitude:	34.4366625	
Longitude:	-119.842639	Sourcemap scale:	24000	
Horiz Acc measure:	1	Horiz Acc measure units:	seconds	
Horiz Collection method:	Interpolated from map			
Horiz coord refsys:	NAD83	Vert measure val:	35.23	
Vert measure units:	feet	Vertacc measure val:	.1	
Vert accmeasure units:	feet			
Vertcollection method:	Global Positioning System			
Vert coord refsys:	NAVD88	Countrycode:	US	
Aquifername:	California Coastal Basin aquifers			
Formation type:	Not Reported			
Aquifer type:	Not Reported			
Construction date:	19780127	Welldepth:	350	
Welldepth units:	ft	Wellholedepth:	420	
Wellholedepth units:	ft			

Ground-water levels, Number of Measurements: 26

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-12-13	16.62		2004-06-23	16.18	
2003-12-16	16.39		2003-06-11	16.08	
2002-12-19	18.60		2002-06-18	17.60	
2001-12-11	16.90		2001-06-19	15.89	
2001-06-19	16.09		2000-12-11	18.92	
2000-06-28	18.55		1999-12-21	20.98	
1999-06-17	20.85		1998-12-15	20.27	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1998-06-30	19.21		1997-12-09	24.79	
1997-06-23	23.04		1996-12-02	24.62	
1996-11-04	25.07		1996-10-01	24.64	
1996-09-10	24.47		1996-08-20	24.00	
1996-07-10	24.41		1996-06-26	23.99	
1978-04-28	11.89				
1978-01-27	25				

Note: Other conditions existed that would affect the measured water level.

N53
ESE
1/2 - 1 Mile
Lower

CA WELLS 4686

Water System Information:

Prime Station Code:	04N/28W-07Q05 S	User ID:	42C
FRDS Number:	4200697001	County:	Santa Barbara
District Number:	72	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	342600.0 1195030.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	4200697		
System Name:	CRAVIOTTA PARTNERS		
Organization That Operates System:			
	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		

N54
ESE
1/2 - 1 Mile
Lower

CA WELLS 4722

Water System Information:

Prime Station Code:	04N/28W-17D06 S	User ID:	42C
FRDS Number:	4200636001	County:	Santa Barbara
District Number:	72	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	342600.0 1195030.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 02		
System Number:	4200636		
System Name:	DORAL NEELEY WS		
Organization That Operates System:			
	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		

L55
NW
1/2 - 1 Mile
Higher

FED USGS USGS40000144721

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342630119512301		
Monloc name:	004N028W07M001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4416621
Longitude:	-119.8573614	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	102.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	3165
Welldepth units:	ft	Wellholedepth:	3165
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

M56 East 1/2 - 1 Mile Higher	Site ID:	Not Reported	AQUIFLOW	17736
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	61		
	Deep Water Depth:	62.5		
	Average Water Depth:	Not Reported		
	Date:	9/27/1987		

57 ENE 1/2 - 1 Mile Higher			FED USGS	USGS40000144589
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Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342621119502901		
Monloc name:	004N028W08N006S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4391625
Longitude:	-119.8423613	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	41.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	300
Construction date:	19730101	Wellholeddepth:	300
Welldepth units:	ft		
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

**58
NE
1/2 - 1 Mile
Higher**

FED USGS USGS40000144698

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342629119503401		
Monloc name:	004N028W08M002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4413846
Longitude:	-119.8437502	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	42.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	300
Welldepth units:	ft	Wellholeddepth:	300
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

**O59
WNW
1/2 - 1 Mile
Higher**

CA WELLS CADW50000006119

Latitude :	34.438884		
Longitude :	119.861528		
Site code:	344389N1198625W001	Casgem sta:	04N29W13A002S
Local well:	4N/29W-13A2	Casgem s 1:	Residential
County id:	42		
Basin cd:	3-16	Basin desc:	Goleta
Org unit n:	Southern Region Office	Site id:	CADW50000006119

**O60
WNW
1/2 - 1 Mile
Higher**

FED USGS USGS40000144576

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342620119513801		
Monloc name:	004N029W13A002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4388843
Longitude:	-119.861528	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	21.55
Vert measure units:	feet	Vertacc measure val:	.1
Vert accmeasure units:	feet		
Vertcollection method:	Global Positioning System		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19780518	Welldepth:	310
Welldepth units:	ft	Wellholedepth:	340
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 66

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-12-13	5.17		2004-06-23	5.17	
2003-12-16	5.87		2003-06-11	5.87	
2002-12-26	6.8		2002-06-18	6.67	
2001-12-11	7.63		2001-06-19	7.40	
2000-12-11	8.94		2000-06-28	9.32	
1999-12-21	10.67		1999-06-17	10.68	
1998-12-15	11.00		1998-06-30	11.19	
1997-12-09	14.08		1997-06-24	13.28	
1996-12-19	14.18		1996-06-25	14.61	
1995-12-14	15.72		1995-06-14	16.07	
1994-12-13	18.58		1994-06-12	18.49	
1993-12-13	19.07		1993-06-16	19.85	
1993-01-21	21.32		1992-09-22	22.13	
1992-05-27	22.37		1992-03-29	22.57	
1992-01-23	22.87		1991-10-28	23.45	
1991-04-19	23.71		1991-02-03	24.1	
1990-10-03	23.84		1990-05-11	24.28	
1990-03-14	24.29		1990-01-03	25.24	
1989-11-10	25.82		1989-08-08	25.62	
1989-05-08	24.37		1989-03-16	22.79	
1988-12-05	20.80		1987-06-01	20.60	
1987-04-01	19.42		1987-02-03	20.60	
1986-12-01	22.90		1986-10-01	24.08	
1986-07-31	20.84		1986-06-02	18.54	
1986-04-02	17.88		1986-02-03	18.88	
1985-12-09	19.58		1985-10-03	21.05	
1985-08-05	22.80		1985-05-31	21.72	
1985-04-03	18.54		1985-02-05	21.01	
1984-11-30	21.13		1984-08-01	16.14	
1984-06-01	14.89		1984-04-02	8.75	
1984-02-02	4.93		1983-11-30	5.05	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1982-06-02	2.10		1982-04-08	2.05	
1978-07-03	0.84		1978-05-18	3	

P61
East
1/2 - 1 Mile
Lower

FED USGS

USGS40000144475

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342614119502301		
Monloc name:	004N028W08N002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4372181
Longitude:	-119.8406945	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	24.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19470101	Welldepth:	180
Welldepth units:	ft	Wellholedepth:	180
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

P62
ENE
1/2 - 1 Mile
Lower

FED USGS

USGS40000144493

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342615119502301		
Monloc name:	004N028W08N001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4374959
Longitude:	-119.8406945	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	27.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	282
Construction date:	19350101	Wellholeddepth:	364
Welldepth units:	ft		
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1935-12-27	49	

Note: Other conditions existed that would affect the measured water level.

63
NE
1/2 - 1 Mile
Higher

FED USGS USGS40000144823

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342636119503801		
Monloc name:	004N028W07H001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.443329
Longitude:	-119.8448614	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	59.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	221
Welldepth units:	ft	Wellholeddepth:	221
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

P64
ENE
1/2 - 1 Mile
Lower

FED USGS USGS40000144505

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342616119502201		
Monloc name:	004N028W08N003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4377736
Longitude:	-119.8404168	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	23.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 250

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1984-10-01	25.98		1984-08-01	19.20	
1984-06-01	17.75		1984-04-02	15.32	
1984-02-02	15.47		1983-12-01	16.74	
1983-09-30	18.45		1983-08-01	18.13	
1983-06-01	19.14		1983-05-16	19.40	
1983-04-29	19.75		1983-04-01	20.56	
1983-03-24	20.58		1983-03-01	21.69	
1983-02-01	23.13		1982-12-01	24.67	
1982-10-01	24.15		1982-08-02	23.75	
1982-06-01	22.01		1982-04-01	21.78	
1982-02-01	22.08		1981-12-02	21.88	
1981-09-29	21.60		1981-08-04	20.20	
1981-06-03	18.09		1981-04-03	17.70	
1981-02-03	17.87		1980-12-03	17.82	
1980-10-02	17.76		1980-08-01	16.68	
1980-06-02	16.30		1980-04-01	16.28	
1980-02-04	18.57		1979-12-03	20.13	
1979-10-02	18.17		1979-08-01	17.29	
1979-06-01	16.15		1979-04-02	16.97	
1979-02-01	19.41		1978-12-01	20.01	
1978-10-06	20.50		1978-08-01	19.56	
1978-06-06	18.84		1978-04-03	20.88	
1978-02-01	23.14		1977-12-06	23.66	
1977-11-02	23.16		1977-10-03	22.32	
1977-09-02	22.16		1977-08-09	21.18	
1977-07-15	20.70		1977-06-22	20.06	
1977-05-18	20.73		1977-04-29	20.48	
1977-03-09	20.37		1977-02-14	20.08	
1977-01-12	19.66		1976-12-09	19.49	
1976-11-09	19.40		1976-10-13	19.10	
1976-09-01	19.45		1976-08-05	19.48	
1976-07-07	18.45		1976-06-03	18.44	
1976-05-06	17.65		1976-04-01	17.30	
1976-03-05	17.53		1976-02-03	18.62	
1976-01-08	18.45		1975-12-04	18.13	
1975-11-11	18.33		1975-10-09	18.35	
1975-09-09	18.18		1975-08-08	16.64	
1975-07-11	16.58		1975-06-04	16.60	
1975-05-06	15.56		1975-04-14	15.60	
1975-03-04	17.00		1975-02-06	17.94	
1975-01-10	17.94		1974-12-04	18.08	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1974-11-07	17.50		1974-10-03	16.32	
1974-09-11	15.80		1974-08-09	15.32	
1974-07-10	14.45		1974-06-05	13.46	
1974-05-04	12.28		1974-04-03	12.26	
1974-03-08	12.28		1974-02-10	12.63	
1974-01-09	12.97		1973-12-12	13.83	
1973-11-02	14.70		1973-10-05	13.84	
1973-09-05	13.95		1973-08-03	13.56	
1973-07-05	12.69		1973-06-06	11.94	
1973-05-03	10.99		1973-04-06	11.12	
1973-03-06	11.79		1973-02-06	12.92	
1973-01-04	13.76		1972-12-05	14.27	
1972-11-03	15.79		1972-10-04	15.26	
1972-09-01	15.17		1972-08-02	14.69	
1972-07-05	13.54		1972-06-02	13.27	
1972-05-02	12.81		1972-04-07	13.35	
1972-03-02	11.24		1972-02-02	11.63	
1972-01-04	12.13		1971-12-03	13.90	
1971-11-02	13.33		1971-10-05	13.44	
1971-09-03	12.02		1971-08-07	11.30	
1971-07-06	10.87		1971-06-02	10.63	
1971-05-03	10.66		1971-04-06	8.40	
1971-03-17	7.74		1971-03-09	7.93	
1971-02-09	8.13		1971-01-07	8.44	
1970-12-09	9.09		1970-10-08	10.49	
1970-03-31	6.39		1969-10-27	9.00	
1969-03-24	7.59		1968-10-08	12.38	
1968-03-20	11.06		1967-10-19	13.57	
1967-03-21	14.92		1966-10-20	18.50	
1966-04-25	18.76		1966-03-29	18.82	
1966-02-24	19.22		1965-11-22	21.10	
1965-10-28	22.02		1965-09-24	22.54	
1965-08-19	22.30		1965-07-26	22.45	
1965-06-28	22.18		1965-05-24	21.65	
1965-04-27	21.82		1965-03-25	22.34	
1965-02-23	22.87		1965-01-25	23.35	
1964-12-28	23.46		1964-11-23	24.18	
1964-10-26	25.30		1964-09-22	24.88	
1964-08-25	24.16		1964-07-27	24.49	
1964-06-22	24.41		1964-05-25	24.38	
1964-04-23	24.71		1964-03-25	25.30	
1964-02-24	25.26		1964-01-20	25.73	
1963-12-23	26.20		1963-11-22	26.66	
1963-10-22	26.94		1963-09-24	27.16	
1963-08-30	27.80		1963-07-29	27.25	
1963-06-27	28.09		1963-05-30	28.20	
1963-04-30	28.68		1963-03-22	29.22	
1963-02-28	29.97		1963-01-25	30.49	
1962-12-27	30.84		1962-11-21	31.10	
1962-10-30	31.42		1962-09-21	31.84	
1962-08-30	32.05		1962-07-23	32.47	
1962-06-22	32.90		1962-05-30	33.38	
1962-04-26	33.96		1962-03-30	34.38	
1962-03-02	35.18		1962-01-18	35.42	
1961-12-26	36.55		1961-11-22	37.21	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1961-10-22	36.93		1961-09-25	36.83	
1961-08-23	36.40		1961-07-27	36.16	
1961-06-29	36.41		1961-05-29	35.91	
1961-04-27	35.61		1961-03-31	35.41	
1961-02-27	34.92		1961-01-27	34.98	
1960-12-30	35.44		1960-11-25	35.87	
1960-10-31	36.05		1960-09-30	36.11	
1960-08-30	36.33		1960-07-29	36.28	
1960-06-23	35.01		1960-05-27	35.03	
1960-05-03	35.49		1960-02-24	36.14	
1960-01-29	38.00		1959-12-30	38.67	
1959-08-24	36.42		1959-04-30	35.95	
1959-04-03	35.00		1959-02-25	35.86	
1959-01-29	36.44		1958-12-29	35.83	
1958-11-28	37.03		1958-10-30	38.39	
1958-09-25	37.35		1958-08-29	37.89	
1958-07-30	37.43		1958-06-24	38.25	
1958-05-26	38.23		1958-04-30	39.32	
1958-03-28	41.09		1958-02-28	42.24	
1958-01-31	43.20		1957-12-31	43.81	
1957-08-30	44.86		1957-07-24	43.84	
1957-06-28	42.40		1957-05-31	42.26	
1957-04-26	42.82		1957-03-25	43.20	
1957-02-25	43.53		1957-01-28	43.99	
1956-11-30	44.84		1956-09-21	44.81	
1956-08-30	44.69		1956-07-24	44.64	
1956-06-25	43.30		1956-05-28	44.12	
1956-04-26	45.31		1956-03-29	46.38	
1956-03-08	47.24		1955-04-07	51.00	

65
NNW
1/2 - 1 Mile
Higher

CA WELLS 4726

Water System Information:

Prime Station Code:	04N/28W-18E01 S	User ID:	TAP
FRDS Number:	4210004009	County:	Santa Barbara
District Number:	06	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	342639.1 1195122.9	Precision:	1,000 Feet (10 Seconds)
Source Name:	CASTILIAN 01 - INACTIVE		
System Number:	4210004		
System Name:	GOLETA WATER DISRICT		
Organization That Operates System:	4699 HOLLISTER AVE. GOLETA, CA 93116	Connections:	13983
Pop Served:	74000		
Area Served:	GOLETA		

66
East
1/2 - 1 Mile
Lower

CA WELLS 4690

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water System Information:

Prime Station Code:	04N/28W-08P05 S	User ID:	TAP
FRDS Number:	4210004001	County:	Santa Barbara
District Number:	06	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Standby Raw
Source Lat/Long:	342612.0 1195017.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	AIRPORT WELL - STANDBY		
System Number:	4210004		
System Name:	GOLETA WATER DISRICT		
Organization That Operates System:	4699 HOLLISTER AVE. GOLETA, CA 93116		
Pop Served:	74000	Connections:	13983
Area Served:	GOLETA		
Sample Collected:	12-OCT-11	Findings:	840. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12-OCT-11	Findings:	1.9
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	12-OCT-11	Findings:	4000. UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	12-OCT-11	Findings:	1.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	12-OCT-11	Findings:	1.24 PCI/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	12-OCT-11	Findings:	0.308 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	12-OCT-11	Findings:	30. UNITS
Chemical:	COLOR		
Sample Collected:	12-OCT-11	Findings:	1200. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	12-OCT-11	Findings:	8.2
Chemical:	PH, LABORATORY		
Sample Collected:	12-OCT-11	Findings:	320. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	12-OCT-11	Findings:	380. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	12-OCT-11	Findings:	3.9 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	12-OCT-11	Findings:	500. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	12-OCT-11	Findings:	130. MG/L
Chemical:	CALCIUM		
Sample Collected:	12-OCT-11	Findings:	39. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	12-OCT-11	Findings:	94. MG/L
Chemical:	SODIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	12-OCT-11	Findings:	4.2 MG/L
Chemical:	POTASSIUM		
Sample Collected:	12-OCT-11	Findings:	61. MG/L
Chemical:	CHLORIDE		
Sample Collected:	12-OCT-11	Findings:	0.36 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	12-OCT-11	Findings:	2.4 UG/L
Chemical:	ARSENIC		
Sample Collected:	12-OCT-11	Findings:	1500. UG/L
Chemical:	IRON		
Sample Collected:	12-OCT-11	Findings:	250. UG/L
Chemical:	MANGANESE		
Sample Collected:	12-OCT-11	Findings:	13. NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12-OCT-11	Findings:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	29-DEC-11	Findings:	20. UNITS
Chemical:	COLOR		
Sample Collected:	29-DEC-11	Findings:	2. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	29-DEC-11	Findings:	18. NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11-JAN-12	Findings:	1200. UG/L
Chemical:	IRON		
Sample Collected:	11-JAN-12	Findings:	230. UG/L
Chemical:	MANGANESE		
Sample Collected:	04-APR-12	Findings:	1100. UG/L
Chemical:	IRON		
Sample Collected:	04-APR-12	Findings:	230. UG/L
Chemical:	MANGANESE		
Sample Collected:	15-MAY-12	Findings:	990. UG/L
Chemical:	IRON		
Sample Collected:	15-MAY-12	Findings:	220. UG/L
Chemical:	MANGANESE		
Sample Collected:	05-JUN-12	Findings:	1100. UG/L
Chemical:	IRON		
Sample Collected:	05-JUN-12	Findings:	230. UG/L
Chemical:	MANGANESE		
Sample Collected:	05-JUN-12	Findings:	820. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	13-JUN-12	Findings:	820. UG/L
Chemical:	IRON		
Sample Collected:	13-JUN-12	Findings:	220. UG/L
Chemical:	MANGANESE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	11-JUL-12	Findings:	1100. UG/L
Chemical:	IRON		
Sample Collected:	11-JUL-12	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	17-JUL-12	Findings:	0.761 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	17-JUL-12	Findings:	0.74 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	08-AUG-12	Findings:	910. UG/L
Chemical:	IRON		
Sample Collected:	08-AUG-12	Findings:	230. UG/L
Chemical:	MANGANESE		
Sample Collected:	22-AUG-12	Findings:	870. UG/L
Chemical:	IRON		
Sample Collected:	22-AUG-12	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	18-SEP-12	Findings:	1100. UG/L
Chemical:	IRON		
Sample Collected:	18-SEP-12	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	23-OCT-12	Findings:	0.41 PCI/L
Chemical:	RADIUM 226 MDA95		
Sample Collected:	23-OCT-12	Findings:	0.68 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	23-OCT-12	Findings:	0.862 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	24-OCT-12	Findings:	900. UG/L
Chemical:	IRON		
Sample Collected:	24-OCT-12	Findings:	230. UG/L
Chemical:	MANGANESE		
Sample Collected:	29-OCT-12	Findings:	880. UG/L
Chemical:	IRON		
Sample Collected:	29-OCT-12	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	13-NOV-12	Findings:	860. UG/L
Chemical:	IRON		
Sample Collected:	13-NOV-12	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	19-DEC-12	Findings:	900. UG/L
Chemical:	IRON		
Sample Collected:	19-DEC-12	Findings:	230. UG/L
Chemical:	MANGANESE		
Sample Collected:	13-FEB-13	Findings:	940. UG/L
Chemical:	IRON		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	13-FEB-13	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	19-MAR-13	Findings:	1100. UG/L
Chemical:	IRON		
Sample Collected:	19-MAR-13	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	27-MAR-13	Findings:	780. UG/L
Chemical:	IRON		
Sample Collected:	27-MAR-13	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	03-APR-13	Findings:	810. UG/L
Chemical:	IRON		
Sample Collected:	03-APR-13	Findings:	250. UG/L
Chemical:	MANGANESE		
Sample Collected:	09-APR-13	Findings:	880. UG/L
Chemical:	IRON		
Sample Collected:	09-APR-13	Findings:	270. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-APR-13	Findings:	800. UG/L
Chemical:	IRON		
Sample Collected:	16-APR-13	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	17-APR-13	Findings:	15. UNITS
Chemical:	COLOR		
Sample Collected:	17-APR-13	Findings:	1300. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	17-APR-13	Findings:	7.8
Chemical:	PH, LABORATORY		
Sample Collected:	17-APR-13	Findings:	340. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	17-APR-13	Findings:	420. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	17-APR-13	Findings:	500. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	17-APR-13	Findings:	130. MG/L
Chemical:	CALCIUM		
Sample Collected:	17-APR-13	Findings:	39. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	17-APR-13	Findings:	94. MG/L
Chemical:	SODIUM		
Sample Collected:	17-APR-13	Findings:	4.6 MG/L
Chemical:	POTASSIUM		
Sample Collected:	17-APR-13	Findings:	71. MG/L
Chemical:	CHLORIDE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	17-APR-13	Findings:	0.36 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	17-APR-13	Findings:	800. UG/L
Chemical:	IRON		
Sample Collected:	17-APR-13	Findings:	210. UG/L
Chemical:	MANGANESE		
Sample Collected:	17-APR-13	Findings:	880. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	17-APR-13	Findings:	1.5
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	17-APR-13	Findings:	7.9 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	17-APR-13	Findings:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	22-APR-13	Findings:	780. UG/L
Chemical:	IRON		
Sample Collected:	22-APR-13	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	01-MAY-13	Findings:	810. UG/L
Chemical:	IRON		
Sample Collected:	01-MAY-13	Findings:	250. UG/L
Chemical:	MANGANESE		
Sample Collected:	14-MAY-13	Findings:	860. UG/L
Chemical:	IRON		
Sample Collected:	14-MAY-13	Findings:	260. UG/L
Chemical:	MANGANESE		
Sample Collected:	22-MAY-13	Findings:	860. UG/L
Chemical:	IRON		
Sample Collected:	22-MAY-13	Findings:	250. UG/L
Chemical:	MANGANESE		
Sample Collected:	29-MAY-13	Findings:	860. UG/L
Chemical:	IRON		
Sample Collected:	29-MAY-13	Findings:	250. UG/L
Chemical:	MANGANESE		
Sample Collected:	04-JUN-13	Findings:	850. UG/L
Chemical:	IRON		
Sample Collected:	04-JUN-13	Findings:	260. UG/L
Chemical:	MANGANESE		
Sample Collected:	11-JUN-13	Findings:	800. UG/L
Chemical:	IRON		
Sample Collected:	11-JUN-13	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	18-JUN-13	Findings:	20. UNITS
Chemical:	COLOR		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	18-JUN-13	Findings:	3. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	18-JUN-13	Findings:	1300. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	18-JUN-13	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	18-JUN-13	Findings:	310. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	18-JUN-13	Findings:	370. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	18-JUN-13	Findings:	540. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	18-JUN-13	Findings:	140. MG/L
Chemical:	CALCIUM		
Sample Collected:	18-JUN-13	Findings:	42. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	18-JUN-13	Findings:	100. MG/L
Chemical:	SODIUM		
Sample Collected:	18-JUN-13	Findings:	4.6 MG/L
Chemical:	POTASSIUM		
Sample Collected:	18-JUN-13	Findings:	70. MG/L
Chemical:	CHLORIDE		
Sample Collected:	18-JUN-13	Findings:	0.35 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	18-JUN-13	Findings:	860. UG/L
Chemical:	IRON		
Sample Collected:	18-JUN-13	Findings:	230. UG/L
Chemical:	MANGANESE		
Sample Collected:	18-JUN-13	Findings:	880. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	18-JUN-13	Findings:	1.4
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	18-JUN-13	Findings:	8.6 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	18-JUN-13	Findings:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	19-JUN-13	Findings:	860. UG/L
Chemical:	IRON		
Sample Collected:	19-JUN-13	Findings:	260. UG/L
Chemical:	MANGANESE		
Sample Collected:	26-JUN-13	Findings:	860. UG/L
Chemical:	IRON		
Sample Collected:	26-JUN-13	Findings:	260. UG/L
Chemical:	MANGANESE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	02-JUL-13	Findings:	830. UG/L
Chemical:	IRON		
Sample Collected:	02-JUL-13	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	11-JUL-13	Findings:	760. UG/L
Chemical:	IRON		
Sample Collected:	11-JUL-13	Findings:	220. UG/L
Chemical:	MANGANESE		
Sample Collected:	17-JUL-13	Findings:	760. UG/L
Chemical:	IRON		
Sample Collected:	17-JUL-13	Findings:	220. UG/L
Chemical:	MANGANESE		
Sample Collected:	22-JUL-13	Findings:	20. UNITS
Chemical:	COLOR		
Sample Collected:	22-JUL-13	Findings:	1300. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	22-JUL-13	Findings:	7.6
Chemical:	PH, LABORATORY		
Sample Collected:	22-JUL-13	Findings:	340. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	22-JUL-13	Findings:	420. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	22-JUL-13	Findings:	480. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	22-JUL-13	Findings:	130. MG/L
Chemical:	CALCIUM		
Sample Collected:	22-JUL-13	Findings:	38. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	22-JUL-13	Findings:	94. MG/L
Chemical:	SODIUM		
Sample Collected:	22-JUL-13	Findings:	4.4 MG/L
Chemical:	POTASSIUM		
Sample Collected:	22-JUL-13	Findings:	70. MG/L
Chemical:	CHLORIDE		
Sample Collected:	22-JUL-13	Findings:	0.34 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	22-JUL-13	Findings:	790. UG/L
Chemical:	IRON		
Sample Collected:	22-JUL-13	Findings:	230. UG/L
Chemical:	MANGANESE		
Sample Collected:	22-JUL-13	Findings:	920. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	22-JUL-13	Findings:	1.3
Chemical:	LANGELIER INDEX @ 60 C		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	22-JUL-13	Findings:	8. NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	22-JUL-13	Findings:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	23-JUL-13	Findings:	770. UG/L
Chemical:	IRON		
Sample Collected:	23-JUL-13	Findings:	220. UG/L
Chemical:	MANGANESE		
Sample Collected:	31-JUL-13	Findings:	830. UG/L
Chemical:	IRON		
Sample Collected:	31-JUL-13	Findings:	250. UG/L
Chemical:	MANGANESE		
Sample Collected:	07-AUG-13	Findings:	800. UG/L
Chemical:	IRON		
Sample Collected:	07-AUG-13	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	13-AUG-13	Findings:	830. UG/L
Chemical:	IRON		
Sample Collected:	13-AUG-13	Findings:	250. UG/L
Chemical:	MANGANESE		
Sample Collected:	14-AUG-13	Findings:	20. UNITS
Chemical:	COLOR		
Sample Collected:	14-AUG-13	Findings:	2. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	14-AUG-13	Findings:	1300. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	14-AUG-13	Findings:	7.5
Chemical:	PH, LABORATORY		
Sample Collected:	14-AUG-13	Findings:	330. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	14-AUG-13	Findings:	400. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	14-AUG-13	Findings:	550. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	14-AUG-13	Findings:	150. MG/L
Chemical:	CALCIUM		
Sample Collected:	14-AUG-13	Findings:	43. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	14-AUG-13	Findings:	110. MG/L
Chemical:	SODIUM		
Sample Collected:	14-AUG-13	Findings:	4.8 MG/L
Chemical:	POTASSIUM		
Sample Collected:	14-AUG-13	Findings:	71. MG/L
Chemical:	CHLORIDE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	14-AUG-13	Findings:	0.35 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	14-AUG-13	Findings:	880. UG/L
Chemical:	IRON		
Sample Collected:	14-AUG-13	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	14-AUG-13	Findings:	860. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	14-AUG-13	Findings:	1.3
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	14-AUG-13	Findings:	10. NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	14-AUG-13	Findings:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	21-AUG-13	Findings:	800. UG/L
Chemical:	IRON		
Sample Collected:	21-AUG-13	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	28-AUG-13	Findings:	790. UG/L
Chemical:	IRON		
Sample Collected:	28-AUG-13	Findings:	230. UG/L
Chemical:	MANGANESE		
Sample Collected:	04-SEP-13	Findings:	780. UG/L
Chemical:	IRON		
Sample Collected:	04-SEP-13	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	05-SEP-13	Findings:	20. UNITS
Chemical:	COLOR		
Sample Collected:	05-SEP-13	Findings:	1300. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05-SEP-13	Findings:	7.5
Chemical:	PH, LABORATORY		
Sample Collected:	05-SEP-13	Findings:	330. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	05-SEP-13	Findings:	400. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05-SEP-13	Findings:	500. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	05-SEP-13	Findings:	140. MG/L
Chemical:	CALCIUM		
Sample Collected:	05-SEP-13	Findings:	40. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	05-SEP-13	Findings:	97. MG/L
Chemical:	SODIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05-SEP-13	Findings:	4.4 MG/L
Chemical:	POTASSIUM		
Sample Collected:	05-SEP-13	Findings:	72. MG/L
Chemical:	CHLORIDE		
Sample Collected:	05-SEP-13	Findings:	0.38 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	05-SEP-13	Findings:	800. UG/L
Chemical:	IRON		
Sample Collected:	05-SEP-13	Findings:	220. UG/L
Chemical:	MANGANESE		
Sample Collected:	05-SEP-13	Findings:	6.4e-002 MG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	05-SEP-13	Findings:	890. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05-SEP-13	Findings:	1.2
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	05-SEP-13	Findings:	7.4 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05-SEP-13	Findings:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	10-SEP-13	Findings:	790. UG/L
Chemical:	IRON		
Sample Collected:	10-SEP-13	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	18-SEP-13	Findings:	810. UG/L
Chemical:	IRON		
Sample Collected:	18-SEP-13	Findings:	250. UG/L
Chemical:	MANGANESE		
Sample Collected:	25-SEP-13	Findings:	750. UG/L
Chemical:	IRON		
Sample Collected:	25-SEP-13	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	02-OCT-13	Findings:	820. UG/L
Chemical:	IRON		
Sample Collected:	02-OCT-13	Findings:	250. UG/L
Chemical:	MANGANESE		
Sample Collected:	10-OCT-13	Findings:	750. UG/L
Chemical:	IRON		
Sample Collected:	10-OCT-13	Findings:	250. UG/L
Chemical:	MANGANESE		
Sample Collected:	16-OCT-13	Findings:	710. UG/L
Chemical:	IRON		
Sample Collected:	16-OCT-13	Findings:	250. UG/L
Chemical:	MANGANESE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	22-OCT-13	Findings:	620. UG/L
Chemical:	IRON		
Sample Collected:	22-OCT-13	Findings:	230. UG/L
Chemical:	MANGANESE		
Sample Collected:	29-OCT-13	Findings:	15. UNITS
Chemical:	COLOR		
Sample Collected:	29-OCT-13	Findings:	2. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	29-OCT-13	Findings:	1300. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	29-OCT-13	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	29-OCT-13	Findings:	340. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	29-OCT-13	Findings:	420. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	29-OCT-13	Findings:	560. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	29-OCT-13	Findings:	150. MG/L
Chemical:	CALCIUM		
Sample Collected:	29-OCT-13	Findings:	44. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	29-OCT-13	Findings:	100. MG/L
Chemical:	SODIUM		
Sample Collected:	29-OCT-13	Findings:	4.6 MG/L
Chemical:	POTASSIUM		
Sample Collected:	29-OCT-13	Findings:	71. MG/L
Chemical:	CHLORIDE		
Sample Collected:	29-OCT-13	Findings:	0.37 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	29-OCT-13	Findings:	680. UG/L
Chemical:	IRON		
Sample Collected:	29-OCT-13	Findings:	250. UG/L
Chemical:	MANGANESE		
Sample Collected:	29-OCT-13	Findings:	890. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	29-OCT-13	Findings:	1.5
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	29-OCT-13	Findings:	5.6 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	29-OCT-13	Findings:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	30-OCT-13	Findings:	610. UG/L
Chemical:	IRON		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	30-OCT-13	Findings:	260. UG/L
Chemical:	MANGANESE		
Sample Collected:	06-NOV-13	Findings:	620. UG/L
Chemical:	IRON		
Sample Collected:	06-NOV-13	Findings:	250. UG/L
Chemical:	MANGANESE		
Sample Collected:	13-NOV-13	Findings:	600. UG/L
Chemical:	IRON		
Sample Collected:	13-NOV-13	Findings:	260. UG/L
Chemical:	MANGANESE		
Sample Collected:	18-NOV-13	Findings:	15. UNITS
Chemical:	COLOR		
Sample Collected:	18-NOV-13	Findings:	2. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	18-NOV-13	Findings:	1300. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	18-NOV-13	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	18-NOV-13	Findings:	340. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	18-NOV-13	Findings:	420. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	18-NOV-13	Findings:	520. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	18-NOV-13	Findings:	140. MG/L
Chemical:	CALCIUM		
Sample Collected:	18-NOV-13	Findings:	42. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	18-NOV-13	Findings:	100. MG/L
Chemical:	SODIUM		
Sample Collected:	18-NOV-13	Findings:	4.4 MG/L
Chemical:	POTASSIUM		
Sample Collected:	18-NOV-13	Findings:	71. MG/L
Chemical:	CHLORIDE		
Sample Collected:	18-NOV-13	Findings:	0.37 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	18-NOV-13	Findings:	580. UG/L
Chemical:	IRON		
Sample Collected:	18-NOV-13	Findings:	250. UG/L
Chemical:	MANGANESE		
Sample Collected:	18-NOV-13	Findings:	840. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	18-NOV-13	Findings:	1.4
Chemical:	LANGELIER INDEX @ 60 C		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	18-NOV-13	Findings:	5.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	18-NOV-13	Findings:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	19-NOV-13	Findings:	1300. UG/L
Chemical:	IRON		
Sample Collected:	19-NOV-13	Findings:	260. UG/L
Chemical:	MANGANESE		
Sample Collected:	27-NOV-13	Findings:	600. UG/L
Chemical:	IRON		
Sample Collected:	27-NOV-13	Findings:	250. UG/L
Chemical:	MANGANESE		
Sample Collected:	03-DEC-13	Findings:	620. UG/L
Chemical:	IRON		
Sample Collected:	03-DEC-13	Findings:	250. UG/L
Chemical:	MANGANESE		
Sample Collected:	11-DEC-13	Findings:	20. UNITS
Chemical:	COLOR		
Sample Collected:	11-DEC-13	Findings:	1300. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	11-DEC-13	Findings:	8.3
Chemical:	PH, LABORATORY		
Sample Collected:	11-DEC-13	Findings:	350. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	11-DEC-13	Findings:	420. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	11-DEC-13	Findings:	5.4 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	11-DEC-13	Findings:	520. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	11-DEC-13	Findings:	140. MG/L
Chemical:	CALCIUM		
Sample Collected:	11-DEC-13	Findings:	42. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	11-DEC-13	Findings:	110. MG/L
Chemical:	SODIUM		
Sample Collected:	11-DEC-13	Findings:	4.7 MG/L
Chemical:	POTASSIUM		
Sample Collected:	11-DEC-13	Findings:	72. MG/L
Chemical:	CHLORIDE		
Sample Collected:	11-DEC-13	Findings:	0.36 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	11-DEC-13	Findings:	790. UG/L
Chemical:	IRON		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	11-DEC-13	Findings:	220. UG/L
Chemical:	MANGANESE		
Sample Collected:	11-DEC-13	Findings:	0.26 MG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	11-DEC-13	Findings:	900. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11-DEC-13	Findings:	2.
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	11-DEC-13	Findings:	7.5 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11-DEC-13	Findings:	14.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	12-DEC-13	Findings:	690. UG/L
Chemical:	IRON		
Sample Collected:	12-DEC-13	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	05-FEB-14	Findings:	1200. UG/L
Chemical:	IRON		
Sample Collected:	05-FEB-14	Findings:	250. UG/L
Chemical:	MANGANESE		
Sample Collected:	12-FEB-14	Findings:	830. UG/L
Chemical:	IRON		
Sample Collected:	12-FEB-14	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	18-FEB-14	Findings:	. 15. UNITS
Chemical:	COLOR		
Sample Collected:	18-FEB-14	Findings:	. 1300. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	18-FEB-14	Findings:	. 7.6
Chemical:	PH, LABORATORY		
Sample Collected:	18-FEB-14	Findings:	. 340. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	18-FEB-14	Findings:	. 420. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	18-FEB-14	Findings:	. 520. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	18-FEB-14	Findings:	. 140. MG/L
Chemical:	CALCIUM		
Sample Collected:	18-FEB-14	Findings:	. 42. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	18-FEB-14	Findings:	. 100. MG/L
Chemical:	SODIUM		
Sample Collected:	18-FEB-14	Findings:	. 4.4 MG/L
Chemical:	POTASSIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	18-FEB-14	Findings:	. 70. MG/L
Chemical:	CHLORIDE		
Sample Collected:	18-FEB-14	Findings:	. 0.36 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	18-FEB-14	Findings:	. 780. UG/L
Chemical:	IRON		
Sample Collected:	18-FEB-14	Findings:	. 230. UG/L
Chemical:	MANGANESE		
Sample Collected:	18-FEB-14	Findings:	. 900. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	18-FEB-14	Findings:	. 1.3
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	18-FEB-14	Findings:	. 6.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	18-FEB-14	Findings:	. 13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	19-FEB-14	Findings:	700. UG/L
Chemical:	IRON		
Sample Collected:	19-FEB-14	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	25-FEB-14	Findings:	770. UG/L
Chemical:	IRON		
Sample Collected:	25-FEB-14	Findings:	240. UG/L
Chemical:	MANGANESE		
Sample Collected:	05-MAR-14	Findings:	. 1100. UG/L
Chemical:	IRON		
Sample Collected:	05-MAR-14	Findings:	. 220. UG/L
Chemical:	MANGANESE		
Sample Collected:	12-MAR-14	Findings:	. 680. UG/L
Chemical:	IRON		
Sample Collected:	12-MAR-14	Findings:	. 230. UG/L
Chemical:	MANGANESE		
Sample Collected:	19-MAR-14	Findings:	. 690. UG/L
Chemical:	IRON		
Sample Collected:	19-MAR-14	Findings:	. 240. UG/L
Chemical:	MANGANESE		
Sample Collected:	26-MAR-14	Findings:	. 700. UG/L
Chemical:	IRON		
Sample Collected:	26-MAR-14	Findings:	. 250. UG/L
Chemical:	MANGANESE		

67
ENE
1/2 - 1 Mile
Higher

FED USGS USGS40000144684

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier: USGS-CA
 Formal name: USGS California Water Science Center
 Monloc Identifier: USGS-342628119502201
 Monloc name: 004N028W08M001S
 Monloc type: Well
 Monloc desc: Not Reported
 Huc code: 18060013
 Drainagearea Units: Not Reported
 Contrib drainagearea units: Not Reported
 Longitude: -119.8404169
 Horiz Acc measure: 1
 Horiz Collection method: Interpolated from map
 Horiz coord refsys: NAD83
 Vert measure units: feet
 Vert accmeasure units: feet
 Vertcollection method: Interpolated from topographic map
 Vert coord refsys: NGVD29
 Aquifername: California Coastal Basin aquifers
 Formation type: Not Reported
 Aquifer type: Not Reported
 Construction date: 19220101
 Welldepth units: ft
 Wellholedepth units: ft

Drainagearea value: Not Reported
 Contrib drainagearea: Not Reported
 Latitude: 34.4411069
 Sourcemap scale: 24000
 Horiz Acc measure units: minutes
 Vert measure val: 45.00
 Vertacc measure val: 10
 Countrycode: US
 Welldepth: 330
 Wellholedepth: 335

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1942-08-05	66.3				
Note: Other conditions existed that would affect the measured water level.					
1936	50				
Note: Other conditions existed that would affect the measured water level.					
1922-09	19				
Note: Other conditions existed that would affect the measured water level.					

68
ESE
1/2 - 1 Mile
Lower

FED USGS USGS40000144266

Org. Identifier: USGS-CA
 Formal name: USGS California Water Science Center
 Monloc Identifier: USGS-342559119501701
 Monloc name: 004N028W17C003S
 Monloc type: Well
 Monloc desc: Not Reported
 Huc code: 18060013
 Drainagearea Units: Not Reported
 Contrib drainagearea units: Not Reported
 Longitude: -119.8390277
 Horiz Acc measure: 1
 Horiz Collection method: Interpolated from map
 Horiz coord refsys: NAD83
 Vert measure units: feet
 Vert accmeasure units: feet
 Vertcollection method: Altimeter
 Vert coord refsys: NGVD29
 Aquifername: California Coastal Basin aquifers
 Formation type: Not Reported

Drainagearea value: Not Reported
 Contrib drainagearea: Not Reported
 Latitude: 34.4330515
 Sourcemap scale: 24000
 Horiz Acc measure units: minutes
 Vert measure val: 16.00
 Vertacc measure val: 5
 Countrycode: US

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	Not Reported
Construction date:	Not Reported	Wellholeddepth:	11
Welldepth units:	Not Reported		
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1941-09-26	4.82		1941-09-01	5.00	

69
WSW
1/2 - 1 Mile
Lower

FED USGS USGS40000144259

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342558119514701		
Monloc name:	004N029W13A001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4327732
Longitude:	-119.8640279	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	27.00
Vert measure units:	feet	Vertacc measure val:	005
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19770618	Welldepth:	230
Welldepth units:	ft	Wellholeddepth:	280
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1977-10-28	10.90				
1977-06-18	12				

Note: Other conditions existed that would affect the measured water level.

70
WNW
1/2 - 1 Mile
Higher

CA WELLS 4728

Water System Information:

Prime Station Code:	04N/29W-13A01 S	User ID:	TAP
FRDS Number:	4210004010	County:	Santa Barbara
District Number:	06	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	342632.7 1195146.3	Precision:	1,000 Feet (10 Seconds)
Source Name:	COROMAR 01 - INACTIVE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Number: 4210004
 System Name: GOLETA WATER DISRICT
 Organization That Operates System:
 4699 HOLLISTER AVE.
 GOLETA, CA 93116
 Pop Served: 74000
 Area Served: GOLETA
 Connections: 13983

Q71
ESE
1/2 - 1 Mile
Lower

Site ID:	Not Reported	AQUIFLOW	17727
Groundwater Flow:	S		
Shallow Water Depth:	6.62		
Deep Water Depth:	7.03		
Average Water Depth:	Not Reported		
Date:	12/23/1994		

R72
East
1/2 - 1 Mile
Lower

FED USGS USGS40000144504

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342616119501001		
Monloc name:	004N028W08P003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4377737
Longitude:	-119.8370834	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	20.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19530101	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	306
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

Q73
East
1/2 - 1 Mile
Lower

FED USGS USGS40000144275

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342600119501001		
Monloc name:	004N028W17C001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4333293
Longitude:	-119.8370833	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure: 1	Horiz Acc measure units: minutes
Horiz Collection method: Interpolated from map	
Horiz coord refsys: NAD83	Vert measure val: 18.00
Vert measure units: feet	Vertacc measure val: 5.
Vert accmeasure units: feet	
Vertcollection method: Altimeter	
Vert coord refsys: NGVD29	Countrycode: US
Aquifername: California Coastal Basin aquifers	
Formation type: Not Reported	
Aquifer type: Not Reported	
Construction date: Not Reported	Welldepth: Not Reported
Welldepth units: Not Reported	Wellholedepth: 65
Wellholedepth units: ft	

Ground-water levels, Number of Measurements: 11

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1942-08-14	10.37				
Note: The site was being pumped.					
1942-07-17	8.24		1942-06-19	5.81	
1942-05-22	7.62				
Note: The site had been pumped recently.					
1942-04-24	2.89				
1942-03-23	4.87				
Note: The site was being pumped.					
1942-02-23	4.63		1942-01-17	3.40	
1942-01-05	3.04		1941-09-26	5.42	
1941-09-01	5.00				

S74
SSW
1/2 - 1 Mile
Lower

FED USGS USGS40000143955

Org. Identifier: USGS-CA	
Formal name: USGS California Water Science Center	
Monloc Identifier: USGS-342527119511901	
Monloc name: 004N028W18P001S	
Monloc type: Well	
Monloc desc: Not Reported	
Huc code: 18060013	Drainagearea value: Not Reported
Drainagearea Units: Not Reported	Contrib drainagearea: Not Reported
Contrib drainagearea units: Not Reported	Latitude: 34.4241624
Longitude: -119.8562498	Sourcemap scale: 24000
Horiz Acc measure: 1	Horiz Acc measure units: minutes
Horiz Collection method: Interpolated from map	
Horiz coord refsys: NAD83	Vert measure val: 8.00
Vert measure units: feet	Vertacc measure val: 5.
Vert accmeasure units: feet	
Vertcollection method: Altimeter	
Vert coord refsys: NGVD29	Countrycode: US
Aquifername: California Coastal Basin aquifers	
Formation type: Not Reported	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type: Not Reported
 Construction date: 19280101 Welldepth: 160
 Welldepth units: ft Wellholedepth: 300
 Wellholedepth units: ft

Ground-water levels, Number of Measurements: 5

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1946-04-16	18				
Note: Other conditions existed that would affect the measured water level.					
1941-09-29	17.91				
Note: Other conditions existed that would affect the measured water level.					
1941-09-01	18.00				
1938-08-13	28.5				
Note: Other conditions existed that would affect the measured water level.					
1928-05	6				
Note: Other conditions existed that would affect the measured water level.					

R75
ENE
1/2 - 1 Mile
Lower

FED USGS USGS40000144547

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342618119501001		
Monloc name:	004N028W08P002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4383293
Longitude:	-119.8370834	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	20.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19420801	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	507
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 87

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1978-01-01	0.00		1977-12-06	26.96	
1977-11-02	26.58		1977-10-03	27.95	
1977-09-02	25.59		1977-08-09	23.74	
1977-07-15	23.69		1977-06-23	22.15	
1977-05-17	18.46		1977-04-29	17.84	
1977-03-09	17.58		1977-02-14	17.16	
1977-01-12	16.75		1976-12-09	16.58	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1976-11-09	16.46		1976-10-13	16.16	
1976-09-02	16.68		1976-08-06	16.39	
1976-07-07	15.74		1976-06-02	15.29	
1976-05-06	15.07		1976-04-01	15.31	
1976-03-05	15.57		1976-02-03	16.28	
1976-01-08	15.75		1975-12-04	16.08	
1975-11-11	16.98		1975-10-09	17.52	
1975-09-10	17.48		1975-08-08	17.66	
1975-07-11	17.52		1975-06-05	17.30	
1975-05-06	17.00		1975-04-14	17.75	
1975-03-04	18.40		1975-02-06	19.00	
1975-01-09	18.70		1974-12-04	18.70	
1974-11-07	19.70		1974-10-03	19.42	
1974-09-11	18.55		1974-08-09	18.27	
1974-07-10	16.80		1974-06-05	15.86	
1974-05-04	13.41		1974-04-03	13.35	
1974-03-08	13.38		1974-02-10	13.43	
1974-01-09	14.11		1973-12-12	14.67	
1973-11-02	16.38		1973-10-05	14.88	
1973-09-05	14.50		1973-08-03	15.88	
1973-07-05	14.42		1973-06-06	12.66	
1973-05-03	11.20		1973-04-06	11.41	
1973-03-06	12.04		1973-02-06	13.38	
1973-01-04	13.89		1972-12-05	14.38	
1972-11-03	17.44		1972-10-04	16.22	
1972-09-01	16.62		1972-08-02	15.03	
1972-07-05	13.70		1972-06-02	13.83	
1972-05-02	12.82		1972-04-07	14.43	
1972-03-02	10.42		1972-02-02	10.77	
1972-01-04	11.39		1971-12-03	14.75	
1971-11-02	13.88		1971-10-05	14.63	
1971-09-03	12.23		1971-08-07	10.90	
1971-07-06	10.53		1971-06-02	10.36	
1971-05-03	11.63		1971-04-06	7.90	
1971-03-09	6.37		1971-02-09	6.61	
1971-01-07	7.07		1970-12-10	7.58	
1959-06-02	38.80				

**T76
West
1/2 - 1 Mile
Higher**

FED USGS USGS40000144331

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342605119515501		
Monloc name:	004N029W13B003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4347176
Longitude:	-119.8662502	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	40.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	2920
Welldepth units:	ft	Wellholedepth:	2920
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

T77
West
1/2 - 1 Mile
Higher

FED USGS USGS40000144332

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342605119515502		
Monloc name:	004N029W13B004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4347176
Longitude:	-119.8662502	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	48.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	186
Welldepth units:	ft	Wellholedepth:	186
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

S78
SSW
1/2 - 1 Mile
Lower

FED USGS USGS40000143956

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342527119512101		
Monloc name:	004N028W18P003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4241624
Longitude:	-119.8568054	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	11.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19490101	Welldepth:	165
Welldepth units:	ft	Wellholedepth:	244
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

U79	Site ID:	Not Reported		
WSW	Groundwater Flow:	SE	AQUIFLOW	17758
1/2 - 1 Mile	Shallow Water Depth:	Not Reported		
Lower	Deep Water Depth:	Not Reported		
	Average Water Depth:	26		
	Date:	4/17/1984		

V80			FED USGS	USGS40000144253
WSW				
1/2 - 1 Mile				
Higher				
Org. Identifier:	USGS-CA			
Formal name:	USGS California Water Science Center			
Monloc Identifier:	USGS-342557119515401			
Monloc name:	004N029W13B001S			
Monloc type:	Well			
Monloc desc:	Not Reported			
Huc code:	18060013	Drainagearea value:	Not Reported	
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported	
Contrib drainagearea units:	Not Reported	Latitude:	34.4324954	
Longitude:	-119.8659724	Sourcemap scale:	24000	
Horiz Acc measure:	1	Horiz Acc measure units:	seconds	
Horiz Collection method:	Interpolated from map			
Horiz coord refsys:	NAD83	Vert measure val:	34.00	
Vert measure units:	feet	Vertacc measure val:	10	
Vert accmeasure units:	feet			
Vertcollection method:	Interpolated from topographic map			
Vert coord refsys:	NGVD29	Countrycode:	US	
Aquifername:	California Coastal Basin aquifers			
Formation type:	Not Reported			
Aquifer type:	Not Reported			
Construction date:	Not Reported	Welldepth:	3750	
Welldepth units:	ft	Wellholedepth:	3750	
Wellholedepth units:	ft			

Ground-water levels, Number of Measurements: 0

W81			FED USGS	USGS40000143981
SSW				
1/2 - 1 Mile				
Lower				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342531119513201		
Monloc name:	004N028W18M001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4252735
Longitude:	-119.859861	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	14.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19281016	Welldepth:	100
Welldepth units:	ft	Wellholedepth:	145
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 45

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1984-10-01	9.23		1984-08-01	8.52	
1984-06-01	7.68		1984-04-02	7.02	
1984-02-02	6.97		1983-11-30	7.35	
1983-09-30	7.72		1983-08-01	7.44	
1983-06-01	7.10		1983-04-01	7.27	
1983-02-01	8.68		1982-12-01	9.49	
1982-10-01	9.56		1982-08-02	9.10	
1982-06-01	8.79		1982-04-01	8.51	
1982-02-01	9.17		1981-12-02	9.30	
1981-09-29	9.12		1981-08-04	8.45	
1981-06-03	7.83		1981-04-02	7.33	
1981-02-03	8.18		1980-12-02	8.47	
1980-10-02	8.22		1980-08-01	7.88	
1980-06-02	7.55		1980-04-01	7.12	
1980-02-04	7.98		1979-12-03	9.68	
1979-10-02	8.60		1979-08-01	8.26	
1979-06-01	7.75		1979-04-02	7.15	
1979-02-01	8.23		1978-12-01	8.73	
1978-10-06	8.89		1978-08-01	8.36	
1978-06-06	7.96		1978-04-05	7.42	
1978-02-01	9.03		1946-04-09	23.00	
1937-06-14	36.00		1933	51.00	
1928-10-16	29.00				

S82
SSW
1/2 - 1 Mile
Lower

FED USGS USGS40000143950

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342526119512001		
Monloc name:	004N028W18P002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4238847
Longitude:	-119.8565276	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19480101	Welldepth:	180
Welldepth units:	ft	Wellholedepth:	314
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**X83
ENE
1/2 - 1 Mile
Higher**

CA WELLS CADW50000006171

Latitude :	34.4425		
Longitude :	119.8386		
Site code:	344425N1198386W001	Casgem sta:	04N28W08F002S
Local well:	Not Reported	Casgem s 1:	Unknown
County id:	42		
Basin cd:	3-16	Basin desc:	Goleta
Org unit n:	Southern Region Office	Site id:	CADW50000006171

**U84
WSW
1/2 - 1 Mile
Lower**

FED USGS USGS40000144187

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342551119515301		
Monloc name:	004N029W13H002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4308288
Longitude:	-119.8656945	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	30.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19740101	Welldepth:	290
Welldepth units:	ft	Wellholedepth:	392
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1976-07-02	16.46		1976-07-01	16.00	
1974-02-04	16				

Note: Other conditions existed that would affect the measured water level.

**R85
East
1/2 - 1 Mile
Lower**

FED USGS USGS40000144474

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342614119500601		
Monloc name:	004N028W08P001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4372182
Longitude:	-119.8359723	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	22.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	500
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 18

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1941-09-22	5.40		1941-09-08	5.13	
1941-08-25	4.84		1941-08-11	4.49	
1941-08-04	4.29		1941-07-28	4.15	
1941-07-21	4.02		1941-07-16	3.94	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1941-07-07	3.76		1941-06-28	3.70	
1941-06-21	3.57		1941-06-14	3.48	
1941-06-09	3.44		1941-06-02	3.36	
1941-05-24	3.23		1941-05-17	3.14	
1941-05-05	2.64		1941-05-01	3.00	

V86
WSW
1/2 - 1 Mile
Higher

FED USGS USGS40000144260

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342558119515701		
Monloc name:	004N029W13B005S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4327732
Longitude:	-119.8668057	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35.00
Vert measure units:	feet	Vertacc measure val:	005
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19771028	Welldepth:	150
Welldepth units:	ft	Wellholedepth:	183
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1978-02-01	18.94				
1977-10-28	10				

Note: Other conditions existed that would affect the measured water level.

Y87
East
1/2 - 1 Mile
Lower

FED USGS USGS40000144274

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342600119500601		
Monloc name:	004N028W17C002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4333294
Longitude:	-119.8359722	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	16.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Altimeter		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	60
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 11

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1942-08-14	5.03		1942-07-17	4.78	
1942-06-19	5.23		1942-05-22	3.78	
1942-04-24	2.91		1942-03-23	4.30	
1942-02-23	4.74		1942-01-17	5.52	
1942-01-05	5.91		1941-09-26	7.71	
1941-09-01	8.00				

88
East
1/2 - 1 Mile
Lower

FED USGS USGS40000144303

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342603119500501		
Monloc name:	004N028W08P005S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4367222
Longitude:	-119.8357222	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	20.54
Vert measure units:	feet	Vertacc measure val:	.1
Vert accmeasure units:	feet		
Vertcollection method:	Global Positioning System		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19830511	Welldepth:	840
Welldepth units:	ft	Wellholedepth:	860
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 42

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-12-13	10.23		2004-06-23	9.69	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2003-12-16	10.44		2003-06-11	10.89	
2002-12-19	11.35		2002-06-18	11.97	
2001-12-11	13.30		2001-06-19	16.51	
2000-12-12	21.04		2000-06-28	23.38	
1999-12-21	26.63		1999-07-01	28.84	
1999-01-20	30.41		1997-12-09	45.57	
1997-06-24	47.13		1996-12-18	49.86	
1996-06-25	50.45		1995-12-14	53.84	
1995-06-14	56.25		1994-12-13	64.61	
1994-06-12	65.87		1993-12-21	59.03	
1993-06-29	60.71		1992-09-22	60.06	
1992-05-27	68.90				
1992-03-31	78.75				
Note: Other conditions existed that would affect the measured water level.					
1992-01-23	80.70		1991-10-28	80.60	
1991-04-19	87.05		1991-02-03	86.70	
1990-10-02					
Note: The site was being pumped.					
1990-05-11	80.88		1990-03-14	82.32	
1990-01-03	83.39		1987-04-01	60.16	
1985-05-31	30.13				
1984-11-30	121.55				
Note: The site was being pumped.					
1984-09-10	16.00		1984-06-01	10.35	
1984-04-02	6.07		1984-02-02	3.10	
1983-12-01	2.75				

Y89
East
1/2 - 1 Mile
Lower

CA WELLS CADW50000006024

Latitude :	34.434163	Casgem sta:	04N28W08P005S
Longitude :	119.835694	Casgem s 1:	Observation
Site code:	344342N1198357W001	Basin desc:	Goleta
Local well:	4N/28W-8P5	Site id:	CADW50000006024
County id:	42		
Basin cd:	3-16		
Org unit n:	Southern Region Office		

X90
ENE
1/2 - 1 Mile
Higher

FED USGS USGS40000144779

Org. Identifier:	USGS-CA	Drainagearea value:	Not Reported
Formal name:	USGS California Water Science Center	Contrib drainagearea:	Not Reported
Monloc Identifier:	USGS-342633119501201	Latitude:	34.4424958
Monloc name:	004N028W08F002S	Sourcemap scale:	24000
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013		
Drainagearea Units:	Not Reported		
Contrib drainagearea units:	Not Reported		
Longitude:	-119.837639		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	41.
Vert measure units:	feet	Vertacc measure val:	010
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19770924	Welldepth:	454
Welldepth units:	ft	Wellholedepth:	454
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 92

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-12-14	24.17		2004-06-23	22.57	
2003-12-16	22.99		2002-12-19	25.86	
2002-06-18	25.43		2001-12-13	26.25	
2001-06-20	26.82		2000-12-12	30.56	
2000-06-27	31.34		1999-12-22	34.16	
1999-06-17	32.81		1999-01-20	34.34	
1997-12-08	34.20		1997-06-23	37.68	
1996-12-19	34.61		1996-06-26	35.34	
1995-12-13	42.5		1995-06-13	46.03	
1994-12-12	41.24		1994-06-11	40.28	
1993-12-14	52.96		1993-12-13	52.96	
1993-06-29	51.32		1992-09-21	50.10	
1992-05-19	49.83		1992-03-31	47.65	
1992-01-22	49.25		1991-10-28	52.20	
1991-04-18	52.45		1991-02-03	54.25	
1990-10-03	56.25		1990-05-10	53.78	
1990-03-13	58.35		1990-01-02	59.71	
1989-11-09	62.04		1989-08-08	64.03	
1989-05-09	63.98		1989-03-14	65.70	
1988-12-05	66.95		1987-06-01	63.64	
1987-04-01	62.02		1987-02-02	64.65	
1986-12-01	64.70		1986-10-01	63.72	
1986-08-01	59.53		1986-05-30	57.80	
1986-04-02	58.17		1986-02-03	61.06	
1985-12-09	60.15		1985-10-03	58.35	
1985-08-05	54.52		1985-05-31	47.73	
1985-04-03	46.89		1985-02-05	45.15	
1984-11-30	48.10		1984-10-01	41.40	
1984-08-01	35.08		1984-06-01	32.73	
1984-04-04	27.30		1983-09-30	30.06	
1983-08-01	29.10		1983-07-14	29.09	
1983-07-05	29.10		1983-06-23	29.36	
1983-06-01	30.11		1983-05-16	28.84	
1983-04-29	28.84		1982-12-01	40.50	
1982-10-01	39.89		1982-08-02	38.58	
1982-06-01	36.70		1982-04-01	36.77	
1982-02-01	36.86		1981-12-02	34.85	
1981-09-29	36.30		1981-08-04	33.00	
1981-06-03	29.97		1981-04-02	29.46	
1981-02-03	29.54		1980-12-03	29.44	
1980-10-01	28.72		1980-08-01	28.18	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1980-02-04	28.99		1979-12-03	32.09	
1979-10-02	29.07		1979-08-01	27.67	
1979-06-01	26.37		1979-02-01	31.29	
1978-12-01	31.91		1978-10-06	32.07	
1978-08-01	33.63		1978-01-23	41.22	

**W91
SSW
1/2 - 1 Mile
Lower**

FED USGS USGS40000143957

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342527119513201		
Monloc name:	004N028W18N003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4241624
Longitude:	-119.859861	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	7.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Altimeter		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	90
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 95

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1950-07-31	22.65				
1950-07-06	23.89				
	Note: Other conditions existed that would affect the measured water level.				
1950-06-06	21.64				
	Note: Other conditions existed that would affect the measured water level.				
1950-05-07	23.24				
	Note: Other conditions existed that would affect the measured water level.				
1950-04-10	20.77				
	Note: Other conditions existed that would affect the measured water level.				
1950-03-06	20.15				
	Note: Other conditions existed that would affect the measured water level.				
1950-01-27	21.40				
	Note: Other conditions existed that would affect the measured water level.				
1949-12-23	22.52				
	Note: Other conditions existed that would affect the measured water level.				
1949-12-06	23.14				
	Note: Other conditions existed that would affect the measured water level.				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1949-10-29	24.91				
	Note: Other conditions existed that would affect the measured water level.				
1949-09-30	25.11				
	Note: Other conditions existed that would affect the measured water level.				
1949-09-07	28.23				
	Note: Other conditions existed that would affect the measured water level.				
1949-08-02	29.62				
	Note: Other conditions existed that would affect the measured water level.				
1949-07-01	23.26				
	Note: Other conditions existed that would affect the measured water level.				
1949-05-24	20.47				
	Note: Other conditions existed that would affect the measured water level.				
1949-04-26	17.56				
	Note: Other conditions existed that would affect the measured water level.				
1949-03-28	17.18				
	Note: Other conditions existed that would affect the measured water level.				
1949-02-25	17.75				
	Note: Other conditions existed that would affect the measured water level.				
1949-01-21	18.00				
	Note: Other conditions existed that would affect the measured water level.				
1948-12-22	18.25				
	Note: Other conditions existed that would affect the measured water level.				
1948-10-22	20.74				
	Note: Other conditions existed that would affect the measured water level.				
1948-09-28	19.71				
	Note: Other conditions existed that would affect the measured water level.				
1948-08-30	18.96				
	Note: Other conditions existed that would affect the measured water level.				
1948-08-05	19.87				
	Note: Other conditions existed that would affect the measured water level.				
1948-06-28	19.73				
	Note: Other conditions existed that would affect the measured water level.				
1948-03-29	15.16				
	Note: Other conditions existed that would affect the measured water level.				
1948-02-24	15.83				
	Note: Other conditions existed that would affect the measured water level.				
1948-01-27	16.34				
	Note: Other conditions existed that would affect the measured water level.				
1947-12-26	16.89				
	Note: Other conditions existed that would affect the measured water level.				
1947-12-01	17.08				
	Note: Other conditions existed that would affect the measured water level.				
1947-10-27	16.46				
	Note: Other conditions existed that would affect the measured water level.				
1947-09-26	15.19				
	Note: Other conditions existed that would affect the measured water level.				
1947-08-01	16.24				
	Note: A nearby site that taps the same aquifer was being pumped.				
1947-06-05	13.70				
	Note: Other conditions existed that would affect the measured water level.				
1947-05-01	13.86				
	Note: Other conditions existed that would affect the measured water level.				
1947-04-04	13.98				
	Note: Other conditions existed that would affect the measured water level.				
1947-03-07	14.89				
	Note: Other conditions existed that would affect the measured water level.				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1947-02-04	17.57				
	Note: A nearby site that taps the same aquifer was being pumped.				
1946-12-30	19.42				
	Note: Other conditions existed that would affect the measured water level.				
1946-09-06	22.73				
	Note: Other conditions existed that would affect the measured water level.				
1946-07-05	22.50				
	Note: Other conditions existed that would affect the measured water level.				
1946-05-06	16.43				
	Note: A nearby site that taps the same aquifer was being pumped.				
1946-03-01	14.47				
	Note: Other conditions existed that would affect the measured water level.				
1946-02-05	14.52				
	Note: Other conditions existed that would affect the measured water level.				
1945-12-04	16.94				
	Note: Other conditions existed that would affect the measured water level.				
1945-11-05	18.27				
	Note: Other conditions existed that would affect the measured water level.				
1945-10-02	18.77				
	Note: Other conditions existed that would affect the measured water level.				
1945-09-07	15.09				
	Note: Other conditions existed that would affect the measured water level.				
1945-08-07	16.42				
	Note: Other conditions existed that would affect the measured water level.				
1945-07-10	21.22				
	Note: Other conditions existed that would affect the measured water level.				
1945-06-07	14.01				
	Note: Other conditions existed that would affect the measured water level.				
1945-04-30	11.56				
	Note: Other conditions existed that would affect the measured water level.				
1945-03-08	11.58				
	Note: Other conditions existed that would affect the measured water level.				
1945-02-05	13.05				
	Note: Other conditions existed that would affect the measured water level.				
1944-12-31	14.55				
	Note: Other conditions existed that would affect the measured water level.				
1944-11-27	13.96				
	Note: Other conditions existed that would affect the measured water level.				
1944-10-30	15.18				
	Note: Other conditions existed that would affect the measured water level.				
1944-09-25	18.92				
	Note: Other conditions existed that would affect the measured water level.				
1944-08-28	14.73				
	Note: Other conditions existed that would affect the measured water level.				
1944-08-01	13.26				
	Note: Other conditions existed that would affect the measured water level.				
1944-07-03	11.28				
	Note: Other conditions existed that would affect the measured water level.				
1944-06-03	10.52				
	Note: Other conditions existed that would affect the measured water level.				
1944-05-02	10.12				
	Note: Other conditions existed that would affect the measured water level.				
1944-04-07	9.89				
	Note: Other conditions existed that would affect the measured water level.				
1944-03-01	10.03				
	Note: Other conditions existed that would affect the measured water level.				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1944-01-26	13.44				
	Note: Other conditions existed that would affect the measured water level.				
1943-12-29	12.78				
	Note: Other conditions existed that would affect the measured water level.				
1943-12-02	13.51				
	Note: Other conditions existed that would affect the measured water level.				
1943-11-01	13.84				
	Note: Other conditions existed that would affect the measured water level.				
1943-09-27	16.75				
	Note: Other conditions existed that would affect the measured water level.				
1943-08-21	14.04				
	Note: Other conditions existed that would affect the measured water level.				
1943-07-28	12.32				
	Note: Other conditions existed that would affect the measured water level.				
1943-06-23	11.54				
	Note: Other conditions existed that would affect the measured water level.				
1943-05-26	11.37				
	Note: Other conditions existed that would affect the measured water level.				
1943-04-28	9.14				
	Note: Other conditions existed that would affect the measured water level.				
1943-03-31	10.42				
	Note: Other conditions existed that would affect the measured water level.				
1943-02-25	11.43				
	Note: Other conditions existed that would affect the measured water level.				
1943-01-29	13.75				
	Note: Other conditions existed that would affect the measured water level.				
1942-12-30	16.08				
	Note: Other conditions existed that would affect the measured water level.				
1942-12-05	17.49				
	Note: Other conditions existed that would affect the measured water level.				
1942-11-06	19.51				
	Note: Other conditions existed that would affect the measured water level.				
1942-10-09	21.73				
	Note: Other conditions existed that would affect the measured water level.				
1942-09-11	19.48				
	Note: Other conditions existed that would affect the measured water level.				
1942-09-01	34				
	Note: Other conditions existed that would affect the measured water level.				
1942-08-14	20.03				
	Note: Other conditions existed that would affect the measured water level.				
1942-07-17	17.81				
	Note: Other conditions existed that would affect the measured water level.				
1942-06-19	15.82				
	Note: Other conditions existed that would affect the measured water level.				
1942-05-22	16.67				
	Note: Other conditions existed that would affect the measured water level.				
1942-04-24	11.44				
	Note: Other conditions existed that would affect the measured water level.				
1942-03-23	11.88				
	Note: Other conditions existed that would affect the measured water level.				
1942-02-23	10.85				
	Note: Other conditions existed that would affect the measured water level.				
1942-01-17	12.48				
	Note: Other conditions existed that would affect the measured water level.				
1942-01-05	12.29				
	Note: Other conditions existed that would affect the measured water level.				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1941-09-29	18.65				
Note: Other conditions existed that would affect the measured water level.					
1941-09-01	19.00				

92
ENE
1/2 - 1 Mile
Lower

FED USGS USGS40000144622

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342624119500601		
Monloc name:	004N028W08L001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4399959
Longitude:	-119.8359724	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	28.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19460101	Welldepth:	300
Welldepth units:	ft	Wellholedepth:	315
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1956-04-16	58.00				
Note: Other conditions existed that would affect the measured water level.					
1955-04-08	60.90				
Note: Other conditions existed that would affect the measured water level.					

93
WNW
1/2 - 1 Mile
Higher

CA WELLS 4729

Water System Information:

Prime Station Code:	04N/29W-13B05 S	User ID:	TAP
FRDS Number:	4210004011	County:	Santa Barbara
District Number:	06	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	342633.5 1195153.2	Precision:	1,000 Feet (10 Seconds)
Source Name:	COROMAR 02 - INACTIVE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Number: 4210004
 System Name: GOLETA WATER DISRICT
 Organization That Operates System:
 4699 HOLLISTER AVE.
 GOLETA, CA 93116
 Pop Served: 74000
 Area Served: GOLETA
 Connections: 13983

Z94
West
1/2 - 1 Mile
Higher
CA WELLS 4730

Water System Information:

Prime Station Code:	04N/29W-13G07 S	User ID:	42C
FRDS Number:	4200673001	County:	Santa Barbara
District Number:	72	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	342600.0 1195200.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 02		
System Number:	4200673		
System Name:	FINEAR COMMEERCIAL PROJECT		
Organization That Operates System:	P.O.BOX 11		
	GOLETA, CA 93116		
Pop Served:	200	Connections:	2
Area Served:	Not Reported		

Z95
West
1/2 - 1 Mile
Higher
CA WELLS 4731

Water System Information:

Prime Station Code:	04N/29W-13G08 S	User ID:	42C
FRDS Number:	4200658001	County:	Santa Barbara
District Number:	72	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	342600.0 1195200.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 02		
System Number:	4200658		
System Name:	SANTA BARBARA RESEARCH CENTER		
Organization That Operates System:	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		

AA96
South
1/2 - 1 Mile
Lower
FED USGS USGS40000143887

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342519119510301		
Monloc name:	004N028W18Q001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4219404
Longitude:	-119.8518053	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	4.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Altimeter		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	12
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 8

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1942-05-22	4.12		1942-04-24	4.14	
1942-03-23	4.19		1942-02-23	4.18	
1942-01-17	4.21		1942-01-05	3.44	
1941-09-29	4.48		1941-09-01	4.00	

AA97
South
1/2 - 1 Mile
Lower

FED USGS USGS40000143888

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342519119510302		
Monloc name:	004N028W18Q002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4219404
Longitude:	-119.8518053	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	4.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Altimeter		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 8

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1942-12-05	0.78		1942-11-06	1.06	
1942-10-09	3.44		1942-09-11	4.85	
1942-08-14	4.77		1942-07-17	2.63	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1942-06-19	2.53		1942-06-01	3.00	

AB98
ENE
1/2 - 1 Mile
Lower

CA WELLS CADW50000006117

Latitude :	34.438601	
Longitude :	119.83514	
Site code:	344386N1198361W002	Casgem sta: 04N28W08P006S
Local well:	4N/28W-8P6	Casgem s 1: Observation
County id:	42	
Basin cd:	3-16	Basin desc: Goleta
Org unit n:	Southern Region Office	Site id: CADW50000006117

AB99
ENE
1/2 - 1 Mile
Lower

CA WELLS CADW50000006118

Latitude :	34.438607	
Longitude :	119.83514	
Site code:	344386N1198361W001	Casgem sta: 04N28W08P004S
Local well:	4N/28W-8P4	Casgem s 1: Observation
County id:	42	
Basin cd:	3-16	Basin desc: Goleta
Org unit n:	Southern Region Office	Site id: CADW50000006118

AB100
ENE
1/2 - 1 Mile
Lower

FED USGS USGS40000144564

Org. Identifier:	USGS-CA	
Formal name:	USGS California Water Science Center	
Monloc Identifier:	USGS-342619119500302	
Monloc name:	004N028W08P006S	
Monloc type:	Well	
Monloc desc:	Not Reported	
Huc code:	18060013	Drainagearea value: Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea: Not Reported
Contrib drainagearea units:	Not Reported	Latitude: 34.4386071
Longitude:	-119.835139	Sourcemap scale: 24000
Horiz Acc measure:	1	Horiz Acc measure units: seconds
Horiz Collection method:	Interpolated from map	
Horiz coord refsys:	NAD83	Vert measure val: 21.09
Vert measure units:	feet	Vertacc measure val: .1
Vert accmeasure units:	feet	
Vertcollection method:	Global Positioning System	
Vert coord refsys:	NAVD88	Countrycode: US
Aquifername:	California Coastal Basin aquifers	
Formation type:	Not Reported	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type: Not Reported
 Construction date: 19780422
 Welldepth units: ft
 Wellholeddepth units: ft
 Welldepth: 610
 Wellholeddepth: 1080

Ground-water levels, Number of Measurements: 53

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-12-13	47.60		2004-06-23	47.60	
2003-12-16	47.60		2003-06-11	47.89	
2002-12-19	47.57		2002-06-18	47.60	
2001-12-12	47.58		2001-06-19	47.61	
2000-12-12	48.10		2000-06-28	48.05	
1999-12-21	48.04		1999-06-16	48.08	
1998-12-15	48.07		1998-06-30	48.10	
1997-12-09	48.11		1997-06-24	48.11	
1996-12-18	49.81		1996-06-25	48.13	
1995-12-14	48.12		1994-12-13	67.15	
1994-06-30	49.50		1993-12-21	49.50	
1993-06-17	49.16		1993-03-17	49.50	
1993-01-21	49.72		1992-09-22	59.13	
1992-05-27	49.05		1992-03-31	49.16	
1992-01-23	49.15		1991-10-28	49.15	
1991-04-19	49.75		1991-02-03	49.80	
1990-10-02	50.83		1990-05-11	49.75	
1990-03-14	49.76		1989-11-10	49.86	
1989-08-09	49.88		1989-05-11	50.18	
1986-12-02	49.96		1985-05-31	50.22	
1984-09-10	11.17		1984-06-01	10.03	
1984-04-02	4.17		1984-02-02	2.43	
1983-12-01	3.02		1983-09-30	3.78	
1983-08-01	2.69		1983-07-06	2.17	
1983-06-03	3.22		1983-05-19	0.10	
1983-04-29	1.09		1983-04-04	1.82	
1983-03-24	2.36				

AB101
ENE
1/2 - 1 Mile
Lower

FED USGS USGS40000144563

Org. Identifier: USGS-CA
 Formal name: USGS California Water Science Center
 Monloc Identifier: USGS-342619119500301
 Monloc name: 004N028W08P004S
 Monloc type: Well
 Monloc desc: Not Reported
 Huc code: 18060013
 Drainagearea Units: Not Reported
 Contrib drainagearea units: Not Reported
 Longitude: -119.835139
 Horiz Acc measure: 1
 Horiz Collection method: Interpolated from map
 Horiz coord refsys: NAD83
 Vert measure units: feet
 Vert accmeasure units: feet
 Vertcollection method: Global Positioning System
 Vert coord refsys: NAVD88
 Aquifername: California Coastal Basin aquifers
 Formation type: Not Reported
 Drainagearea value: Not Reported
 Contrib drainagearea: Not Reported
 Latitude: 34.4386071
 Sourcemap scale: 24000
 Horiz Acc measure units: seconds
 Vert measure val: 21.09
 Vertacc measure val: .1
 Countrycode: US

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type: Not Reported
 Construction date: 19780422
 Welldepth units: ft
 Wellholeddepth units: ft
 Welldepth: 610
 Wellholeddepth: 1080

Ground-water levels, Number of Measurements: 56

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-12-13	4.91		2004-06-23	5.41	
2003-06-11	6.54		2003-06-11	7.09	
2002-12-19	10.98		2002-06-18	11.49	
2001-12-12	13.25		2001-06-19	16.07	
2000-12-12	20.76		2000-06-28	23.14	
1999-12-21	26.37		1999-06-16	29.02	
1998-12-15	29.87		1998-06-30	34.42	
1997-12-09	45.33		1997-06-24	47.09	
1996-12-18	48.11		1996-06-25	51.79	
1995-12-14	55.17		1995-06-14	57.29	
1994-12-13	64.69		1994-06-12	66.63	
1993-12-21	68.70		1993-06-17	69.45	
1993-03-17	70.68		1993-01-21	70.58	
1992-09-22	78.13		1992-05-27	77.50	
1992-03-31	78.64		1992-01-23	80.13	
1991-10-28	81.50		1991-04-19	85.70	
1991-02-03	84.63		1990-10-02	107.15	
1990-05-11	78.14		1990-03-14	78.76	
1990-01-03	81.21		1989-11-10	83.44	
1989-08-09	105.08		1989-05-11	84.14	
1986-12-02	85.00				
Note: A nearby site that taps the same aquifer was being pumped.					
1985-05-31	24.00		1984-09-10	14.50	
1984-06-01	6.95		1984-04-02	5.97	
1984-02-02	2.77		1983-12-01	2.71	
1983-09-30	4.83		1983-08-01	3.96	
1983-07-06	3.49		1983-06-03	4.45	
1983-05-16	1.93		1983-04-29	1.58	
1983-04-04	2.44		1983-03-24	3.00	
1983-03-02	3.57				

Y102
East
1/2 - 1 Mile
Lower

FED USGS USGS40000144282

Org. Identifier: USGS-CA
 Formal name: USGS California Water Science Center
 Monloc Identifier: USGS-342601119500201
 Monloc name: 004N028W17B001S
 Monloc type: Well
 Monloc desc: Not Reported
 Huc code: 18060013
 Drainagearea Units: Not Reported
 Contrib drainagearea units: Not Reported
 Longitude: -119.834861
 Drainagearea value: Not Reported
 Contrib drainagearea: Not Reported
 Latitude: 34.4336072
 Sourcemap scale: 24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	18.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Altimeter		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	9
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
-----	-----	-----	-----	-----	-----
1941-09-26	5.67		1941-09-01	6.00	

AC103
WSW
1/2 - 1 Mile
Higher

FED USGS

USGS40000144101

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342546119515701		
Monloc name:	004N029W13G005S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4294399
Longitude:	-119.8668056	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	41.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19460101	Welldepth:	202
Welldepth units:	ft	Wellholedepth:	202
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
-----	-----	-----	-----	-----	-----
1956-04-10	54.62		1955-04-07	59.79	
1946-12-01	70				

Note: Other conditions existed that would affect the measured water level.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

AC104
WSW
1/2 - 1 Mile
Higher

FED USGS USGS40000144120

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342548119515901		
Monloc name:	004N029W13G004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4299954
Longitude:	-119.8673612	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	43.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	200
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1948-07-29	74.96		1948-07-01	75.00	

AD105
ENE
1/2 - 1 Mile
Higher

FED USGS USGS40000144777

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342633119500701		
Monloc name:	004N028W08L002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18060013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4424959
Longitude:	-119.8362502	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	40.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type: Not Reported
 Construction date: 19460101 Welldepth: 152
 Welldepth units: ft Wellholedepth: 152
 Wellholedepth units: ft

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
------	-----------------------	---------------------	------	-----------------------	---------------------

 1956-04-16 68.29

Note: Other conditions existed that would affect the measured water level.

1955-04-08 71.33

Note: Other conditions existed that would affect the measured water level.

**AD106
 ENE
 1/2 - 1 Mile
 Higher**

FED USGS USGS40000144778

Org. Identifier:	USGS-CA				
Formal name:	USGS California Water Science Center				
Monloc Identifier:	USGS-342633119500702				
Monloc name:	004N028W08L003S				
Monloc type:	Well				
Monloc desc:	Not Reported				
Huc code:	18060013		Drainagearea value:	Not Reported	
Drainagearea Units:	Not Reported		Contrib drainagearea:	Not Reported	
Contrib drainagearea units:	Not Reported		Latitude:	34.4424959	
Longitude:	-119.8362502		Sourcemap scale:	24000	
Horiz Acc measure:	1		Horiz Acc measure units:	minutes	
Horiz Collection method:	Interpolated from map				
Horiz coord refsys:	NAD83		Vert measure val:	46.00	
Vert measure units:	feet		Vertacc measure val:	10	
Vert accmeasure units:	feet				
Vertcollection method:	Interpolated from topographic map				
Vert coord refsys:	NGVD29		Countrycode:	US	
Aquifername:	California Coastal Basin aquifers				
Formation type:	Not Reported				
Aquifer type:	Not Reported				
Construction date:	Not Reported		Welldepth:	Not Reported	
Welldepth units:	Not Reported		Wellholedepth:	Not Reported	
Wellholedepth units:	Not Reported				

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
------	-----------------------	---------------------

 1955-04-08 59.88

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1

WNW
1/8 - 1/4 Mile

OIL_GAS CAOG9A000045194

Districtnu:	3	Apinumber:	08304013
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Oryx Energy Company		
Countyname:	Santa Barbara	Fieldname:	Any Field
Areaname:	Any Area		
Section:	7		
Township:	04N	Range:	28W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.437094		
Glong:	-119.854221		
Gissourcec:	HUD		
Comments:	Not Reported		
Leasename:	Bishop	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	POG	Site id:	CAOG9A000045194

2

ESE
1/8 - 1/4 Mile

OIL_GAS CAOG9A000045002

Districtnu:	3	Apinumber:	08303976
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Amerada Hess Corp.		
Countyname:	Santa Barbara	Fieldname:	Any Field
Areaname:	Any Area		
Section:	18		
Township:	04N	Range:	28W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.434992		
Glong:	-119.848383		
Gissourcec:	HUD		
Comments:	Not Reported		
Leasename:	Perry	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	POG	Site id:	CAOG9A000045002

3

North
1/2 - 1 Mile

OIL_GAS CAOG9A000045491

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Districtnu:	3	Apinumber:	08304015
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Oryx Energy Company		
Countyname:	Santa Barbara	Fieldname:	Any Field
Areaname:	Any Area		
Section:	7		
Township:	04N	Range:	28W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.444702		
Glong:	-119.852707		
Gissourcec:	HUD		
Comments:	Not Reported		
Leasename:	Stow	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	POG	Site id:	CAOG9A000045491

**4
NW
1/2 - 1 Mile**

OIL_GAS CAOG9A000045408

Districtnu:	3	Apinumber:	08304012
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	So Cal Drilling Co.		
Countyname:	Santa Barbara	Fieldname:	Any Field
Areaname:	Any Area		
Section:	7		
Township:	04N	Range:	28W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.442068		
Glong:	-119.859777		
Gissourcec:	HUD		
Comments:	Not Reported		
Leasename:	Bishop	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	POG	Site id:	CAOG9A000045408

**A5
WSW
1/2 - 1 Mile**

OIL_GAS CAOG9A000044667

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Districtnu:	3	Apinumber:	08304017
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Santa Barbara	Fieldname:	Any Field
Areaname:	Any Area		
Section:	13		
Township:	04N	Range:	29W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.43208		
Glong:	-119.866042		
Gissourcec:	HUD		
Comments:	Not Reported		
Leasename:	Bishop	Wellnumber:	A-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	POG	Site id:	CAOG9A000044667

**A6
WSW
1/2 - 1 Mile**

OIL_GAS CAOG9A000044780

Districtnu:	3	Apinumber:	08304019
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.		
Countyname:	Santa Barbara	Fieldname:	Any Field
Areaname:	Any Area		
Section:	13		
Township:	04N	Range:	29W
Basemeridi:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Glat:	34.43301		
Glong:	-119.866443		
Gissourcec:	HUD		
Comments:	Not Reported		
Leasename:	Bishop	Wellnumber:	A-3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	Not Reported	Redrillfoo:	Not Reported
Abandonedd:	//	Completion:	//
Gissymbol:	POG	Site id:	CAOG9A000044780

**7
West
1/2 - 1 Mile**

OIL_GAS CAOG9A000044978

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Districtnu:	3	Apinumber:	08304018
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	N	Wellstatus:	P
Operatorna:	Chevron U.S.A. Inc.	Fieldname:	Any Field
Countyname:	Santa Barbara	Range:	29W
Areaname:	Any Area	Elevation:	Not Reported
Section:	13		
Township:	04N	Wellnumber:	A-2
Basemeridi:	SB	Hydraulica:	N
Locationde:	Not Reported	Spuddate:	30-DEC-99
Glat:	34.434775	Redrillfoo:	Not Reported
Glong:	-119.866984	Completion:	//
Gissourcec:	HUD	Site id:	CAOG9A000044978
Comments:	Not Reported		
Leasename:	Bishop		
Epawell:	N		
Confidenti:	N		
Welldeptha:	Not Reported		
Abandonedd:	//		
Gissymbol:	POG		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
93117	312	48

Federal EPA Radon Zone for SANTA BARBARA County: 1

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 93117

Number of sites tested: 13

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.915 pCi/L	85%	15%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.800 pCi/L	100%	0%	0%

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 2003 & 2011 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, 2005 and 2010 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

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

Oil and Gas well locations in the state.

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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.

STREET AND ADDRESS INFORMATION

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